



April 21, 2022





1. Call to order



## 2. Roll call



### 3. Approval of minutes

Region 3 Trinity Flood Planning Group Hybrid Meeting  
Thursday, February 17, 2022  
10:00 a.m.  
North Central Texas Council of Governments  
William Pitstick Conference Room, First Floor of Centerpoint II  
616 Six Flags Drive  
Arlington, TX 76011

The Region 3 Trinity Flood Planning Group held a meeting, in person as well as virtual, on Thursday, February 17, 2022, at 10:00 AM. Acting Chairman Glenn Clingenpeel called the meeting to order at 10:06 AM.

Voting Members Present:

Melissa Bookhout  
Lissa Shepard  
Sano Blocker  
Jordan Macha (joined after meeting convened)  
Rachel Ickert  
Matt Robinson  
Sarah Standifer (joined after meeting convened)  
Andrew Isbell (absent)  
Glenn Clingenpeel  
Chad Ballard  
Galen Roberts for Mike Rickman  
Scott Harris

9 voting members were present at the time of roll call, constituting a quorum.

Ex Officio Members Present:

Adam Whisenant (absent)  
Rob Barthen (absent)  
Andrea Sanders  
Steve Bednarz  
Brooke Bacuetes (absent - resigned from GLO)  
Richard Bagans  
Humberto (Bert) Galvan  
Greg Waller  
Ellen Buchanan (absent)  
Todd Burrer (absent)  
Jerry Cotter  
Lisa McCracken  
Diane Howe  
Edith Marvin (joined after roll call)  
Justin Bower  
Lonnie Hunt (absent)

### Approval of the Minutes of the Last Meeting

Motion: Rachel Ickert moved to approve the minutes as presented;  
Second: Lissa Shepard; Action: Minutes were unanimously approved.

### Acknowledgement of written public comments received

No written public comments were received.

### Receive registered public comments on specific agenda items

No registered public comments were received.

### TWDB Update

Richard Bagans with TWDB gave an update on a few changes since the last meeting.

In January 2022, Halff Associates submitted the Technical Memorandum Addendum to TWDB and it has been declared administratively complete. TRA and Halff Associates were sent notices to proceed with Task 5 which allows the RFPG to start recommending FMEs, FMPs, and FMSs. Technical Memorandum Addendum is going under internal review for more content and substantial comments and then will be returned to consultants and RFPG in late April. The comments will be informal and suggestions will include how to make the plan better for submission of draft plan in July or August. Deliverables were given an extension to March 7<sup>th</sup> and will be voted on today to approve to submit to TWDB. Contract amendments with additional funding were held up at TWDB with contracts and legal team, but the contract amendment with TRA is in DocuSign and awaiting a few more signatures before it is executed. The RFPG chair's meeting is Wednesday, March 2<sup>nd</sup>.

### Officer Elections

Glenn Clingenpeel with TRA gave an update on Region 3 Trinity RFPG Bylaws adopted on October 27<sup>th</sup>, 2020.

Article VIII. Section 2 (b) Regular officers shall be selected biannually, at the first meeting of second year after the calendar year in which these bylaws were adopted. Written notice of the meeting to select officers shall be sent to all members of the Region 3 Trinity RFPG by the current Secretary thirty calendar days prior to the meeting. Nominations shall be made from the floor by voting members. The voting members shall select

officers from among the nominees by consensus, but not less than agreement of 2/3rds of the voting members present.

It was acknowledged that thirty days were not provided to nominate officers. A poll was sent out prior to the meeting to determine if voting members were still in favor of electing officers today or if they would like to postpone until the April 2022 meeting. Majority favored moving forward with elections despite the lack of notice. The question was posed again during the meeting with unanimous consensus to move forward with the election. Mr. Clingenpeel stated that the current officers were Glenn Clingenpeel as Chair, Sarah Standifer as Vice-Chair, Scott Harris as Secretary, and Andrew Isbell and Lissa Shepard as representatives at large. All current officers were asked if they are willing to continue serving in this capacity and present indicated that they were willing. There was a call for other nominations, and none were brought forward.

Motion: Matt Robinson moved to reelect the current slate of officers;  
Second: Galen Roberts; Action: Motion approved unanimously

Update from Region 3 Technical Consultant – Stephanie Griffin with Halff Associates

a. Chapter 2 Flood Risk Analyses – Sam Amoako-Atta with Halff Associates

I. Update on potential future flood risk conditions:

Task 2B - Future Flood Hazard determination methodology was accepted by TWDB on January 21, 2022. The methodology consisted of using existing 500 yr. flood hazard risk as future 100 yr. flood hazard risk and a horizontal delta buffer (about 40 ft) for the future 500 yr. flood hazard risk. The methodology also proposed zones of risk rather than hard lines, with minimum potential and maximum flood zones. Supporting data sources were presented. Currently, data is missing from the upper Trinity and the lower West Fork. The upper Trinity BLE is still in progress.

A public web map was created to generate public comments from communities and individuals on the current floodplain quilt that approximates the extent of existing flood risk in the Trinity Region. A demonstration of the public web map was provided with the map set to go live the week following the meeting.

Data gaps have been determined throughout data collection. They have found areas where modeling and mapping are absent or outdated and have been adding this data as part of the Task 2B submittal to TWDB.

II. Exposure and vulnerability assessment draft results:

The consultant team ran an overlay of existing flood exposure in communities and were able to produce a count of buildings, critical facilities, low water crossings, cropland, and livestock exposed to future flooding. After looking at existing flood exposures in communities, communities SVI were mapped to determine their risk of flood exposure and social readiness to respond to these flooding events. Countywide risk averages were then reported. The SVI information was provided from the 2018 CDC data set. The CDC data is not currently complete in some counties, in which case FEMA data will be used to determine social readiness. Fathom data will be used to leverage agricultural flood exposure areas where the 2017 USDA data set is not complete.

Draft maps that will be included in the Technical Memorandum Addendum to be submitted to TWDB in March were presented.

b. Chapter 4 Flood Mitigation Needs and Potentially Feasible Solutions

I. Definition of “Emergency Needs” - Laura Haverlah with H2O Partners:

Metrics and supporting data to determine “Emergency Need” were presented. Data came from NOAA, FEMA’s map service center, National Flood Insurance Claim Data, Trinity Region 3 communities, TWDB, Homeland infrastructure foundation level data, TXDOT, and the NOAA National Center for Environmental Information.

Examples of “Emergency Need” were presented

- i. A significant factor in determining emergency needs among the FMEs was the lack of recent countywide data. Counties with older, smaller scale flood data were indicated as emergency need for that purpose. One FME example is in Trinity County. The city of Grovetown and the city of Trinity have not had floodplain mapping completed since 1985 and 1987. Paper maps from the 1980s are still being used.
- ii. Among FMPs, projects that are within areas that have had significant repetitive loss through NFIP claims were listed as emergency need as they indicate areas with the potential to be problematic soon. One FMP example is within the city of Arlington for potential drainage improvement projects. They had 216 flood claims through NFIP within the area. Drainage improvement projects are proposed in this area that could be designated as emergency need FMPs.
- iii. Similarly, FMSs were designated as emergency need when the areas of the strategies were indicated as costly as well as highly probable to have a flood claim in the future. This example shows the number of critical facilities within a flood prone area. This area had \$90 million in property losses due to flood events. The strategies would be to acquire flood prone properties as well as relocate structures out of the floodplain.

There was considerable discussion on the definition of “Emergency Need” and significant repetitive loss. The group was informed that the TWDB does not provide a definition of “Emergency Need.” The group requested that the definition be revisited during a future meeting, and that an explanation regarding the process involved in determining what constituted an “emergency need” be discussed.

II. Review Task 4C Technical Memorandum Addendum – Stephanie Griffin with Halff Associates:

The Technical Memorandum Addendum was submitted to TWDB on January 6<sup>th</sup>. TWDB notified RFPG that the Technical Memorandum Addendum was considered administratively complete and they have permission to begin Task 5. TWDB will provide informal comments for consideration in the draft plan. It was noted that the data will continue to be refined.

III. Consider approval of Technical Memorandum Addendum to be submitted to TWDB by March 7, 2022, with understanding that attachments are being updated as appropriate– Stephanie Griffin with Halff Associates:

Glenn Clingenpeel called for a motion to approve the Technical Memorandum.

Motion: Scott Harris made a motion to approve the Technical Memorandum Addendum to be submitted to TWDB by March 7, 2022, with the understanding that attachments are being updated as appropriate; Second: Rachel Ickert; Action: Motion passed unanimously.

IV. Task 4B Full Analysis Components - Dr. David Rivera with Halff Associates:

Under Task 4B, potential actions and solutions have been identified and are now candidates to look at in more detail and potentially be provided as recommendations in Task 5. In the Geodatabase, tables and associated polygons are provided to show how the FMEs, FMPs, FMSs, and associated actions will look spatially. Currently, planning level cost estimates are needed, and templates are being developed to estimate costs. Templates are being developed based on four or five typical FMEs seen throughout the Trinity Region. These calculations will end up being sent to potential sponsors so they will have an idea of expected costs of these actions. Planning level costs will be brought up to a 2020 cost analysis consistent with TWDB Technical Guidelines for Regional Flood Planning Exhibit C, Section 3.7 *“Estimated costs of FMSs, FMPs and FMEs in the plan.”*

The Region 3 RFPG Technical Subcommittee is currently determining a process to identify no negative impacts for FMPs. This is a critical item to deem FMP eligibility. The RFPG will need to certify that these projects show no negative impact based on Supporting Engineering Reports.

There was considerable discussion regarding the certification of no negative impact. It was noted that communities define no negative impact based on their rating under the NFIP program. TWDB Richard Bagans will bring this concern to management for further clarification. TWDB provides technical guidelines for the RFPG to define no negative impact in Exhibit C, Section 3.6 of Technical Guidelines for Regional Flood Planning. TWDB does recognize different definitions and provides guidance to adjust for differences. Concern was raised regarding the RFPG taking responsibility to certify Supporting Engineering Reports identification of no negative impact. It was proposed that when certifying the FMPs as no negative impact that the RFPG include a process that highlights what no negative impact means for FMPs by including the source and supporting documentation that identifies no negative impact.

FMPs require a Benefit-Cost Analysis. TWDB benefit BCR input interface and analysis tool works alongside FEMA's BCA Toolkit 6.0. Half Associates is working to understand this tool and the benefit-cost analysis. Justification will need to be provided if the benefit-cost analysis is 1 or less than 1. Sarah Standifer recommended that this item be put on an administrative or legislative initiative. It was also asked if TWDB is working with TDEM on recent submittal processes due to difficulties and challenges for communities that may have limited resources or financial capabilities to complete the forms. TWDB is working with TDEM on data storage and centralization of flood data, but in terms of the BCR tool, TWDB worked with a consultant who produced the BCR tool and it should work alongside the FEMA BCA toolkit. However, TWDB will follow up with management to determine if it is comparable with TDEM.

Adjourn for 10 minutes – 11: 50 am to 12:00 pm.

- c. Overview and approach to Chapter 5 Recommendation of FMEs, FMSs, and FMPs - Dr. David Rivera with Halff Associates:

The following information was presented to the Region 3 RFPG Technical Subcommittee in greater detail and can be found in the associated minutes. Two different strategies were presented to recommend FMEs and FMPs. Sponsors will need to be identified for every FME, FMP and FMS recommended.

- I. Process for Recommending FMEs: FMEs will be further refined by looking at all goals and making sure they connect to each action that the planning group selected. The RFPG will decide whether FMEs have the potential to be promoted to an FMP. If so, that

action would be performed during this planning cycle as part of Task 12.

- II. Process for Recommending FMPs: FMPs will be further refined by looking at all goals and making sure they connect to each action the planning group selected. The identification of unfeasible FMPs and demotion to FMEs will also be included in this process.
- III. The recommendation process for FMSs is similar to FMPs.

The next Technical Subcommittee meeting will be March 15<sup>th</sup>. The goal is to complete Task 5 by mid-May. This is an iterative process and additional recommendations can be made through an addendum process. It was noted that to receive funding FMEs, FMPs and FMSs need to be included in the plan. It was recommended that an expedited process be developed to recommend FMEs, FMPs, FMSs. It was recommended that there be an option to amend the regional flood planning document in the future. TWDB does expect an amendment process to be included, but the process is currently being refined.

d. Overview and approach to Chapter 6 Impacts of Regional Flood Plan - Dr. David Rivera with Halff Associates:

- I. Task 6A - Impacts of Regional Flood Plan: This task determines the relative reduction in flood risk that implementation of the plan would achieve within the region in regard to life, injuries, and property. The potential positive and negative socioeconomic or recreational impacts of the recommended FMSs and FMPs will be identified as well as the overall impacts on the environment, agriculture, recreational resources, water quality, erosion, sedimentation, and navigation.
- II. Task 6B – Contributions/Impacts on State Water Plan: This task determines if any FMP or FMS recommendations create a positive or negative impact to water supply and water availability. The consultant team will analyze impacts of the regional flood plan on the regional water plan.

e. Overview and approach to Chapter 7 Flood Response Information and Activities - Laura Haverlah with H2O Partners:

Four phases of emergency management were identified. This chapter's intention is to identify the current capabilities of entities within the region to respond to and recover from a flood event. Entities taken into consideration were identified. A survey was distributed throughout the region to identify the entities that respond to flood events, the plans they use when mitigation action is needed, and the mitigation actions taken or planned. Most responses identified the use of social media and public-facing websites, as well as barricades and gate closures, as mitigation actions taken or planned. This chapter will (1) detail the roles and responsibilities of the various involved entities, (2) reference the plans, ordinances, and relevant documents for flood

planning, damage prevention, and mitigation, and (3) look at capabilities and actions for flood prevention, response, recovery, and mitigation.

- f. Discussion on Chapter 8 Administrative, Regulatory and Legislative Recommendations - Stephanie Griffin with Halff Associates:

This is a standing agenda item to discuss potential recommendations for administrative, regulatory, legislative, or other topics and all recommendations will be included in Draft Chapter 8. The current list was presented in a memo to the packet. Recently added items include simplifying the grant application processes and including A/V equipment rental as an eligible expense for reimbursement through the RFPG grant. Additional items to be added include a simplified or expedited amendment process for FME, FMP, FMS recommendation. It was recommended that there be a specific reminder to review the memo within the agenda and meeting materials prior to the meeting.

- g. Chapter 10 Public Outreach Updates – Colby Walton, Cooksey Communications

Future Hybrid Public Meetings should be scheduled as far in advance as possible to find and secure reliable venues. Currently, April 21<sup>st</sup> is scheduled to be hosted by Dallas, June TBD, July TBD, and September TBD.

There are technical requirements that are needed for Hybrid meetings. They are currently soliciting input from any city, county, COG, or similar entity that have a facility that meets these requirements and can be used in the mid-and/or lower basin. It was recommended that 2 or 3 venues be secured and used on a rotating basis. Edith Marvin can help with connections to other COGs. The desire of the group is to continue with the hybrid option.

The inaugural RFPG E-newsletter went out to over 900 regional stakeholders. The Trinity RFPG website was judged by the Association of Marketing and Communication Professionals and received a gold award from the 2022 AVA Digital Awards.

#### Updates from liaisons for adjoining coastal regions

- a. Region 5 Neches RFPG – no member present, no update provided
- b. Region 6 San Jacinto RFPG – no member present, no update provided

#### Updates from Planning Group Sponsor – Glenn Clingenpeel with TRA

TWDB is in the process of finalizing the contract amendment that will add \$756,000 to the work plan. This will add Task 11, 12, 13 and will extend our contract to end of 2023.

#### Review administrative costs requiring certification

The following costs associated with the administrative functions of the group were presented for consideration and approval:

- a. NCTCOG Transportation Council room rental cost incurred on 8/19/21 in an amount of \$262.52.
- b. Navarro College meeting room rental cost incurred on 11/17/2021 in an amount of \$315 with AV set up and operation in an amount of \$400 for a total cost of \$715.

Motion: Rachel Ickert moved to certify the administrative expenses as presented;  
Second: Scott Harris; Action: Motion approved unanimously.

Receive registered public comments – limit 3 minutes per person

Mr. Clingenpeel opened the floor for public comments. No comments were received and the public comment section was closed.

#### Announcements

Stephanie Griffin with Halff Associates announced that TFMA 2022 calendars were available and can be mailed out if requested. Rachel Ickert with TRWD announced that the Central City Flood Control Project in Fort Worth received Federal funding from the USACE in January for \$403 million.

#### Confirm meeting date for next meeting

April 21<sup>st</sup>, 2022, Dallas, TX hosted by Sarah Standifer with the City of Dallas  
June 2<sup>nd</sup>, 2022, location to be determined

#### Consider agenda items for next meeting

Review of Chapter 2 and 4  
Updates on Chapters 5, 6 & 7  
Introduction to Chapters 8, 9, 10, & 11

#### Adjourn

1:15 pm adjourned

THE ABOVE AND FOREGOING ARE CERTIFIED TO BE TRUE AND CORRECT MINUTES OF THE REGULAR MEETING OF THE REGION 3 TRINITY FLOOD PLANNING GROUP HELD FEBRUARY 17, 2022.

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SCOTT HARRIS, Secretary  
REGION 3 TRINITY FLOOD  
PLANNING GROUP

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Date

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GLENN CLINGENPEEL, Chair  
REGION 3 TRINITY FLOOD  
PLANNING GROUP

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Date



## 4. Acknowledgement of written comments received



Written Comment Received March 3, 2022

Submitted via Region 3 Trinity RFPG Website Public Comment Form

**From:** Trinity RFPG <[webmaster@trinityrfpg.org](mailto:webmaster@trinityrfpg.org)>

**Sent:** Thursday, March 3, 2022 6:49 PM

**To:** Trinity RFPG <[info@trinityrfpg.org](mailto:info@trinityrfpg.org)>

**Subject:** Public Comment Submission

Name: Bruce Campbell

Company/Organization: Retired

Address: 188 Old Post RD S, Livingston, TX 77351

Phone Number: 936-566-4571

Email: [BECampbell@Livingston.net](mailto:BECampbell@Livingston.net)

Category Interest: River Authorities


Public Comments Characteristic: General public comments

Comments: I've lived on Lake Livingston for 20 years now. One of my frustrations is the way the TRA operates the Lake Livingston dam especially when the lake level is more than 2 feet about target. I've met with them in the past, commented on Facebook, sent them e-mails, etc. However, I was told directly by them that the operating procedures are designed to help them mimic the flow in the river as if the dam were not there. They are not allowed to make decisions based on flood control objectives.

When the Sabine River flooded several years ago (2016), I remember a reporter asking a representative from the Sabine River Authority about what could be done to prevent this kind of flooding in the future. He basically said the same thing that TRA said to me is their operating procedures did not allow taking into account flood prevention or flood control.

My suggestions on changing dam operating procedures include considering basically two items. First, when the lake level is rising due to local rain or flows from upstream and the lake is 4-5 inches about target levels, start raising the discharge rate at the dam. I've seen TRA wait days before increasing the discharge rate. Second, I have seen times when heavy rain occurred between Livingston and Dallas and heavy flows were already headed south based on USGS data available on line. However, even though there is no way to avoid this water coming into the lake, TRA is not allowed to start raising the discharge rate at the dam even if it drafts the lake say 3-5 inches below the target level.

Maybe a key discussion topic should be what type of flood control actions should TRA be allowed to take.



## 5. Public comments on agenda items



## 6. TWDB update



## 7. Report from Nominating Committee



8. Consider filling Water  
District seat



## 9. Consultant update



## Agenda

- 1.
- 2.
- 3.
- 4.

# CONSULTANT UPDATE

- **Update on Chapter 2 Flood Risk Analysis**
  - Results of interactive webmap existing conditions
  - Feedback on Chapter 2
- **Update on Chapter 4 Potentially Feasible FMEs, FMSs and FMPs**
- **Update on Chapter 5 Recommendation of FMEs, FMSs, and FMPs**
  - Update on Technical Subcommittee activity
  - Technical Subcommittee recommendations
  - Consider approval of recommendations
  - Update on Emergency Needs definition
- **Update on Chapter 7 Flood Response Information and Activities**
- **Update on Chapter 8 Admin, Regulatory and Legislative Recommendations**
- **Overview and Approach to Chapter 9 Flood Infrastructure Financing Analysis**
- **Overview and Approach to Chapter 10 Public Participation and Plan Adoption**
- **Public Outreach Updates**



# Ch. 2 Flood Risk Assessment Update



**To access draft Chapter 2 materials**, which consist of numerous large files stored offsite in SharePoint, please click on the following link and open the Chapter 2 folder: <https://bit.ly/38N1tqr>

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- A background image of a hand held palm up, surrounded by various white line-art icons representing digital concepts like a camera, lightbulb, envelope, question mark, padlock, and clock. The entire image has a light blue overlay.
- **Interactive Webmap Update**
  - **Chapter 2 Feedback**

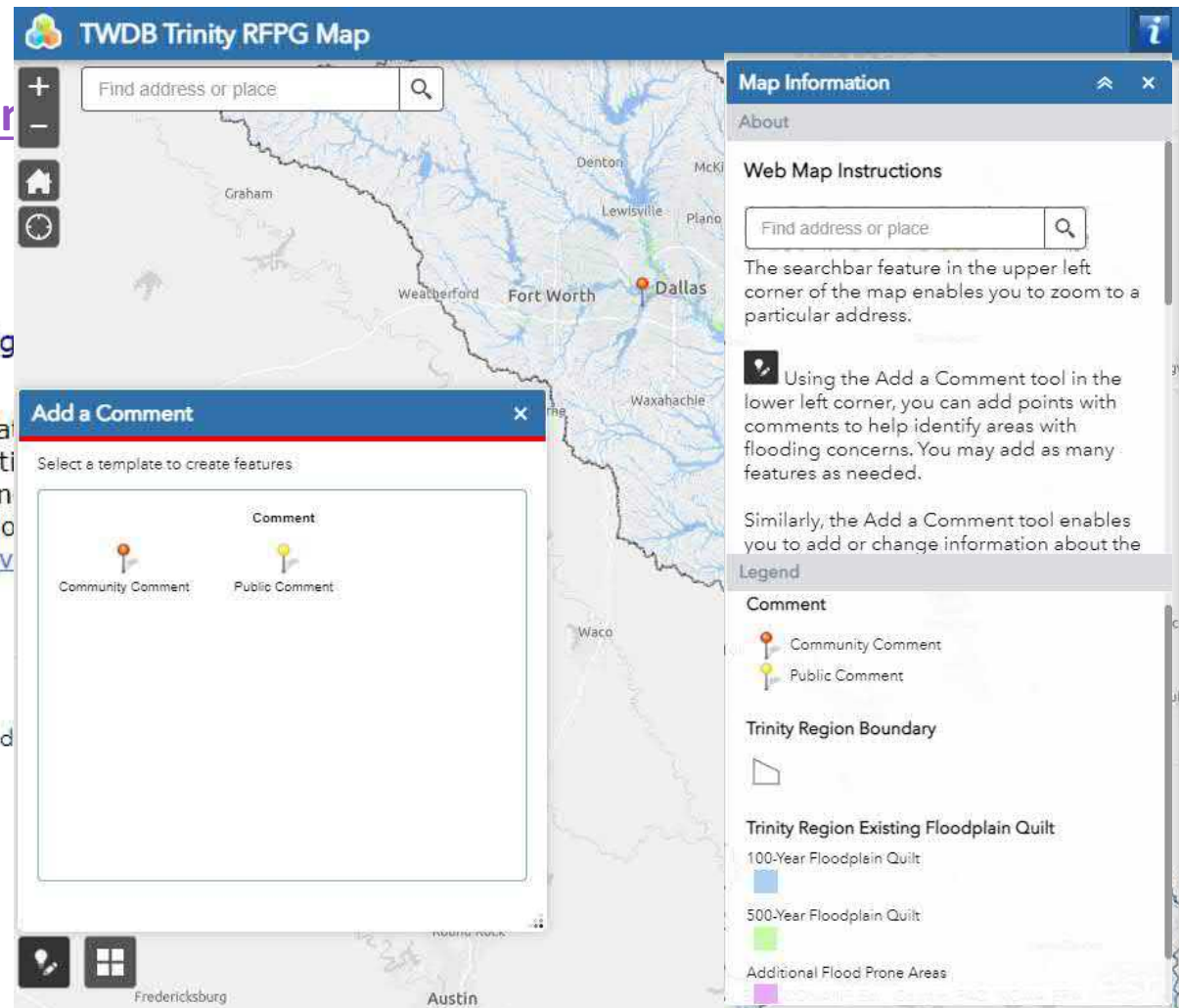
# Public Webmap for Comments

## Comments Webmap Link

### Data Disclaimer/Acknowledg

The floodplain quilt is a compilation for planning purposes only and is not for floodplain maps, contact your local floodplain manager at <https://msc.fema.gov>

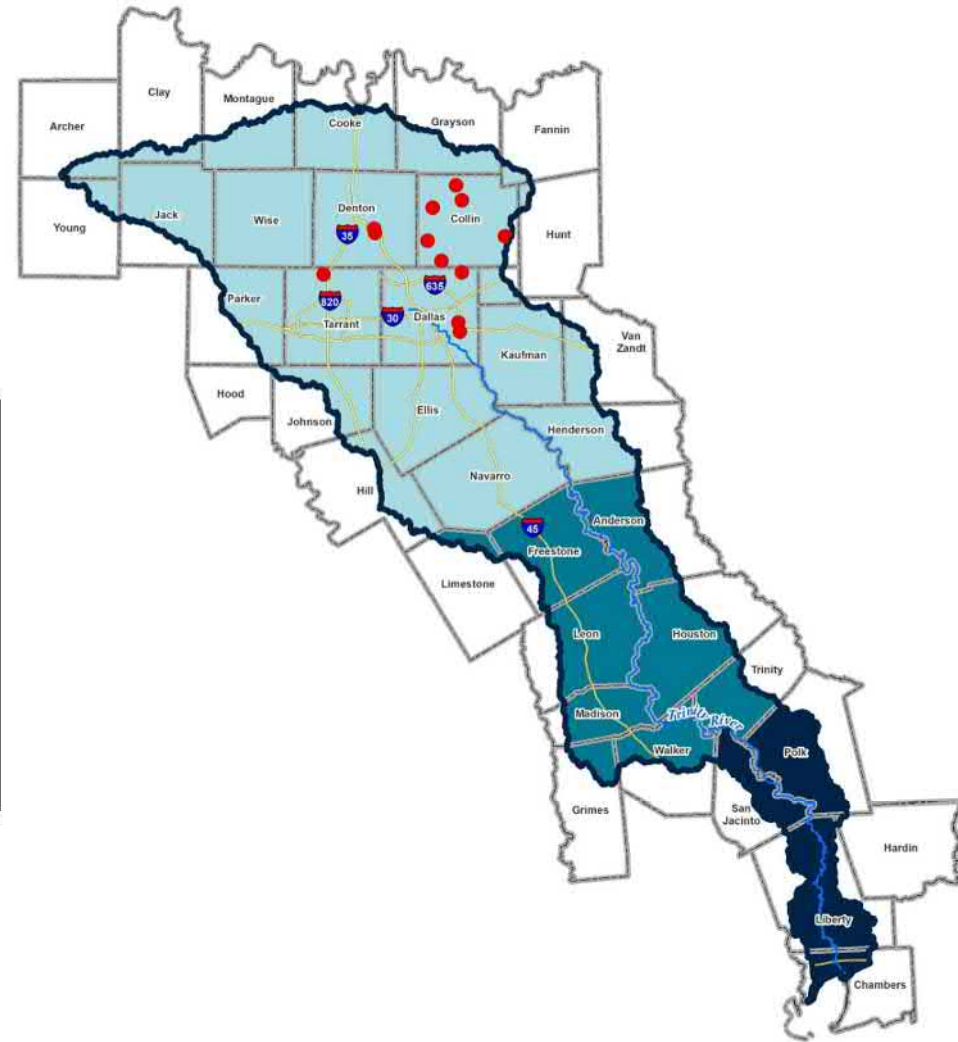
☐ I agree to the above terms and conditions



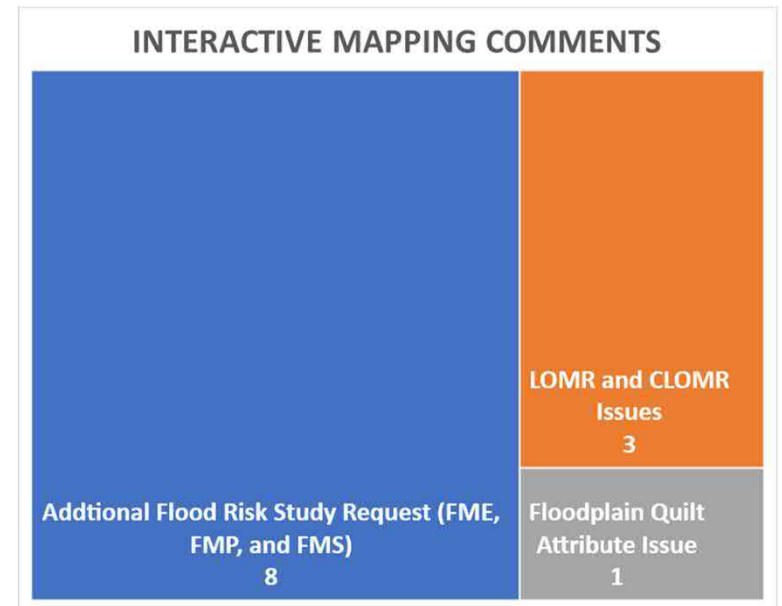
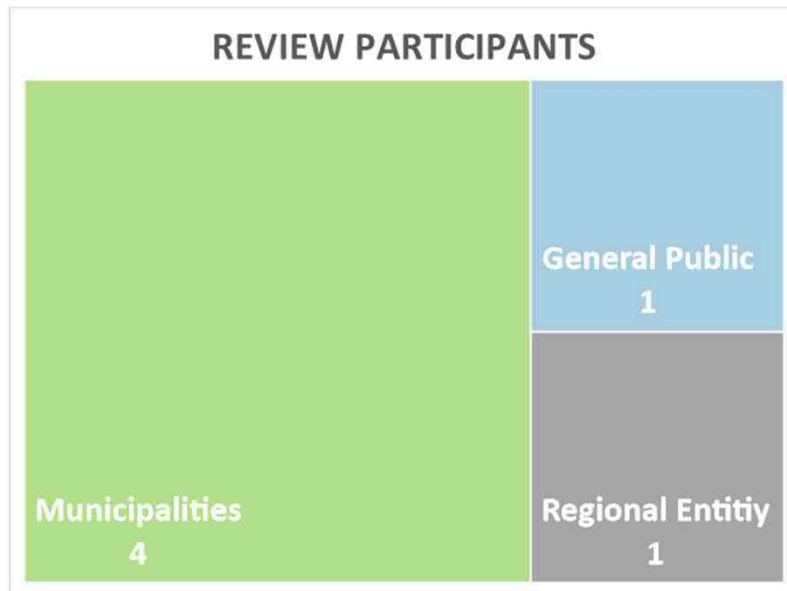
# Public Webmap for Comments

## Key to Features

-  Interstate Highway
-  Regional County
-  Trinity Regional Flood Planning Basin
-  Interactive Mapping Comments
-  Lower Region
-  Middle Region
-  Upper Region



# Public Webmap for Comments



## Chapter 2: Flood Risk Analyses

An important aspect of developing a Regional Flood Plan (RFP) involves an accurate assessment of the flood risk. This includes a description of the flood, identification of what is at risk, and estimation of the associated impacts. In terms of understanding the environment, the Trinity RFP assessed flood risk for existing and future conditions.

In this Trinity RFP, the existing and future conditions flood risk assessment focused on the following three main components:

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

Figure 2.1 below shows the Risk Triangle framework applied to the Trinity Basin RFP Flood Risk Analyses.

Figure 2.1: Flood Risk Analyses Triangle Framework



Source: TWDB

# Chapter 2: Flood Risk Assessment

# Chapter 2: Flood Risk Assessment

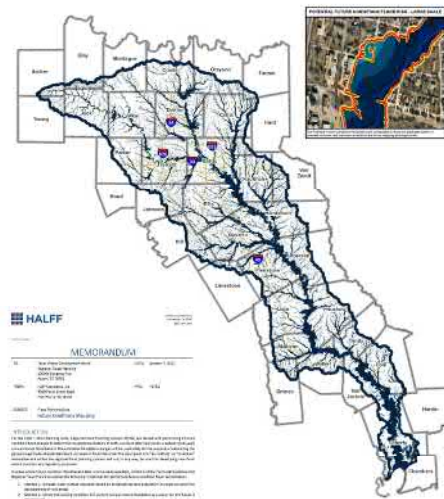
## Existing Conditions



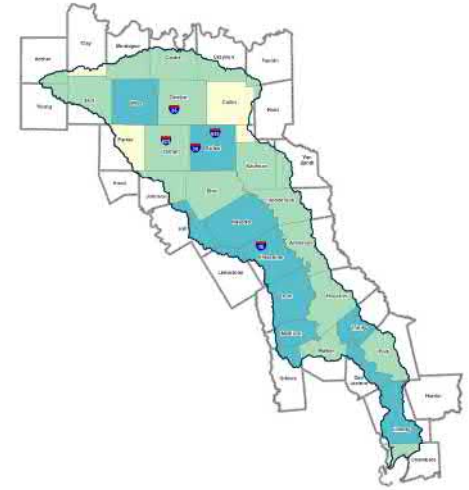
## Inventory

- Buildings 
- Population 
- Critical Facilities 
- Utilities 
- Agriculture 

## Future Conditions



## Exposure and Vulnerability



# Chapter 2 Review Schedule



An underwater photograph showing a wave cresting just above the surface. The water is a deep, dark blue, and the light from the surface creates a shimmering effect on the wave's underside. The overall mood is serene yet powerful, emphasizing the theme of water and flood mitigation.

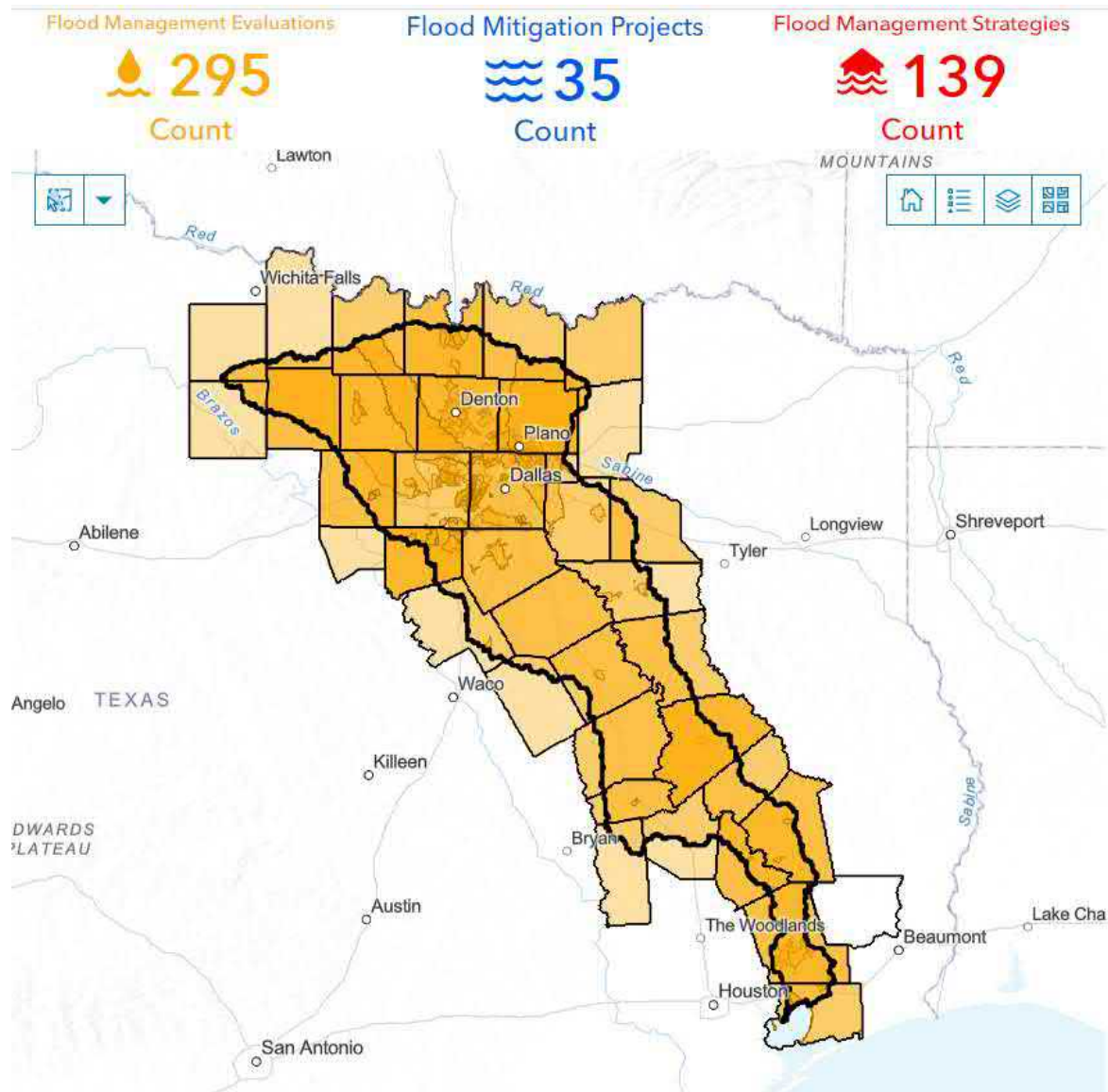
# Ch. 4 Flood Mitigation Needs & Potentially Feasible Solutions

A hand is shown from the palm side, holding a variety of white, hand-drawn digital icons. The icons include a camera, a lightbulb, an '@' symbol, a question mark, a location pin, a clock, a padlock, a house, an envelope, a smartphone, a musical note, a speech bubble, a hand, a laptop, and a magnifying glass. The background is a soft, out-of-focus blue and white. A vertical blue line is positioned to the left of the text.

# **Task 4B Update**

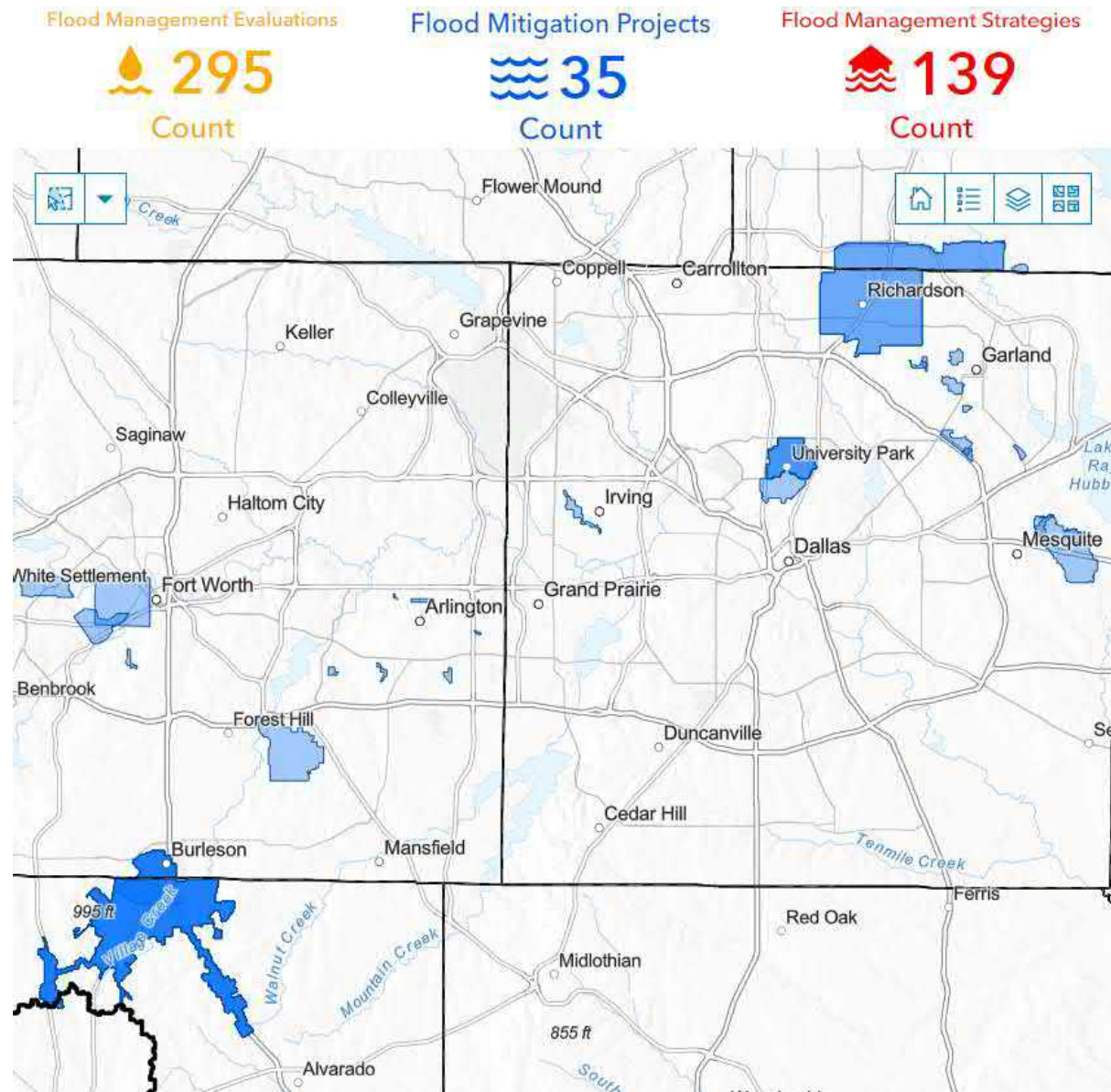
# Task 4B Update

- FME count as of 04/15/2022
- 58 FMEs added from Dallas County Stormwater Infrastructure Assessment (not shown here; included in the supporting tables)



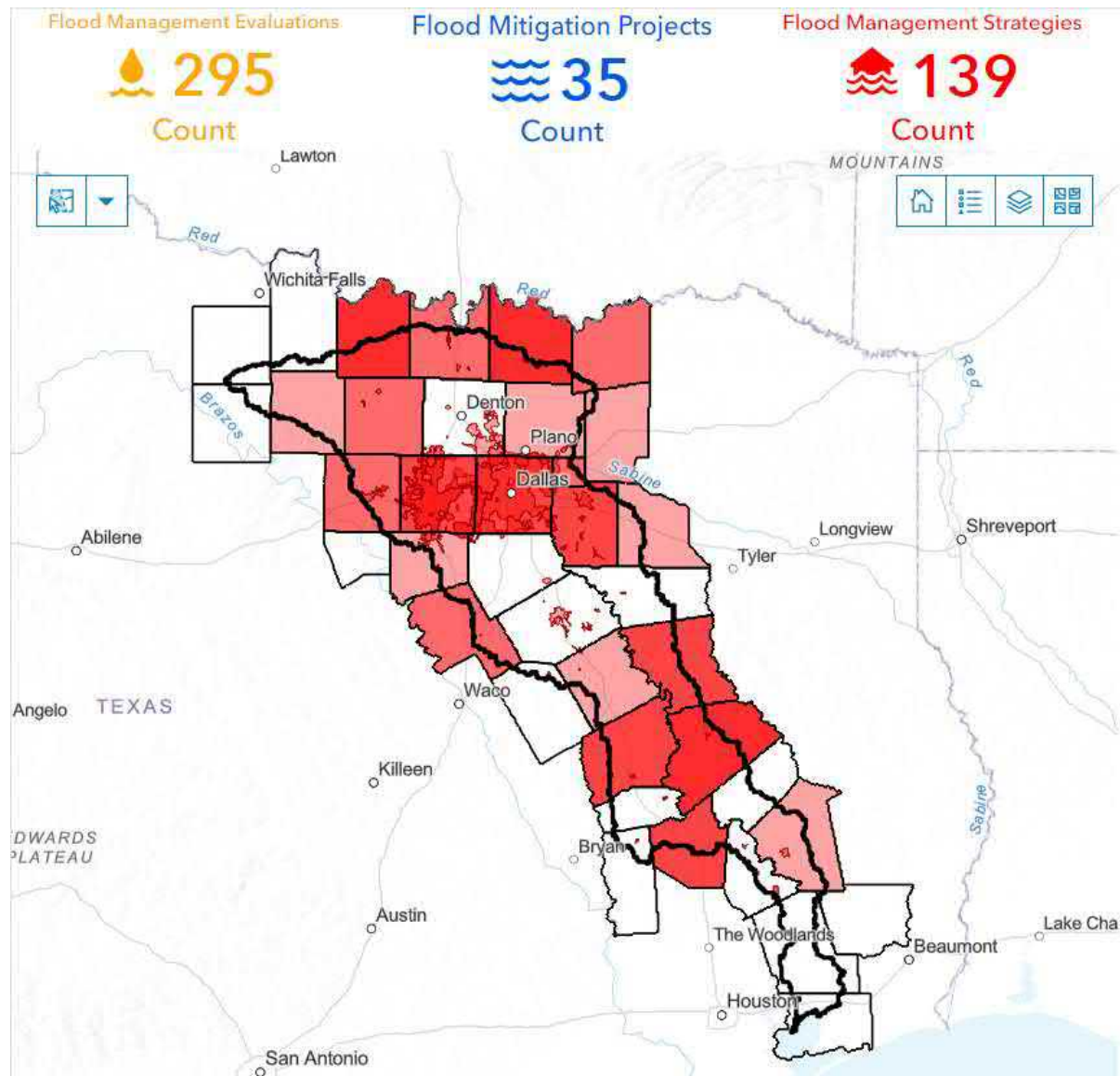
# Task 4B Update


- FMP count as of 04/15/2022



## Task 4B Update

- FMS count as of 04/15/2022
- 3 FMSs added following the Subcommittee Meeting on 04/13/2022 (not shown here; included in the supporting tables)



An underwater photograph showing a sunlit horizon line in the distance, with light rays filtering through the water. The water is a deep blue-green color, and the horizon is a bright, hazy line. The overall mood is serene and deep.

# Ch. 5 Recommendation of FMEs, FMSs, and FMPs

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000001	Archer County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Archer	Watershed Planning - Flood Mapping Updates	Archer County	Y		Keep in Region 3 Plan even if they only have a small portion in the Region. Based on a assumption that Region 3 is recommending action within their
031000002	Anderson County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Anderson	Watershed Planning - Flood Mapping Updates	Anderson County	Y		Considers smaller projects for updating FEMA Maps via LOMR and such? Not always by a full FIRM updtde? Make sure that we are not attached to a full FIRM mapping.
031000003	Chambers County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Chambers	Watershed Planning - Flood Mapping Updates	Chambers County	Y		
031000004	Clay County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Clay	Watershed Planning - Flood Mapping Updates	Clay County	Y		
031000005	Collin County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Collin	Watershed Planning - Flood Mapping Updates	Collin County	Y		
031000006	Cooke County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Cooke	Watershed Planning - Flood Mapping Updates	Cooke County	Y		
031000007	Denton County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Denton	Watershed Planning - Flood Mapping Updates	Denton County	Y		
031000008	Ellis County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Ellis	Watershed Planning - Flood Mapping Updates	Ellis County	Y		
031000009	Fannin County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Fannin	Watershed Planning - Flood Mapping Updates	Fannin County	Y		
031000010	Freestone County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Freestone	Watershed Planning - Flood Mapping Updates	Freestone County	Y		
031000011	Grayson County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Grayson	Watershed Planning - Flood Mapping Updates	Grayson County	Y		
031000012	Grimes County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Grimes	Watershed Planning - Flood Mapping Updates	Grimes County	Y		
031000013	Henderson County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Henderson	Watershed Planning - Flood Mapping Updates	Henderson County	Y		
031000014	Hill County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Hill	Watershed Planning - Flood Mapping Updates	Hill County	Y		
031000015	Hood County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Hood	Watershed Planning - Flood Mapping Updates	Hood County	Y		
031000016	Houston County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Houston	Watershed Planning - Flood Mapping Updates	Houston County	Y		

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000017	Hunt County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Hunt	Watershed Planning - Flood Mapping Updates	Hunt County	Y		
031000018	Jack County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Jack	Watershed Planning - Flood Mapping Updates	Jack County	Y		
031000019	Johnson County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Johnson	Watershed Planning - Flood Mapping Updates	Johnson County	Y		
031000020	Kaufman County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Kaufman	Watershed Planning - Flood Mapping Updates	Kaufman County	Y		
031000021	Leon County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Leon	Watershed Planning - Flood Mapping Updates	Leon County	Y		
031000022	Liberty County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Liberty	Watershed Planning - Flood Mapping Updates	Liberty County	Y		
031000023	Limestone County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Limestone	Watershed Planning - Flood Mapping Updates	Limestone County	Y		
031000024	Madison County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Madison	Watershed Planning - Flood Mapping Updates	Madison County	Y		
031000025	Montague County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Montague	Watershed Planning - Flood Mapping Updates	Montague County	Y		
031000026	Navarro County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Navarro	Watershed Planning - Flood Mapping Updates	Navarro County	Y		
031000027	Parker County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Parker	Watershed Planning - Flood Mapping Updates	Parker County	Y		
031000028	Polk County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Polk	Watershed Planning - Flood Mapping Updates	Polk County	Y		
031000029	Rockwall County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Rockwall	Watershed Planning - Flood Mapping Updates	Rockwall County	Y		
031000030	San Jacinto County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	San Jacinto	Watershed Planning - Flood Mapping Updates	San Jacinto County	Y		
031000031	Trinity County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Trinity	Watershed Planning - Flood Mapping Updates	Trinity County	Y		
031000032	Van Zandt County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Van Zandt	Watershed Planning - Flood Mapping Updates	Van Zandt County	Y		

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000033	Walker County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Walker	Watershed Planning - Flood Mapping Updates	Walker County	Y		
031000034	Wise County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Wise	Watershed Planning - Flood Mapping Updates	Wise County	Y		
031000035	Young County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA mapping as needed.	Young	Watershed Planning - Flood Mapping Updates	Young County	Y		
031000036	East Fork Trinity HUC-8 - East Fork Trinity and Tributaries Flood Risk Identification	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Grayson , Fannin , Hunt , Collin , Rockwall , Dallas ,	Watershed Planning - Flood Mapping Updates	NCTCOG	Y		
031000037	Denton HUC-8 - Hog Branch Flood Risk Identification	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Denton	Watershed Planning - Flood Mapping Updates	NCTCOG	Y		
031000038	Collin County Dam Inundation Study	Inundation studies of all high and moderate hazard dams	Collin	Watershed Planning - Flood Mapping Updates - Dam Failure	Collin County	Y		
031000039	Chambers County Dam/Levee Failure Inundation Map Updates	Update dam and levee failure inundation maps.	Chambers	Watershed Planning - Flood Mapping Updates - Dam Failure	Chambers County, Anahuac, Beach City, Mount	Y		
031000040	Dallas County Dam Inundation Study	Conduct studies to develop dam inundation maps and models	Dallas	Watershed Planning - Flood Mapping Updates - Dam Failure	Dallas County	Y		
031000041	Lake Ray Hubbard and Duck Creek Tributary Inundation Study	Conduct studies to develop inundation maps for Lake Ray Hubbard and Duck Creek Tributary and how it affects the Town of Sunnyvale.	Dallas	Watershed Planning - Flood Mapping Updates - Dam Failure	Town of Sunnyvale	Y		
031000042	Denton County Dam Inundation Study	Inundation studies of all high and moderate hazard dams	Denton	Watershed Planning - Flood Mapping Updates - Dam Failure	Denton County	Y		
031000043	Ellis County Dam Inundation Study	Inundation studies of all high and moderate hazard dams	Ellis	Watershed Planning - Flood Mapping Updates - Dam Failure	Ellis County, Alma, Bardwell, Ennis, Ferris, Garrett,	Y		
031000044	Madison County Dam Inundation Study	Create dam failure inundation maps	Madison	Watershed Planning - Flood Mapping Updates - Dam Failure	Madison County	Y		
031000045	Navarro County Dam Inundation Study	Conduct inundation studies of all high and moderate hazard dams.	Navarro	Watershed Planning - Flood Mapping Updates - Dam Failure	Navarro County, Corsicana, Kerens	Y		
031000046	Parker County Dam Inundation Study	Conduct a dam inundation study	Parker	Watershed Planning - Flood Mapping Updates - Dam Failure	Parker County, Willow Park	Y		
031000047	Tarrant County Dam Inundation Study	Identify and evaluate high hazard dams.	Tarrant	Watershed Planning - Flood Mapping Updates - Dam Failure	Fort Worth, Tarrant County	Y		
031000048	Irving Levee District Flood Risk Assessment	Conduct review of the area in the four levee districts that would be inundated by a levee failure. Analyze all available routes out of the Levee Districts and any new streets that would not be flooded.	Dallas	Watershed Planning - Flood Mapping Updates - Levee Failure	Irving	Y		

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000049	West Fork of the Trinity River Levee Failure Hydrologic Study	Hydrologic study to determine threat, risk, and potential impacts of flooding from levee failure along the West Fork of the Trinity River.	Tarrant	Watershed Planning - Flood Mapping Updates - Levee Failure	River Oaks	Y		
031000050	City of Lavon DMP	Evaluate City and identify future projects.	Collin	Watershed Planning - Drainage Master Plan	Lavon	Y		Add Cities as well.
031000051	University Park DMP	Evaluate City and identify future projects.	Dallas	Watershed Planning - Drainage Master Plan	University Park	Y		
031000052	City of Rowlett DMP	Evaluate City and identify future projects.	Dallas	Watershed Planning - Drainage Master Plan	Rowlett	Y		
031000053	City of Richardson DMP	Evaluate City and identify future projects.	Dallas	Watershed Planning - Drainage Master Plan	Richardson	N	City split their projects within watersheds. No need for a DMP. (Hamilton Dallagasperina)	
031000054	City of Cockrell Hill DMP	Evaluate City and identify future projects.	Dallas	Watershed Planning - Drainage Master Plan	Cockrell Hill	Y		
031000055	City of Aubrey DMP	Evaluate City and identify future projects.	Denton	Watershed Planning - Drainage Master Plan	Aubrey	Y		
031000056	City of Argyle DMP	Evaluate City and identify future projects.	Denton	Watershed Planning - Drainage Master Plan	Argyle	Y		
031000057	City of Maypearl DMP	Evaluate City and identify future projects.	Ellis	Watershed Planning - Drainage Master Plan	Maypearl	Y		
031000058	City of Dayton DMP	Evaluate City and identify future projects.	Liberty	Watershed Planning - Drainage Master Plan	Dayton	Y		
031000059	City of Denton DMP	Evaluate City and identify future projects.	Denton	Watershed Planning - Drainage Master Plan	City of Denton	Y		
031000060	City of Madisonville DMP	Evaluate City and identify future projects.	Madison	Watershed Planning - Drainage Master Plan	Madisonville	Y		
031000061	City of Rockwall DMP	Evaluate City and identify future projects.	Rockwall	Watershed Planning - Drainage Master Plan	Rockwall	Y		
031000062	City of Everman DMP	Evaluate City and identify future projects.	Tarrant	Watershed Planning - Drainage Master Plan	Everman	Y		
031000063	City of Colleyville DMP	Evaluate City and identify future projects.	Tarrant	Watershed Planning - Drainage Master Plan	Colleyville	Y		
031000064	Haltom City DMP	Evaluate City and identify future projects.	Tarrant	Watershed Planning - Drainage Master Plan	Haltom City	Y		

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000065	City of Southlake DMP	Evaluate City and identify future projects.	Tarrant	Watershed Planning - Drainage Master Plan	Southlake	Y		
031000066	City of North Richland Hills DMP	Evaluate City and identify future projects.	Tarrant	Watershed Planning - Drainage Master Plan	North Richland Hills	Y		
031000067	City of Mansfield DMP	Evaluate City and identify future projects.	Tarrant	Watershed Planning - Drainage Master Plan	Mansfield	N	Replaced with specific FMEs (Bart Vanamburgh, Howard Refearn, Raymond Coffman, Trace Hilton)	
031000068	City of Trinidad DMP	Evaluate City and identify future projects.	Henderson	Watershed Planning - Drainage Master Plan	Trinidad	Y		
031000069	Cedar Hill-DeSoto-Duncanville DMP	Evaluate City and identify future projects.	Dallas	Watershed Planning - Drainage Master Plan	Cedar Hill, DeSoto, Duncanville	Y		
031000070	City of Athens DMP	Evaluate City and identify future projects.	Henderson	Watershed Planning - Drainage Master Plan	City of Athens	Y		
031000071	Sansom Park DMP	Evaluate City and identify future projects.	Tarrant	Watershed Planning - Drainage Master Plan	Sansom Park	Y		
031000072	City of Decatur DMP	Evaluate City and identify future projects.	Wise	Watershed Planning - Drainage Master Plan	City of Decatur	Y		
031000073	City of Waxahachie DMP (Phase 2 Continuation)	Evaluate City and identify future projects. Continue efforts of current DMP Phase 2 efforts.	Ellis	Watershed Planning - Drainage Master Plan	City of Waxahachie	Y		
031000074	City of Crockett DMP	Evaluate City and identify future projects.	Houston	Watershed Planning - Drainage Master Plan	City of Crockett	Y		
031000075	Town of Dish DMP	Evaluate City and identify future projects.	Denton	Watershed Planning - Drainage Master Plan	Town of Dish	Y		
031000076	City of Corinth DMP	Evaluate City and identify future projects.	Denton	Watershed Planning - Drainage Master Plan	City of Corinth	Y		
031000077	City of Keller DMP	Evaluate City and identify future projects.	Tarrant	Watershed Planning - Drainage Master Plan	City of Keller	Y		
031000078	Anderson County DMP	Evaluate County and identify future projects.	Anderson	Watershed Planning - Drainage Master Plan	Anderson County	Y		
031000079	Cooke County DMP	Evaluate County to identify future projects.	Cooke	Watershed Planning - Drainage Master Plan	Cooke County	Y		See if we are missing Counties that have mapping projects and are not on the DMP list. Add them as FMEs
031000080	Fannin County DMP	Evaluate County and identify future projects.	Fannin	Watershed Planning - Drainage Master Plan	Fannin County	Y		Group decided to keep in Region 3.

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000081	Freestone County DMP	Evaluate County and identify future projects.	Freestone	Watershed Planning - Drainage Master Plan	Freestone County, Fairfield, Streetman,	Y		
031000082	Houston County DMP	Evaluate County and Identify future projects.	Houston	Watershed Planning - Drainage Master Plan	Houston County	Y		
031000083	Jack County DMP	Evaluate County and identify future projects.	Jack	Watershed Planning - Drainage Master Plan	Jack County	Y		
031000084	Johnson County DMP	Evaluate County and identify future projects.	Johnson	Watershed Planning - Drainage Master Plan	Johnson County	Y		
031000085	Leon County DMP	Evaluate County and identify future projects.	Leon	Watershed Planning - Drainage Master Plan	Leon County	Y		
031000086	Liberty County DMP	Evaluate County and identify future projects.	Liberty	Watershed Planning - Drainage Master Plan	Liberty County	Y		
031000087	Montague County DMP	Evaluate County and identify future projects.	Montague	Watershed Planning - Drainage Master Plan	Montague County	Y		
031000088	Parker County DMP	Evaluate County and identify future projects.	Parker	Watershed Planning - Drainage Master Plan	Parker County, Willow Park	Y		
031000089	Polk County DMP	Evaluate County and identify future projects.	Polk	Watershed Planning - Drainage Master Plan	Polk County, Livingston, Goodrich,	Y		
031000090	San Jacinto DMP	Evaluate County and Identify future projects.	San Jacinto	Watershed Planning - Drainage Master Plan	San Jacinto County, Coldspring, Point Blank, Shepherd	Y		
031000091	Trinity County DMP	Evaluate County and identify future projects.	Trinity	Watershed Planning - Drainage Master Plan	Trinity	Y		
031000092	Van Zandt County DMP	Evaluate County and identify future projects.	Van Zandt	Watershed Planning - Drainage Master Plan	Van Zandt County	Y		
031000093	Wise County DMP	Evaluate County and identify future projects.	Wise	Watershed Planning - Drainage Master Plan	Wise County	Y		
031000094	Dallas County DMP and Vulnerability Assessment	Evaluate County to identify future projects. Risk and vulnerability assessment to determine the number of people, property and infrastructure exposed to flooding.	Dallas	Watershed Planning - Drainage Master Plan	Dallas County	N	Sponsor is doing a portion of this FME with Cat 1 FIF Study. Do not recommend.	Sponsor is doing a portion of this FME with Cat 1 FIF Study. Do not recommend.
031000095	Merritt Road, Sachse Road, and Willow Lake Improvements	Hydrologic and Hydraulic Study of Stream 2E3, 2E4 and Willow Lake to determine causes of flooding along Merrit Rd and identify necessary drainage improvements.	Collin , Dallas	Watershed Planning - H&H Modeling	City of Sachse	Y		
031000096	Richardson West Fork Cottonwood Creek Watershed Study	Richardson West Fork Cottonwood Creek Watershed Study	Dallas , Collin	Watershed Planning - H&H Modeling	Richardson	N	Sponsor is not interested (Hamilton Dallagasperina)	

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000097	Copper Canyon Poindexter Branch Flood Mitigation Plan	Copper Canyon Poindexter Branch Flood Mitigation Plan	Denton	Watershed Planning - H&H Modeling	Copper Canyon	Y		
031000098	Holiday Park North Drainage Study Update	Area 2	Dallas	Engineering Project Planning	City of Garland	Y		
031000099	Buhler, Cresthaven, Madewell & Maryland Drainage Study Update	Area 4	Dallas	Engineering Project Planning	City of Garland	Y		Add one FMS for City of Garland and capture construction cost.
031000100	Bellaire Heights Drainage Study Update	Area 5	Dallas	Engineering Project Planning	City of Garland	Y		
031000101	Country Club Add., Club Hill Est., & Eastern Hills Est. Drainage Study Update	Area 6	Dallas	Engineering Project Planning	City of Garland	Y		
031000102	Shorehaven-Garvon-Rosewood Terrace-Garland Heights-Freeman Heights-Range-Cooper-Barger Drainage Study Update	Area 7	Dallas	Engineering Project Planning	City of Garland	Y		
031000103	Brentwood Place-Two Worlds-Apollo East Park Village Drainage Study Update	Area 8	Dallas	Engineering Project Planning	City of Garland	Y		
031000104	Ridgewood Park-Regal Estates-Meadowcreek Square Drainage Study Update	Area 9	Dallas	Engineering Project Planning	City of Garland	Y		
031000105	Eastern Meadows-Southlake Estates-Greenbrook-Green Acres-Rosehill Acreage Drainage Study Update	Area 10	Dallas	Engineering Project Planning	City of Garland	Y		
031000106	La Prada 7 & 8 Drainage Study Update	Area 11	Dallas	Engineering Project Planning	City of Garland	Y		
031000107	Gatewood Drainage Study Update	Area 12	Dallas	Engineering Project Planning	City of Garland	Y		
031000108	Curtis Drive Drainage Study Update	Area 13	Dallas	Engineering Project Planning	City of Garland	Y		
031000109	Center Creek Plaza 8 Southgate Estates Drainage Study Update	Area 14	Dallas	Engineering Project Planning	City of Garland	Y		
031000110	Bluffview Drainage Study Update	Area 15	Dallas	Engineering Project Planning	City of Garland	Y		
031000111	Camelot Drainage Study Update	Area 16	Dallas	Engineering Project Planning	City of Garland	Y		
031000112	Downtown Drainage Study Update	Area 17	Dallas	Engineering Project Planning	City of Garland	Y		

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000113	Main & Wilson Streets Drainage Study Update	Area 18	Dallas	Engineering Project Planning	City of Garland	Y		
031000114	Royal Crest-Meadowview Drainage Study Update	Area 19	Dallas	Engineering Project Planning	City of Garland	Y		
031000115	Garvon West, Innovation & Kingsley Ind. Park Drainage Study Update	Area 20	Dallas	Engineering Project Planning	City of Garland	Y		
031000116	Northlake & Castlewood Drainage Study Update	Area 21	Dallas	Engineering Project Planning	City of Garland	Y		
031000117	Legend Drive Drainage Study Update	Area 22	Dallas	Engineering Project Planning	City of Garland	Y		
031000118	Brazos Drive Drainage Study Update	Area 23	Dallas	Engineering Project Planning	City of Garland	Y		
031000119	Sweetbriar-Glenrose Alley Drainage Study Update	Area 26	Dallas	Engineering Project Planning	City of Garland	Y		
031000120	Mc Adams Ditch Feasibility Study	Evaluate alternatives for improvements to Mc Adams Ditch (crosses FM 3180 South).	Chambers	Project Planning	Chambers County	Y		
031000121	Rhonda Rosa Lane Bridge	Construct bridge on Rhonda Rosa Lane in Ranches on Turtle Bayou to replace box culverts.	Chambers	Engineering Project Planning	Chambers County	N	Sponsor is not interested (Brad Wilber)	
031000122	Hackberry Gully and Cotton Bayou Shelving Study	Evaluate shelving the entire length of Hackberry Gully and Cotton Bayou from South of I-10 to Cotton Lake; thereby increasing their flow capacity.	Chambers	Engineering Project Planning	Chambers County	Y		
031000123	Collin County Retention Structures Rehabilitation Project	Implement results of hazard/vulnerability assessment and inundation study on NRCS flood retention structures and rehabilitate structures found to be a high hazard.	Collin	Engineering Project Planning	Collin County	Y		
031000124	McMillen Rd Bridge Lift Project (Maxwell Creek)	Flood study to determine parameters to raise bridge at McMillen Rd to reduce flooding .	Collin	Engineering Project Planning	Wylie	N	Sponsor is not interested (Tim Porter)	
031000125	Cooke County Low-Water Crossing Barriers Evaluation	Evaluate installation of automatic flood crossing barriers at low water crossing to prevent automobiles from driving through high water.	Cooke	Engineering Project Planning	Cooke County	Y		
031000126	Wheeler Creek Channelization Study	Evaluate channelization of Wheeler Creek to reduce flooding in the west side of town.	Cooke	Engineering Project Planning	Gainesville	Y		
031000127	Pecan Creek Channelization Study	Evaluate channelization project for Pecan Creek to reduce flooding.	Cooke	Engineering Project Planning	Valley View	Y		
031000128	Lindsay Waterways Improvements Study	Reshape waterways to allow quicker flow in areas that have regular flooding. Construction of Gabion retaining walls, and widening and/or deepening of the waterway.	Cooke	Project Planning	Lindsay	Y		

Region 3 - Potential FME

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031000129	O'Neal St Low-Water Crossing Automatic Barrier Study	Evaluate installation of an automatic barricade for low-water crossing on O'Neal St.	Cooke	Engineering Project Planning	Gainesville	Y		
031000130	Elm Fork Bridge Improvements Assessment	Assessment to alleviate flooding issues with the Elm Fork bridge on I-35.	Cooke	Engineering Project Planning	Gainesville	Y		
031000131	Brockbank and Embassy Channel Basin Improvements Assessment	Evaluate channel improvements on Brockbank Channel Basin north of SH 183; and Embassy Channel Basin north of SH 183	Dallas	Engineering Project Planning	Irving	Y		
031000132	University Park Storm Water Infrastructure Improvements Study	Evaluation of storm drain system improvements including new storm sewer inlets, mains, and underground detention system to reduce flooding in Northeast portion of the City.	Dallas	Engineering Project Planning	University Park	Y		
031000133	Exall and Wycliffe Dam Maintenance Protocol for Drainage Systems and Flood Control Structures	Develop and implement a maintenance protocol for Drainage Systems and Flood Control Structures in and around the Exall and Wycliffe Dams. Roadway reconstruction, culvert / bridge construction and	Dallas	Engineering Project Planning	Highland Park	Y		
031000134	Farmers Branch Retention Pond Dredging	Evaluate the dredging of the retention ponds along the creeks within the City.	Dallas	Engineering Project Planning	Farmers Branch	Y		
031000135	Ten Mile Creek Channel Expansion Study	Study to improve and increase the capacity of storm water system by expanding the Ten Mile Creek downstream channel to prevent flooding in flood prone areas to include structural stormwater	Dallas	Engineering Project Planning	Lancaster	Y		
031000136	Hunterwood Stream Stabilization Project	Evaluate the installation and maintenance of gabion walls to mitigate stream bank erosion during extreme flood events	Dallas	Engineering Project Planning	Coppell	Y		
031000137	Carrollton Flood Warning Barrier System Study	Evaluate the procurement and installation of flood warning barrier system to prevent motorists from driving into flooded areas.	Dallas,Denton	Engineering Project Planning	Carrollton	Y		
031000138	Westside Drive Drainage System and Street Reconstruct Study	Study to reconstruct Drainage System and Street in the 4500-4700 blocks of Westside Drive	Dallas	Engineering Project Planning	Highland Park	Y		
031000139	Garner Rd, Chiesa Rd, and Wayne Way Storm Drain System Improvements	Evaluation of storm drain system redirection and improvements at Garner Rd, Chiesa Rd, and Wayne Way	Dallas	Engineering Project Planning	Rowlett	Y		
031000140	Cooks Creek Drainage Infrastructure Improvements	Evaluation of improvements to drainage infrastructure along Cooks Creek between Bee St and Spring Valley.	Dallas	Engineering Project Planning	Farmers Branch	Y		
031000141	Carrollton Drainage Upgrades	Evaluate upgrades to drainage and targeted regrading of streets and properties. Add additional drains and supporting infrastructure in older neighborhoods to increase offloading of flash flood waters.	Dallas,Denton	Engineering Project Planning	Carrollton	Y		
031000142	Little Elm Drainage Improvements	Evaluate drainage improvements to mitigate future flash and lake flooding problems.	Denton	Engineering Project Planning	Little Elm	Y		
031000143	Shady Shores Rd Elevation Study	Evaluate alternatives to elevate Shady Shores Rd to reduce future loss due to flooding	Denton	Engineering Project Planning	Shady Shores	Y		
031000144	Sanger Creek Waterways Reconstruction Study	Evaluate alternatives to reconstruct creek waterways to correct drainage issues	Denton	Engineering Project Planning	Sanger	Y		

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031000145	CR 1400 drainage study	Evaluate widening road and installing box drains where necessary.	Henderson	Engineering Project Planning	Malakoff	Y		
031000146	Malone Bridge Improvements	Evaluate alternatives to elevate roadways in flood-prone areas through bridge improvements	Hill	Engineering Project Planning	Malone	Y		
031000147	FM 2114 Automated Flood Gate Feasibility Assessment	Evaluate installation of an automated flood gate that prevents traffic flow on FM 2114 within the flood-prone area during flooding events.	Hill	Engineering Project Planning	Penelope	Y		
031000148	Houston County dike for critical facilities	Evaluate alternatives to build earthen dike to elevate emergency vehicle access road to critical facilities to provide protection to 500-year flood level	Houston	Engineering Project Planning	Houston County	Y		
031000149	Grapeland Critical Facilities Floodproofing Assessment	Assess flood proofing critical facilities to the 500-year flood that are located in flood-prone areas of the city in Region 3	Houston	Engineering Project Planning	Grapeland	Y		
031000150	Jack County WWTP and Lift Station Flood-Proofing.	Evaluate alternatives to flood-proof sewage treatment plans in flood hazard / low-lying areas. Raise electrical components of sewage lift stations above the BFE.	Jack	Engineering Project Planning	Jack County	Y		
031000151	County Rd 125 Automatic Warning Barricade Installation	Evaluate alternatives to install automatic warning barricades at County Rd 125 low-water crossing	Kaufman	Engineering Project Planning	Kaufman County	Y		
031000152	City of Liberty WWTP Levee Study	Study to evaluate constructing levee floodwall around waste water treatment plant	Liberty	Engineering Project Planning	City of Liberty	Y		
031000153	Liberty County Re-canalization	Evaluate alternatives to dechannelize existing feeder creeks that flow from north to south and improve drainage for storm water runoff	Liberty	Engineering Project Planning	Liberty County	Y		
031000154	Liberty County Culverts Upgrades	Evaluate alternatives to reduce flooding by increasing size of culverts to 24 inches on County Rd 2361, 2362, 2363, and 2364 and CR 2358	Liberty	Engineering Project Planning	Liberty County	Y		
031000155	County Rd 2331 Re-Routing	Evaluate alternatives to re-route County Rd 2331 to area not prone to flooding	Liberty	Engineering Project Planning	Dayton Lake Estates	Y		
031000156	"Aqueduct" Drainage System Replacement	Replace current drainage system known as the "Aqueduct" in the city. Includes creating underground drainage along North Main St	Parker	Engineering Project Planning	Hudson Oaks	N	Sponsor is not interested (Sterling Naron)	
031000157	Polk County Road and Drainage Improvements	Evaluate road elevation and drainage improvements.	Polk	Engineering Project Planning	Polk County	Y		
031000158	Seven Oaks Drainage Ditches	Evaluate drainage ditch along city streets Camp Rd, Pickens Loop, Franklin Rd, Austin Street, and Hunt Street	Polk	Engineering Project Planning	Seven Oaks	Y		
031000159	Old 35 Sover Sampson Creek Bridge Elevation	Evaluate alternatives to elevate bridge on Old 35 Sover Sampson Creek	Polk	Engineering Project Planning	Goodrich	Y		
031000160	Pennington Rd Culverts	Evaluate alternatives to install multiple culverts under Pennington Rd	Polk	Engineering Project Planning	Goodrich	Y		

Region 3 - Potential FME

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031000161	Seven Oaks Culvert Installation	Evaluate alternatives to install multiple new culverts under Camp Rd, Pickens Loop, and Franklin Rd	Polk	Engineering Project Planning	Seven Oaks	Y		
031000162	San Jacinto County Drainage and Conveyance Capacity Improvements	Evaluate alternatives to improve drainage and conveyance capacity for Big Creek.	San Jacinto	Engineering Project Planning	Shepherd, San Jacinto County	Y		
031000163	Rock Creek Road Improvements	Evaluate alternatives to mitigate repetitive damages to Rocky Creek Rd sustained between 2015 - Present	San Jacinto	Engineering Project Planning	San Jacinto County, Shepherd	Y		
031000164	Chipmunk Rd Culverts Replacement	Evaluate alternatives to replace Chipmunk Rd culverts with a bridge	San Jacinto	Engineering Project Planning	San Jacinto County, Shepherd	Y		
031000165	Comanche Drive Culvert and Retention Wall Construction Feasibility Assessment	Evaluate feasibility for building a larger culvert and retention wall for watershed over low crossing on Comanche Drive	Tarrant	Engineering Project Planning	Lake Worth	Y		
031000166	Aton Storm Drain System Updates	Improve drainage capabilities on the Aton Storm drain system.	Tarrant	Engineering Project Planning	Westworth Village	N	Project already completed (Cody Cooke-Morse)	
031000167	Lower Hardisty Storm drain Improvements	Evaluate alternatives for storm drain improvements	Tarrant	Engineering Project Planning	Richland Hills	Y		
031000168	Big Bear Creek, Little Bear Creek, and Marshall Branch Stream Bank Erosion Study	Study to reduce stream bank erosion impacts along Big Bear Creek, Little Bear Creek, and Marshall Branch to improve drainage within the City of Keller	Denton, Montague, Tarrant, Wise	Engineering Project Planning	Keller	Y		
031000169	Calloway Branch Erosion Control Installation	Install erosion control in Calloway Branch to eliminate erosion of stream bank	Tarrant	Engineering Project Planning	Hurst	Y		
031000170	Mansfield Stream Stabilization	Design and construct projects to protect public infrastructure and private property from damages due to streambank erosion. Projects could include Saddlehorn/Walnut Creek sewer interceptor aerial	Tarrant	Engineering Project Planning	Mansfield	Y		
031000171	Turkey Creek Trail Bridge	Evaluate alternatives to construct Bridge at Low-Water Crossing on Turkey Creek Trail.	Wise	Engineering Project Planning	Bridgeport	Y		
031000172	Turkey Creek Trail Rebuild	Evaluate alternatives to rebuild Turkey Creek Trail from 9th Street to State Highway 114.	Wise	Engineering Project Planning	Bridgeport	Y		
031000173	West Bridgeport Creek Channelization and Drainage Project	West Bridgeport Creek Channelization and Drainage Project Feasibility Assessment.	Wise	Engineering Project Planning	Bridgeport	Y		
031000174	North Weatherford St and Oakwood St Structure Improvements	Structure improvements assessment - North Weatherford St in front of fire station and Oakwood St between Granada and El Camino.	Wise	Engineering Project Planning	Chico	Y		
031000175	Hurstview Drive Bridge Improvement	Lorean watershed; \$390,000 cost estimate; from 2013 study	Tarrant	Engineering Project Planning	City of Hurst	Y		Add one FMS for City of Hurst and capture construction cost
031000176	Regional Detention at Mayfair Park	Valley View watershed; \$1,900,000 cost estimate; from 2017 study	Tarrant	Engineering Project Planning	City of Hurst	Y		

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000177	TRE & SH-10 Culvert Improvements	Valley View watershed; \$750,000 cost estimate; from 2017 study	Tarrant	Engineering Project Planning	City of Hurst	Y		
031000178	Pipeline Road Bridge Improvement	Walker watershed; \$1,700,000 cost estimate; from 2020 study	Tarrant	Engineering Project Planning	City of Hurst	Y		
031000179	Redbud Drive Bridge Improvement	Walker watershed; \$1,200,000 cost estimate; from 2020 study	Tarrant	Engineering Project Planning	City of Hurst	Y		
031000180	Northeast Mall Culvert Improvement	Walker watershed; \$11,600,000 cost estimate; from 2020 study	Tarrant	Engineering Project Planning	City of Hurst	Y		
031000181	Grand Parkway Culvert Crossing	Evaluate alternatives to upsize cross-culverts to allow for developed flow	Chambers	Engineering Project Planning	City of Mont Belvieu	Y		
031000182	Cherry Point Gully PER	Evaluate alternatives to construct a diversion channel; channel improvements upstream of diversion; construction of regional detention basins as alternative to diversion channel construction	Chambers	Engineering Project Planning	City of Mont Belvieu	Y		
031000183	Cotton Bayou PER	Evaluate alternatives to construct a diversion channel within irrigation canal ROW to drain to Old River; construction of detention basins to serve new development; linear detention through channel	Chambers	Engineering Project Planning	City of Mont Belvieu	Y		
031000184	Belt Line Rd (FM1382) at Cottonwood Creek	Study update - Channel Improvements; \$4,502,500	Dallas,Tarrant	Engineering Project Planning	City of Grand Prairie	Y		Capture construction costs by listing an FMS for City of Grand Prairie. Leave FMEs as separate actions.
031000185	North Grand Prairie High School Pond Crossing	Study update - Gopher Creek 430 feet north of Small Hill St; channel improvements; \$159,500	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000186	Belt Line Rd at Plattner Creek	Study update - Channel Improvements; \$435,500	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000187	Small Hill St at Gopher Creek	Study update - Channel Improvements; \$307,700	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000188	Carrier Parkway at Dalworth Creek	Study update - 190 feet southeast of Capetown; Channel Improvements; \$1,092,000	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 10-yr	Leave LOS comment here, but SC will recommend them.
031000189	East Tarrant Rd at Gopher Creek	Study update - Channel Improvements; \$381,300	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000190	NE 5th St at Gopher Creek	Study update - Channel Improvements; \$390,200	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000191	Grass-covered Culvert at Dalworth Creek	Study update - 520 feet west of Carrier Parkway; Channel Improvements; \$1,048,700	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000192	High School Drive at Gopher Creek	Study update - Channel Improvements; \$402,400	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 10-yr	

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000193	Duncan Perry Rd at Johnson Creek	Study update - Channel Improvements; \$5,374,200	Dallas,Tarrant	Engineering Project Planning	City of Grand Prairie	Y		
031000194	Great Southwest Parkway at Cottonwood Creek Bridge and Roadway Raising Improvements (Stream Station 104+64)	Study update - Channel Improvements; \$9,538,300	Dallas,Tarrant	Engineering Project Planning	City of Grand Prairie	Y		
031000195	West Park Square Rd at Turner Branch	Study update - Channel Improvements; \$445,200	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000196	Carrier Parkway at Cottonwood Creek and South Fork Cottonwood Creek - Bridges	Study update - Channel Improvements; \$18,164,400	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000197	3rd St at Cottonwood Creek and Cottonwood Creek from SW 3rd to FM 1382	Study update - Channel Improvements; \$12,733,000	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000198	FM 661 at Mountain Creek (Future with Development)	Study update - Channel Improvements; \$7,750,000	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000199	Green Hollow Drive North and South of Thornbush Drive	Study update - Storm Drain Improvements; \$247,000	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000200	Carrier Parkway & Egyptian Way	Study update - Storm Drain Improvements; \$3,165,300	Dallas,Tarrant	Engineering Project Planning	City of Grand Prairie	Y		
031000201	East Pioneer Parkway & SE 14th St	Study update - Storm Drain Improvements; \$3,742,700	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000202	Great Southwest Parkway & Pinewood Drive	Study update - Storm Drain Improvements; \$3,998,200	Dallas,Tarrant	Engineering Project Planning	City of Grand Prairie	Y		
031000203	Lake Park Drive and Victoria Drive	Study update - Storm Drain Improvements; \$1,094,100	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000204	Regional Detention at Bowie Elementary School	Study update - Storm Drain Improvements; \$3,433,500	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000205	Shady Grove Rd - Jones St Storm Drainage Improvements	Study update - Storm Drain Improvements; \$1,679,200	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000206	Duncan Perry Rd, Heritage Court and Goodwin Branch	Study update - Storm Drain Improvements; \$1,175,300	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000207	Thousand Oaks Court	Study update - Storm Drain Improvements; \$742,700	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000208	East Marshall Drive, Santa Cruz Circle & Belt Line Rd	Study update - Storm Drain Improvements; \$1,753,800	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 10-yr	

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000209	East Main St & NE 14th St	Study update - Storm Drain Improvements; \$5,879,400	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000210	Marshall Drive from Emerald to SW 3rd	Study update - Storm Drain Improvements; \$3,603,100	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000211	Varsity Drive and Christy St from Varsity to Mountain Creek Lake	Study update - Storm Drain Improvements; \$4,768,500	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000212	SE 10th Street and Avion Parkway from Perman South to Culvert Crossing	Study update - Storm Drain Improvements; \$1,158,400	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 10-yr	
031000213	SW 3rd Street from Dorris North to Concrete Channel	Study update - Storm Drain Improvements; \$4,024,800	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000214	Bowles St & Hensley Drive	Study update - Storm Drain Improvements; \$1,295,700	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 10-yr	
031000215	Manana Channel Improvements	Study update - Storm Drain Improvements; \$967,600	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 25-yr	
031000216	South of Bardin Rd and North of Newberry St	Study update - Storm Drain Improvements; \$2,007,600	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000217	Cherokee Trace and Choctaw Trace to Clarice	Study update - Storm Drain Improvements; \$2,715,600	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000218	Gilbert Rd Drainage Improvements	Study update - Storm Drain Improvements; \$5,825,500	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000219	27th Street and Graham Street from Rinehart to Channel	Study update - Storm Drain Improvements; \$1,419,800	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 10-yr	
031000220	East Marshall Drive & Avenue C, East Coral & SE 14th Street and in SE 14th Street & Bogarte Drive	Study update - Storm Drain Improvements; \$6,399,100	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000221	Lakeview Drive & SE 14th Street	Study update - Storm Drain Improvements; \$3,570,700	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 10-yr	
031000222	WE Roberts St & SW 16th St	Study update - Storm Drain Improvements; \$1,625,900	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 10-yr	
031000223	Jelmak Rd - Hardrock Rd	Study update - Storm Drain Improvements; \$5,095,800	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 25-yr	
031000224	Shady Grove Rd, Gilbert Rd, Wright Blvd	Study update - Storm Drain Improvements; \$2,860,900	Dallas	Engineering Project Planning	City of Grand Prairie	Y		

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000225	Parker Rd - Hardrock Rd	Study update - Storm Drain Improvements; \$5,760,800	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 25-yr	
031000226	North Carrier Parkway & Main St to Dalworth Creek Channel	Study update - Storm Drain Improvements; \$8,803,700	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 10-yr	
031000227	Pioneer Parkway from Brady to Plattner Creek (TXDOT)	Study update - Storm Drain Improvements; \$9,511,900	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 10-yr	
031000228	NW 24th St & NW 23rd St from West Main to Ditch Near Dalworth St and Doreen St	Study update - Storm Drain Improvements; \$5,982,600	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 10-yr	
031000229	Detention Basin at St. Michael's Church Vacant Property and Relief Storm Drains in Corn Valley Rd and Neighboring Streets	Study update - Storm Drain Improvements; \$18,766,400	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000230	River Ridge Boulevard	Study update - Storm Drain Improvements; \$6,148,800	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000231	East Grand Prairie Rd & 14th Street from Austin to Ditch South of Skyline	Study update - Storm Drain Improvements; \$8,549,300	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 10-yr	
031000232	Shady Grove Rd	Study update - Storm Drain Improvements; \$6,737,200	Dallas	Engineering Project Planning	City of Grand Prairie	Y	LOS 25-yr	
031000233	Various Streets and Alleys from Dallas Street West of NW 20th Street to Ditch Just South of WE Roberts Street	Study update - Storm Drain Improvements; \$10,656,800	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000234	South Great Southwest Parkway from Warrior to Kirby Creek Concrete Channel North of Mayfield	Study update - Storm Drain Improvements; \$1,411,100	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000235	South Great Southwest Parkway from North of Forum Drive to Prairie Creek Channel	Study update - Storm Drain Improvements; \$2,127,800	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000236	South Great Southwest Parkway from Sherman to Cottonwood Creek	Study update - Storm Drain Improvements; \$6,881,500	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000237	Arbor Creek Pedestrian Bridge Repair and Channel Bottom Stabilization	Evaluate the improvements needed along Arbor Creek, including the pedestrian bridge and channel stabilization: 270 feet south of Johnson Creek and 290 feet east of SH 161; \$270,900	Dallas	Engineering Project Planning	City of Grand Prairie	Y		Revise language to show they are studies and not FMPs. Use language about Evaluating the replacement.
031000238	Gopher Creek Stream Bottom Stabilization	Evaluate the improvements needed along Gopher Creek: downstream of NE 5th Street; between High School Drive and NE 5th Street; downstream of Belt Line Road; \$65,600 (?) + \$127,300; downstream	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000239	Turner Branch Stream Bottom Stabilization	Evaluate the improvements needed along Turner Branch: 380 feet south of Small Hill Street to 450 feet north of East Tarrant Road; \$187,200 (?)	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000240	Arbor Creek Channel Bottom Stabilization	Evaluate the improvements needed along Arbor Creek, includings channelization, stabilization, and bank armoring from SH 161 East to Johnson Creek Confluence; \$2,096,900; from Duncan Perry to SH 161;	Dallas	Engineering Project Planning	City of Grand Prairie	Y		

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000241	North Fork of Cottonwood Creek Stabilization	Evaluate the improvements needed along the North Fork of Cottonwood Creek: from Great Southwest to Carrier; \$214,900	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000242	Kirby Creek Channel Lining Replacements	Evaluate the improvements needed along Kirby Creek: from 800 feet east of Great Southwest to West of Waterwood; just north of Kildeer cul-de-sac and from Waterwood East to End of Channel Lining just	Dallas	Engineering Project Planning	City of Grand Prairie	Y	Would not be a feasible FMP (has no quantifiable flood risk benefits)	Leave for now, but we may need to rephrase title of FME
031000243	Dry Branch Stream Bottom Stabilization	Evaluate the improvements needed along Dry Branch: 300 feet south of Rock Island (2 locations); \$91,300	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000244	Johnson Creek Avenue J Stabilization	Evaluate the improvements needed along Johnson Creek Avenue J, including bridge abutment repair and channel bank stabilization; \$168,500	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000245	Garden Branch Stabilization	Evaluate the improvements needed along Garden Branch: channel bottom stabilization from Camp Wisdom to Great Southwest; \$176,100	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000246	Warrior Creek Stabilization	Evaluate the improvements needed along Warrior Creek: From Great Southwest to South Fork Cottonwood Creek; \$518,500	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000247	Dalworth Creek Stabilization	Evaluate the improvements needed along Dalworth Creek, including repair of gabions and protection of wastewater crossing downstream of I-30; \$402,000; from Dalworth Street to Roman; \$278,900	Dallas	Engineering Project Planning	City of Grand Prairie	Y		Consider changing language to description to avoid "maintenance" type language.
031000248	South Fork Cottonwood Creek	Evaluate improvements along South Fork Cottonwood Creek: from Great Southwest to Carrier; \$781,200	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000249	Willis Branch Stabilization	Evaluate improvements along Willis Branch: Dam removal and south channel bank stabilization just west of Devon cul-de-sac; \$48,600; from Great Southwest to Sheffield; \$200,700	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000250	Johnson Creek Stabilization	Evaluate improvements along Johnson Creek: replacement of failed inline channel structure 500 feet east of SH 161 and channel sediment removal; \$1,979,000; south channel bank stabilization north of	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000251	Henry Branch Stream Stabilization	Evaluate improvements along Henry Branch: from apartments at 1000 South Belt Line to Grand Prairie Road; \$127,900	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000252	Plattner Creek Stabilization	Evaluate improvements along Plattner Creek: from FM 1382 to City Limits of Dallas, west of SE 14th; \$252,900	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000253	Prairie Creek Stabilization	Evaluate improvements along Prairie Creek: from upstream of Great Southwest Pkwy to upstream of Robinson Road; \$606,900	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000254	Stuart Branch Stabilization	Evaluate improvements along Stuart Branch: from 460 feet north of Sanctuary Drive and 350 feet northeast of Nature Court cul-de-sac to Joe Pool Lake (future with development); \$349,700	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000255	Swadley Branch Stabilization	Evaluate improvements along Swadley Branch: from 2200 feet south of Koscher Drive to Joe Pool Lake (future with development); \$286,800	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000256	Mills Branch Stabilization	Evaluate improvements along Mills Branch: from 880 feet south of South Periwinkle Court cul-de-sac to Joe Pool Lake (future with development); \$599,300	Dallas	Engineering Project Planning	City of Grand Prairie	Y		

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000257	Tarrell Creek Stabilization	Evaluate improvements along Tarrell Creek: from a Stream Point 2420 feet south of South Periwinkle Court cul-de-sac and 800 feet east of South Periwinkle Court cul-de-sac to Joe Pool Lake (future with	Dallas	Engineering Project Planning	City of Grand Prairie	Y		
031000258	Jackson Meadows Pond Erosion Control	Evaluate erosion control measures around three pond headwalls to decrease flow velocity.	Collin , Dallas	Engineering Project Planning	City of Sachse	Y		
031000259	Long Branch Channel Improvements (Dewitt to Ingram)	Evaluate channel improvements to replace a failed headwall and reduce erosive velocities. Sewer line relocation to protect against potential failure due to erosion.	Collin , Dallas	Engineering Project Planning	City of Sachse	Y		
031000260	North Colony Blvd. at Powers Street	Streams SC-1A Drainage Study and storm drain upgrades to deal with flooding	Denton	Engineering Project Planning	City of The Colony	Y		
031000261	Office Creek Drainage Study	Update Drainage Study and Improvements at Five Star Park	Denton	Engineering Project Planning	City of The Colony	Y		
031000262	Bill Allen Park Erosion Repairs	Blair Oaks Drive to Good Shepherd Lutheran Church	Denton	Engineering Project Planning	City of The Colony	Y		
031000263	Johnson County Low Water Crossings - East Side	Hydraulic evaluation to determine how to reduce flooding risk at multiple low water crossings.	Johnson	Engineering Project Planning	Johnson County	Y		
031000264	Johnson County Low Water Crossings - West Side	Hydraulic evaluation to determine how to reduce flooding risk at multiple low water crossings.	Johnson	Engineering Project Planning	Johnson County	Y		Leave in
031000265	Tributary SB-1 Culvert Improvements	Evaluate and define necessary culvert improvements: Circle Lane, Shirley Way, Briar Drive, Schumac Lane, and Donna Lane	Tarrant	Engineering Project Planning	City of Bedford	Y		
031000266	Tributary SB-1: Shirley Way Culvert Improvements	Evaluate and define necessary culvert improvements.	Tarrant	Engineering Project Planning	City of Bedford	N	Merge SB-1 FMEs into one FME (031000265)	
031000267	Tributary SB-1: Briar Drive Culvert Improvements	Evaluate and define necessary culvert improvements.	Tarrant	Engineering Project Planning	City of Bedford	N	Merge SB-1 FMEs into one FME (031000265)	
031000268	Tributary SB-1: Schumac Lane Culvert Improvements	Evaluate and define necessary culvert improvements.	Tarrant	Engineering Project Planning	City of Bedford	N	Merge SB-1 FMEs into one FME (031000265)	
031000269	Tributary SB-1: Donna Lane Culvert Improvements	Evaluate and define necessary culvert improvements.	Tarrant	Engineering Project Planning	City of Bedford	N	Merge SB-1 FMEs into one FME (031000265)	
031000270	Sulphur Branch Culvert Improvements	Evaluate and define necessary culvert improvements: Circle Lane and Bedford Road	Tarrant	Engineering Project Planning	City of Bedford	Y		
031000271	Sulphur Branch: Bedford Road Culvert Improvements	Evaluate and define necessary culvert improvements.	Tarrant	Engineering Project Planning	City of Bedford	N	Merge Sulphur Branch FMEs into one FME (031000270)	
031000272	Fairfield South Bateman Drainage Study	Fairfield South Bateman Drainage Study	Freestone	Engineering Project Planning	Fairfield	Y		

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000273	City of Plano DMP	Evaluate alternatives for citywide drainage improvements for areas with history of flooding.	Collin	Watershed Planning - Drainage Master Plan	City of Plano	Y		
031000274	Collin County flooding hazard/vulnerability assessment	Develop and implement a hazard/vulnerability assessment for personal properties and structures located in the floodplain.	Collin	Studies on Flood Preparedness	Collin County	Y		
031000275	Houston County Lake Dam Emergency Action Plan	Develop Emergency Action Plan for Houston County Lake Dam	Houston	Studies on Flood Preparedness	Houston County	Y		
031000276	Grayson County Dams Compliance Assessment	Determine owners of all high and significant hazard dams and obtain copies of all EAPs. Obtain available dam failure impact data necessary for determining most appropriate mitigation approach that would	Grayson	Studies on Flood Preparedness	Grayson County	Y		
031000277	Denton County USDA (NRCS) Dam Studies and Rehabilitation	USDA (NRCS) Dam Studies and Rehabilitation	Denton	Other - Dam Studies	Denton County	Y		Rehabilitation would be the FMP
031000278	Spring Creek Retaining Walls	Evaluate results from the 2021 Spring Creek Erosion and Retaining Wall Assessment project. This project identified 19 locations with recommended repairs/maintenance to erosion structures.	Dallas	Project Planning	City of Garland	Y		Look at it as FME, not FMP. Update language
031000279	Colonel Palm Valley Drainage Improvements	Evaluate results from the Colonel Drive Drainage Study. This study identified mitigation options in Coloneal Drive and Palm Valley Drive.	Dallas	Project Planning	City of Garland	Y		Look at it as FME, not FMP. Update language to evaluate
031000280	Ashville Drive Drainage Improvements	Evaluate results from the Ashville Drainage Study. This study identified recommended mitigation options that can provide 100-year protection and minimal improvements for greater frequency storm	Dallas	Project Planning	City of Garland	Y		Look at it as FME, not FMP. Update language to evaluate
031000281	Freeman Heights Drainage Improvements	Evaluate results from the Garland-Freeman Height Drainage Study. This study identified improvement projects for the storm sewer.	Dallas	Project Planning	City of Garland	Y		Look at it as FME, not FMP. Update language to evaluate
031000282	Tobin trail Drainage Analysis	Evaluate results from the Tobin Trail Drainage Study. This study identified mitigation options to determine what solutions can be provided to eliminate or reduce flooding that occurs in Tobin Trail.	Dallas	Project Planning	City of Garland	Y		Look at it as FME, not FMP. Update language to evaluate
031000283	Whites Bayou/Spring Branch Flood Study	Flood study north of I-10 through Hankamer	Chambers	Watershed Planning	Chambers County	Y		
031000284	Predicted Maximum Probable Inundation Map	Use NWS gage height forecasts from the River Forecast Center to generate a potential floodplain along the main stem of the Trinity River.		Watershed Planning	Trinity River Authority	Y		
031000285	Headwaters of South Fork Trinity River Tributaries Through Hudson Oaks	Study to determine flooding issues and potential future projects.	Parker	Watershed Planning	Hudson Oaks	Y		
031000286	Headwaters of Clear Fork Trinity River Tributaries Through Hudson Oaks	Study to determine flooding issues and potential future projects.	Parker	Watershed Planning	Hudson Oaks	Y		
031000287	Headwaters of Willow Creek Regulatory Floodplain Determination Study	Mapping study for Headwaters of Willow Creek through Mansfield ETJ.	Tarrant	Watershed Planning	Mansfield	Y		
031000288	Mountain Creek and Tribs Regulatory Floodplain Determination Study	Mapping study for Mountain Creek and Tribs through Mansfield ETJ.	Johnson,Ellis	Watershed Planning	Mansfield	Y		

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000289	Hogpen Creek and Detention Facilities H&H Modeling Update	Detailed headwaters study completed with detention. Needs a connectivity H&H modeling with identified detention.	Tarrant	Watershed Planning	Mansfield	Y		
031000290	Rock Creek Watershed Study	Study to improve knowledge of flood risks and facilitate the analysis of proposed developments within or adjacent to the floodplain.	Johnson	Watershed Planning	City of Burleson	Y		
031000291	Walnut Creek Watershed Study	Study to improve knowledge of flood risks and facilitate the analysis of proposed developments within or adjacent to the floodplain.	Johnson	Watershed Planning	City of Burleson	Y		
031000292	North Creek Watershed Study	Study to improve knowledge of flood risks and facilitate the analysis of proposed developments within or adjacent to the floodplain.	Johnson,Tarrant	Watershed Planning	City of Burleson	Y		
031000293	Quil Miller Creek Watershed Study	Study to improve knowledge of flood risks and facilitate the analysis of proposed developments within or adjacent to the floodplain.	Johnson	Watershed Planning	City of Burleson	Y		
031000294	Hurst Creek Watershed Study	Study to improve knowledge of flood risks and facilitate the analysis of proposed developments within or adjacent to the floodplain.	Johnson	Watershed Planning	City of Burleson	Y		
031000295	City of Wilmer FMP	Evaluate City and identify future projects.	Dallas	Watershed Planning	City of Wilmer	Y		
031000296	Alta Mesa Branch at Persimmon Road	Evaluate bridge improvements for Persimmon Road over Alta Mesa Branch	Dallas	Engineering Project Planning	Dallas	Y/?		
031000297	Alta Mesa Branch at Simpson Stuart Road	Evaluate culvert improvements for Simpson Stuart Road over Alta Mesa Branch	Dallas	Engineering Project Planning	Dallas	Y/?		
031000298	Alta Mesa Branch at Tracy Road	Evaluate bridge improvements: Tracy Road over Alta Mesa Branch	Dallas	Engineering Project Planning	Dallas	Y/?		
031000299	Ricketts Branch at Camp Wisdom Road	Evaluate bridge improvements for Camp Wisdom Road over Ricketts Branch (2 structures)	Dallas	Engineering Project Planning	Dallas	Y/?		
031000300	Ricketts Branch at IH 35E Service	Evaluate bridge improvements for IH 35E over Ricketts Branch	Dallas	Engineering Project Planning	Dallas	Y/?		
031000301	Runyon Springs Branch at Crouch Road	Evaluate bridge improvements for Crouch Road over Runyon Springs Branch	Dallas	Engineering Project Planning	Dallas	Y/?		
031000302	Whites Branch at Langdon Road	Evaluate bridge improvements for Langdon Road over Whites Branch	Dallas	Engineering Project Planning	Dallas	Y/?		
031000303	Wilson Branch at Bonnie View Road	Evaluate bridge improvements for Bonnie View Road over Wilson Branch	Dallas	Engineering Project Planning	Dallas	Y/?		
031000304	Wilson Branch at J J Lemmon Road	Evaluate bridge improvements for J J Lemmon Road over Wilson Branch	Dallas	Engineering Project Planning	Dallas	Y/?		

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000305	Wilson Branch at Tioga Street	Evaluate bridge improvements for Tioga Street over Wilson Branch	Dallas	Engineering Project Planning	Dallas	Y/?		
031000306	Woody Branch at Loop 12	Evaluate bridge improvements for Loop 12 over Woody Branch	Dallas	Engineering Project Planning	Dallas	Y/?		
031000307	Hutchins Creek at Denton Street	Evaluate culvert improvements for Denton Street over Hutchins Creek	Dallas	Engineering Project Planning	Hutchins	Y/?		
031000308	Hutchins Creek at J J Lemmon Street	Evaluate bridge improvements for J J Lemmon Street over Hutchins Creek	Dallas	Engineering Project Planning	Hutchins	Y/?		
031000309	Hutchins Creek at Main Street	Evaluate bridge improvements for Main Street over Hutchins Creek	Dallas	Engineering Project Planning	Hutchins	Y/?		
031000310	Rawlins Creek at Dowdy Ferry Road	Evaluate bridge improvements for Dowdy Ferry Road over Rawlins Creek	Dallas	Engineering Project Planning	Hutchins	Y/?		
031000311	Rawlins Creek at IH 45	Evaluate bridge improvements for IH 45 over Rawlins Creek	Dallas	Engineering Project Planning	Hutchins	Y/?		
031000312	Rawlins Creek at Main Street	Evaluate bridge improvements for Main Street over Rawlins Creek	Dallas	Engineering Project Planning	Hutchins	Y/?		
031000313	Stream 4A4 at Goode Road	Evaluate bridge improvements for Goode Road over Stream 4A4	Dallas	Engineering Project Planning	Hutchins	Y/?		
031000314	Stream 4A4 at IH 45	Evaluate bridge improvements for IH 45 over Stream 4A4	Dallas	Engineering Project Planning	Hutchins	Y/?		
031000315	Stream 4B4 at Austin Street	Evaluate culvert improvements for Austin Street over Stream 4B4	Dallas	Engineering Project Planning	Hutchins	Y/?		
031000316	Stream 4B4 at Crestridge Drive	Evaluate culvert improvements for Crestridge Drive over Stream 4B4	Dallas	Engineering Project Planning	Hutchins	Y/?		
031000317	Stream 4B4 at Denton Street	Evaluate culvert improvements for Denton Street over Stream 4B4	Dallas	Engineering Project Planning	Hutchins	Y/?		
031000318	Halls Branch at 1st Street	Evaluate bridge improvements for 1st Street over Halls Branch	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000319	Halls Branch at 4th Street	Evaluate bridge improvements for 4th Street over Halls Branch	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000320	Halls Branch at 6th Street	Evaluate bridge improvements for 6th Street over Halls Branch	Dallas	Engineering Project Planning	Lancaster	Y/?		

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000321	Halls Branch at Cedar Street	Evaluate bridge improvements for Cedar Street over Halls Branch	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000322	Halls Branch at Main Street	Evaluate bridge improvements for Main Street over Halls Branch	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000323	Halls Branch at Redbud Lane	Evaluate bridge improvements for Redbud Lane over Halls Branch	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000324	Keller Branch at Jefferson Street	Evaluate bridge improvements for Jefferson Street over Keller Branch	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000325	Keller Branch at Main Street	Evaluate bridge improvements for Main Street over Keller Branch	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000326	Keller Branch at Pleasant Run Road	Evaluate bridge improvements for Pleasant Run Road over Keller Branch	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000327	Mill Branch at Houston School Road	Evaluate bridge improvements for Houston School Road over Mill Branch	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000328	Mill Branch at Wintergreen Road	Evaluate bridge improvements for Wintergreen Road over Mill Branch	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000329	Stream 3A1 at Ten Mile Road	Evaluate bridge improvements for Ten Mile Road over Stream 3A1	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000330	Stream 3A6 at Belt Line Road	Evaluate bridge improvements for Belt Line Road over Stream 3A6	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000331	Ten Mile Creek at Bluegrove Road	Evaluate bridge improvements for Bluegrove Road over Ten Mile Creek	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000332	Ten Mile Creek at Houston School Road	Evaluate bridge improvements for Houston School Road over Ten Mile Creek	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000333	Ten Mile Creek at IH 35E Service	Evaluate bridge improvements for IH 35E Service over Ten Mile Creek	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000334	Ten Mile Creek at IH 35E Service (County Highway 1382)	Evaluate bridge improvements for IH 35E Service (County Highway 1382) over Ten Mile Creek	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000335	Ten Mile Creek at Nokomis Road	Evaluate bridge improvements for Nokomis Road over Ten Mile Creek	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000336	Ten Mile Creek at Old Red Oak Road	Evaluate bridge improvematts for Road over Ten Mile Creek at Old Red	Dallas	Engineering Project Planning	Lancaster	Y/?		

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000337	Ten Mile Creek at SH 342	Evaluate bridge improvements for SH 342 over Ten Mile Creek	Dallas	Engineering Project Planning	Lancaster	Y/?		
031000338	Cottonwood Creek of Ten Mile Creek at Goode Road	Evaluate bridge improvements for Goode Road over Cottonwood Creek of Ten Mile Creek	Dallas	Engineering Project Planning	Wilmer	Y/?		
031000339	Cottonwood Creek of Ten Mile Creek at IH 45	Evaluate bridge improvements for IH 45 over Cottonwood Creek of Ten Mile Creek	Dallas	Engineering Project Planning	Wilmer	Y/?		
031000340	Cottonwood Creek of Ten Mile Creek at IH 45 Northbound Service Road	Evaluate bridge improvements for IH 45 Northbound Service Road over Cottonwood Creek of Ten Mile Creek	Dallas	Engineering Project Planning	Wilmer	Y/?		
031000341	Cottonwood Creek of Ten Mile Creek at IH 45 Southbound Service Road	Evaluate bridge improvements for IH 45 Southbound Service Road over Cottonwood Creek of Ten Mile Creek	Dallas	Engineering Project Planning	Wilmer	Y/?		
031000342	Cottonwood Creek of Ten Mile Creek at Kissell (College) Road	Evaluate bridge improvements for Kissell (College) Road over Cottonwood Creek of Ten Mile Creek	Dallas	Engineering Project Planning	Wilmer	Y/?		
031000343	Cottonwood Creek of Ten Mile Creek at Millers Ferry Road	Evaluate bridge improvements for Millers Ferry Road over Cottonwood Creek of Ten Mile Creek	Dallas	Engineering Project Planning	Wilmer	Y/?		
031000344	Cottonwood Creek of Ten Mile Creek at Pleasant Run Road	Evaluate bridge improvements for Pleasant Run Road over Cottonwood Creek of Ten Mile Creek	Dallas	Engineering Project Planning	Wilmer	Y/?		
031000345	Stream 4A1 at Goode Road	Evaluate bridge improvements for Goode Road over Stream 4A1	Dallas	Engineering Project Planning	Wilmer	Y/?		
031000346	Stream 4A5 at Goode Road	Evaluate bridge improvements for Goode Road over Stream 4A5	Dallas	Engineering Project Planning	Wilmer	Y/?		
031000347	Stream 4A5 at IH 45	Evaluate bridge improvements for IH 45 over Stream 4A5	Dallas	Engineering Project Planning	Wilmer	Y/?		
031000348	Ten Mile Creek at Ferris Road	Evaluate bridge improvements for Ferris Road over Ten Mile Creek	Dallas	Engineering Project Planning	Wilmer	Y/?		
031000349	Stream 4A4 at Fulghum Road	Evaluate bridge improvements for Fulghum Road over Stream 4A4	Dallas	Engineering Project Planning	Dallas County	Y/?		
031000350	Stream 4A1 at Geller Road	Evaluate bridge improvements for Geller Road over Stream 4A1	Dallas	Engineering Project Planning	Dallas County	Y/?		
031000351	Ten Mile Creek at Parkinson Road	Evaluate bridge improvements for Parkinson Road over Ten Mile Creek	Dallas	Engineering Project Planning	Dallas County	Y/?		
031000352	City of Hutchins DMP	Evaluate city and identify future projects.	Dallas	Watershed Planning - Drainage Master Plan	Dallas County	Y		

Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
031000353	City of Seagoville DMP	Evaluate city and identify future projects.	Dallas	Watershed Planning - Drainage Master Plan	Dallas County	Y		

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG									
FME ID	FME Name	Description	Associated Goal No.	Counties	Study Type	FME Area (sqmi)	Flood Risk Type	Estimated Study Cost (2020 \$)	Sponsor
031000001	Archer County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Archer	Watershed Planning - Flood Mapping Updates	923		\$ 1,254,000	Archer County
031000002	Anderson County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Anderson	Watershed Planning - Flood Mapping Updates	1073		\$ 1,500,000	Anderson County
031000003	Chambers County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Chambers	Watershed Planning - Flood Mapping Updates	630		\$ 629,000	Chambers County
031000004	Clay County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Clay	Watershed Planning - Flood Mapping Updates	1108		\$ 1,470,000	Clay County
031000005	Collin County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Collin	Watershed Planning - Flood Mapping Updates	883		\$ 1,041,000	Collin County
031000006	Cooke County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Cooke	Watershed Planning - Flood Mapping Updates	893		\$ 1,133,000	Cooke County
031000007	Denton County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Denton	Watershed Planning - Flood Mapping Updates	948		\$ 1,140,000	Denton County
031000008	Ellis County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Ellis	Watershed Planning - Flood Mapping Updates	948		\$ 1,182,000	Ellis County
031000009	Fannin County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Fannin	Watershed Planning - Flood Mapping Updates	897		\$ 1,183,000	Fannin County
031000010	Freestone County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Freestone	Watershed Planning - Flood Mapping Updates	888		\$ 1,201,000	Freestone County
031000011	Grayson County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Grayson	Watershed Planning - Flood Mapping Updates	976		\$ 1,228,000	Grayson County
031000012	Grimes County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Grimes	Watershed Planning - Flood Mapping Updates	799		\$ 1,334,000	Grimes County
031000013	Henderson County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Henderson	Watershed Planning - Flood Mapping Updates	945		\$ 1,295,000	Henderson County
031000014	Hill County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Hill	Watershed Planning - Flood Mapping Updates	982		\$ 1,272,000	Hill County
031000015	Hood County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Hood	Watershed Planning - Flood Mapping Updates	439		\$ 539,000	Hood County
031000016	Houston County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Houston	Watershed Planning - Flood Mapping Updates	1232		\$ 1,809,000	Houston County
031000017	Hunt County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Hunt	Watershed Planning - Flood Mapping Updates	879		\$ 1,064,000	Hunt County
031000018	Jack County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Jack	Watershed Planning - Flood Mapping Updates	917		\$ 1,122,000	Jack County
031000019	Johnson County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Johnson	Watershed Planning - Flood Mapping Updates	731		\$ 977,000	Johnson County
031000020	Kaufman County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Kaufman	Watershed Planning - Flood Mapping Updates	804		\$ 985,000	Kaufman County
031000021	Leon County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Leon	Watershed Planning - Flood Mapping Updates	1076		\$ 1,503,000	Leon County
031000022	Liberty County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Liberty	Watershed Planning - Flood Mapping Updates	1169		\$ 1,214,000	Liberty County
031000023	Limestone County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Limestone	Watershed Planning - Flood Mapping Updates	929		\$ 1,272,000	Limestone County
031000024	Madison County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Madison	Watershed Planning - Flood Mapping Updates	470		\$ 724,000	Madison County
031000025	Montague County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Montague	Watershed Planning - Flood Mapping Updates	933		\$ 1,203,000	Montague County
031000026	Navarro County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Navarro	Watershed Planning - Flood Mapping Updates	1081		\$ 1,482,000	Navarro County
031000027	Parker County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Parker	Watershed Planning - Flood Mapping Updates	903		\$ 1,144,000	Parker County

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG (cont.)

FME ID (cont.)	FME Name2	Entities with Oversight	HUC8s	HUC12s	Watersheds	Emergency Need	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
031000001	Archer County FEMA Mapping	00000185,00000185,00000194,00000223,00000253	12030101	120301010103, 120301010107, 120301010101, 120301010102	03000008,03000008,03000012,03000006,03000007			1	0	5	0	0		4.2	3135.9		
031000002	Anderson County FEMA Mapping	00000128,00000128,00000132,00000143,00000156,00000164	12030105, 12030201	120302020407, 120302020405, 120302020409, 120302020501, 120302020502	03000194,03000194,03000330,03000343,03000344,03000345,03000346,03000347,03000348,03000349,03000350,03000351,03000352,03000353,03000354,03000355,03000356,03000357,03000358,03000359,03000371,03000372			164	61	102	0	27		23.4	26699.3		
031000003	Chambers County FEMA Mapping	00000013,00000013,00000033	12030203	120302030203, 120302030204, 120302030304, 120302030306	03000461,03000461,03000462,03000466,03000468			1389	757	2792	0	0		33.0	3613.5		
031000004	Clay County FEMA Mapping	00000191,00000191,00000194,00000223,00000253	12030101	120301010204, 120301010207, 120301010107, 120301010201, 120301010202, 120301010501, 120301010502	03000016,03000016,03000003,03000012,03000013,03000014,03000032,03000033			32	0	13	0	0		18.6	6440.7		
031000005	Collin County FEMA Mapping	00000175,00000175,00000188,00000190,00000207,03000208,00000212,03000225	12030103, 12030105, 12030106	120302030203, 120302030204, 120302030304, 120302030306	03000461,03000461,03000462,03000466,03000468			2311	1642	21104	0	192		112.9	26457.1		
031000006	Cooke County FEMA Mapping	00000189,00000189,00000190,00000191,03000208,03000209	12030103, 12030104	120302020407, 120302020405, 120302020409, 120302020501, 120302020502	03000194,03000194,03000330,03000343,03000344,03000345,03000346,03000347,03000348,03000349,03000350,03000351,03000352,03000353,03000354,03000355,03000356,03000357,03000358,03000359,03000371,03000372			1383	781	2728	0	102		65.6	23967.8		
031000007	Denton County FEMA Mapping	00000190,00000190,00000207,03000208,03000224,03000225	12030103, 12030104, 12030105	120302030203, 120302030204, 120302030304, 120302030306	03000461,03000461,03000462,03000466,03000468			4350	2234	19275	0	300		210.2	43641.2		
031000008	Ellis County FEMA Mapping	00000104,00000104,03000105,00000108,00000161,03000163,00000164,03000224,03000225	12030102, 12030105, 12030108, 12030109	120301030201, 120301030202, 120301030304, 120301030203, 120301030204, 120301030205, 120301030206, 120301030701, 120301030704, 120301030702, 120301060105, 120301060201, 120301060202, 120301060104, 120301060204, 120301060301, 120301060302	03000186,03000186,03000189,03000192,03000193,03000194,03000198,03000200,03000201,03000202,03000239,03000258,03000259,03000260,03000261,03000262,03000263,03000264,03000265,03000266,03000267,03000341,03000342,03000343,03000344,03000345			1638	1044	5423	0	215		142.5	66920.7		
031000009	Fannin County FEMA Mapping	00000188,00000188,00000190,00000207,00000212	12030106	120301060101, 120301060102, 120301060103, 120301060105	03000207,03000207,03000208,03000209,03000210			129	102	88	0	0		3.4	1253.4		
031000010	Freestone County FEMA Mapping	00000132,00000132,00000137,00000143,00000156,03000163,00000164	12030105, 12030108, 12030201	120301010204, 120301010207, 120301010107, 120301010201, 120301010202, 120301010501, 120301010502	03000016,03000016,03000003,03000012,03000013,03000014,03000032,03000033			370	97	247	0	4		37.2	33415.4		
031000011	Grayson County FEMA Mapping	00000188,00000188,00000189,00000190,00000207,03000208	12030103, 12030106	120301030201, 120301030202, 120301030304, 120301030203, 120301030204, 120301030205, 120301030206, 120301030701, 120301030704, 120301030702, 120301060105, 120301060201, 120301060202, 120301060104, 120301060204, 120301060301, 120301060302	03000103,03000103,03000104,03000108,03000120,03000121,03000122,03000123,03000129,03000131,03000132,03000210,03000211,03000212,03000213,03000215,03000220,03000221			312	236	458	0	2		34.9	11267.0		
031000012	Grimes County FEMA Mapping	00000044,00000044,00000053,00000055	12030202	120302020407, 120302020405, 120302020409, 120302020501, 120302020502	03000374,03000374,03000394,03000397,03000398,03000399			100	39	55	0	0		6.3	6443.6		
031000013	Henderson County FEMA Mapping	03000105,03000105,00000108,00000110,00000143,00000156,03000163,00000164	12030105, 12030107, 12030201	120301030201, 120301030202, 120301030304, 120301030203, 120301030204, 120301030205, 120301030206, 120301030701, 120301030704, 120301030702, 120301060105, 120301060201, 120301060202, 120301060104, 120301060204, 120301060301, 120301060302	03000186,03000186,03000189,03000192,03000193,03000194,03000198,03000200,03000201,03000202,03000239,03000258,03000259,03000260,03000261,03000262,03000263,03000264,03000265,03000266,03000267,03000341,03000342,03000343,03000344,03000345			2484	1069	2739	0	41		34.2	27475.8		
031000014	Hill County FEMA Mapping	00000104,00000104,03000105,00000108,00000161,03000163	12030108, 12030109	120301080101, 120301080102, 120301080103, 120301080104, 120301080105, 120301080106, 120301080107, 120301080108, 120301080109, 120301080110, 120301080201, 120301080203, 120301080301, 120301090108, 120301090204, 120301090106, 120301090107	03000268,03000268,03000269,03000270,03000271,03000272,03000273,03000274,03000275,03000276,03000277,03000278,03000280,03000284,03000305,03000309,03000318,03000319			46	21	105	0	0		11.8	14819.3		
031000015	Hood County FEMA Mapping	00000103,00000103,00000104,00000122	12030102	120301020301	03000065,03000065										16.7		
031000016	Houston County FEMA Mapping	00000053,00000053,00000055,00000060,00000128,00000132,00000156	12030201, 12030202	120301020301	03000327,03000327,03000328,03000329,03000330,03000358,03000371,03000372,03000373,03000384,03000385,03000386,03000387,03000388,03000390,03000406,03000407,03000408,03000409,03000410,03000411,03000412,03000413,03000414,03000416,03000417,03000428			435	200	343	0	71		42.8	62056.9		
031000017	Hunt County FEMA Mapping	00000108,00000108,00000110,00000117,00000188,00000207,00000212	12030106, 12030107	120301060101, 120301060102, 120301070102	03000207,03000207,03000208,03000241			15	10	6	0	0		2.3	1356.5		
031000018	Jack County FEMA Mapping	00000122,00000122,00000185,00000191,00000194,03000209,00000223,00000253	12030101	120301060101, 120301060102, 120301070102	03000001,03000001,03000008,03000016,03000009,03000017,03000002,03000010,03000011,03000003,03000018,03000012,03000013,03000004,03000019,03000014,03000020,03000015,03000021,03000026,03000022,03000027,03000007,03000023,03000029,03000025,03000033,03000040			158	41	135	0	24		30.8	18515.3		
031000019	Johnson County FEMA Mapping	00000103,00000103,00000104,03000105,00000122,00000161,03000224	12030102, 12030109	120301020301, 120301020302, 120301020303, 120301020304, 120301020401, 120301020402, 120301020601, 120301020602, 120301020603, 120301020604, 120301020605, 120301090101, 120301090102, 120301090103, 120301090106, 120301090107	03000065,03000065,03000066,03000067,03000068,03000072,03000073,03000087,03000088,03000089,03000090,03000091,03000313,03000314,03000315,03000318,03000319			1467	1072	4645	0	108		50.2	11546.1		
031000020	Kaufman County FEMA Mapping	03000105,03000105,00000108,00000110,00000164,00000175,00000212,03000225	12030105, 12030106, 12030107	120301020301, 120301020302, 120301020303, 120301020304, 120301020401, 120301020402, 120301020601, 120301020602, 120301020603, 120301020604, 120301020605, 120301090101, 120301090102, 120301090103, 120301090106, 120301090107	03000065,03000065,03000066,03000067,03000068,03000072,03000073,03000087,03000088,03000089,03000090,03000091,03000313,03000314,03000315,03000318,03000319			1321	754	3174	0	65		85.8	69794.8		
031000021	Leon County FEMA Mapping	00000055,00000055,00000128,00000132,00000137,00000143,00000156	12030201, 12030202	120301020301, 120301020302, 120301020303, 120301020304, 120301020401, 120301020402, 120301020601, 120301020602, 120301020603, 120301020604, 120301020605, 120301090101, 120301090102, 120301090103, 120301090106, 120301090107	03000330,03000330,03000357,03000359,03000360,03000362,03000363,03000364,03000365,03000369,03000370,03000371,03000375,03000376,03000377,03000378,03000379,03000380,03000381,03000382,03000383,03000384,03000387,03000389,03000390,03000391			408	7	305	0	20		41.0	46639.4		
031000022	Liberty County FEMA Mapping	00000013,00000013,00000033,00000043,00000058,00000035	12030202, 12030203	120301020301, 120301020302, 120301020303, 120301020304, 120301020401, 120301020402, 120301020601, 120301020602, 120301020603, 120301020604, 120301020605, 120301090101, 120301090102, 120301090103, 120301090106, 120301090107	03000448,03000448,03000449,03000450,03000451,03000452,03000453,03000454,03000455,03000456,03000457,03000458,03000459,03000460,03000461,03000462,03000463,03000464,03000465,03000466,03000467,03000468			4767	2823	5843	0	14		157.2	38982.2		
031000023	Limestone County FEMA Mapping	00000132,00000132,00000137,00000143,00000161,03000163	12030108, 12030201	120301080301, 120301080302, 120301080303, 120301080304, 120301080305, 120301080306, 120301080307, 120301080308, 120301080309, 120301080310, 120301080311, 120301080312, 120301080313, 120301080314, 120301080315, 120301080316, 120301080317, 120301080318, 120301080319, 120301080320, 120301080321, 120301080322, 120301080323, 120301080324, 120301080325, 120301080326, 120301080327, 120301080328, 120301080329, 120301080330, 120301080331, 120301080332, 120301080333, 120301080334, 120301080335, 120301080336, 120301080337, 120301080338, 120301080339, 120301080340, 120301080341, 120301080342, 120301080343, 120301080344, 120301080345, 120301080346, 120301080347, 120301080348, 120301080349, 120301080350, 120301080351, 120301080352, 120301080353, 120301080354, 120301080355, 120301080356, 120301080357, 120301080358, 120301080359, 120301080360, 120301080361, 120301080362, 120301080363, 120301080364, 120301080365, 120301080366, 120301080367, 120301080368, 120301080369, 120301080370, 120301080371, 120301080372, 120301080373, 120301080374, 120301080375, 120301080376, 120301080377, 120301080378, 120301080379, 120301080380, 120301080381, 120301080382, 120301080383, 120301080384, 120301080385, 120301080386, 120301080387, 120301080388, 120301080389, 120301080390, 120301080391, 120301080392, 120301080393, 120301080394, 120301080395, 120301080396, 120301080397, 120301080398, 120301080399, 120301080400, 120301080401, 120301080402, 120301080403, 120301080404, 120301080405, 120301080406, 120301080407, 120301080408, 120301080409, 120301080410, 120301080411, 120301080412, 120301080413, 120301080414, 120301080415, 120301080416, 120301080417, 120301080418, 120301080419, 120301080420, 120301080421, 120301080422, 120301080423, 120301080424, 120301080425, 120301080426, 120301080427, 120301080428, 120301080429, 120301080430, 120301080431, 120301080432, 120301080433, 120301080434, 120301080435, 120301080436, 120301080437, 120301080438, 120301080439, 120301080440, 120301080441, 120301080442, 120301080443, 120301080444, 120301080445, 120301080446, 120301080447, 120301080448, 120301080449, 120301080450, 120301080451, 120301080452, 120301080453, 120301080454, 120301080455, 12													

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	Study Type	FME Area (sqmi)	Flood Risk Type	Estimated Study Cost (2020 \$)	Sponsor
031000028	Polk County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Polk	Watershed Planning - Flood Mapping Updates	1106		\$1,560,000	Polk County
031000029	Rockwall County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Rockwall	Watershed Planning - Flood Mapping Updates	148		\$252,000	Rockwall County
031000030	San Jacinto County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	San Jacinto	Watershed Planning - Flood Mapping Updates	626		\$907,000	San Jacinto County
031000031	Trinity County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Trinity	Watershed Planning - Flood Mapping Updates	710		\$989,000	Trinity County
031000032	Van Zandt County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Van Zandt	Watershed Planning - Flood Mapping Updates	856		\$1,272,000	Van Zandt County
031000033	Walker County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Walker	Watershed Planning - Flood Mapping Updates	798		\$1,276,000	Walker County
031000034	Wise County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Wise	Watershed Planning - Flood Mapping Updates	920		\$1,317,000	Wise County
031000035	Young County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA mapping as needed.	03000005, 03000006	Young	Watershed Planning - Flood Mapping Updates	927		\$1,407,000	Young County
031000036	East Fork Trinity HUC-8 - East Fork Trinity and Tributaries Flood Risk Identification	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Grayson , Fannin , Hunt , Collin , Rockwall , Dallas , Kaufman	Watershed Planning	1299		\$-	NCTCOG
031000037	Denton HUC-8 - Hog Branch Flood Risk Identification	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	03000005, 03000006	Denton	Watershed Planning	717		\$-	NCTCOG
031000038	Collin County Dam Inundation Study	Inundation studies of all high and moderate hazard dams	03000009, 03000010, 03000029, 03000030	Collin	Watershed Planning - Flood Mapping Updates - Dam Failure	883		\$1,718,000	Collin County
031000039	Chambers County Dam/Levee Failure Inundation Map Updates	Update dam and levee failure inundation maps.	03000009, 03000010, 03000029, 03000030	Chambers	Watershed Planning - Flood Mapping Updates - Dam Failure	630		\$227,000	Chambers County, Anahuac, Beach City, Mount Belvieu, Cove, Chambers Liberty Counties Navigation District, and Old-River-Winfree
031000040	Dallas County Dam Inundation Study	Conduct studies to develop dam inundation maps and models	03000009, 03000010, 03000029, 03000030	Dallas	Watershed Planning - Flood Mapping Updates - Dam Failure	905		\$915,000	Dallas County
031000041	Lake Ray Hubbard and Duck Creek Tributary Inundation Study	Conduct studies to develop inundation maps for Lake Ray Hubbard and Duck Creek Tributary and how it affects the Town of Sunnyvale.	03000005, 03000006, 03000007, 03000008	Dallas	Watershed Planning - Flood Mapping Updates - Dam Failure	42		\$86,000	Town of Sunnyvale
031000042	Denton County Dam Inundation Study	Inundation studies of all high and moderate hazard dams	03000009, 03000010, 03000029, 03000030	Denton	Watershed Planning - Flood Mapping Updates - Dam Failure	948		\$990,000	Denton County
031000043	Ellis County Dam Inundation Study	Inundation studies of all high and moderate hazard dams	03000009, 03000010, 03000029, 03000030	Ellis	Watershed Planning - Flood Mapping Updates - Dam Failure	948		\$1,423,000	Ellis County, Alma, Bardwell, Ennis, Ferris, Garrett, Italy, Maypearl, Midlothian, Milford, Oak Leaf, Ovilla, Palmer, Red Oak, Waxahachie
031000044	Madison County Dam Inundation Study	Create dam failure inundation maps	03000009, 03000010, 03000029, 03000030	Madison	Watershed Planning - Flood Mapping Updates - Dam Failure	470		\$342,000	Madison County
031000045	Navarro County Dam Inundation Study	Conduct inundation studies of all high and moderate hazard dams.	03000009, 03000010, 03000029, 03000030	Navarro	Watershed Planning - Flood Mapping Updates - Dam Failure	1081		\$1,382,000	Navarro County, Corsicana, Kerens
031000046	Parker County Dam Inundation Study	Conduct a dam inundation study	03000009, 03000010, 03000029, 03000030	Parker	Watershed Planning - Flood Mapping Updates - Dam Failure	903		\$858,000	Parker County, Willow Park
031000047	Tarrant County Dam Inundation Study	Identify and evaluate high hazard dams.	03000009, 03000010, 03000029, 03000030	Tarrant	Watershed Planning - Flood Mapping Updates - Dam Failure	900		\$964,000	Fort Worth, Tarrant County
031000048	Irving Levee District Flood Risk Assessment	Conduct review of the area in the four levee districts that would be inundated by a levee failure. Analyze all available routes out of the Levee Districts and any new streets that would not be flooded.	03000009, 03000010, 03000031, 03000032	Dallas	Watershed Planning - Flood Mapping Updates - Levee Failure	68		\$-	Irving
031000049	West Fork of the Trinity River Levee Failure Hydrologic Study	Hydrologic study to determine threat, risk, and potential impacts of flooding from levee failure along the West Fork of the Trinity River.	03000009, 03000010, 03000031, 03000032	Tarrant	Watershed Planning - Flood Mapping Updates - Levee Failure	2104		\$-	River Oaks
031000050	City of Lavon DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Collin	Watershed Planning - Drainage Master Plan	3		\$250,000	Lavon
031000051	University Park DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Dallas	Watershed Planning - Drainage Master Plan	4		\$500,000	University Park
031000052	City of Rowlett DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Dallas	Watershed Planning - Drainage Master Plan	21		\$500,000	Rowlett
031000053	City of Richardson DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Dallas	Watershed Planning - Drainage Master Plan	29		\$1,000,000	Richardson
031000054	City of Cockrell Hill DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Dallas	Watershed Planning	1		\$250,000	Cockrell Hill
031000055	City of Aubrey DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Denton	Watershed Planning - Drainage Master Plan	3		\$250,000	Aubrey
031000056	City of Argyle DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Denton	Watershed Planning - Drainage Master Plan	12		\$250,000	Argyle
031000057	City of Maypearl DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Ellis	Watershed Planning - Drainage Master Plan	1		\$250,000	Maypearl

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG (cont.)

FME ID (cont.)	FME Name2	Entities with Oversight	HUC8s	HUC12s	Watersheds	Emergency Need	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
031000028	Polk County FEMA Mapping	00000033,00000033,00000047,00000058,00000065,00000035	12030202	120301010401,120301010501,120301010502,120301010503,120301010504,120301010505,120301010506,120301010507,120301010508,120301030501,120301030502,120301030503,120301030505,120301040103,120301040104,120301040105,120301040101,120301040102	03000423,03000423,03000424,03000425,03000426,03000433,03000434,03000435,03000436,03000437,03000439,03000440,03000441,03000442,03000443,03000445,03000446,03000447,03000448,03000449,03000450			4142	2537	5769	0	12		57.2	13195.0		
031000029	Rockwall County FEMA Mapping	00000108,00000108,00000175,00000207,00000212,03000225	12030106,12030107	120301060402,120301060403,120301060401,120301060409,120301060502,120301070101,120301070102	03000204,03000204,03000205,03000226,03000231,03000233,03000240,03000241			485	306	1614	0	57		26.2	3567.3		
031000030	San Jacinto County FEMA Mapping	00000033,00000033,00000047,00000053,00000058,00000065	12030202,12030203	120302020807,120302021101,120302021103,120302021104,120302021105,120302021106,120302021201,120302021207,120302030001	03000432,03000432,03000438,03000440,03000441,03000442,03000443,03000444,03000450,03000452			2701	2159	2942	0	0		64.9	9921.4		
031000031	Trinity County FEMA Mapping	00000047,00000047,00000053,00000058,00000065,00000128	12030202	120302020703,120302020705,120302020707,120302020708,120302020709,120302020710,120302020711,120302020712,120302020713,120302020901,120302020903,120302020806,120302020807,120302020902,120302021102,120302021103	03000411,03000411,03000413,03000415,03000416,03000417,03000418,03000419,03000420,03000421,03000423,03000424,03000431,03000432,03000433,03000439,03000440			1302	875	1734	0	5		25.1	6233.8		
031000032	Van Zandt County FEMA Mapping	00000108,00000108,00000110,00000164,00000212	12030107	120301070302,120301070202,120301070203,120301070204,120301070205,120301070301,120301070304,120301070305,120301070306,120301070307	03000239,03000239,03000252,03000253,03000254,03000255,03000257,03000259,03000260,03000261,03000262			256	124	242	0	10		19.3	13004.3		
031000033	Walker County FEMA Mapping	00000044,00000044,00000047,00000053,00000055,00000065,00000128	12030202	120302020409,120302020501,120302020502,120302020504,120302020505,120302020506,120302020507,120302020603,120302020604,120302020708,120302020713,120302020801,120302020802,120302020803,120302020804,120302020805,120302020806,120302020807	03000397,03000397,03000398,03000399,03000401,03000402,03000403,03000404,03000407,03000408,03000416,03000421,03000422,03000427,03000428,03000429,03000430,03000431,03000432,03000433,03000439,03000440			1398	1008	4683	0	18		36.4	25182.0		
031000034	Wise County FEMA Mapping	00000122,00000122,00000189,00000191,03000208,03000209,03000224,00000253	12030101,12030102,12030103,12030104	120302020409,120302020501,120302020502,120302020504,120302020505,120302020506,120302020507,120302020603,120302020604,120302020708,120302020713,120302020801,120302020802,120302020803,120302020804,120302020805,120302020806,120302020807	03000397,03000397,03000398,03000399,03000401,03000402,03000403,03000404,03000407,03000408,03000416,03000421,03000422,03000427,03000428,03000429,03000430,03000431,03000432,03000433,03000439,03000440			1741	1031	3134	0	18		65.9	40383.5		
031000035	Young County FEMA Mapping	00000185,00000185,00000223,00000253	12030101	120301010103,120301010104,120301010105,120301010101,120301010102	03000008,03000008,03000009,03000010,03000006,03000007			11	2	0	0	0		5.7	2330.9		
031000036	East Fork Trinity HUC-8 - East Fork Trinity and Tributaries Flood Risk Identification	03000105,03000105,00000108,00000110,00000164,00000175,00000188,00000189,00000190,00000207,03000208,00000212,03000224,03000225	12030102,12030103,12030104,12030105,12030106,12030107,12030109	120301010103,120301010104,120301010105,120301010101,120301010102	03000008,03000008,03000009,03000010,03000006,03000007			25480	18200	432500	0	2101		952.4	141282.7		
031000037	Denton HUC-8 - Hog Branch Flood Risk Identification	00000190,00000190,00000207,03000208,03000224,03000225	12030103,12030104,12030105	120301010103,120301010104,120301010105,120301010101,120301010102	03000008,03000008,03000009,03000010,03000006,03000007			4350	2234	19275	0	300		210.2	43641.2		
031000038	Collin County Dam Inundation Study	00000175,00000175,00000188,00000190,00000207,03000208,00000212,03000225	12030103,12030105,12030106	120301010103,120301010104,120301010105,120301010101,120301010102	03000008,03000008,03000009,03000010,03000006,03000007			2311	1642	21104	0	192		112.9	26457.1		
031000039	Chambers County Dam/Levee Failure Inundation Map Updates	00000013,00000013,00000033	12030203	120302030203,120302030204,120302030304,120302030306	03000461,03000461,03000462,03000466,03000468			1389	757	2792	0	0		33.0	3613.5		
031000040	Dallas County Dam Inundation Study	03000105,03000105,00000108,00000175,00000207,03000208,03000224,03000225	12030102,12030103,12030104,12030105,12030106,12030109	120302030203,120302030204,120302030304,120302030306	03000461,03000461,03000462,03000466,03000468			20907	15150	406056	0	1785		686.9	27586.7		
031000041	Lake Ray Hubbard and Duck Creek Tributary Inundation Study	00000108,00000108,03000225	12030105,12030106	120301050104,120301050105,120301050106,120301060407,120301060408,120301060501,120301060503,120301060504	03000173,03000173,03000174,03000175,03000206,03000230,03000232,03000234,03000235			925	775	8535	0	141		19.0	521.8		
031000042	Denton County Dam Inundation Study	00000190,00000190,00000207,03000208,03000224,03000225	12030103,12030104,12030105	120301050104,120301050105,120301050106,120301060407,120301060408,120301060501,120301060503,120301060504	03000173,03000173,03000174,03000175,03000206,03000230,03000232,03000234,03000235			4350	2234	19275	0	300		210.2	43641.2		
031000043	Ellis County Dam Inundation Study	00000104,00000104,03000105,00000108,00000161,03000163,00000164,03000224,03000225	12030102,12030105,12030108,12030109	120301050104,120301050105,120301050106,120301060407,120301060408,120301060501,120301060503,120301060504	03000173,03000173,03000174,03000175,03000206,03000230,03000232,03000234,03000235			1638	1044	5423	0	215		142.5	66920.7		
031000044	Madison County Dam Inundation Study	00000044,00000044,00000053,00000055,00000128,00000132	12030202	120302020407,120302020203,120302020401,120302020308,120302020402,120302020403,120302020404,120302020405,120302020406,120302020408,120302020409,120302020503,120302020504,120302020505,120302020506,120302020507,120302020601,120302020602,120302020604	03000374,03000374,03000381,03000389,03000390,03000391,03000392,03000393,03000394,03000395,03000396,03000397,03000400,03000401,03000402,03000403,03000404,03000405,03000406,03000408			329	111	542	0	5		29.9	31923.1		
031000045	Navarro County Dam Inundation Study	03000105,03000105,00000137,00000143,00000161,03000163,00000164	12030105,12030107,12030108,12030109,12030201	120302020407,120302020203,120302020401,120302020308,120302020402,120302020403,120302020404,120302020405,120302020406,120302020408,120302020409,120302020503,120302020504,120302020505,120302020506,120302020507,120302020601,120302020602,120302020604	03000374,03000374,03000381,03000389,03000390,03000391,03000392,03000393,03000394,03000395,03000396,03000397,03000400,03000401,03000402,03000403,03000404,03000405,03000406,03000408			1379	544	3461	0	245		110.1	74689.5		
031000046	Parker County Dam Inundation Study	00000103,00000103,00000104,00000122,03000209,03000224,00000253	12030101,12030102	120302020407,120302020203,120302020401,120302020308,120302020402,120302020403,120302020404,120302020405,120302020406,120302020408,120302020409,120302020503,120302020504,120302020505,120302020506,120302020507,120302020601,120302020602,120302020604	03000027,03000027,03000028,03000035,03000038,03000049,03000050,03000051,03000053,03000054,03000055,03000057,03000058,03000059,03000060,03000061,03000062,03000063,03000064,03000065,03000066,03000067,03000069,03000070			1163	389	3365	0	64		39.0	13595.2		
031000047	Tarrant County Dam Inundation Study	00000104,00000104,03000105,00000122,03000208,03000209,03000224,03000225	12030101,12030102,12030103,12030104	120302020407,120302020203,120302020401,120302020308,120302020402,120302020403,120302020404,120302020405,120302020406,120302020408,120302020409,120302020503,120302020504,120302020505,120302020506,120302020507,120302020601,120302020602,120302020604	03000027,03000027,03000028,03000035,03000038,03000049,03000050,03000051,03000053,03000054,03000055,03000057,03000058,03000059,03000060,03000061,03000062,03000063,03000064,03000065,03000066,03000067,03000069,03000070			15218	10914	109696	0	1654		429.5	17037.9		
031000048	Irving Levee District Flood Risk Assessment	03000224,03000224,03000225	12030102,12030103,12030105	120301020705,120301020706,120301020701,120301031006,120301031007,120301031004,120301031005,120301050101	03000077,03000077,03000078,03000094,03000096,03000097,03000148,03000149,03000168			1384	1041	34898	0	131		50.0	1315.4		
031000049	West Fork of the Trinity River Levee Failure Hydrologic Study	00000122,00000122,00000185,00000191,00000194,03000209,00000223,03000224,00000253	12030101,12030102,12030104	120301020705,120301020706,120301020701,120301031006,120301031007,120301031004,120301031005,120301050101	03000077,03000077,03000078,03000094,03000096,03000097,03000148,03000149,03000168			6958	4412	33643	0	351		223.3	66033.1		
031000050	City of Lavon DMP	00000207,00000207	12030106	120301060307,120301060401	03000225,03000225,03000226			2	2	3	0	1		0.7	30.1		
031000051	University Park DMP	03000225,03000225	12030103,12030105	120301031007,120301050101,120301050105	03000097,03000097,03000168,03000174			22	19	76	0	8		0.3	0.4		
031000052	City of Rowlett DMP	00000175,00000175,03000225	12030106	120301060402,120301060403,120301060408,120301060409	03000204,03000204,03000205,03000230,03000231			121	110	396	0	39		5.0	268.2		
031000053	City of Richardson DMP	00000207,00000207,03000225	12030105,12030106	120301050104,120301050105,120301060403,120301060407,120301060408,120301060501	03000173,03000173,03000174,03000205,03000206,03000229,03000232			173	131	2406	0	106		7.7	80.4		
031000054	City of Cockrell Hill DMP																
031000055	City of Aubrey DMP	03000208,03000208	12030103	120301030406,120301030703,120301030704,120301030705,120301030903	03000114,03000114,03000130,03000131,03000133,03000141			13	10	45	0	0		0.4	205.5		
031000056	City of Argyle DMP	03000208,03000208	12030103,12030104	120301030804,120301040304	03000137,03000137,03000162			65	39	153	0	7		1.8	392.2		
031000057	City of Maypearl DMP	03000105,03000105	12030109	120301090108,120301090201,120301090104,120301090105	03000305,03000305,03000306,03000316,03000317			37	21	75	0	0		2.0	28.2		

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	Study Type	FME Area (sqmi)	Flood Risk Type	Estimated Study Cost (2020 \$)	Sponsor
031000058	City of Dayton DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Liberty	Watershed Planning - Drainage Master Plan	21		\$ 250,000	Dayton
031000059	City of Denton DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Denton	Watershed Planning - Drainage Master Plan	97		\$ 1,000,000	City of Denton
031000060	City of Madisonville DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Madison	Watershed Planning - Drainage Master Plan	5		\$ 250,000	Madisonville
031000061	City of Rockwall DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Rockwall	Watershed Planning - Drainage Master Plan	30		\$ 500,000	Rockwall
031000062	City of Everman DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Tarrant	Watershed Planning - Drainage Master Plan	2		\$ 250,000	Everman
031000063	City of Colleyville DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Tarrant	Watershed Planning - Drainage Master Plan	13		\$ 500,000	Colleyville
031000064	Haltom City DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Tarrant	Watershed Planning - Drainage Master Plan	12		\$ 500,000	Haltom City
031000065	City of Southlake DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Tarrant	Watershed Planning - Drainage Master Plan	22		\$ 500,000	Southlake
031000066	City of North Richland Hills DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Tarrant	Watershed Planning - Drainage Master Plan	18		\$ 500,000	North Richland Hills
031000067	City of Mansfield DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Tarrant	Watershed Planning - Drainage Master Plan	36		\$ 500,000	Mansfield
031000068	City of Trinidad DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Henderson	Watershed Planning - Drainage Master Plan	15		\$ 250,000	Trinidad
031000069	Cedar Hill-DeSoto-Duncanville DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Dallas	Watershed Planning - Drainage Master Plan	68		\$ 1,000,000	Cedar Hil, DeSoto, Duncanville
031000070	City of Athens DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Henderson	Watershed Planning - Drainage Master Plan	13		\$ 250,000	City of Athens
031000071	Sansom Park DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Tarrant	Watershed Planning - Drainage Master Plan	1		\$ 250,000	Sansom Park
031000072	City of Decatur DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Wise	Watershed Planning - Drainage Master Plan	9		\$ 250,000	City of Decatur
031000073	City of Waxahachie DMP (Phase 2 Continuation)	Evaluate City and identify future projects. Continue efforts of current DMP Phase 2 efforts.	03000007, 03000008, 03000009, 03000010	Ellis	Watershed Planning - Drainage Master Plan	49		\$ 752,000	City of Waxahachie
031000074	City of Crockett DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Houston	Watershed Planning - Drainage Master Plan	9		\$ 250,000	City of Crockett
031000075	Town of Dish DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Denton	Watershed Planning - Drainage Master Plan	2		\$ 250,000	Town of Dish
031000076	City of Corinth DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Denton	Watershed Planning - Drainage Master Plan	8		\$ 250,000	City of Corinth
031000077	City of Keller DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Tarrant	Watershed Planning - Drainage Master Plan	18		\$ 500,000	City of Keller
031000078	Anderson County DMP	Evaluate County and identify future projects.	03000007, 03000008, 03000009, 03000010	Anderson	Watershed Planning - Drainage Master Plan	1073		\$ 360,000	Anderson County
031000079	Cooke County DMP	Evaluate County to identify future projects.	03000007, 03000008, 03000009, 03000010	Cooke	Watershed Planning - Drainage Master Plan	893		\$ 299,000	Cooke County
031000080	Fannin County DMP	Evaluate County and identify future projects.	03000007, 03000008, 03000009, 03000010	Fannin	Watershed Planning - Drainage Master Plan	897		\$ 301,000	Fannin County
031000081	Freestone County DMP	Evaluate County and identify future projects.	03000007, 03000008, 03000009, 03000010	Freestone	Watershed Planning - Drainage Master Plan	888		\$ 298,000	Freestone County, Fairfield, Streetman, Teague, Wortham
031000082	Houston County DMP	Evaluate County and Identify future projects.	03000007, 03000008, 03000009, 03000010	Houston	Watershed Planning - Drainage Master Plan	1232		\$ 413,000	Houston County
031000083	Jack County DMP	Evaluate County and identify future projects.	03000007, 03000008, 03000009, 03000010	Jack	Watershed Planning - Drainage Master Plan	917		\$ 308,000	Jack County
031000084	Johnson County DMP	Evaluate County and identify future projects.	03000007, 03000008, 03000009, 03000010	Johnson	Watershed Planning - Drainage Master Plan	731		\$ 245,000	Johnson County
031000085	Leon County DMP	Evaluate County and identify future projects.	03000007, 03000008, 03000009, 03000010	Leon	Watershed Planning - Drainage Master Plan	1076		\$ 361,000	Leon County
031000086	Liberty County DMP	Evaluate County and identify future projects.	03000007, 03000008, 03000009, 03000010	Liberty	Watershed Planning - Drainage Master Plan	1169		\$ 392,000	Liberty County
031000087	Montague County DMP	Evaluate County and identify future projects.	03000007, 03000008, 03000009, 03000010	Montague	Watershed Planning - Drainage Master Plan	933		\$ 313,000	Montague County
031000088	Parker County DMP	Evaluate County and identify future projects.	03000007, 03000008, 03000009, 03000010	Parker	Watershed Planning - Drainage Master Plan	903		\$ 303,000	Parker County, Willow Park
031000089	Polk County DMP	Evaluate County and identify future projects.	03000007, 03000008, 03000009, 03000010	Polk	Watershed Planning - Drainage Master Plan	1106		\$ 371,000	Polk County, Livingston, Goodrich, Onalaska, Seven Oaks, Corrigan
031000090	San Jacinto DMP	Evaluate County and Identify future projects.	03000007, 03000008, 03000009, 03000010	San Jacinto	Watershed Planning - Drainage Master Plan	626		\$ 210,000	San Jacinto County, Coldspring, Point Blank, Shepherd

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG (cont.)																		
FME ID (cont.)	FME Name2	Entities with Oversight	HUC8s	HUC12s	Watersheds	Emergency Need	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	
031000058	City of Dayton DMP	00000033,00000033	12030203	120302030108,120302030301,120302030302,120302030304	03000451,03000451,03000463,03000464,03000466			35	15	51	0	0		2.9	406.4			
031000059	City of Denton DMP	03000208,03000208	12030103,12030104	120301030406,120301030602,120301030604,120301030605,120301030801,120301030802,120301030803,120301030804,120301030805,120301030901,120301030902,120301040205,120301040304	03000114,03000114,03000125,03000127,03000128,03000134,03000135,03000136,03000137,03000138,03000139,03000140,03000157,03000162			1231	723	6821	0	139		35.0	3684.4			
031000060	City of Madisonville DMP	00000055,00000055	12030202	120302020408,120302020506	03000396,03000396,03000403			87	38	338	0	0		1.9	86.7			
031000061	City of Rockwall DMP	00000175,00000175,00000207	12030106,12030107	120301060402,120301060401,120301060409,120301060502,120301070101	03000204,03000204,03000226,03000231,03000233,03000240			279	223	1230	0	13		8.4	638.5			
031000062	City of Everman DMP	03000224,03000224	12030102	120301020403	03000074,03000074			291	221	1181	0	30		5.2	86.0			
031000063	City of Colleyville DMP	03000224,03000224	12030102	120301020703,120301020704,120301020505	03000075,03000075,03000076,03000085			155	134	785	0	18		5.2	133.3			
031000064	Haltom City DMP	03000224,03000224	12030102	120301020503,120301020504	03000083,03000083,03000084			1122	794	6555	0	36		22.5	71.5			
031000065	City of Southlake DMP	03000208,03000208,03000224	12030102,12030104	120301020703,120301040305,120301040306	03000075,03000075,03000163,03000164			99	71	389	0	57		3.4	121.2			
031000066	City of North Richland Hills DMP	03000224,03000224	12030102	120301020703,120301020704,120301020503,120301020504,120301020505	03000075,03000075,03000076,03000083,03000084,03000085			324	283	1916	0	43		9.4	45.0			
031000067	City of Mansfield DMP	00000104,00000104,03000105,03000224	12030102	120301020405,120301020601,120301020603,120301020604,120301020605	03000080,03000080,03000087,03000089,03000090,03000091			172	121	774	0	67		8.5	386.9			
031000068	City of Trinidad DMP	03000163,03000163,00000164	12030105,12030107	120301050504,120301070310,120301070311	03000192,03000192,03000265,03000266			5	3	3	0	2		1.4	1187.2			
031000069	Cedar Hill-DeSoto-Duncanville DMP	03000105,03000105,03000225	12030102,12030105,12030109	120301020603,120301020606,120301020607,120301050107,120301050201,120301050301,120301050305,120301090301	03000089,03000089,03000092,03000093,03000176,03000178,03000181,03000185,03000297			733	646	4412	0	83		16.8	239.9			
031000070	City of Athens DMP	00000164,00000164	12030107,12030201	120301070308,120301070312,120302010201,120302010202	03000263,03000263,03000267,03000341,03000342			18	3	87	0	10		2.2	13.0			
031000071	Sansom Park DMP	03000224,03000224	12030102	120301020101,120301020104,120301020105,120301020501	03000052,03000052,03000055,03000056,03000081													
031000072	City of Decatur DMP	03000209,03000209	12030101,12030104	120301010604,120301010511,120301010601,120301040203,120301040206	03000036,03000036,03000046,03000047,03000155,03000158			27	6	15	0	0		0.4	28.6			
031000073	City of Waxahachie DMP (Phase 2 Continuation)	03000105,03000105	12030105,12030109	120301050302,120301050303,120301090301,120301090302,120301090303,120301090105,120301090304,120301090305,120301090307	03000182,03000182,03000183,03000297,03000298,03000299,03000317,03000320,03000321,03000323			359	210	2104	0	0		14.3	1315.7			
031000074	City of Crockett DMP	00000128,00000128	12030201,12030202	120302010705,120302020702	03000328,03000328,03000410			10	5	9	0	0		1.0	92.6			
031000075	Town of Dish DMP	03000208,03000208	12030104	120301040205	03000157,03000157			6	1	10	0	0		0.1	168.4			
031000076	City of Corinth DMP	03000208,03000208	12030103	120301030805,120301030902	03000138,03000138,03000140			110	107	360	0	5		3.8	49.5			
031000077	City of Keller DMP	03000224,03000224	12030102,12030104	120301020703,120301020704,120301020503,120301040305	03000075,03000075,03000076,03000083,03000163			172	136	5130	0	51		5.1	209.4			
031000078	Anderson County DMP	00000128,00000128,00000132,00000143,00000156,00000164	12030105,12030201	120301020703,120301020704,120301020503,120301040305	03000194,03000194,03000330,03000343,03000344,03000345,03000346,03000347,03000348,03000349,03000350,03000351,03000352,03000353,03000354,03000355,03000356,03000357,03000358,03000359,03000371,03000372			164	61	102	0	27		23.4	26699.3			
031000079	Cooke County DMP	00000189,00000189,00000190,00000191,03000208,03000209	12030103,12030104	120301020703,120301020704,120301020503,120301040305	03000194,03000194,03000330,03000343,03000344,03000345,03000346,03000347,03000348,03000349,03000350,03000351,03000352,03000353,03000354,03000355,03000356,03000357,03000358,03000359,03000371,03000372			1383	781	2728	0	102		65.6	23967.8			
031000080	Fannin County DMP	00000188,00000188,00000190,00000207,00000212	12030106	120301060101,120301060102,120301060103,120301060105	03000207,03000207,03000208,03000209,03000210			129	102	88	0	0		3.4	1253.4			
031000081	Freestone County DMP	00000132,00000132,00000137,00000143,00000156,03000163,00000164	12030105,12030108,12030201	120301060101,120301060102,120301060103,120301060105	03000207,03000207,03000208,03000209,03000210			370	97	247	0	4		37.2	33415.4			
031000082	Houston County DMP	00000053,00000053,00000055,00000065,00000128,00000132,00000156	12030201,12030202	120301060101,120301060102,120301060103,120301060105	03000327,03000327,03000328,03000329,03000330,03000358,03000371,03000372,03000373,0													

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	Study Type	FME Area (sqmi)	Flood Risk Type	Estimated Study Cost (2020 \$)	Sponsor
031000091	Trinity County DMP	Evaluate County and identify future projects.	03000007, 03000008, 03000009, 03000010	Trinity	Watershed Planning - Drainage Master Plan	710		\$238,000	Trinity
031000092	Van Zandt County DMP	Evaluate County and identify future projects.	03000007, 03000008, 03000009, 03000010	Van Zandt	Watershed Planning - Drainage Master Plan	856		\$287,000	Van Zandt County
031000093	Wise County DMP	Evaluate County and identify future projects.	03000007, 03000008, 03000009, 03000010	Wise	Watershed Planning - Drainage Master Plan	920		\$308,000	Wise County
031000094	Dallas County DMP and Vulnerability Assessment	Evaluate County to identify future projects. Risk and vulnerability assessment to determine the number of people, property and infrastructure exposed to flooding.	03000007, 03000008, 03000009, 03000010	Dallas	Watershed Planning - Drainage Master Plan	905		\$303,000	Dallas County
031000095	Merritt Road, Sachse Road, and Willow Lake Improvements	Hydrologic and Hydraulic Study of Stream 2E3, 2E4 and Willow Lake to determine causes of flooding along Merritt Rd and identify necessary drainage improvements.	03000005, 03000006, 03000007, 03000008	Collin , Dallas	Watershed Planning - H&H Modeling	42		\$-	City of Sachse
031000096	Richardson West Fork Cottonwood Creek Watershed Study	Richardson West Fork Cottonwood Creek Watershed Study	03000005, 03000006	Dallas , Collin	Watershed Planning - H&H Modeling	33		\$-	Richardson
031000097	Copper Canyon Poindexter Branch Flood Mitigation Plan	Copper Canyon Poindexter Branch Flood Mitigation Plan	03000005, 03000006, 03000007, 03000008	Denton	Watershed Planning - H&H Modeling	7		\$-	Copper Canyon
031000098	Holiday Park North Drainage Study Update	Area 2	03000005, 03000006	Dallas	Engineering Project Planning	14		\$-	City of Garland
031000099	Buhler, Cresthaven, Madewell & Maryland Drainage Study Update	Area 4	03000005, 03000006	Dallas	Engineering Project Planning	5		\$-	City of Garland
031000100	Bellaire Heights Drainage Study Update	Area 5	03000005, 03000006	Dallas	Engineering Project Planning	5		\$-	City of Garland
031000101	Country Club Add., Club Hill Est., & Eastern Hills Est. Drainage Study Update	Area 6	03000005, 03000006	Dallas	Engineering Project Planning	6		\$-	City of Garland
031000102	Shorehaven-Garvon-Rosewood Terrace-Garland Heights-Freeman Heights-Range-Cooper-Barger Drainage Study Update	Area 7	03000005, 03000006	Dallas	Engineering Project Planning	5		\$-	City of Garland
031000103	Brentwood Place-Two Worlds-Apollo East Park Village Drainage Study Update	Area 8	03000005, 03000006	Dallas	Engineering Project Planning	14		\$-	City of Garland
031000104	Ridgewood Park-Regal Estates-Meadowcreek Square Drainage Study Update	Area 9	03000005, 03000006	Dallas	Engineering Project Planning	6		\$-	City of Garland
031000105	Eastern Meadows-Southlake Estates-Greenbrook-Green Acres-Rosehill Acreage Drainage Study Update	Area 10	03000005, 03000006	Dallas	Engineering Project Planning	13		\$-	City of Garland
031000106	La Prada 7 & 8 Drainage Study Update	Area 11	03000005, 03000006	Dallas	Engineering Project Planning	6		\$-	City of Garland
031000107	Gatewood Drainage Study Update	Area 12	03000005, 03000006	Dallas	Engineering Project Planning	6		\$-	City of Garland
031000108	Curtis Drive Drainage Study Update	Area 13	03000005, 03000006	Dallas	Engineering Project Planning	5		\$-	City of Garland
031000109	Center Creek Plaza 8 Southgate Estates Drainage Study Update	Area 14	03000005, 03000006	Dallas	Engineering Project Planning	6		\$-	City of Garland
031000110	Bluffview Drainage Study Update	Area 15	03000005, 03000006	Dallas	Engineering Project Planning	6		\$-	City of Garland
031000111	Camelot Drainage Study Update	Area 16	03000005, 03000006	Dallas	Engineering Project Planning	14		\$-	City of Garland
031000112	Downtown Drainage Study Update	Area 17	03000005, 03000006	Dallas	Engineering Project Planning	5		\$-	City of Garland
031000113	Main & Wilson Streets Drainage Study Update	Area 18	03000005, 03000006	Dallas	Engineering Project Planning	13		\$-	City of Garland
031000114	Royal Crest-Meadowview Drainage Study Update	Area 19	03000005, 03000006	Dallas	Engineering Project Planning	6		\$-	City of Garland
031000115	Garvon West, Innovation & Kingsley Ind. Park Drainage Study Update	Area 20	03000005, 03000006	Dallas	Engineering Project Planning	5		\$-	City of Garland
031000116	Northlake & Castlewood Drainage Study Update	Area 21	03000005, 03000006	Dallas	Engineering Project Planning	4		\$-	City of Garland
031000117	Legend Drive Drainage Study Update	Area 22	03000005, 03000006	Dallas	Engineering Project Planning	5		\$-	City of Garland
031000118	Brazos Drive Drainage Study Update	Area 23	03000005, 03000006	Dallas	Engineering Project Planning	6		\$-	City of Garland
031000119	Sweetbriar-Glenrose Alley Drainage Study Update	Area 26	03000005, 03000006	Dallas	Engineering Project Planning	9		\$-	City of Garland
031000120	Mc Adams Ditch Feasibility Study	Evaluate alternatives for improvements to Mc Adams Ditch (crosses FM 3180 South).	03000029, 03000030	Chambers	Project Planning	3		\$-	Chambers County
031000121	Rhonda Rosa Lane Bridge	Construct bridge on Rhonda Rosa Lane in Ranches on Turtle Bayou to replace box culverts.	03000003, 03000004, 03000029, 03000030	Chambers	Engineering Project Planning	0		\$-	Chambers County
031000122	Hackberry Gully and Cotton Bayou Shelving Study	Evaluate shelving the entire length of Hackberry Gully and Cotton Bayou from South of I-10 to Cotton Lake; thereby increasing their flow capacity.	03000029, 03000030	Chambers	Engineering Project Planning	25		\$-	Chambers County
031000123	Collin County Retention Structures Rehabilitation Project	Implement results of hazard/vulnerability assessment and inundation study on NRCS flood retention structures and rehabilitate structures found to be a high hazard.	03000009, 03000010, 03000013, 03000014	Collin	Engineering Project Planning	883		\$-	Collin County
031000124	McMillen Rd Bridge Lift Project (Maxwell Creek)	Flood study to determine parameters to raise bridge at McMillen Rd to reduce flooding .	03000003, 03000004	Collin	Engineering Project Planning	10		\$-	Wylie
031000125	Cooke County Low-Water Crossing Barriers Evaluation	Evaluate installation of automatic flood crossing barriers at low water crossing to prevent automobiles from driving through high water.	03000003, 03000004	Cooke	Engineering Project Planning	893		\$-	Cooke County
031000126	Wheeler Creek Channelization Study	Evaluate channelization of Wheeler Creek to reduce flooding in the west side of town.	03000031, 03000032	Cooke	Engineering Project Planning	39		\$-	Gainesville
031000127	Pecan Creek Channelization Study	Evaluate channelization project for Pecan Creek to reduce flooding.	03000031, 03000032	Cooke	Engineering Project Planning	13		\$-	Valley View
031000128	Lindsay Waterways Improvements Study	Reshape waterways to allow quicker flow in areas that have regular flooding. Construction of Gabion retaining walls, and widening and/or deepening of the waterway.	03000031, 03000032	Cooke	Project Planning	15		\$-	Lindsay
031000129	O'Neal St Low-Water Crossing Automatic Barrier Study	Evaluate installation of an automatic barricade for low-water crossing on O'Neal St.	03000003, 03000004	Cooke	Engineering Project Planning	10		\$-	Gainesville
031000130	Elm Fork Bridge Improvements Assessment	Assessment to alleviate flooding issues with the Elm Fork bridge on I-35.	03000003, 03000004, 03000031, 03000032	Cooke	Engineering Project Planning	7		\$-	Gainesville
031000131	Brockbank and Embassy Channel Basin Improvements Assessment	Evaluate channel improvements on Brockbank Channel Basin north of SH 183; and Embassy Channel Basin north of SH 183	03000031, 03000032	Dallas	Engineering Project Planning	9		\$-	Irving

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG (cont.)

FME ID (cont.)	FME Name2	Entities with Oversight	HUC8s	HUC12s	Watersheds	Emergency Need	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
031000091	Trinity County DMP	00000047,00000047,00000053,00000058,00000065,00000128	12030202	120302020703, 120302020705, 120302020707, 120302020708, 120302020709, 120302020710, 120302020711, 120302020712, 120302020713, 120302020901, 120302020903, 120302020806, 120302020807, 120302020902, 120302021102, 120302021103	03000411,03000411,03000413,03000415,03000416,03000417,03000418,03000419,03000420,03000421,03000423,03000424,03000431,03000432,03000433,03000439,03000440			1302	875	1734	0	5		25.1	6233.8		
031000092	Van Zandt County DMP	00000108,00000108,00000110,00000164,00000212	12030107	120301070302, 120301070202, 120301070203, 120301070204, 120301070205, 120301070301, 120301070304, 120301070305, 120301070906, 120301070307	03000239,03000239,03000252,03000253,03000254,03000255,03000257,03000259,03000260,03000261,03000262			256	124	242	0	10		19.3	13004.3		
031000093	Wise County DMP	00000122,00000122,00000189,00000189,03000208,03000209,03000224,00000253	12030101,12030102,12030103,12030104	120301070302, 120301070202, 120301070203, 120301070204, 120301070205, 120301070301, 120301070304, 120301070305, 120301070906, 120301070307	03000239,03000239,03000252,03000253,03000254,03000255,03000257,03000259,03000260,03000261,03000262			1741	1031	3134	0	18		65.9	40383.5		
031000094	Dallas County DMP and Vulnerability Assessment	03000105,03000105,00000108,00000175,00000207,03000208,03000224,03000225	12030102,12030103,12030104,12030105,12030106,12030109	120301070302, 120301070202, 120301070203, 120301070204, 120301070205, 120301070301, 120301070304, 120301070305, 120301070906, 120301070307	03000239,03000239,03000252,03000253,03000254,03000255,03000257,03000259,03000260,03000261,03000262			20907	15150	406056	0	1785		686.9	27586.7		
031000095	Merritt Road, Sachse Road, and Willow Lake Improvements	00000207,00000207,03000225	12030106	120301060402, 120301060403, 120301060208, 120301060405, 120301060406, 120301060408	03000204,03000204,03000205,03000219,03000228,03000229,03000230			367	293	1185	0	25		10.8	1063.3		
031000096	Richardson West Fork Cottonwood Creek Watershed Study	00000207,00000207,03000225	12030103,12030105,12030106	120301031007, 120301031005, 120301050103, 120301050104, 120301050105, 120301060407, 120301060501	03000097,03000097,03000149,03000170,03000173,03000174,03000206,03000232			677	545	11904	0	128		17.5	48.6		
031000097	Copper Canyon Poindexter Branch Flood Mitigation Plan	03000208,03000208	12030103	120301030804, 120301030805, 120301031002	03000137,03000137,03000138,03000146			43	29	124	0	0		2.4	48.9		
031000098	Holiday Park North Drainage Study Update	00000207,00000207,03000225	12030106	120301060407, 120301060406, 120301060408, 120301060501	03000206,03000206,03000229,03000230,03000232			126	114	501	0	15		3.0	65.1		
031000099	Buhler, Cresthaven, Madewell & Maryland Drainage Study Update	03000225,03000225	12030106	120301060408, 120301060501	03000230,03000230,03000232			47	27	337	0	35		1.9	7.4		
031000100	Bellaire Heights Drainage Study Update	03000225,03000225	12030106	120301060408, 120301060501	03000230,03000230,03000232			47	27	337	0	35		1.9	7.4		
031000101	Country Club Add., Club Hill Est., & Eastern Hills Est. Drainage Study Update	03000225,03000225	12030106	120301060408, 120301060409, 120301060501	03000230,03000230,03000231,03000232			11	8	26	0	3		0.4	83.1		
031000102	Shorehaven-Garvon-Rosewood Terrace-Garland Heights-Freeman Heights-Range-Cooper-Barger Drainage Study Update	03000225,03000225	12030106	120301060408, 120301060501	03000230,03000230,03000232			47	27	337	0	35		1.9	7.4		
031000103	Brentwood Place-Two Worlds-Apollo East Park Village Drainage Study Update	00000207,00000207,03000225	12030106	120301060407, 120301060406, 120301060408, 120301060501	03000206,03000206,03000229,03000230,03000232			126	114	501	0	15		3.0	65.1		
031000104	Ridgewood Park-Regal Estates-Meadowcreek Square Drainage Study Update	03000225,03000225	12030106	120301060408, 120301060501	03000230,03000230,03000232			249	226	943	0	31		4.0	44.8		
031000105	Eastern Meadows-Southlake Estates-Greenbrook-Green Acres-Rosehill Acreage Drainage Study Update	00000108,00000108,03000225	12030106	120301060408, 120301060409, 120301060501, 120301060503	03000230,03000230,03000231,03000232,03000234			12	4	25	0	7		2.6	613.6		
031000106	La Prada 7 & 8 Drainage Study Update	03000225,03000225	12030106	120301060408, 120301060501	03000230,03000230,03000232			249	226	943	0	31		4.0	44.8		
031000107	Gatewood Drainage Study Update	03000225,03000225	12030106	120301060408, 120301060501	03000230,03000230,03000232			249	226	943	0	31		4.0	44.8		
031000108	Curtis Drive Drainage Study Update	03000225,03000225	12030106	120301060408, 120301060501	03000230,03000230,03000232			47	27	337	0	35		1.9	7.4		
031000109	Center Creek Plaza 8 Southgate Estates Drainage Study Update	03000225,03000225	12030106	120301060408, 120301060501	03000230,03000230,03000232			249	226	943	0	31		4.0	44.8		
031000110	Bluffview Drainage Study Update	03000225,03000225	12030106	120301060408, 120301060409, 120301060501	03000230,03000230,03000231,03000232			11	8	26	0	6		0.5	84.7		
031000111	Camelot Drainage Study Update	00000207,00000207,03000225	12030106	120301060407, 120301060406, 120301060408, 120301060501	03000206,03000206,03000229,03000230,03000232			126	114	501	0	15		3.0	65.1		
031000112	Downtown Drainage Study Update	03000225,03000225	12030106	120301060408, 120301060501	03000230,03000230,03000232			47	27	337	0	35		1.9	7.4		
031000113	Main & Wilson Streets Drainage Study Update	03000225,03000225	12030105,12030106	120301050105, 120301060407, 120301060408, 120301060501	03000174,03000174,03000206,03000230,03000232			419	317	5654	0	74		9.2	8.3		
031000114	Royal Crest-Meadowview Drainage Study Update	03000225,03000225	12030106	120301060408, 120301060409, 120301060501	03000230,03000230,03000231,03000232			11	8	26	0	6		0.5	84.7		
031000115	Garvon West, Innovation & Kingsley Ind. Park Drainage Study Update	03000225,03000225	12030105,12030106	120301050105, 120301060501	03000174,03000174,03000232			226	201	1334	0	47		3.7	0.1		
031000116	Northlake & Castlewood Drainage Study Update	03000225,03000225	12030106	120301060407, 120301060408	03000206,03000206,03000230			72	67	309	0	18		2.3	95.8		
031000117	Legend Drive Drainage Study Update	03000225,03000225	12030106	120301060408, 120301060501	03000230,03000230,03000232			47	27	337	0	35		1.9	7.4		
031000118	Brazos Drive Drainage Study Update	03000225,03000225	12030106	120301060408, 120301060501	03000230,03000230,03000232			249	226	943	0	31		4.0	44.8		
031000119	Sweetbriar-Glenrose Alley Drainage Study Update	03000225,03000225	12030105,12030106	120301050105, 120301060407, 120301060408, 120301060501	03000174,03000174,03000206,03000230,03000232			372	290	5317	0	39		7.3	0.9		
031000120	Mc Adams Ditch Feasibility Study	00000013,00000013												0.1			
031000121	Rhonda Rosa Lane Bridge	00000013,00000013	12030203	120302030203, 120302030204	03000461,03000461,03000462			1	0	0	0	0		0.1	0.5		
031000122	Hackberry Gully and Cotton Bayou Shelving Study	00000013,00000013	12030203	120302030304, 120302030306	03000466,03000466,03000468			49	35	143	0	0		2.4	129.5		
031000123	Collin County Retention Structures Rehabilitation Project	00000175,00000175,00000188,00000190,00000207,03000208,00000212,03000225	12030103,12030105,12030106	120302030304, 120302030306	03000466,03000466,03000468			2311	1642	21104	0	192		112.9	26457.1		
031000124	McMillen Rd Bridge Lift Project (Maxwell Creek)	00000207,00000207	12030106	120301060403, 120301060405, 120301060406	03000205,03000205,03000228,03000229			192	165	653	0	0		5.6	317.9		
031000125	Cooke County Low-Water Crossing Barriers Evaluation	00000189,00000189,00000190,00000191,03000208,03000209	12030103,12030104	120301060403, 120301060405, 120301060406	03000205,03000205,03000228,03000229			1383	781	2728	0	102		65.6	23967.8		
031000126	Wheeler Creek Channelization Study	00000189,00000189	12030103	120301030105, 120301030106, 120301030201, 120301030301, 120301030403	03000101,03000101,03000102,03000103,03000105,03000111			352	211	1236	0	5		10.3	1226.6		
031000127	Pecan Creek Channelization Study	00000189,00000189,03000208	12030103	120301030402, 120301030403, 120301030404, 120301030405	03000110,03000110,03000111,03000112,03000113			4	0	1	0	24		2.1	304.8		
031000128	Lindsay Waterways Improvements Study	00000189,00000189	12030103	120301030106, 120301030401, 120301030403	03000102,03000102,03000109,03000111			63	32	121	0	0		2.9	971.6		
031000129	O'Neal St Low-Water Crossing Automatic Barrier Study	00000189,00000189	12030103	120301030105, 120301030106	03000101,03000101,03000102			302	197	1120	0	5		7.4	326.6		
031000130	Elm Fork Bridge Improvements Assessment	00000189,00000189	12030103	120301030105, 120301030106, 120301030403	03000101,03000101,03000102,03000111			101	37	330	0	0		3.3	899.6		
031000131	Brockbank and Embassy Channel Basin Improvements Assessment	03000225,03000225	12030102,12030103	120301020705, 120301020706, 120301031006, 120301031007	03000077,03000077,03000078,03000096,03000097			226	198	4436	0	22		5.9	143.8		

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	Study Type	FME Area (sqmi)	Flood Risk Type	Estimated Study Cost (2020 \$)	Sponsor
031000132	University Park Storm Water Infrastructure Improvements Study	Evaluation of storm drain system improvements including new storm sewer inlets, mains, and underground detention system to reduce flooding in Northeast portion of the City.	03000031, 03000032	Dallas	Engineering Project Planning	4		\$ -	University Park
031000133	Exall and Wycliffe Dam Maintenance Protocol for Drainage Systems and Flood Control Structures	Develop and implement a maintenance protocol for Drainage Systems and Flood Control Structures in and around the Exall and Wycliffe Dams. Roadway reconstruction, culvert / bridge construction and associated bank protection and improvements.	03000033, 03000034	Dallas	Engineering Project Planning	2		\$ -	Highland Park
031000134	Farmers Branch Retention Pond Dredging	Dredge the retention ponds along the creeks within the City.	03000013, 03000014, 03000031, 03000032	Dallas	Engineering Project Planning	12		\$ -	Farmers Branch
031000135	Ten Mile Creek Channel Expansion Study	Study to improve and increase the capacity of storm water system by expanding the Ten Mile Creek downstream channel to prevent flooding in flood prone areas to include structural stormwater management projects	03000031, 03000032	Dallas	Engineering Project Planning	77		\$ -	Lancaster
031000136	Hunterwood Stream Stabilization Project	Installation and maintenance of gabion walls to mitigate stream bank erosion during extreme flood events	03000031, 03000032, 03000033, 03000034	Dallas	Engineering Project Planning	10		\$ -	Coppell
031000137	Carrollton Flood Warning Barrier System Study	Procure and install flood warning barrier system to prevent motorists from driving into flooded areas.	03000003, 03000004	Dallas,Denton	Engineering Project Planning	37		\$ -	Carrollton
031000138	Westside Drive Drainage System and Street Reconstruct Study	Study to reconstruct Drainage System and Street in the 4500-4700 blocks of Westside Drive	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	Highland Park
031000139	Garner Rd, Chiesa Rd, and Wayne Way Storm Drain System Improvements	Evaluation of storm drain system redirection and improvements at Garner Rd, Chiesa Rd, and Wayne Way	03000031, 03000032	Dallas	Engineering Project Planning	10		\$ -	Rowlett
031000140	Cooks Creek Drainage Infrastructure Improvements	Evaluation of improvements to drainage infrastructure along Cooks Creek between Bee St and Spring Valley.	03000031, 03000032	Dallas	Engineering Project Planning	6		\$ -	Farmers Branch
031000141	Carrollton Drainage Upgrades	Evaluate upgrades to drainage and targeted regrading of streets and properties. Add additional drains and supporting infrastructure in older neighborhoods to increase offloading of flash flood waters.	03000031, 03000032	Dallas,Denton	Engineering Project Planning	37		\$ -	Carrollton
031000142	Little Elm Drainage Improvements	Evaluate drainage improvements to mitigate future flash and lake flooding problems.	03000031, 03000032	Denton	Engineering Project Planning	22		\$ -	Little Elm
031000143	Shady Shores Rd Elevation Study	Evaluate alternatives to elevate Shady Shores Rd to reduce future loss due to flooding	03000003, 03000004, 03000031, 03000032	Denton	Engineering Project Planning	17		\$ -	Shady Shores
031000144	Sanger Creek Waterways Reconstruction Study	Evaluate alternatives to reconstruct creek waterways to correct drainage issues	03000031, 03000032	Denton	Engineering Project Planning	12		\$ -	Sanger
031000145	CR 1400 drainage study	Evaluate widening road and installing box drains where necessary.	03000003, 03000004, 03000031, 03000032	Henderson	Engineering Project Planning	2		\$ -	Malakoff
031000146	Malone Bridge Improvements	Evaluate alternatives to elevate roadways in flood-prone areas through bridge improvements	03000003, 03000004, 03000031, 03000032	Hill	Engineering Project Planning	0		\$ -	Malone
031000147	FM 2114 Automated Flood Gate Feasibility Assessment	Evaluate installation of an automated flood gate that prevents traffic flow on FM 2114 within the flood-prone area during flooding events.	03000003, 03000004	Hill	Engineering Project Planning	9		\$ -	Penelope
031000148	Houston County dike for critical facilities	Evaluate alternatives to build earthen dike to elevate emergency vehicle access road to critical facilities to provide protection to 500-year flood level	03000003, 03000004, 03000011, 03000012, 03000019, 03000020	Houston	Engineering Project Planning	1232		\$ -	Houston County
031000149	Grapeland Critical Facilities Floodproofing Assessment	Assess flood proofing critical facilities to the 500-year flood that are located in flood-prone areas of the city in Region 3	03000011, 03000012, 03000019, 03000020	Houston	Engineering Project Planning	1		\$ -	Grapeland
031000150	Jack County WWTP and Lift Station Flood-Proofing.	Evaluate alternatives to flood-proof sewage treatment plans in flood hazard / low-lying areas. Raise electrical components of sewage lift stations above the BFE.	03000019, 03000020	Jack	Engineering Project Planning	917		\$ -	Jack County
031000151	County Rd 125 Automatic Warning Barricade Installation	Evaluate alternatives to install automatic warning barricades at County Rd 125 low-water crossing	03000003, 03000004	Kaufman	Engineering Project Planning	23		\$ -	Kaufman County
031000152	City of Liberty WWTP Levee Study	Study to evaluate constructing levee floodwall around waste water treatment plant	03000019, 03000020	Liberty	Engineering Project Planning	42		\$ -	City of Liberty
031000153	Liberty County Re-canalization	Evaluate alternatives to dechannelize existing feeder creeks that flow from north to south and improve drainage for storm water runoff	03000029, 03000030	Liberty	Engineering Project Planning	1169		\$ -	Liberty County
031000154	Liberty County Culverts Upgrades	Evaluate alternatives to reduce flooding by increasing size of culverts to 24 inches on County Rd 2361, 2362, 2363, and 2364 and CR 2358	03000003, 03000004, 03000029, 03000030	Liberty	Engineering Project Planning	4		\$ -	Liberty County
031000155	County Rd 2331 Re-Routing	Evaluate alternatives to re-route County Rd 2331 to area not prone to flooding	03000013, 03000014, 03000031, 03000032	Liberty	Engineering Project Planning	6		\$ -	Dayton Lake Estates
031000156	"Aqueduct" Drainage System Replacement	Replace current drainage system known as the "Aqueduct" in the city. Includes creating underground drainage along North Main St	03000031, 03000032	Parker	Engineering Project Planning	3		\$ -	Hudson Oaks
031000157	Polk County Road and Drainage Improvements	Evaluate road elevation and drainage improvements.	03000003, 03000004, 03000029, 03000030	Polk	Engineering Project Planning	1106		\$ -	Polk County
031000158	Seven Oaks Drainage Ditches	Evaluate drainage ditch along city streets Camp Rd, Pickens Loop, Franklin Rd, Austin Street, and Hunt Street	03000031, 03000032	Polk	Engineering Project Planning	8		\$ -	Seven Oaks
031000159	Old 35 Sover Sampson Creek Bridge Elevation	Evaluate alternatives to elevate bridge on Old 35 Sover Sampson Creek	03000003, 03000004	Polk	Engineering Project Planning	5		\$ -	Goodrich
031000160	Pennington Rd Culverts	Evaluate alternatives to install multiple culverts under Pennington Rd	03000003, 03000004, 03000031, 03000032	Polk	Engineering Project Planning	5		\$ -	Goodrich
031000161	Seven Oaks Culvert Installation	Evaluate alternatives to install multiple new culverts under Camp Rd, Pickens Loop, and Franklin Rd	03000003, 03000004, 03000031, 03000032	Polk	Engineering Project Planning	8		\$ -	Seven Oaks
031000162	San Jacinto County Drainage and Conveyance Capacity Improvements	Evaluate alternatives to improve drainage and conveyance capacity for Big Creek.	03000029, 03000030	San Jacinto	Engineering Project Planning	626		\$ -	Shepherd, San Jacinto County
031000163	Rock Creek Road Improvements	Evaluate alternatives to mitigate repetitive damages to Rocky Creek Rd sustained between 2015 - Present	03000003, 03000004, 03000029, 03000030	San Jacinto	Engineering Project Planning	4		\$ -	San Jacinto County, Shepherd
031000164	Chipmunk Rd Culverts Replacement	Evaluate alternatives to replace Chipmunk Rd culverts with a bridge	03000003, 03000004, 03000029, 03000030	San Jacinto	Engineering Project Planning	4		\$ -	San Jacinto County, Shepherd
031000165	Comanche Drive Culvert and Retention Wall Construction Feasibility Assessment	Evaluate feasibility for building a larger culvert and retention wall for watershed over low crossing on Comanche Drive	03000003, 03000004	Tarrant	Engineering Project Planning	10		\$ -	Lake Worth
031000166	Aton Storm Drain System Updates	Improve drainage capabilities on the Aton Storm drain system.	03000031, 03000032	Tarrant	Engineering Project Planning	5		\$ -	Westworth Village
031000167	Lower Hardisty Storm Drain Improvements	Evaluate alternatives for storm drain improvements	03000031, 03000032	Tarrant	Engineering Project Planning	15		\$ -	Richland Hills

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG (cont.)

FME ID (cont.)	FME Name2	Entities with Oversight	HUC8s	HUC12s	Watersheds	Emergency Need	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
031000132	University Park Storm Water Infrastructure Improvements Study	03000225,03000225	12030103,12030105	120301031007,120301050101,120301050105	03000097,03000097,03000168,03000174			22	19	76	0	8		0.3	0.4		
031000133	Exall and Wycliffe Dam Maintenance Protocol for Drainage Systems and Flood Control Structures	03000225,03000225	12030105	120301050101	03000168,03000168									1.6			
031000134	Farmers Branch Retention Pond Dredging	03000225,03000225	12030103	120301031007,120301031004,120301031005	03000097,03000097,03000148,03000149			330	259	9723	0	55		12.9	85.0		
031000135	Ten Mile Creek Channel Expansion Study	03000105,03000105,03000225	12030102,12030105	120301020603,120301020606,120301020607,120301050202,120301050203,120301050107,120301050108,120301050201,120301050801,120301050305,120301050306	03000089,03000089,03000092,03000093,03000171,03000172,03000176,03000177,03000178,03000181,03000185,03000195			962	806	4437	0	142		21.4	1846.8		
031000136	Hunterwood Stream Stabilization Project	03000224,03000224,03000225	12030102,12030103,12030104	120301020703,120301031006,120301031004,120301040307	03000075,03000075,03000096,03000148,03000167			35	31	222	0	0		1.4	36.0		
031000137	Carrollton Flood Warning Barrier System Study	00000207,00000207,03000208,03000225	12030103,12030104,12030105	120301031001,120301031002,120301031003,120301031004,120301031005,120301040307,120301050103	03000145,03000145,03000146,03000147,03000148,03000149,03000167,03000170			310	112	9533	0	50		20.9	589.8		
031000138	Westside Drive Drainage System and Street Reconstruct Study	03000225,03000225	12030103,12030105	120301031007,120301050101	03000097,03000097,03000168									0.3			
031000139	Garner Rd, Chiesa Rd, and Wayne Way Storm Drain System Improvements	00000175,00000175,03000225	12030106	120301060402,120301060403,120301060408,120301060409,120301060501	03000204,03000204,03000205,03000230,03000231,03000232			31	6	70	0	0		4.0	19.6		
031000140	Cooks Creek Drainage Infrastructure Improvements	03000225,03000225	12030103	120301031004,120301031005	03000148,03000148,03000149			151	120	3253	0	25		7.2	126.1		
031000141	Carrollton Drainage Upgrades	00000207,00000207,03000208,03000225	12030103,12030104,12030105	120301031001,120301031002,120301031003,120301031004,120301031005,120301040307,120301050103	03000145,03000145,03000146,03000147,03000148,03000149,03000167,03000170			310	112	9533	0	50		20.9	589.8		
031000142	Little Elm Drainage Improvements	03000208,03000208	12030103	120301030703,120301030705,120301030902,120301030903,120301030904,120301030905,120301030906	03000130,03000130,03000133,03000140,03000141,03000142,03000143,03000144			109	60	615	0	0		5.6	772.0		
031000143	Shady Shores Rd Elevation Study	03000208,03000208	12030103	120301030804,120301030805,120301030902,120301030906	03000137,03000137,03000138,03000140,03000144			250	179	544	0	17		12.2	225.4		
031000144	Sanger Creek Waterways Reconstruction Study	00000189,00000189,03000208	12030103	120301030405,120301030602,120301030603,120301030604	03000113,03000113,03000125,03000126,03000127			31	13	84	0	0		3.3	783.1		
031000145	CR 1400 drainage study	00000164,00000164	12030107	120301070309,120301070311,120301070312	03000264,03000264,03000266,03000267			12	4	6	0	1		0.6	14.5		
031000146	Malone Bridge Improvements	00000161,00000161	12030108	120301080106,120301080108	03000273,03000273,03000275										10.4		
031000147	FM 2114 Automated Flood Gate Feasibility Assessment	00000161,00000161	12030108	120301080106,120301080107	03000273,03000273,03000274			1	0	0	0	0		0.6	499.1		
031000148	Houston County dike for critical facilities	00000053,00000053,00000055,00000055,00000128,00000132,00000156	12030201,12030202	120301080106,120301080107	03000327,03000327,03000328,03000329,03000330,03000358,03000371,03000372,03000373,03000384,03000385,03000386,03000387,03000388,03000390,03000406,03000407,03000408,03000409,03000410,03000411,03000412,03000413,03000414,03000416,03000417,03000428			435	200	343	0	71		42.8	62056.9		
031000149	Grapeland Critical Facilities Floodproofing Assessment	00000128,00000128	12030201	120302010702,120302010703	03000372,03000372,03000373												
031000150	Jack County WWTP and Lift Station Flood-Proofing.	00000122,00000122,00000185,00000191,00000194,03000209,00000223,00000253	12030101	120302010702,120302010703	03000001,03000001,03000008,03000016,03000009,03000017,0300002,03000010,03000011,03000003,03000018,03000012,03000013,03000004,03000019,03000014,03000020,03000015,03000021,03000026,03000022,03000027,03000007,03000023,03000029,03000025,03000033,03000040			158	41	135	0	24		30.8	18515.3		
031000151	County Rd 125 Automatic Warning Barricade Installation	00000108,00000108	12030107	120301070106,120301070109,120301070201,120301070202,120301070203,120301070205	03000245,03000245,03000248,03000251,03000252,03000253,03000255			44	33	36	0	0		0.7	1012.9		
031000152	City of Liberty WWTP Levee Study	00000033,00000033	12030203	120302030109,120302030201,120302030203,120302030204,120302030301,120302030302,120302030303,120302030305	03000459,03000459,03000460,03000461,03000462,03000463,03000464,03000465,03000467			378	153	925	0	8		27.2	2572.4		
031000153	Liberty County Re-canalization	00000013,00000013,00000033,00000047,00000058,00000035	12030202,12030203	120301020606,120301020607,120301020702	03000448,03000448,03000449,03000450,03000451,03000452,03000453,03000454,03000455,03000456,03000457,03000458,03000459,03000460,03000461,03000462,03000463,03000464,03000465,03000466,03000467,03000468			4767	2823	5843	0	14		157.2	38982.2		
031000154	Liberty County Culverts Upgrades	00000033,00000033	12030203	120302030109	03000459,03000459			13	9	17	0	0		0.0	179.1		
031000155	County Rd 2331 Re-Routing	00000033,00000033	12030203	120302030108,120302030109,120302030301	03000451,03000451,03000459,03000463			15	5	4	0	0		3.6	176.2		
031000156	"Aqueduct" Drainage System Replacement	00000122,00000122	12030102	120301020203,120301020204,120301020205,120301020207	03000059,03000059,03000060,03000061,03000063												
031000157	Polk County Road and Drainage Improvements	00000033,00000033,00000047,00000058,00000065,00000035	12030202	120301030405,120301030602,120301030603,120301030604	03000423,03000423,03000424,03000425,03000426,03000433,03000434,03000435,03000436,03000437,03000439,03000440,03000441,03000442,03000443,03000445,03000446,03000447,03000448,03000449,03000450			4142	2537	5769	0	12		57.2	13195.0		
031000158	Seven Oaks Drainage Ditches	00000058,00000058	12030202	120302021001,120302021003	03000425,03000425,03000434			2	0	4	0	0		0.3	505.5		
031000159	Old 35 Sover Sampson Creek Bridge Elevation	00000058,00000058	12030202	120302021006,120302021202	03000437,03000437,03000445			27	19	10	0	0		0.2	6.2		
031000160	Pennington Rd Culverts	00000058,00000058	12030202	120302021006,120302021202	03000437,03000437,03000445			27	19	10	0	0		0.2	6.2		
031000161	Seven Oaks Culvert Installation	00000058,00000058	12030202	120302021001,120302021003	03000425,03000425,03000434			2	0	4	0	0		0.3	505.5		
031000162	San Jacinto County Drainage and Conveyance Capacity Improvements	00000033,00000033,00000047,00000058,00000065	12030202,12030203	120302020807,120302021101,120302021103,120302021104,120302021105,120302021106,120302021201,120302021207,120302030101	03000432,03000432,03000438,03000440,03000441,03000442,03000443,03000444,03000450,03000452			2701	2159	2942	0	0		64.9	9921.4		
031000163	Rock Creek Road Improvements	00000047,00000047	12030202	120302021105	03000442,03000442			35	27	33	0	0		0.3	11.4		
031000164	Chipmunk Rd Culverts Replacement	00000033,00000033,00000047	12030202,12030203	120302021207,120302030101	03000450,03000450,03000452			2	2	2	0	0		0.2	19.0		
031000165	Comanche Drive Culvert and Retention Wall Construction Feasibility Assessment	03000224,03000224	12030102	120301020101,120301020104,120301020105,120301020501	03000052,03000052,03000055,03000056,03000081			289	200	789	0	0		4.2	47.9		
031000166	Aton Storm Drain System Updates	03000224,03000224	12030102	120301020105,120301020307	03000056,03000056,03000071			224	218	678	0	0		3.5	60.1		
031000167	Lower Hardisty Storm Drain Improvements	03000224,03000224	12030102	120301020704,120301020503,120301020504,120301020505,120301020506	03000076,03000076,03000083,03000084,03000085,03000086			921	751	5058	0	115		19.2	37.7		

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG									
FME ID	FME Name	Description	Associated Goal No.	Counties	Study Type	FME Area (sqmi)	Flood Risk Type	Estimated Study Cost (2020 \$)	Sponsor
031000168	Big Bear Creek, Little Bear Creek, and Marshall Branch Stream Bank Erosion Study	Study to reduce stream bank erosion impacts along Big Bear Creek, Little Bear Creek, and Marshall Branch to improve drainage within the City of Keller	03000031, 03000032	Denton, Montague, Tarrant, Wise	Engineering Project Planning	735		\$ -	Keller
031000169	Calloway Branch Erosion Control Installation	Install erosion control in Calloway Branch to eliminate erosion of stream bank	03000031, 03000032	Tarrant	Engineering Project Planning	28		\$ -	Hurst
031000170	Mansfield Stream Stabilization	Design and construct projects to protect public infrastructure and private property from damages due to streambank erosion. Projects could include Saddlehorn/Walnut Creek sewer interceptor aerial crossing and Brookfield Hogpen sewer interceptor	03000031, 03000032	Tarrant	Engineering Project Planning	36		\$ -	Mansfield
031000171	Turkey Creek Trail Bridge	Evaluate alternatives to construct Bridge at Low-Water Crossing on Turkey Creek Trail.	03000003, 03000004	Wise	Engineering Project Planning	5		\$ -	Bridgeport
031000172	Turkey Creek Trail Rebuild	Evaluate alternatives to rebuild Turkey Creek Trail from 9th Street to State Highway 114.	03000031, 03000032	Wise	Engineering Project Planning	5		\$ -	Bridgeport
031000173	West Bridgeport Creek Channelization and Drainage Project	West Bridgeport Creek Channelization and Drainage Project Feasibility Assessment.	03000031, 03000032	Wise	Engineering Project Planning	28		\$ -	Bridgeport
031000174	North Weatherford St and Oakwood St Structure Improvements	Structure improvements assessment - North Weatherford St in front of fire station and Oakwood St between Granada and El Camino.	03000031, 03000032	Wise	Engineering Project Planning	6		\$ -	Chico
031000175	Hurstview Drive Bridge Improvement	Lorean watershed; \$390,000 cost estimate; from 2013 study	03000003, 03000004, 03000031, 03000032	Tarrant	Engineering Project Planning	4		\$ -	City of Hurst
031000176	Regional Detention at Mayfair Park	Valley View watershed; \$1,900,000 cost estimate; from 2017 study	03000013, 03000014, 03000031, 03000032	Tarrant	Engineering Project Planning	3		\$ -	City of Hurst
031000177	TRE & SH-10 Culvert Improvements	Valley View watershed; \$750,000 cost estimate; from 2017 study	03000003, 03000004, 03000009, 03000010, 03000031, 03000032	Tarrant	Engineering Project Planning	28		\$ -	City of Hurst
031000178	Pipeline Road Bridge Improvement	Walker watershed; \$1,700,000 cost estimate; from 2020 study	03000031, 03000032	Tarrant	Engineering Project Planning	28		\$ -	City of Hurst
031000179	Redbud Drive Bridge Improvement	Walker watershed; \$1,200,000 cost estimate; from 2020 study	03000031, 03000032	Tarrant	Engineering Project Planning	4		\$ -	City of Hurst
031000180	Northeast Mall Culvert Improvement	Walker watershed; \$11,600,000 cost estimate; from 2020 study	03000031, 03000032	Tarrant	Engineering Project Planning	5		\$ -	City of Hurst
031000181	Grand Parkway Culvert Crossing	Evaluate alternatives to upsize cross-culverts to allow for developed flow	03000003, 03000004, 03000009, 03000010, 03000031, 03000032	Chambers	Engineering Project Planning	9		\$ -	City of Mont Belvieu
031000182	Cherry Point Gully PER	Evaluate alternatives to construct a diversion channel; channel improvements upstream of diversion; construction of regional detention basins as alternative to diversion channel construction	03000031, 03000032	Chambers	Engineering Project Planning	6		\$ -	City of Mont Belvieu
031000183	Cotton Bayou PER	Evaluate alternatives to construct a diversion channel within irrigation canal ROW to drain to Old River; construction of detention basins to serve new development; linear detention through channel improvements; expansion of existing detention basins	03000031, 03000032	Chambers	Engineering Project Planning	25		\$ -	City of Mont Belvieu
031000184	Belt Line Rd (FM1382) at Cottonwood Creek	Study update - Channel Improvements; \$4,502,500	03000031, 03000032	Dallas, Tarrant	Engineering Project Planning	13		\$ -	City of Grand Prairie
031000185	North Grand Prairie High School Pond Crossing	Study update - Gopher Creek 430 feet north of Small Hill St; channel improvements; \$159,500	03000031, 03000032	Dallas	Engineering Project Planning	4		\$ -	City of Grand Prairie
031000186	Belt Line Rd at Plattner Creek	Study update - Channel Improvements; \$435,500	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000187	Small Hill St at Gopher Creek	Study update - Channel Improvements; \$307,700	03000031, 03000032	Dallas	Engineering Project Planning	4		\$ -	City of Grand Prairie
031000188	Carrier Parkway at Dalworth Creek	Study update - 190 feet southeast of Capetown; Channel Improvements; \$1,092,000	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	City of Grand Prairie
031000189	East Tarrant Rd at Gopher Creek	Study update - Channel Improvements; \$381,300	03000031, 03000032	Dallas	Engineering Project Planning	4		\$ -	City of Grand Prairie
031000190	NE 5th St at Gopher Creek	Study update - Channel Improvements; \$390,200	03000031, 03000032	Dallas	Engineering Project Planning	4		\$ -	City of Grand Prairie
031000191	Grass-covered Culvert at Dalworth Creek	Study update - 520 feet west of Carrier Parkway; Channel Improvements; \$1,048,700	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	City of Grand Prairie
031000192	High School Drive at Gopher Creek	Study update - Channel Improvements; \$402,400	03000031, 03000032	Dallas	Engineering Project Planning	4		\$ -	City of Grand Prairie
031000193	Duncan Perry Rd at Johnson Creek	Study update - Channel Improvements; \$5,374,200	03000031, 03000032	Dallas, Tarrant	Engineering Project Planning	21		\$ -	City of Grand Prairie
031000194	Great Southwest Parkway at Cottonwood Creek Bridge and Roadway Raising Improvements (Stream Station 104+64)	Study update - Channel Improvements; \$9,538,300	03000031, 03000032	Dallas, Tarrant	Engineering Project Planning	6		\$ -	City of Grand Prairie
031000195	West Park Square Rd at Turner Branch	Study update - Channel Improvements; \$445,200	03000031, 03000032	Dallas	Engineering Project Planning	4		\$ -	City of Grand Prairie
031000196	Carrier Parkway at Cottonwood Creek and South Fork Cottonwood Creek - Bridges	Study update - Channel Improvements; \$18,164,400	03000031, 03000032	Dallas	Engineering Project Planning	6		\$ -	City of Grand Prairie
031000197	3rd St at Cottonwood Creek and Cottonwood Creek from SW 3rd to FM 1382	Study update - Channel Improvements; \$12,733,000	03000031, 03000032	Dallas	Engineering Project Planning	13		\$ -	City of Grand Prairie
031000198	FM 661 at Mountain Creek (Future with Development)	Study update - Channel Improvements; \$7,750,000	03000031, 03000032	Dallas	Engineering Project Planning	50		\$ -	City of Grand Prairie
031000199	Green Hollow Drive North and South of Thornbush Drive	Study update - Storm Drain Improvements; \$247,000	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	City of Grand Prairie
031000200	Carrier Parkway & Egyptian Way	Study update - Storm Drain Improvements; \$3,165,300	03000031, 03000032	Dallas, Tarrant	Engineering Project Planning	21		\$ -	City of Grand Prairie
031000201	East Pioneer Parkway & SE 14th St	Study update - Storm Drain Improvements; \$3,742,700	03000031, 03000032	Dallas	Engineering Project Planning	5		\$ -	City of Grand Prairie
031000202	Great Southwest Parkway & Pinewood Drive	Study update - Storm Drain Improvements; \$3,998,200	03000031, 03000032	Dallas, Tarrant	Engineering Project Planning	5		\$ -	City of Grand Prairie
031000203	Lake Park Drive and Victoria Drive	Study update - Storm Drain Improvements; \$1,094,100	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000204	Regional Detention at Bowie Elementary School	Study update - Storm Drain Improvements; \$3,433,500	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	City of Grand Prairie
031000205	Shady Grove Rd - Jones St Storm Drainage Improvements	Study update - Storm Drain Improvements; \$1,679,200	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	City of Grand Prairie
031000206	Duncan Perry Rd, Heritage Court and Goodwin Branch	Study update - Storm Drain Improvements; \$1,175,300	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	City of Grand Prairie
031000207	Thousand Oaks Court	Study update - Storm Drain Improvements; \$742,700	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000208	East Marshall Drive, Santa Cruz Circle & Belt Line Rd	Study update - Storm Drain Improvements; \$1,753,800	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000209	East Main St & NE 14th St	Study update - Storm Drain Improvements; \$5,879,400	03000031, 03000032	Dallas	Engineering Project Planning	4		\$ -	City of Grand Prairie
031000210	Marshall Drive from Emerald to SW 3rd	Study update - Storm Drain Improvements; \$3,603,100	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	City of Grand Prairie
031000211	Varsity Drive and Christy St from Varsity to Mountain Creek Lake	Study update - Storm Drain Improvements; \$4,768,500	03000031, 03000032	Dallas	Engineering Project Planning	8		\$ -	City of Grand Prairie

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG (cont.)

FME ID (cont.)	FME Name2	Entities with Oversight	HUC8s	HUC12s	Watersheds	Emergency Need	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
031000168	Big Bear Creek, Little Bear Creek, and Marshall Branch Stream Bank Erosion Study	00000189,00000189,00000191,03000208,03000209,03000224	12030101,12030102,12030103,12030104	120301020704,120301020503,120301020504,120301020505,120301020506	03000076,03000076,03000083,03000084,03000085,03000086			1333	916	11365	0	164		66.2	31696.9		
031000169	Calloway Branch Erosion Control Installation	03000224,03000224	12030102	120301020704,120301020503,120301020505,120301020506,120301020701	03000076,03000076,03000083,03000085,03000086,03000094			681	499	5445	0	100		21.5	335.8		
031000170	Mansfield Stream Stabilization	00000104,00000104,03000105,03000224	12030102	120301020405,120301020601,120301020603,120301020604,120301020605	03000080,03000080,03000087,03000089,03000090,03000091			172	121	774	0	67		8.5	386.9		
031000171	Turkey Creek Trail Bridge	03000209,03000209	12030101	120301010410,120301010411	03000030,03000030,03000031			167	66	872	0	0		4.6	77.6		
031000172	Turkey Creek Trail Rebuild	03000209,03000209	12030101	120301010410,120301010411	03000030,03000030,03000031			167	66	872	0	0		4.6	77.6		
031000173	West Bridgeport Creek Channelization and Drainage Project	03000209,03000209	12030101	120301010408,120301010404,120301010409,120301010405,120301010410,120301010411,120301010602	03000028,03000028,03000024,03000029,03000025,03000030,03000031,03000048			244	105	1036	0	0		8.6	2168.0		
031000174	North Weatherford St and Oakwood St Structure Improvements	03000209,03000209	12030101	120301010404,120301010410,120301010411,120301010508	03000024,03000024,03000030,03000031,03000043			53	33	84	0	0		1.9	81.5		
031000175	Hurstview Drive Bridge Improvement	03000224,03000224	12030102	120301020704,120301020505	03000076,03000076,03000085			81	59	457	0	6		2.8	15.7		
031000176	Regional Detention at Mayfair Park	03000224,03000224	12030102	120301020704,120301020505	03000076,03000076,03000085			230	180	1503	0	44		5.2	9.0		
031000177	TRE & SH-10 Culvert Improvements	03000224,03000224	12030102	120301020704,120301020503,120301020505,120301020506,120301020701	03000076,03000076,03000083,03000085,03000086,03000094			681	499	5445	0	100		21.5	335.8		
031000178	Pipeline Road Bridge Improvement	03000224,03000224	12030102	120301020704,120301020503,120301020505,120301020506,120301020701	03000076,03000076,03000083,03000085,03000086,03000094			681	499	5445	0	100		21.5	335.8		
031000179	Redbud Drive Bridge Improvement	03000224,03000224	12030102	120301020704,120301020505	03000076,03000076,03000085			81	59	457	0	6		2.8	15.7		
031000180	Northeast Mall Culvert Improvement	03000224,03000224	12030102	120301020704,120301020505	03000076,03000076,03000085			99	74	1151	0	3		2.4	7.7		
031000181	Grand Parkway Culvert Crossing	00000013,00000013	12030203	120302030304,120302030306	03000466,03000466,03000468			12	8	50	0	0		2.1	82.2		
031000182	Cherry Point Gully PER	00000013,00000013,00000033	12030203	120302030304	03000466,03000466			5	5	12	0	0		0.0	137.2		
031000183	Cotton Bayou PER	00000013,00000013	12030203	120302030304,120302030306	03000466,03000466,03000468			49	35	143	0	0		2.4	129.5		
031000184	Belt Line Rd (FM1382) at Cottonwood Creek	03000224,03000224,03000225	12030102	120301020706,120301020606,120301020607,120301020702	03000078,03000078,03000092,03000093,03000095			127	107	1162	0	53		6.0	32.3		
031000185	North Grand Prairie High School Pond Crossing	03000225,03000225	12030102	120301020705,120301020706,120301020607	03000077,03000077,03000078,03000093			45	3	936	0	0		3.2	161.2		
031000186	Belt Line Rd at Plattner Creek	03000225,03000225	12030102	120301020606,120301020607	03000092,03000092,03000093			4	4	23	0	5		0.1	3.2		
031000187	Small Hill St at Gopher Creek	03000225,03000225	12030102	120301020705,120301020706,120301020607	03000077,03000077,03000078,03000093			45	3	936	0	0		3.2	161.2		
031000188	Carrier Parkway at Dalworth Creek	03000224,03000224,03000225	12030102	120301020706,120301020607,120301020702	03000078,03000078,03000093,03000095			30	26	115	0	22		1.0	10.4		
031000189	East Tarrant Rd at Gopher Creek	03000225,03000225	12030102	120301020705,120301020706,120301020607	03000077,03000077,03000078,03000093			45	3	936	0	0		3.2	161.2		
031000190	NE 5th St at Gopher Creek	03000225,03000225	12030102	120301020705,120301020706,120301020607	03000077,03000077,03000078,03000093			45	3	936	0	0		3.2	161.2		
031000191	Grass-covered Culvert at Dalworth Creek	03000224,03000224,03000225	12030102	120301020706,120301020607,120301020702	03000078,03000078,03000093,03000095			30	26	115	0	22		1.0	10.4		
031000192	High School Drive at Gopher Creek	03000225,03000225	12030102	120301020705,120301020706,120301020607	03000077,03000077,03000078,03000093			45	3	936	0	0		3.2	161.2		
031000193	Duncan Perry Rd at Johnson Creek	03000224,03000224,03000225	12030102	120301020706,120301020405,120301020606,120301020607,120301020701,120301020702	03000078,03000078,03000080,03000092,03000093,03000094,03000095			525	375	6042	0	84		12.7	38.1		
031000194	Great Southwest Parkway at Cottonwood Creek Bridge and Roadway Raising Improvements (Stream Station 104+64)	03000224,03000224,03000225	12030102	120301020706,120301020607,120301020702	03000078,03000078,03000093,03000095			69	60	425	0	19		2.7	16.4		
031000195	West Park Square Rd at Turner Branch	03000225,03000225	12030102	120301020705,120301020706,120301020607	03000077,03000077,03000078,03000093			45	3	936	0	0		3.2	161.2		
031000196	Carrier Parkway at Cottonwood Creek and South Fork Cottonwood Creek - Bridges	03000224,03000224,03000225	12030102	120301020706,120301020607,120301020702	03000078,03000078,03000093,03000095			69	60	425	0	19		2.7	16.4		
031000197	3rd St at Cottonwood Creek and Cottonwood Creek from SW 3rd to FM 1382	03000224,03000224,03000225	12030102	120301020706,120301020606,120301020607,120301020702	03000078,03000078,03000092,03000093,03000095			127	107	1162	0	53		6.0	32.3		
031000198	FM 661 at Mountain Creek (Future with Development)	00000104,00000104,03000105	12030102,12030109	120301020601,120301020602,120301020603,120301020604,120301090101,120301090102,120301090103	03000087,03000087,03000088,03000089,03000090,03000313,03000314,03000315			174	136	477	0	12		8.6	2270.4		
031000199	Green Hollow Drive North and South of Thornbush Drive	03000225,03000225	12030102	120301020606	03000092,03000092			13	10	115	0	1		0.8	19.7		
031000200	Carrier Parkway & Egyptian Way	03000224,03000224,03000225	12030102	120301020706,120301020405,120301020606,120301020607,120301020701,120301020702	03000078,03000078,03000080,03000092,03000093,03000094,03000095			525	375	6042	0	84		12.7	38.1		
031000201	East Pioneer Parkway & SE 14th St	03000225,03000225	12030102	120301020706,120301020606,120301020607	03000078,03000078,03000092,03000093			3	0	0	0	0		0.5	27.6		
031000202	Great Southwest Parkway & Pinewood Drive	03000224,03000224,03000225	12030102	120301020606,120301020607,120301020702	03000092,03000092,03000093,03000095			17	13	307	0	26		2.1	7.9		
031000203	Lake Park Drive and Victoria Drive	03000225,03000225	12030102	120301020606,120301020607	03000092,03000092,03000093			4	4	23	0	5		0.1	3.2		
031000204	Regional Detention at Bowie Elementary School	03000225,03000225	12030102	120301020706,120301020607	03000078,03000078,03000093			41	34	430	0	8		1.1	7.9		
031000205	Shady Grove Rd - Jones St Storm Drainage Improvements	03000225,03000225	12030102	120301020705	03000077,03000077			68	15	311	0	0		1.6	62.6		
031000206	Duncan Perry Rd, Heritage Court and Goodwin Branch	03000224,03000224,03000225	12030102	120301020701,120301020702	03000094,03000094,03000095			17	17	36	0	3		0.5	2.2		
031000207	Thousand Oaks Court	03000225,03000225	12030102,12030103	120301020705,120301020706,120301031006	03000077,03000077,03000078,03000096			148	35	1260	0	12		1.2	1.2		
031000208	East Marshall Drive, Santa Cruz Circle & Belt Line Rd	03000225,03000225	12030102	120301020606,120301020607	03000092,03000092,03000093			4	4	23	0	5		0.1	3.2		
031000209	East Main St & NE 14th St	03000225,03000225	12030102	120301020705,120301020706,120301020607	03000077,03000077,03000078,03000093			45	3	936	0	0		3.2	161.2		
031000210	Marshall Drive from Emerald to SW 3rd	03000225,03000225	12030102	120301020706,120301020607	03000078,03000078,03000093			41	34	430	0	8		1.1	7.9		
031000211	Varsity Drive and Christy St from Varsity to Mountain Creek Lake	03000225,03000225	12030102	120301020706,120301020606,120301020607	03000078,03000078,03000092,03000093			7	4	23	0	5		0.6	30.8		

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	Study Type	FME Area (sqmi)	Flood Risk Type	Estimated Study Cost (2020 \$)	Sponsor
031000212	SE 10th Street and Avion Parkway from Perman South to Culvert Crossing	Study update - Storm Drain Improvements; \$1,158,400	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	City of Grand Prairie
031000213	SW 3rd Street from Dorris North to Concrete Channel	Study update - Storm Drain Improvements; \$4,024,800	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000214	Bowles St & Hensley Drive	Study update - Storm Drain Improvements; \$1,295,700	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000215	Manana Channel Improvements	Study update - Storm Drain Improvements; \$967,600	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000216	South of Bardin Rd and North of Newberry St	Study update - Storm Drain Improvements; \$2,007,600	03000031, 03000032	Dallas	Engineering Project Planning	5		\$ -	City of Grand Prairie
031000217	Cherokee Trace and Choctaw Trace to Clarice	Study update - Storm Drain Improvements; \$2,715,600	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	City of Grand Prairie
031000218	Gilbert Rd Drainage Improvements	Study update - Storm Drain Improvements; \$5,825,500	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000219	27th Street and Graham Street from Rinehart to Channel	Study update - Storm Drain Improvements; \$1,419,800	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	City of Grand Prairie
031000220	East Marshall Drive & Avenue C, East Coral & SE 14th Street and in SE 14th Street & Bogarte Drive	Study update - Storm Drain Improvements; \$6,399,100	03000031, 03000032	Dallas	Engineering Project Planning	5		\$ -	City of Grand Prairie
031000221	Lakeview Drive & SE 14th Street	Study update - Storm Drain Improvements; \$3,570,700	03000031, 03000032	Dallas	Engineering Project Planning	5		\$ -	City of Grand Prairie
031000222	WE Roberts St & SW 16th St	Study update - Storm Drain Improvements; \$1,625,900	03000031, 03000032	Dallas	Engineering Project Planning	6		\$ -	City of Grand Prairie
031000223	Jelmak Rd - Hardrock Rd	Study update - Storm Drain Improvements; \$5,095,800	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000224	Shady Grove Rd, Gilbert Rd, Wright Blvd	Study update - Storm Drain Improvements; \$2,860,900	03000031, 03000032	Dallas	Engineering Project Planning	6		\$ -	City of Grand Prairie
031000225	Parker Rd - Hardrock Rd	Study update - Storm Drain Improvements; \$5,760,800	03000031, 03000032	Dallas	Engineering Project Planning	5		\$ -	City of Grand Prairie
031000226	North Carrier Parkway & Main St to Dalworth Creek Channel	Study update - Storm Drain Improvements; \$8,803,700	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	City of Grand Prairie
031000227	Pioneer Parkway from Brady to Plattner Creek (TXDOT)	Study update - Storm Drain Improvements; \$9,511,900	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000228	NW 24th St & NW 23rd St from West Main to Ditch Near Dalworth St and Doreen St	Study update - Storm Drain Improvements; \$5,982,600	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	City of Grand Prairie
031000229	Detention Basin at St. Michael's Church Vacant Property and Relief Storm Drains in Corn Valley Rd and Neighboring Streets from Santa Anna to Kirby Creek Channel	Study update - Storm Drain Improvements; \$18,766,400	03000031, 03000032	Dallas	Engineering Project Planning	12		\$ -	City of Grand Prairie
031000230	River Ridge Boulevard	Study update - Storm Drain Improvements; \$6,148,800	03000031, 03000032	Dallas	Engineering Project Planning	8		\$ -	City of Grand Prairie
031000231	East Grand Prairie Rd & 14th Street from Austin to Ditch South of Skyline	Study update - Storm Drain Improvements; \$8,549,300	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	City of Grand Prairie
031000232	Shady Grove Rd	Study update - Storm Drain Improvements; \$6,737,200	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000233	Various Streets and Alleys from Dallas Street West of NW 20th Street to Ditch Just South of WE Roberts Street	Study update - Storm Drain Improvements; \$10,656,800	03000031, 03000032	Dallas	Engineering Project Planning	6		\$ -	City of Grand Prairie
031000234	South Great Southwest Parkway from Warrior to Kirby Creek Concrete Channel North of Mayfield	Study update - Storm Drain Improvements; \$1,411,100	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000235	South Great Southwest Parkway from North of Forum Drive to Prairie Creek Channel	Study update - Storm Drain Improvements; \$2,127,800	03000031, 03000032	Dallas	Engineering Project Planning	6		\$ -	City of Grand Prairie
031000236	South Great Southwest Parkway from Sherman to Cottonwood Creek	Study update - Storm Drain Improvements; \$6,881,500	03000031, 03000032	Dallas	Engineering Project Planning	6		\$ -	City of Grand Prairie
031000237	Arbor Creek Pedestrian Bridge Repair and Channel Bottom Stabilization	270 feet south of Johnson Creek and 290 feet east of SH 161; \$270,900	03000031, 03000032	Dallas	Engineering Project Planning	21		\$ -	City of Grand Prairie
031000238	Gopher Creek Stream Bottom Stabilization	downstream of NE 5th Street; between High School Drive and NE 5th Street; downstream of Belt Line Road; \$65,600 (?) + \$127,300; downstream of High School Drive; \$70,500	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000239	Turner Branch Stream Bottom Stabilization	380 feet south of Small Hill Street to 450 feet north of East Tarrant Road; \$187,200 (?)	03000031, 03000032	Dallas	Engineering Project Planning	4		\$ -	City of Grand Prairie
031000240	Arbor Creek Channel Bottom Stabilization	Channelization, Stabilization, and Bank Armoring from SH 161 East to Johnson Creek Confluence; \$2,096,900; from Duncan Perry to SH 161; \$991,600	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000241	North Fork of Cottonwood Creek Stabilization	from Great Southwest to Carrier; \$214,900	03000031, 03000032	Dallas	Engineering Project Planning	1		\$ -	City of Grand Prairie
031000242	Kirby Creek Channel Lining Replacements	from 800 feet east of Great Southwest to West of Waterwood; just north of Kildeer cul-de-sac and from Waterwood East to End of Channel Lining just east of Greenvista; \$1,267,200	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000243	Dry Branch Stream Bottom Stabilization	300 feet south of Rock Island (2 locations); \$91,300	03000031, 03000032	Dallas	Engineering Project Planning	1		\$ -	City of Grand Prairie
031000244	Johnson Creek Avenue J Stabilization	Bridge abutment repair and channel bank stabilization; \$168,500	03000031, 03000032	Dallas	Engineering Project Planning	21		\$ -	City of Grand Prairie
031000245	Garden Branch Stabilization	Channel bottom stabilization from Camp Wisdom to Great Southwest; \$176,100	03000031, 03000032	Dallas	Engineering Project Planning	1		\$ -	City of Grand Prairie
031000246	Warrior Creek Stabilization	From Great Southwest to South Fork Cottonwood Creek; \$518,500	03000031, 03000032	Dallas	Engineering Project Planning	10		\$ -	City of Grand Prairie
031000247	Dalworth Creek Stabilization	Repair of gabions and protection of wastewater crossing downstream of I-30; \$402,000; from Dalworth Street to Roman; \$278,900	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	City of Grand Prairie
031000248	South Fork Cottonwood Creek	from Great Southwest to Carrier; \$781,200	03000031, 03000032	Dallas	Engineering Project Planning	5		\$ -	City of Grand Prairie
031000249	Willis Branch Stabilization	Dam removal and south channel bank stabilization just west of Devon cul-de-sac; \$48,600; from Great Southwest to Sheffield; \$200,700	03000031, 03000032	Dallas	Engineering Project Planning	7		\$ -	City of Grand Prairie
031000250	Johnson Creek Stabilization	Replacement of failed inline channel structure 500 feet east of SH 161 and channel sediment removal; \$1,979,000; south channel bank stabilization north of Babbling Brook from Quest to Shadow Pass; \$831,700; north channel bank stabilization north of North	03000031, 03000032	Dallas	Engineering Project Planning	21		\$ -	City of Grand Prairie
031000251	Henry Branch Stream Stabilization	from apartments at 1000 South Belt Line to Grand Prairie Road; \$127,900	03000031, 03000032	Dallas	Engineering Project Planning	2		\$ -	City of Grand Prairie
031000252	Plattner Creek Stabilization	from FM 1382 to City Limits of Dallas, west of SE 14th; \$252,900	03000031, 03000032	Dallas	Engineering Project Planning	3		\$ -	City of Grand Prairie
031000253	Prairie Creek Stabilization	from upstream of Great Southwest Pkwy to upstream of Robinson Road; \$606,900	03000031, 03000032	Dallas	Engineering Project Planning	6		\$ -	City of Grand Prairie
031000254	Stuart Branch Stabilization	from 460 feet north of Sanctuary Drive and 350 feet northeast of Nature Court cul-de-sac to Joe Pool Lake (future with development); \$349,700	03000031, 03000032	Dallas	Engineering Project Planning	6		\$ -	City of Grand Prairie
031000255	Swadley Branch Stabilization	from 2200 feet south of Koscher Drive to Joe Pool Lake (future with development); \$286,800	03000031, 03000032	Dallas	Engineering Project Planning	4		\$ -	City of Grand Prairie

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG (cont.)

FME ID (cont.)	FME Name2	Entities with Oversight	HUC8s	HUC12s	Watersheds	Emergency Need	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
031000212	SE 10th Street and Avion Parkway from Perman South to Culvert Crossing	03000225,03000225	12030102	120301020706, 120301020607	03000078,03000078,03000093			41	34	430	0	8		1.1	7.9		
031000213	SW 3rd Street from Dorris North to Concrete Channel	03000225,03000225	12030102	120301020606, 120301020607	03000092,03000092,03000093			4	4	23	0	5		0.1	3.2		
031000214	Bowles St & Hensley Drive	03000225,03000225	12030102	120301020706, 120301020607	03000078,03000078,03000093			15	0	14	0	0		1.0	9.6		
031000215	Manana Channel Improvements	03000225,03000225	12030102,12030103	120301020705, 120301020706, 120301031006	03000077,03000077,03000078,03000096			148	35	1260	0	12		1.2	1.2		
031000216	South of Bardin Rd and North of Newberry St	03000224,03000224,03000225	12030102	120301020606	03000092,03000092			16	13	128	0	1		1.3	26.9		
031000217	Cherokee Trace and Choctaw Trace to Clarice	03000225,03000225	12030102	120301020706, 120301020607	03000078,03000078,03000093			41	34	430	0	8		1.1	7.9		
031000218	Gilbert Rd Drainage Improvements	03000225,03000225	12030102,12030103	120301020705, 120301020706, 120301031006	03000077,03000077,03000078,03000096			148	35	1260	0	12		1.2	1.2		
031000219	27th Street and Graham Street from Rinehart to Channel	03000225,03000225	12030102,12030105	120301020706, 120301050102	03000078,03000078,03000169			42	0	150	0	0		1.8	166.2		
031000220	East Marshall Drive & Avenue C, East Coral & SE 14th Street and in SE 14th Street & Bogarte Drive	03000225,03000225	12030102	120301020706, 120301020606, 120301020607	03000078,03000078,03000092,03000093			3	0	0	0	0		0.5	27.6		
031000221	Lakeview Drive & SE 14th Street	03000225,03000225	12030102	120301020706, 120301020606, 120301020607	03000078,03000078,03000092,03000093			3	0	0	0	0		0.5	27.6		
031000222	WE Roberts St & SW 16th St	03000224,03000224,03000225	12030102	120301020706, 120301020607, 120301020702	03000078,03000078,03000093,03000095			69	60	425	0	19		2.7	16.4		
031000223	Jelmak Rd - Hardrock Rd	03000224,03000224,03000225	12030102	120301020705, 120301020701	03000077,03000077,03000094			30	16	181	0	0		2.6	138.4		
031000224	Shady Grove Rd, Gilbert Rd, Wright Blvd	03000224,03000224,03000225	12030102,12030103	120301020705, 120301020706, 120301020701, 120301031006	03000077,03000077,03000078,03000094,03000096			178	51	1441	0	12		3.8	139.6		
031000225	Parker Rd - Hardrock Rd	03000224,03000224,03000225	12030102	120301020705, 120301020706, 120301020701	03000077,03000077,03000078,03000094			55	24	696	0	0		3.4	234.6		
031000226	North Carrier Parkway & Main St to Dalworth Creek Channel	03000224,03000224,03000225	12030102	120301020706, 120301020607, 120301020702	03000078,03000078,03000093,03000095			30	26	115	0	22		1.0	10.4		
031000227	Pioneer Parkway from Brady to Plattner Creek (TXDOT)	03000225,03000225	12030102	120301020606, 120301020607	03000092,03000092,03000093			4	4	23	0	5		0.1	3.2		
031000228	NW 24th St & NW 23rd St from West Main to Ditch Near Dalworth St and Doreen St	03000224,03000224,03000225	12030102	120301020706, 120301020607, 120301020702	03000078,03000078,03000093,03000095			30	26	115	0	22		1.0	10.4		
031000229	Detention Basin at St. Michael's Church Vacant Property and Relief Storm Drains in Corn Valley Rd and Neighboring Streets from Santa Anna to Kirby Creek Channel	03000224,03000224,03000225	12030102	120301020706, 120301020606, 120301020607	03000078,03000078,03000092,03000093			10	5	27	0	11		1.2	61.3		
031000230	River Ridge Boulevard	03000224,03000224,03000225	12030102	120301020705, 120301020706, 120301020701, 120301020702	03000077,03000077,03000078,03000094,03000095			42	18	917	0	0		6.4	197.3		
031000231	East Grand Prairie Rd & 14th Street from Austin to Ditch South of Skyline	03000225,03000225	12030102	120301020706, 120301020607	03000078,03000078,03000093			12	12	309	0	0		0.1	2.3		
031000232	Shady Grove Rd	03000224,03000224,03000225	12030102	120301020705, 120301020706, 120301020701	03000077,03000077,03000078,03000094			66	16	297	0	0		1.6	43.2		
031000233	Various Streets and Alleys from Dallas Street West of NW 20th Street to Ditch Just South of WE Roberts Street	03000224,03000224,03000225	12030102	120301020706, 120301020607, 120301020702	03000078,03000078,03000093,03000095			69	60	425	0	19		2.7	16.4		
031000234	South Great Southwest Parkway from Warrior to Kirby Creek Concrete Channel North of Mayfield	03000224,03000224,03000225	12030102	120301020606, 120301020607	03000092,03000092,03000093			0	0	0	0	6		0.2	7.4		
031000235	South Great Southwest Parkway from North of Forum Drive to Prairie Creek Channel	03000224,03000224,03000225	12030102	120301020606, 120301020607, 120301020702	03000092,03000092,03000093,03000095			27	21	425	0	1		3.9	7.8		
031000236	South Great Southwest Parkway from Sherman to Cottonwood Creek	03000224,03000224,03000225	12030102	120301020706, 120301020607, 120301020702	03000078,03000078,03000093,03000095			69	60	425	0	19		2.7	16.4		
031000237	Arbor Creek Pedestrian Bridge Repair and Channel Bottom Stabilization	03000224,03000224,03000225	12030102	120301020706, 120301020405, 120301020606, 120301020607, 120301020701, 120301020702	03000078,03000078,03000080,03000092,03000093,03000094,03000095			525	375	6042	0	84		12.7	43.6		
031000238	Gopher Creek Stream Bottom Stabilization	03000225,03000225	12030102	120301020706, 120301020607	03000078,03000078,03000093			20	3	379	0	0		2.4	142.1		
031000239	Turner Branch Stream Bottom Stabilization	03000225,03000225	12030102	120301020705, 120301020706, 120301020607	03000077,03000077,03000078,03000093			45	3	936	0	0		3.2	161.2		
031000240	Arbor Creek Channel Bottom Stabilization	03000224,03000224,03000225	12030102	120301020706, 120301020701, 120301020702	03000078,03000078,03000094,03000095			35	21	2001	0	5		1.9	46.8		
031000241	North Fork of Cottonwood Creek Stabilization	03000224,03000224,03000225	12030102	120301020607	03000093,03000093			6	1	50	0	19		1.1	14.6		
031000242	Kirby Creek Channel Lining Replacements	03000224,03000224,03000225	12030102	120301020606, 120301020607	03000092,03000092,03000093			0	0	0	0	6		0.2	7.4		
031000243	Dry Branch Stream Bottom Stabilization	03000225,03000225	12030102	120301020705	03000077,03000077			42	0	127	0	0		0.8	57.1		
031000244	Johnson Creek Avenue J Stabilization	03000224,03000224,03000225	12030102	120301020706, 120301020405, 120301020606, 120301020607, 120301020701, 120301020702	03000078,03000078,03000080,03000092,03000093,03000094,03000095			525	375	6042	0	84		12.7	38.1		
031000245	Garden Branch Stabilization	03000224,03000224	12030102	120301020606	03000092,03000092			1	0	0	0	5		0.1	9.6		
031000246	Warrior Creek Stabilization	03000224,03000224,03000225	12030102	120301020706, 120301020606, 120301020607, 120301020702	03000078,03000078,03000092,03000093,03000095			86	73	732	0	45		4.9	24.4		
031000247	Dalworth Creek Stabilization	03000224,03000224,03000225	12030102	120301020706, 120301020607, 120301020702	03000078,03000078,03000093,03000095			30	26	115	0	22		1.0	10.4		
031000248	South Fork Cottonwood Creek	03000224,03000224,03000225	12030102	120301020606, 120301020607, 120301020702	03000092,03000092,03000093,03000095			17	13	307	0	26		2.1	7.9		
031000249	Willis Branch Stabilization	03000224,03000224,03000225	12030102	120301020605, 120301020606	03000091,03000091,03000092			45	39	340	0	11		2.3	48.5		
031000250	Johnson Creek Stabilization	03000224,03000224,03000225	12030102	120301020706, 120301020405, 120301020606, 120301020607, 120301020701, 120301020702	03000078,03000078,03000080,03000092,03000093,03000094,03000095			525	375	6042	0	84		12.7	38.1		
031000251	Henry Branch Stream Stabilization	03000225,03000225	12030102	120301020706, 120301020607	03000078,03000078,03000093			41	34	430	0	8		1.1	7.9		
031000252	Plattner Creek Stabilization	03000225,03000225	12030102	120301020606, 120301020607	03000092,03000092,03000093			4	4	23	0	5		0.1	3.2		
031000253	Prairie Creek Stabilization	03000224,03000224,03000225	12030102	120301020606, 120301020607, 120301020702	03000092,03000092,03000093,03000095			27	21	425	0	1		3.9	7.8		
031000254	Stuart Branch Stabilization	03000105,03000105,03000225	12030102,12030105,12030109	120301020603, 120301050301, 120301090301	03000089,03000089,03000181,03000297			9	9	22	0	0		0.4	14.1		
031000255	Swadley Branch Stabilization	03000105,03000105,03000224,03000225	12030102	120301020603, 120301020605	03000089,03000089,03000091			4	2	4	0	0		0.0	108.3		

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	Study Type	FME Area (sqmi)	Flood Risk Type	Estimated Study Cost (2020 \$)	Sponsor
031000256	Mills Branch Stabilization	from 880 feet south of South Periwinkle Court cul-de-sac to Joe Pool Lake (future with development); \$599,300	03000031, 03000032	Dallas	Engineering Project Planning	4		\$ -	City of Grand Prairie
031000257	Tarrell Creek Stabilization	from a Stream Point 2420 feet south of South Periwinkle Court cul-de-sac and 800 feet east of South Periwinkle Court cul-de-sac to Joe Pool Lake (future with development); \$747,200	03000031, 03000032	Dallas	Engineering Project Planning	4		\$ -	City of Grand Prairie
031000258	Jackson Meadows Pond Erosion Control	Erosion control measures around three pond headwalls to decrease flow velocity.	03000031, 03000032	Collin , Dallas	Engineering Project Planning	6		\$ -	City of Sachse
031000259	Long Branch Channel Improvements (Dewitt to Ingram)	Channel improvements to replace a failed headwall and reduce erosive velocities. Sewer line relocation to protect against potential failure due to erosion.	03000031, 03000032	Collin , Dallas	Engineering Project Planning	6		\$ -	City of Sachse
031000260	North Colony Blvd. at Powers Street	Streams SC-1A Drainage Study and storm drain upgrades to deal with flooding	03000005, 03000006, 03000007, 03000008, 03000009, 03000010	Denton	Engineering Project Planning	3		\$ -	City of The Colony

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG (cont.)

FME ID (cont.)	FME Name2	Entities with Oversight	HUC8s	HUC12s	Watersheds	Emergency Need	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
031000256	Mills Branch Stabilization	03000105,03000105,03000224,03000225	12030102	120301020603,120301020605	03000089,03000089,03000091			4	2	4	0	0		0.0	108.3		
031000257	Tarrell Creek Stabilization	03000105,03000105,03000224,03000225	12030102	120301020603,120301020605	03000089,03000089,03000091			4	2	4	0	0		0.0	108.3		
031000258	Jackson Meadows Pond Erosion Control	00000207,00000207,03000225	12030106	120301060403,120301060408	03000205,03000205,03000230			45	30	100	0	17		1.1	198.7		
031000259	Long Branch Channel Improvements (Dewitt to Ingram)	00000207,00000207,03000225	12030106	120301060403,120301060408	03000205,03000205,03000230			45	30	100	0	17		1.1	198.7		
031000260	North Colony Blvd. at Powers Street	03000208,03000208	12030103	120301030906,120301031003	03000144,03000144,03000147			7	7	26	0	0		0.5	10.2		

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	Study Type	FME Area (sqmi)	Flood Risk Type	Estimated Study Cost (2020 \$)	Sponsor
031000261	Office Creek Drainage Study	Update Drainage Study and Improvements at Five Star Park	03000005, 03000006, 03000007, 03000008, 03000009, 03000010	Denton	Engineering Project Planning	2		\$ -	City of The Colony
031000262	Bill Allen Park Erosion Repairs	Blair Oaks Drive to Good Shepherd Lutheran Church	03000031, 03000032	Denton	Engineering Project Planning	5		\$ -	City of The Colony
031000263	Johnson County Low Water Crossings - East Side	Hydraulic evaluation to determine how to reduce flooding risk at multiple low water crossings.	03000003, 03000004, 03000009, 03000010	Johnson	Engineering Project Planning	731		\$ -	Johnson County
031000264	Johnson County Low Water Crossings - West Side	Hydraulic evaluation to determine how to reduce flooding risk at multiple low water crossings.	03000003, 03000004, 03000009, 03000010	Johnson	Engineering Project Planning	731		\$ -	Johnson County
031000265	Tributary SB-1: Circle Lane Culvert Improvements	Evaluate and define necessary culvert improvements.	03000003, 03000004, 03000009, 03000010, 03000031, 03000032	Tarrant	Engineering Project Planning	5		\$ -	City of Bedford
031000266	Tributary SB-1: Shirley Way Culvert Improvements	Evaluate and define necessary culvert improvements.	03000003, 03000004, 03000009, 03000010, 03000031, 03000032	Tarrant	Engineering Project Planning	5		\$ -	City of Bedford
031000267	Tributary SB-1: Briar Drive Culvert Improvements	Evaluate and define necessary culvert improvements.	03000003, 03000004, 03000009, 03000010, 03000031, 03000032	Tarrant	Engineering Project Planning	5		\$ -	City of Bedford
031000268	Tributary SB-1: Schumac Lane Culvert Improvements	Evaluate and define necessary culvert improvements.	03000003, 03000004, 03000009, 03000010, 03000031, 03000032	Tarrant	Engineering Project Planning	11		\$ -	City of Bedford
031000269	Tributary SB-1: Donna Lane Culvert Improvements	Evaluate and define necessary culvert improvements.	03000003, 03000004, 03000009, 03000010, 03000031, 03000032	Tarrant	Engineering Project Planning	5		\$ -	City of Bedford
031000270	Sulphur Branch: Circle Lane Culvert Improvements	Evaluate and define necessary culvert improvements.	03000003, 03000004, 03000009, 03000010, 03000031, 03000032	Tarrant	Engineering Project Planning	5		\$ -	City of Bedford
031000271	Sulphur Branch: Bedford Road Culvert Improvements	Evaluate and define necessary culvert improvements.	03000003, 03000004, 03000009, 03000010, 03000031, 03000032	Tarrant	Engineering Project Planning	2		\$ -	City of Bedford
031000272	Fairfield South Bateman Drainage Study	Fairfield South Bateman Drainage Study	03000005, 03000006	Freestone	Engineering Project Planning	9		\$ -	Fairfield
031000273	City of Plano DMP	Evaluate alternatives for citywide drainage improvements for areas with history of flooding.	03000031, 03000032	Collin	Watershed Planning	72		\$ -	City of Plano
031000274	Collin County flooding hazard/vulnerability assessment	Develop and implement a hazard/vulnerability assessment for personal properties and structures located in the floodplain.	03000013, 03000014	Collin	Studies on Flood Preparedness	883		\$ -	Collin County
031000275	Houston County Lake Dam Emergency Action Plan	Develop Emergency Action Plan for Houston County Lake Dam	03000001, 03000002	Houston	Studies on Flood Preparedness	1232		\$ -	Houston County
031000276	Grayson County Dams Compliance Assessment	Determine owners of all high and significant hazard dams and obtain copies of all EAPs. Obtain available dam failure impact data necessary for determining most appropriate mitigation approach that would achieve compliance with the State's TCEQ regulations	03000001, 03000002, 03000029, 03000030, 03000039, 03000040	Grayson	Studies on Flood Preparedness	976		\$ -	Grayson County
031000277	Denton County USDA (NRCS) Dam Studies and Rehabilitation	USDA (NRCS) Dam Studies and Rehabilitation	03000009, 03000010, 03000029, 03000030	Denton	Other - Dam Studies	948		\$ -	Denton County
031000278	Spring Creek Retaining Walls	Implement results from the 2021 Spring Creek Erosion and Retaining Wall Assessment project. This project identified 19 locations with recommended repairs/maintenance to erosion structures.		Dallas	Project Planning	36		\$ -	City of Garland
031000279	Colonel Palm Valley Drainage Improvements	Implement results from the Colonel Drive Drainage Study. This study identified mitigation options in Coloneal Drive and Palm Valley Drive.		Dallas	Project Planning	6		\$ -	City of Garland
031000280	Ashville Drive Drainage Improvements	Implement results from the Ashville Drainage Study. This study identified recommended mitigation options that can provide 100-year protection and minimal improvements for greater frequency storm events.		Dallas	Project Planning	6		\$ -	City of Garland
031000281	Freeman Heights Drainage Improvements	Implement results from the Garland-Freeman Height Drainage Study. This study identified improvement projects for the storm sewer.		Dallas	Project Planning	5		\$ -	City of Garland
031000282	Tobin trail Drainage Analysis	Implement results from the Tobin Trail Drainage Study. This study identified mitigation options to determine what solutions can be provided to eliminate or reduce flooding that occurs in Tobin Trail.		Dallas	Project Planning	6		\$ -	City of Garland
031000283	Whites Bayou/Spring Branch Flood Study	Flood study north of I-10 through Hankamer		Chambers	Watershed Planning	15		\$ -	Chambers County
031000284	Predicted Maximum Probable Inundation Map	Use NWS gage height forecasts from the River Forecast Center to generate a potential floodplain along the main stem of the Trinity River.			Watershed Planning	17849		\$ -	Trinity River Authority
031000285	Headwaters of South Fork Trinity River Tributaries Through Hudson Oaks	Study to determine flooding issues and potential future projects.		Parker	Watershed Planning	6		\$ -	Hudson Oaks
031000286	Headwaters of Clear Fork Trinity River Tributaries Through Hudson Oaks	Study to determine flooding issues and potential future projects.		Parker	Watershed Planning	5		\$ -	Hudson Oaks
031000287	Headwaters of Willow Creek Regulatory Floodplain Determination Study	Mapping study for Headwaters of Willow Creek through Mansfield ETJ.		Tarrant	Watershed Planning	6		\$ -	Mansfield
031000288	Mountain Creek and Tribs Regulatory Floodplain Determination Study	Mapping study for Mountain Creek and Tribs through Mansfield ETJ.		Johnson, Ellis	Watershed Planning	18		\$ -	Mansfield
031000289	Hogpen Creek and Detention Facilities H&H Modeling Update	Detailed headwaters study completed with detention. Needs a connectivity H&H modeling with identified detention.		Tarrant	Watershed Planning	6		\$ -	Mansfield
031000290	Rock Creek Watershed Study	Study to improve knowledge of flood risks and facilitate the analysis of proposed developments within or adjacent to the floodplain.		Johnson	Watershed Planning	11		\$ 15,000	City of Burleson
031000291	Walnut Creek Watershed Study	Study to improve knowledge of flood risks and facilitate the analysis of proposed developments within or adjacent to the floodplain.		Johnson	Watershed Planning	3		\$ 150,000	City of Burleson
031000292	North Creek Watershed Study	Study to improve knowledge of flood risks and facilitate the analysis of proposed developments within or adjacent to the floodplain.		Johnson, Tarrant	Watershed Planning	3		\$ 45,000	City of Burleson
031000293	Quil Miller Creek Watershed Study	Study to improve knowledge of flood risks and facilitate the analysis of proposed developments within or adjacent to the floodplain.		Johnson	Watershed Planning	23		\$ 265,000	City of Burleson

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG (cont.)

FME ID (cont.)	FME Name2	Entities with Oversight	HUC8s	HUC12s	Watersheds	Emergency Need	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
031000261	Office Creek Drainage Study	03000208,03000208	12030103	120301030906,120301031001,120301031003	03000144,03000144,03000145,03000147			19	0	27	0	0		0.5	23.5		
031000262	Bill Allen Park Erosion Repairs	03000208,03000208	12030103	120301030906,120301031001,120301031003	03000144,03000144,03000145,03000147			52	2	127	0	0		1.1	167.4		
031000263	Johnson County Low Water Crossings - East Side	00000103,00000103,00000104,03000105,00000122,00000161,03000224	12030102,12030109	120301020301,120301020302,120301020303,120301020304,120301020401,120301020402,120301020601,120301020602,120301020603,120301020604,120301020605,120301090101,120301090102,120301090103,120301090106,120301090107	03000065,03000065,03000066,03000067,03000068,03000072,03000073,03000087,03000088,03000089,03000090,03000091,03000313,03000314,03000315,03000318,03000319			1467	1072	4645	0	108		50.2	11546.1		
031000264	Johnson County Low Water Crossings - West Side	00000103,00000103,00000104,03000105,00000122,00000161,03000224	12030102,12030109	120301020301,120301020302,120301020303,120301020304,120301020401,120301020402,120301020601,120301020602,120301020603,120301020604,120301020605,120301090101,120301090102,120301090103,120301090106,120301090107	03000065,03000065,03000066,03000067,03000068,03000072,03000073,03000087,03000088,03000089,03000090,03000091,03000313,03000314,03000315,03000318,03000319			1467	1072	4645	0	108		50.2	11546.1		
031000265	Tributary SB-1: Circle Lane Culvert Improvements	03000224,03000224	12030102	120301020704,120301020505,120301020701	03000076,03000076,03000085,03000094			157	112	1582	0	5		3.4	3.5		
031000266	Tributary SB-1: Shirley Way Culvert Improvements	03000224,03000224	12030102	120301020704,120301020505,120301020701	03000076,03000076,03000085,03000094			157	112	1582	0	5		3.4	3.5		
031000267	Tributary SB-1: Briar Drive Culvert Improvements	03000224,03000224	12030102	120301020704,120301020505,120301020701	03000076,03000076,03000085,03000094			157	112	1582	0	5		3.4	3.5		
031000268	Tributary SB-1: Schumac Lane Culvert Improvements	03000224,03000224	12030102	120301020704,120301020505,120301020701	03000076,03000076,03000085,03000094			256	199	4333	0	31		5.3	140.3		
031000269	Tributary SB-1: Donna Lane Culvert Improvements	03000224,03000224	12030102	120301020704,120301020505,120301020701	03000076,03000076,03000085,03000094			157	112	1582	0	5		3.4	3.5		
031000270	Sulphur Branch: Circle Lane Culvert Improvements	03000224,03000224	12030102	120301020704,120301020505,120301020701	03000076,03000076,03000085,03000094			157	112	1582	0	5		3.4	3.5		
031000271	Sulphur Branch: Bedford Road Culvert Improvements	03000224,03000224	12030102	120301020505,120301020701	03000085,03000085,03000094									2.3			
031000272	Fairfield South Bateman Drainage Study	00000143,00000143	12030201	120302010107,120302010109,120302010601	03000337,03000337,03000339,03000366			37	23	59	0	0		1.2	318.1		
031000273	City of Plano DMP	00000207,00000207,03000208	12030103,12030105,12030106	120301030906,120301031003,120301050103,120301050104,120301060403,120301060407,120301060404,120301060405,120301060406	03000144,03000144,03000147,03000170,03000173,03000205,03000206,03000227,03000228,03000229			431	330	11360	0	96		18.4	695.4		
031000274	Collin County flooding hazard/vulnerability assessment	00000175,00000175,00000188,00000190,00000207,03000208,00000212,03000225	12030103,12030105,12030106	120301020606,120301020607	03000092,03000092,03000093			2311	1642	21104	0	192		112.9	26457.1		
031000275	Houston County Lake Dam Emergency Action Plan	00000053,00000053,00000055,00000065,00000128,00000132,00000156	12030201,12030202	120301020606,120301020607	03000327,03000327,03000328,03000329,03000330,03000358,03000371,03000372,03000373,03000384,03000385,03000386,03000387,03000388,03000390,03000406,03000407,03000408,03000409,03000410,03000411,03000412,03000413,03000414,03000416,03000417,03000428			435	200	343	0	71		42.8	62056.9		
031000276	Grayson County Dams Compliance Assessment	00000188,00000188,00000189,00000190,00000207,03000208	12030103,12030106	120301030201,120301030202,120301030304,120301030203,120301030204,120301030205,120301030206,120301030701,120301030704,120301030702,120301060105,120301060201,120301060202,120301060104,120301060204,120301060301,120301060302	03000103,03000103,03000104,03000108,03000120,03000121,03000122,03000123,03000129,03000131,03000132,03000210,03000211,03000212,03000213,03000215,03000220,03000221			312	236	458	0	2		34.9	11267.0		
031000277	Denton County USDA (NRCS) Dam Studies and Rehabilitation	00000190,00000190,00000207,03000208,03000224,03000225	12030103,12030104,12030105	120301030201,120301030202,120301030304,120301030203,120301030204,120301030205,120301030206,120301030701,120301030704,120301030702,120301060105,120301060201,120301060202,120301060104,120301060204,120301060301,120301060302	03000103,03000103,03000104,03000108,03000120,03000121,03000122,03000123,03000129,03000131,03000132,03000210,03000211,03000212,03000213,03000215,03000220,03000221			4350	2234	19275	0	300		210.2	43641.2		
031000278	Spring Creek Retaining Walls	00000207,00000207,03000225	12030105,12030106	120301050103,120301050104,120301060407,120301060406,120301060408,120301060501	03000170,03000170,03000173,03000206,03000229,03000230,03000232			311	257	9024	0	86		13.1	83.0		
031000279	Colonel Palm Valley Drainage Improvements	03000225,03000225	12030106	120301060408,120301060409,120301060501	03000230,03000230,03000231,03000232			11	8	26	0	6		0.5	84.7		
031000280	Ashville Drive Drainage Improvements	03000225,03000225	12030106	120301060408,120301060501	03000230,03000230,03000232			249	226	943	0	31		4.0	44.8		
031000281	Freeman Heights Drainage Improvements	03000225,03000225	12030106	120301060408,120301060501	03000230,03000230,03000232			47	27	337	0	35		1.9	7.4		
031000282	Tobin trail Drainage Analysis	03000225,03000225	12030106	120301060408,120301060501	03000230,03000230,03000232			249	226	943	0	31		4.0	44.8		
031000283	Whites Bayou/Spring Branch Flood Study	00000013,00000013,00000033	12030203	120302030204	03000462,03000462			136	63	128	0	0		2.6	2185.4		
031000284	Predicted Maximum Probable Inundation Map																
031000285	Headwaters of South Fork Trinity River Tributaries Through Hudson Oaks																
031000286	Headwaters of Clear Fork Trinity River Tributaries Through Hudson Oaks																
031000287	Headwaters of Willow Creek Regulatory Floodplain Determination Study																
031000288	Mountain Creek and Tribs Regulatory Floodplain Determination Study																
031000289	Hogpen Creek and Detention Facilities H&H Modeling Update																
031000290	Rock Creek Watershed Study																
031000291	Walnut Creek Watershed Study																
031000292	North Creek Watershed Study																
031000293	Quil Miller Creek Watershed Study																

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goal No.	Counties	Study Type	FME Area (sqmi)	Flood Risk Type	Estimated Study Cost (2020 \$)	Sponsor
031000294	Hurst Creek Watershed Study	Study to improve knowledge of flood risks and facilitate the analysis of proposed developments within or adjacent to the floodplain.		Johnson	Watershed Planning	1		\$ 25,000	City of Burleson
031000295	City of Wilmer DMP	Evaluate City and identify future projects.	03000007, 03000008, 03000009, 03000010	Dallas	Watershed Planning	8		\$ 250,000	City of Wilmer
031000296	Alta Mesa Branch at Persimmon Road	Evaluate bridge improvements for Persimmon Road over Alta Mesa Branch		Dallas	Engineering Project Planning				City of Dallas
031000297	Alta Mesa Branch at Simpson Stuart Road	Evaluate culvert improvements for Simpson Stuart Road over Alta Mesa Branch		Dallas	Engineering Project Planning				City of Dallas
031000298	Alta Mesa Branch at Tracy Road	Evaluate bridge improvements: Tracy Road over Alta Mesa Branch		Dallas	Engineering Project Planning				City of Dallas
031000299	Ricketts Branch at Camp Wisdom Road	Evaluate bridge improvements for Camp Wisdom Road over Ricketts Branch (2 structures)		Dallas	Engineering Project Planning				City of Dallas
031000300	Ricketts Branch at IH 35E Service	Evaluate bridge improvements for IH 35E over Ricketts Branch		Dallas	Engineering Project Planning				City of Dallas
031000301	Runyon Springs Branch at Crouch Road	Evaluate bridge improvements for Crouch Road over Runyon Springs Branch		Dallas	Engineering Project Planning				City of Dallas
031000302	Whites Branch at Langdon Road	Evaluate bridge improvements for Langdon Road over Whites Branch		Dallas	Engineering Project Planning				City of Dallas
031000303	Wilson Branch at Bonnie View Road	Evaluate bridge improvements for Bonnie View Road over Wilson Branch		Dallas	Engineering Project Planning				City of Dallas
031000304	Wilson Branch at J J Lemmon Road	Evaluate bridge improvements for J J Lemmon Road over Wilson Branch		Dallas	Engineering Project Planning				City of Dallas
031000305	Wilson Branch at Tioga Street	Evaluate bridge improvements for Tioga Street over Wilson Branch		Dallas	Engineering Project Planning				City of Dallas
031000306	Woody Branch at Loop 12	Evaluate bridge improvements for Loop 12 over Woody Branch		Dallas	Engineering Project Planning				City of Dallas
031000307	Hutchins Creek at Denton Street	Evaluate culvert improvements for Denton Street over Hutchins Creek		Dallas	Engineering Project Planning				City of Hutchins
031000308	Hutchins Creek at J J Lemmon Street	Evaluate bridge improvements for J J Lemmon Street over Hutchins Creek		Dallas	Engineering Project Planning				City of Hutchins
031000309	Hutchins Creek at Main Street	Evaluate bridge improvements for Main Street over Hutchins Creek		Dallas	Engineering Project Planning				City of Hutchins
031000310	Rawlins Creek at Dowdy Ferry Road	Evaluate bridge improvements for Dowdy Ferry Road over Rawlins Creek		Dallas	Engineering Project Planning				City of Hutchins
031000311	Rawlins Creek at IH 45	Evaluate bridge improvements for IH 45 over Rawlins Creek		Dallas	Engineering Project Planning				City of Hutchins
031000312	Rawlins Creek at Main Street	Evaluate bridge improvements for Main Street over Rawlins Creek		Dallas	Engineering Project Planning				City of Hutchins
031000313	Stream 4A4 at Goode Road	Evaluate bridge improvements for Goode Road over Stream 4A4		Dallas	Engineering Project Planning				City of Hutchins
031000314	Stream 4A4 at IH 45	Evaluate bridge improvements for IH 45 over Stream 4A4		Dallas	Engineering Project Planning				City of Hutchins
031000315	Stream 4B4 at Austin Street	Evaluate culvert improvements for Austin Street over Stream 4B4		Dallas	Engineering Project Planning				City of Hutchins
031000316	Stream 4B4 at Crestridge Drive	Evaluate culvert improvements for Crestridge Drive over Stream 4B4		Dallas	Engineering Project Planning				City of Hutchins
031000317	Stream 4B4 at Denton Street	Evaluate culvert improvements for Denton Street over Stream 4B4		Dallas	Engineering Project Planning				City of Hutchins
031000318	Halls Branch at 1st Street	Evaluate bridge improvements for 1st Street over Halls Branch		Dallas	Engineering Project Planning				City of Lancaster
031000319	Halls Branch at 4th Street	Evaluate bridge improvements for 4th Street over Halls Branch		Dallas	Engineering Project Planning				City of Lancaster
031000320	Halls Branch at 6th Street	Evaluate bridge improvements for 6th Street over Halls Branch		Dallas	Engineering Project Planning				City of Lancaster
031000321	Halls Branch at Cedar Street	Evaluate bridge improvements for Cedar Street over Halls Branch		Dallas	Engineering Project Planning				City of Lancaster
031000322	Halls Branch at Main Street	Evaluate bridge improvements for Main Street over Halls Branch		Dallas	Engineering Project Planning				City of Lancaster
031000323	Halls Branch at Redbud Lane	Evaluate bridge improvements for Redbud Lane over Halls Branch		Dallas	Engineering Project Planning				City of Lancaster
031000324	Keller Branch at Jefferson Street	Evaluate bridge improvements for Jefferson Street over Keller Branch		Dallas	Engineering Project Planning				City of Lancaster
031000325	Keller Branch at Main Street	Evaluate bridge improvements for Main Street over Keller Branch		Dallas	Engineering Project Planning				City of Lancaster
031000326	Keller Branch at Pleasant Run Road	Evaluate bridge improvements for Pleasant Run Road over Keller Branch		Dallas	Engineering Project Planning				City of Lancaster
031000327	Mill Branch at Houston School Road	Evaluate bridge improvements for Houston School Road over Mill Branch		Dallas	Engineering Project Planning				City of Lancaster
031000328	Mill Branch at Wintergreen Road	Evaluate bridge improvements for Wintergreen Road over Mill Branch		Dallas	Engineering Project Planning				City of Lancaster
031000329	Stream 3A1 at Ten Mile Road	Evaluate bridge improvements for Ten Mile Road over Stream 3A1		Dallas	Engineering Project Planning				City of Lancaster
031000330	Stream 3A6 at Belt Line Road	Evaluate bridge improvements for Belt Line Road over Stream 3A6		Dallas	Engineering Project Planning				City of Lancaster
031000331	Ten Mile Creek at Bluegrove Road	Evaluate bridge improvements for Bluegrove Road over Ten Mile Creek		Dallas	Engineering Project Planning				City of Lancaster
031000332	Ten Mile Creek at Houston School Road	Evaluate bridge improvements for Houston School Road over Ten Mile Creek		Dallas	Engineering Project Planning				City of Lancaster
031000333	Ten Mile Creek at IH 35E Service	Evaluate bridge improvements for IH 35E Service over Ten Mile Creek		Dallas	Engineering Project Planning				City of Lancaster
031000334	Ten Mile Creek at IH 35E Service (County Highway 1382)	Evaluate bridge improvements for IH 35E Service (County Highway 1382) over Ten Mile Creek		Dallas	Engineering Project Planning				City of Lancaster
031000335	Ten Mile Creek at Nokomis Road	Evaluate bridge improvements for Nokomis Road over Ten Mile Creek		Dallas	Engineering Project Planning				City of Lancaster
031000336	Ten Mile Creek at Old Red Oak Road	Evaluate bridge improvematts for Road over Ten Mile Creek at Old Red		Dallas	Engineering Project Planning				City of Lancaster
031000337	Ten Mile Creek at SH 342	Evaluate bridge improvements for SH 342 over Ten Mile Creek		Dallas	Engineering Project Planning				City of Lancaster
031000338	Cottonwood Creek of Ten Mile Creek at Goode Road	Evaluate bridge improvements for Goode Road over Cottonwood Creek of Ten Mile Creek		Dallas	Engineering Project Planning				City of Wilmer
031000339	Cottonwood Creek of Ten Mile Creek at IH 45	Evaluate bridge improvements for IH 45 over Cottonwood Creek of Ten Mile Creek		Dallas	Engineering Project Planning				City of Wilmer
031000340	Cottonwood Creek of Ten Mile Creek at IH 45 Northbound Service Road	Evaluate bridge improvements for IH 45 Northbound Service Road over Cottonwood Creek of Ten Mile Creek		Dallas	Engineering Project Planning				City of Wilmer
031000341	Cottonwood Creek of Ten Mile Creek at IH 45 Southbound Service Road	Evaluate bridge improvements for IH 45 Southbound Service Road over Cottonwood Creek of Ten Mile Creek		Dallas	Engineering Project Planning				City of Wilmer
031000342	Cottonwood Creek of Ten Mile Creek at Kissell (College) Road	Evaluate bridge improvements for Kissell (College) Road over Cottonwood Creek of Ten Mile Creek		Dallas	Engineering Project Planning				City of Wilmer
031000343	Cottonwood Creek of Ten Mile Creek at Millers Ferry Road	Evaluate bridge improvements for Millers Ferry Road over Cottonwood Creek of Ten Mile Creek		Dallas	Engineering Project Planning				City of Wilmer
031000344	Cottonwood Creek of Ten Mile Creek at Pleasant Run Road	Evaluate bridge improvements for Pleasant Run Road over Cottonwood Creek of Ten Mile Creek		Dallas	Engineering Project Planning				City of Wilmer
031000345	Stream 4A1 at Goode Road	Evaluate bridge improvements for Goode Road over Stream 4A1		Dallas	Engineering Project Planning				City of Wilmer
031000346	Stream 4A5 at Goode Road	Evaluate bridge improvements for Goode Road over Stream 4A5		Dallas	Engineering Project Planning				City of Wilmer
031000347	Stream 4A5 at IH 45	Evaluate bridge improvements for IH 45 over Stream 4A5		Dallas	Engineering Project Planning				City of Wilmer
031000348	Ten Mile Creek at Ferris Road	Evaluate bridge improvements for Ferris Road over Ten Mile Creek		Dallas	Engineering Project Planning				City of Wilmer
031000349	Stream 4A4 at Fulghum Road	Evaluate bridge improvements for Fulghum Road over Stream 4A4		Dallas	Engineering Project Planning				Dallas County
031000350	Stream 4A1 at Geller Road	Evaluate bridge improvements for Geller Road over Stream 4A1		Dallas	Engineering Project Planning				Dallas County
031000351	Ten Mile Creek at Parkinson Road	Evaluate bridge improvements for Parkinson Road over Ten Mile Creek		Dallas	Engineering Project Planning				Dallas County
031000352	City of Hutchins DMP	Evaluate city and identify future projects.		Dallas	Engineering Project Planning				City of Hutchins
031000353	City of Seagoville DMP	Evaluate city and identify future projects.		Dallas	Engineering Project Planning				City of Seagoville

Region 3 - Table 12: Potential Flood Management Evaluations Identified by RFPG (cont.)

FME ID (cont.)	FME Name2	Entities with Oversight	HUC8s	HUC12s	Watersheds	Emergency Need	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road segment closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
031000294	Hurst Creek Watershed Study																
031000295	City of Wilmer DMP																
031000296	Alta Mesa Branch at Persimmon Road																
031000297	Alta Mesa Branch at Simpson Stuart Road																
031000298	Alta Mesa Branch at Tracy Road																
031000299	Ricketts Branch at Camp Wisdom Road																
031000300	Ricketts Branch at IH 35E Service																
031000301	Runyon Springs Branch at Crouch Road																
031000302	Whites Branch at Langdon Road																
031000303	Wilson Branch at Bonnie View Road																
031000304	Wilson Branch at J J Lemmon Road																
031000305	Wilson Branch at Tioga Street																
031000306	Woody Branch at Loop 12																
031000307	Hutchins Creek at Denton Street																
031000308	Hutchins Creek at J J Lemmon Street																
031000309	Hutchins Creek at Main Street																
031000310	Rawlins Creek at Dowdy Ferry Road																
031000311	Rawlins Creek at IH 45																
031000312	Rawlins Creek at Main Street																
031000313	Stream 4A4 at Goode Road																
031000314	Stream 4A4 at IH 45																
031000315	Stream 4B4 at Austin Street																
031000316	Stream 4B4 at Crestridge Drive																
031000317	Stream 4B4 at Denton Street																
031000318	Halls Branch at 1st Street																
031000319	Halls Branch at 4th Street																
031000320	Halls Branch at 6th Street																
031000321	Halls Branch at Cedar Street																
031000322	Halls Branch at Main Street																
031000323	Halls Branch at Redbud Lane																
031000324	Keller Branch at Jefferson Street																
031000325	Keller Branch at Main Street																
031000326	Keller Branch at Pleasant Run Road																
031000327	Mill Branch at Houston School Road																
031000328	Mill Branch at Wintergreen Road																
031000329	Stream 3A1 at Ten Mile Road																
031000330	Stream 3A6 at Belt Line Road																
031000331	Ten Mile Creek at Bluegrove Road																
031000332	Ten Mile Creek at Houston School Road																
031000333	Ten Mile Creek at IH 35E Service																
031000334	Ten Mile Creek at IH 35E Service (County Highway 1382)																
031000335	Ten Mile Creek at Nokomis Road																
031000336	Ten Mile Creek at Old Red Oak Road																
031000337	Ten Mile Creek at SH 342																
031000338	Cottonwood Creek of Ten Mile Creek at Goode Road																
031000339	Cottonwood Creek of Ten Mile Creek at IH 45																
031000340	Cottonwood Creek of Ten Mile Creek at IH 45 Northbound Service Road																
031000341	Cottonwood Creek of Ten Mile Creek at IH 45 Southbound Service Road																
031000342	Cottonwood Creek of Ten Mile Creek at Kissell (College) Road																
031000343	Cottonwood Creek of Ten Mile Creek at Millers Ferry Road																
031000344	Cottonwood Creek of Ten Mile Creek at Pleasant Run Road																
031000345	Stream 4A1 at Goode Road																
031000346	Stream 4A5 at Goode Road																
031000347	Stream 4A5 at IH 45																
031000348	Ten Mile Creek at Ferris Road																
031000349	Stream 4A4 at Fulghum Road																
031000350	Stream 4A1 at Geller Road																
031000351	Ten Mile Creek at Parkinson Road																
031000352	City of Hutchins DMP																
031000353	City of Seagoville DMP																

Region 3 - Potential FMPs

FMP ID	FMP Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
033000001	Town Creek Railroad Improvements	Due to the backwater caused by the undersized Railroad crossing, this alternative recommends improving the capacity of the crossing. The existing crossing contains two 12’ x 10’ RCB’s. This alternative suggests an additional 12’ x 10’ RCB. The additional capacity at the Railroad crossing provides the most benefit to inundated structures in the 25-year event. Modeling shows that 14 structures will be removed from 1-foot of inundation in the 25-year storm event after the completion of the Railroad alternative alone.	Tarrant	Infrastructure (channels, ditches, ponds, pipes, etc.)	Burleson	N	Sponsor is not interested (Travis Attanasio; Michelle McCullough)	
033000002	Town Creek S. Warren Street Improvements	It is proposed to provide an accessible crossing between SW Johnson Ave. and the Railroad in the event of a frequent flooding event. FNI suggests the most feasible location to provide a safe crossing during lower storm events is at S Warren Street. While currently the four 9’ x 6’ RCB’s are overtopped during the 2-year storm event, it is proposed to raise the road approximately 2.5 feet and replace the existing culverts with (5) 12’ x 8’ RCB’s.	Tarrant	Infrastructure (channels, ditches, ponds, pipes, etc.)	Burleson	N	Sponsor is not interested (Travis Attanasio; Michelle McCullough)	
033000003	Town Creek Warren Park Extension	This alternative proposes voluntary acquisitions of structures at risk of flooding and extending the existing Warren Park. Based on modeling results, 19 structures that were once inundated over 1-foot can be bought by the City and the property can be converted into a park, effectively extending Warren Park.	Tarrant	Property or Easement Acquisition	Burleson	N	Sponsor is not interested (Travis Attanasio; Michelle McCullough)	
033000004	Shannon Creek - Culvert to South Shannon Creek	This alternative proposes increasing the capacity of the culverts beneath the commercial development by adding two 11’ x 8’ RCB’s that follow the right-of-way along the northern side of the existing development in addition to the existing two 10’ x 8’ RCB’s that are located beneath the existing development. Results indicate that increasing the culvert capacity alone does not entirely mitigate the street flooding; therefore, channel improvements (including 12,000 cubic yards of excavation) downstream of the development is necessary due to the insufficient capacity of South Shannon Creek downstream of the culvert.	Tarrant	Infrastructure (channels, ditches, ponds, pipes, etc.)	Burleson	N	Sponsor is not interested (Travis Attanasio; Michelle McCullough)	
033000005	Shannon Creek - Culvert to Main Stem Shannon Creek	This alternative recommends facilitating the flow from South Shannon Creek to the main stem Shannon Creek with two 11’ x 8’ RCB’s along SW Wilshire Blvd for 1,900 LF.	Tarrant	Infrastructure (channels, ditches, ponds, pipes, etc.)	Burleson	N	Sponsor is not interested (Travis Attanasio; Michelle McCullough)	
033000006	Town and Shannon Creek Crossing Safety Improvements	4 crossings; Safety improvements may include, but are not limited to, high-water warning flashers, staff gauges, flood hazard signs, and additional light fixtures. The four crossings analyzed include SE Tarrant Ave, N Warren St, SW Johnson Ave, and SE Newton Dr.	Tarrant	Flood Early Warning Systems	Burleson	N	Sponsor is not interested (Travis Attanasio; Michelle McCullough)	
033000007	Spring Meadows Estates Detention Pond Design	Pond redesign and reconstruction to lower normal pool elevation to be below inlets upstream. Increase storage capacity and design outlet works to increase level of service to 100-yr storm event.	Dallas	Regional Detention	Sachse	Y/?		

Region 3 - Potential FMPs

FMP ID	FMP Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
033000008	West Irving Creek Phases 2, 3, and 4	FIF - 13792; The West Irving Creek channel improvements project consists of reconstruction of over 2.5 miles of shallow trapezoidal concrete channel as deeper vertical walled channel to increase capacity and relieve historical flooding issues. The vertical walled channels allow the project to remain within a similar footprint as the existing channel to minimize easement needs and impacts to private properties while meeting the flood carrying capacity goals of the project. The channel improvements will also require the reconstruction of 15 road crossings and several miles of wastewater main. In conjunction with the channel improvements upstream detention improvements will be made as well as the implementation of water quality ponds to reduce pollutant load in the channel and to provide amenity to the adjoining neighborhoods.	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	Irving	Y/?		
033000009	University Park Storm Water Improvements for Area 2	University Park Storm Water Improvements for Area 2; unfunded FIF #13578	Dallas	Storm Drain Improvements	University Park	Y/?		
033000010	University Park Storm Water Improvements for Area 1 Phase 2	University Park Storm Water Improvements for Area 1 Phase 2; unfunded FIF #13576	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	University Park	Y/?		
033000011	Kennedale Valley Lane Streambank Stabilization	Kennedale Valley Lane Streambank Stabilization; unfunded FIF #13793	Tarrant	Infrastructure (channels, ditches, ponds, pipes, etc.)	Kennedale	Y/?	No flood reduction benefit provided; No supporting models	
033000012	University Park Storm Water Improvements for Area 1 Phase 3	University Park Storm Water Improvements for Area 1 Phase 3; unfunded FIF #13577	Dallas	Storm Drain Improvements	University Park	Y/?		
033000013	Highland Park Wycliffe Avenue Improvements	Highland Park Wycliffe Avenue Improvements; unfunded FIF #13778	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	Highland Park	N	Sponsor is not interested (Heather Cerda)	
033000014	Richardson Cottonwood Creek Headwaters Drainage Improvements	Richardson Cottonwood Creek Headwaters Drainage Improvements; unfunded FIF #13733	Collin, Denton	Infrastructure (channels, ditches, ponds, pipes, etc.)	Richardson	N	Sponsor is not interested (Hamilton Dallagasperina)	
033000015	Richardson N. Plano Road Culvert Improvements at Huffhines Creek	Richardson N. Plano Road Culvert Improvements at Huffhines Creek; unfunded FIF #13734	Collin, Denton	Infrastructure (channels, ditches, ponds, pipes, etc.)	Richardson	N	Sponsor is not interested (Hamilton Dallagasperina)	
033000016	Arlington VC(A)-1 Drainage and Erosion Improvements	Arlington VC(A)-1 Drainage and Erosion Improvements; unfunded FIF #13646	Tarrant	Infrastructure (channels, ditches, ponds, pipes, etc.)	Arlington	Y/?		

Region 3 - Potential FMPs

FMP ID	FMP Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
033000017	Western Heights Drainage Improvements	Area 1 Stream 2C5; The proposed system would begin near the intersection of Doss Drive and Matador Drive. It would include adding additional curb inlets north of March Lane to capture excess runoff that would contribute to existing flooding conditions in March Lane. Due to the proposed inlets and greater runoff captured in the proposed system, the existing line from March Lane to the outlet into Keen Creek would also have to be replaced for greater capacity.	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	Garland	Y/?		
033000018	Saturn Springs Estates Drainage Improvements	Area 3 Streams 2C3 and 2C4; Increasing storm drain pipe sizes along with other improvements is sufficient to manage flooding in this drainage basin. Pave and grade the alley between Briarwood and Overhill Drives to improve overland flow to the storm inlet there. In addition to upsizing pipe sizes as in Option 1, new lateral lines will be installed along Briarwood, Glenbrook and Overhill Drives to collect drainage and prevent overland flow. Install new drainage lines along Saturn Springs, Larry Drive and Kynn Drive to relieve systems in the area and prevent overland flow.	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	Garland	Y/?		
033000019	Lakewood Addition Drainage Improvements	Area 24; The proposed improvements to Storm Sewer D would be intended to provide relief to houses in the vicinity of Lakeside Drive by capturing additional runoff and reduce the flows that are contributing to Lakeside Drive. A secondary benefit to the proposed improvements in Storm Sewer D would be to provide relief to the houses in the vicinity of Meadowcrest Drive by reducing the excess runoff contributing to Meadowcrest Drive and reduce the ponding water depths at the low point near 1826 Meadowcrest Drive. OPTION 3	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	Garland	N	Sponsor is not interested (Michael Polocek)	
033000020	Montclair No 2 & 3 Drainage Improvements	Area 25; The proposed recommended alternative considers the addition of new inlets along the three feeder roads into La Jolla Drive: Intervale Drive, Tahoe Drive, and Mill River Drive. This would allow for surface runoff to be introduced to an underground drainage system earlier rather than collection along La Jolla Drive and its current undersized system. This proposed mitigation is expected to reduce flooding experienced by the residents along La Jolla Drive.	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	Garland	Y/?		
033000021	Centerville Market Place Drainage Improvements	Area 27; The proposed solutions included in this report will mitigate flooding caused by the ultimate flow scenario. It is recommended that the City of Garland encourage the practices of low impact development (LID) and other strategies to reduce the quantity of runoff reaching the city's storm water infrastructure.	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	Garland	Y/?		
033000022	Shady Lane Drainage Improvements	The study consists of 6 potential alternatives to address flooding issues. The report includes H &H models in support of the floodplain reclamation analysis.	Dallas	Property Acquisition	Garland	N	Sponsor indicated potential downstream impacts. (Michael Polocek)	

Region 3 - Potential FMPs

FMP ID	FMP Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes
033000023	Drainage Improvements for Stream 2C5, Keen Creek, From North Barnes Drive to North Yale Drive	Evaluate existing drainage conditions for the area and determine the current areas impacted by flooding from the stream. It includes developing recommendations to reduce flooding and erosion impacts throughout the study area.	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	Garland	Y/?		
033000024	Miami Drive Drainage Improvements	This study included a hydraulic analysis and recommendations to mitigate for bank erosion on stream 2C-1.	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	Garland	Y/?		
033000025	Arlington Bonneville/Greenbrook Drainage Improvements	Arlington Bonneville/Greenbrook Drainage Improvements; unfunded FIF project			Arlington	Y/?		
033000026	Arlington California Lane Drainage Improvements	Arlington California Lane Drainage Improvements; unfunded FIF project			Arlington	Y/?		
033000027	Arlington Harvest Hills Channel and Drainage Improvements	Arlington Harvest Hills Channel and Drainage Improvements; unfunded FIF project			Arlington	Y/?		
033000028	Arlington Randol Mill (Cooper to Collins)	Arlington Randol Mill (Cooper to Collins); unfunded FIF project			Arlington	Y/?		
033000029	Arlington Stream CC2 Drainage Improvements	Arlington Stream CC2 Drainage Improvements; unfunded FIF project			Arlington	Y/?		
033000030	Lancaster/Foch Area Mitigation (Trail Drive)	To decrease the flooding depths near the Norwood/Bledsoe/Crockett intersections, a storm drain alternative was developed. The storm drain system would run along Foch Street and then through Trinity Park to the river.			Fort Worth	Y/?		
033000031	Linwood Park Flood Mitigation (Western Arlington Heights)	To mitigate the flooding depths in the Linwood Park area, a storm drain would outfall to the West Fork Trinity River.			Fort Worth	Y/?		
033000032	Zoo Creek Storm Drain Flood Mitigation (Sandage)	A 10'x10' RCB section of the storm drain line reduces the 5-yr max depth at Berry St from 3.6 ft to 0.8 ft and the 100-yr max depth from 5.5 ft to 3.1 ft.			Fort Worth	Y/?		
033000033	Sunnyvale Culvert Improvements	Proposed alternatives to reduce roadway overtopping include culvert improvements, raising roadway elevations, and some minor channel grading to accommodate new culvert sizes.	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	Sunnyvale	Y/?		
033000034	Sunnyvale Open Channel Improvements	Proposed improvements include increasing storm drain capacity, culvert sizes, and channel and ditch grading to reduce flooding potential in each area.	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	Sunnyvale	Y/?		
033000035	Westworth Village MDP	Determine peak runoff flow rates in fully developed conditions; model fully developed hydraulics; identify locations where infrastructure doesn't meet City criteria; provide conceptual drainage recommendations.			Westworth Village	Y/?		

Region 3 - Table 13: Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC12s	Watersheds	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Flood Risk											
															Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100yr flood risk	Estimated Population at 100yr flood risk	Critical facilities at 100yr flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100yr flood risk (Miles)	Estimated farm & ranch land at 100yr flood risk (acres)		
033000001	Town Creek Railroad Improvements	Due to the backwater caused by the undersized Railroad crossing, this alternative recommends improving the capacity of the crossing. The existing crossing contains two 12' x 10' RCB's. This alternative suggests an additional 12' x 10' RCB. The additional capacity at the Railroad crossing provides the most benefit to inundated structures in the 25-year event. Modeling shows that 14 structures will be removed from 1-foot of inundation in the 25-year storm event after the completion of the Railroad alternative alone.	030000031, 030000032	Tarrant			Infrastructure			Burleson			\$879,000													
033000002	Town Creek S. Warren Street Improvements	It is proposed to provide an accessible crossing between SW Johnson Ave. and the Railroad in the event of a frequent flooding event. FNI suggests the most feasible location to provide a safe crossing during lower storm events is at S Warren Street. While currently the four 9' x 6' RCB's are overtopped during the 2-year storm event, it is proposed to raise the road approximately 2.5 feet and replace the existing culverts with (5) 12' x 8' RCB's.	030000007, 030000008, 030000031, 030000032	Tarrant			Infrastructure			Burleson																
033000003	Town Creek Warren Park Extension	This alternative proposes voluntary acquisitions of structures at risk of flooding and extending the existing Warren Park. Based on modeling results, 19 structures that were once inundated over 1-foot can be bought by the City and the property can be converted into a park, effectively extending Warren Park.	030000013, 030000014, 030000021, 030000022	Tarrant			Property or Easement Acquisition			Burleson																
033000004	Shannon Creek - Culvert to South Shannon Creek	This alternative proposes increasing the capacity of the culverts beneath the commercial development by adding two 11' x 8' RCB's that follow the right-of-way along the northern side of the existing development in addition to the existing two 10' x 8' RCB's that are located beneath the existing development. Results indicate that increasing the culvert capacity alone does not entirely mitigate the street flooding; therefore, channel improvements (including 12,000 cubic yards of excavation) downstream of the development is necessary due to the insufficient capacity of South Shannon Creek downstream of the culvert.	030000007, 030000008, 030000031, 030000032	Tarrant			Infrastructure			Burleson																
033000005	Shannon Creek - Culvert to Main Stem Shannon Creek	This alternative recommends facilitating the flow from South Shannon Creek to the main stem Shannon Creek with two 11' x 8' RCB's along SW Wilshire Blvd for 1,900 LF.	030000007, 030000008, 030000031, 030000032	Tarrant			Infrastructure			Burleson																
033000006	Town and Shannon Creek Crossing Safety Improvements	Safety improvements may include, but are not limited to, high-water warning flashers, staff gauges, flood hazard signs, and additional light fixtures. The four crossings analyzed include SE Tarrant Ave, N Warren St, SW Johnson Ave, and SE Newton Dr.	030000001, 030000002, 030000003, 030000004	Tarrant			Flood Early Warning Systems			Burleson																
033000007	Spring Meadows Estates Detention Pond Design	Pond redesign and reconstruction to lower normal pool elevation to be below inlets upstream. Increase storage capacity and design outlet works to increase level of service to 100-yr storm event.	030000013, 030000014, 030000031, 030000032	Dallas			Regional Detention			Sachse			\$2,964,780		0.01	N/A	9	9	18	0	0	N/A	0.344922	0		
033000008	West Irving Creek Projects 3 and 4 (Phases C and B)	FIF - 13792; The West Irving Creek channel improvements project consists of reconstruction of over 2.5 miles of shallow trapezoidal concrete channel as deeper vertical walled channel to increase capacity and relieve historical flooding issues. The vertical walled channels allow the project to remain within a similar footprint as the existing channel to minimize easement needs and impacts to private properties while meeting the flood carrying capacity goals of the project. The channel improvements will also require the reconstruction of 15 road crossings and several miles of wastewater main. In conjunction with the channel improvements upstream detention improvements will be made as well as the implementation of water quality ponds to reduce pollutant load in the channel and to provide amenity to the adjoining neighborhoods.	030000007, 030000008, 030000021, 030000022, 030000027, 030000028, 030000031, 030000032	Dallas			Infrastructure			Irving			\$39,387,400													
033000009	University Park Storm Water Improvements for Area 2	unfunded FIF study #13578	030000031, 030000032	Dallas			Storm Drain Improvements			University Park																
033000010	University Park Storm Water Improvements for Area 1 Phase 2	unfunded FIF study #13576	030000007, 030000008, 030000031, 030000032	Dallas			Infrastructure			University Park																
033000011	University Park Storm Water Improvements for Area 1 Phase 3	unfunded FIF study #13793	030000031, 030000032	Dallas			Infrastructure			University Park																
033000012	Kennedale Valley Lane Streambank Stabilization	unfunded FIF study #13577	030000009, 030000010, 030000031, 030000032	Tarrant			Storm Drain Improvements			Kennedale			\$2,161,426													
033000013	Highland Park Wycliffe Avenue Improvements	unfunded FIF study #13778	030000007, 030000008, 030000031, 030000032	Dallas			Infrastructure			Highland Park																
033000014	Richardson Cottonwood Creek Headwaters Drainage Improvements	unfunded FIF study #13733	030000007, 030000008, 030000031, 030000032	Collin, Denton			Infrastructure			Richardson																
033000015	Richardson N. Plano Road Culvert Improvements at Huffhines Creek	unfunded FIF study #13734	030000003, 030000004, 030000031, 030000032	Collin, Denton			Infrastructure			Richardson																
033000016	Arlington VC(A)-1 Drainage and Erosion Improvements	unfunded FIF study #13646	030000007, 030000008, 030000009, 030000010, 030000031, 030000032	Tarrant			Infrastructure			Arlington			\$4,000,000		0.01		9	9	18	0	3	2	0.06			



**Region 3 - Table 13: Potentially Feasible Flood Mitigation Projects Identified by RFPG (cont.)**

[illegible]

Region 3 - Potential FMS

FMS ID	FMS Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes	Internal Notes
032000001	Lavon Warning System	Expand the Early Warning Sirens and Local Warning System to notify new populations of impending severe weather or imminent hazards to reduce the loss of life and mitigate the effects of the hazards	Collin	Flood Measurement and Warning	Lavon	Y			
032000002	Lindsay Flood Warning and Public Safety Improvements	Citywide “reverse 911” to enable local emergency officials to notify emergency information pertaining to flood advisories, flood warnings, and flood evacuations.	Cooke	Flood Measurement and Warning	Lindsay	Y			
032000003	Addition of Low Water Crossing Signs and Gates - City of Irving	Identify and add low water crossing signs and gates to low water crossing areas as described in The Road to The	Dallas	Flood Measurement	Irving	Y			Changed FMS Name, used to say "Dallas County....."
032000004	Richardson Flood Warning and Public Safety Improvements	Monitor streams and waterways for potential flooding problems including installation of gauges, sensors, and precipitation measuring sites.	Dallas	Flood Measurement and Warning	Richardson	Y			
032000005	Timber Creek Flood Warning System Installation	Purchase and Install Flood Warning Systems in Key Areas Along Timber Creek	Denton	Flood Measurement and Warning	Lewisville	Y			
032000006	Houston County Stream and Rain Gauge Installation	Install stream and rain gauges in flood prone areas and waterways as part of new alert notification system	Houston	Flood Measurement and Warning	Houston County	Y			
032000007	Hunt County Flood Warning and Public Safety	Adopt and Promote the program of “Turn Around Don’t Drown Campaign.” Implement early warning program.	Hunt	Flood Measurement and Warning	Hunt County	Y		Keep	Mostly in Region 4
032000008	City of Kemp Siren Notification System	Install siren notification system for disasters, including dam failure of Kemp Lake Dam	Kaufman	Flood Measurement and Warning	Kemp	Y			
032000009	Leon County Local Flood Warning System	This action proposes a local flood warning system to reduce the potential impacts of future flood events	Leon	Flood Measurement and Warning	Leon County	Y			
032000010	Rockwall County Warning Signs and Flood Control Gates	Install automatic flood warning gates to prevent access into flooded areas. Install warning signs and flood control	Rockwall	Flood Measurement and Warning	Rockwall County	Y			
032000011	Chambers Creek Stream Flow Monitoring System	Implement a Stream Flow Monitoring system that will allow for historical tracking and constant monitoring of water levels to assist with early warnings to residents	Tarrant	Flood Measurement and Warning	Everman	Y			
032000012	Creek Level Monitoring Systems and Weather Stations Installation	Install creek level monitoring systems and weather stations	Tarrant	Flood Measurement and Warning	Mansfield	Y			
032000013	Dalworthington Flood Warning System	Purchase and install a technological based high water detection system for low water crossings to mitigate the hazards when the location floods	Tarrant	Flood Measurement and Warning	Dalworthington	Y			
032000014	Colleyville Flood Warning System	Enhance high water warning system by adding automatic gates on the streets that normally flood	Tarrant	Flood Measurement and Warning	Colleyville	Y			
032000015	Haslet Flood Warning System	Install flood warning devices to low water crossing.	Tarrant	Flood Measurement and Warning	Haslet	Y			

Region 3 - Potential FMS

FMS ID	FMS Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes	Internal Notes
032000016	Additional Rain/Stream Gauges for 13 locations	West Fork Trinity River at MacArthur Blvd, Bowman Creek at Mirabella Blvd, Cottonwood Creek at Robinson Road, Johnson Creek at Duncan Perry Road, Foster Branch at Seeton Road, Mountain Creek at county road FM 661, Carrier Parkway underneath I-20, Robinson	Dallas	Flood Measurement and Warning	Grand Prairie	Y			
032000017	Additional Low Water Crossing Flashing Lights and Automated Gates	Duncan Perry Road between Ave K and Sherwood Drive, Riverside Pkwy LWC (lights already in place need gates added), SW 3rd from Phillips Ct to Dickey Road (gates being added in September 2021)	Dallas	Flood Measurement and Warning	Grand Prairie	Y			
032000018	Grayson County Flood Warning and Public Safety Improvements	Create improved gauge notification system. Increased Public Awareness prior to occurrences and during flooding.	Grayson	Flood Measurement and Warning	Grayson County	Y			
032000019	Dallas County Floodplain Management	Manage the Floodplain beyond the minimum requirements. This action will include developing an incentive program for building above the required freeboard minimum	Dallas	Regulatory and Guidance	Dallas County	Y		Several FMS using "dangerous" language by talking about prohibiting development within the floodplain. Prohibiting (or not allowing) vs Regulating floodplain. Review each description for these FMSs before recommending. TC to try to contact sponsors to clarify language.	
032000020	Anderson County Structure Permitting Requirement Update	Increase freeboard requirements for permitting structures in the SFHA; Adopt a “no-rise” in BFE in the 100-year floodplain; Update local flood ordinance to prohibit granting of variance in SFHA	Anderson	Regulatory and Guidance	Anderson County	Y			
032000021	Bynum Stormwater Management Policy Updates	Update storm water management policies. Require approved site control plans and storm water runoff plans before long-duration construction projects are permitted to begin.	Hill	Regulatory and Guidance	Bynum	N	Stormwater quality	Do not recommend MS4 type FMS	Expanded scope for a more comprehensive policy update.
032000022	Flood Protection Ordinance Updates	Develop and Implement a City and Town flood protection ordinance	Denton	Regulatory and Guidance	Corinth, Hickory Creek, Lake Dallas, Little Elm, Shady Shores, The Colony	Y			
032000023	Hill County Flooding Regulations Update	Catalog, evaluate, and update any floodplain regulations within the City to comply with the latest FEMA regulations.	Hill	Regulatory and Guidance	Hill County	Y			
032000024	Freestone County Flood Damage Prevention Ordinance	Develop and Implement a Flood Damage Prevention Ordinance	Freestone	Regulatory and Guidance	Freestone County	Y			
032000025	Caney City Floodproofing Ordinances	Implement ordinances to ensure new housing developments meet current floodproofing, as well as ensure that critical facilities owned by jurisdiction are protected from flood.	Henderson	Regulatory and Guidance	Caney City	Y			
032000026	Leon County Floodplain Construction Restrictions Re-Evaluation	This action proposes a re-evaluation of all existing floodplain construction restrictions to identify strengths and weaknesses in order to reduce future damages during flood events	Leon	Regulatory and Guidance	Leon County	Y			

Region 3 - Potential FMS

FMS ID	FMS Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes	Internal Notes
032000027	Rockwall County Flood Prevention Ordinance	Update Flood Prevention ordinance, adopting a “no-rise” in Base Flood Elevation in the 100-year floodplain	Rockwall	Regulatory and Guidance	Rockwall County	Y		This is an example of a very nominal effort. Try to contact Sponsor to see if that is all they need or if they need a larger study to support their policy updates.	Royse City was listed as sponsor, but FMS name said Rockwall County. We changed Sponsor to Rockwall County. <b>SPONSOR/PROJECT AREA CHANGED</b>
032000028	San Jacinto County Ordinance to Control Location of Development	Strengthen ordinance(s)/code(s) to control location of development, especially in low lying flood hazard areas	San Jacinto	Regulatory and Guidance	San Jacinto County, Shepherd, Coldspring, Point Blank	Y			
032000029	Montague County Floodplain Policy Update	Increase freeboard requirements for permitting structures in the SFHA; Update local flood ordinance to prohibit granting of variance in SFHA	Montague	Regulatory and Guidance	Montague County	Y		Would they be needing a study to justify the changes? Try to contact Sponsor - Issue with prohibiting a variance	
032000030	Town of Westlake's Floodplain Mitigation Ordinances Review	Review and enhance the Town of Westlake’s floodplain mitigation ordinances and policies as needed	Tarrant	Regulatory and Guidance	Westlake	Y			
032000031	Wills Point Structure Permitting Requirement Update	Increase freeboard requirements for permitting structures in the SFHA; Adopt a “no-rise” in BFE in the 100-year floodplain; Update local flood ordinance	Van Zandt	Regulatory and Guidance	Wills Point	Y			
032000032	Wise County Storm Water Management Plan	Create a Storm water Management Plan	Wise	Regulatory and Guidance	Wise County, Alvord	N	Water quality plan		Water quality?
032000033	Valley View Floodplain Regulation Updates	Update local ordinances to include regulation of floodplain so that the community may participate in NFIP program.	Cooke	Regulatory and Guidance	Valley View	Y			
032000034	City of Sachse Parks Construction Along Low Lying Areas	Establish city parks along low-lying areas	Dallas	Other	Sachse	Y			Nature-Based Solutions
032000035	Carrollton Targeted Flood Remediation	Plan for and establish City-owned stand-by contracts for targeted flood remediation of private homes if authorized by City Administration.	Dallas	Property Acquisition and Structural Elevation	Carrollton	Y		Try to reach out to Sponsor. Keep for now.	
032000036	Sunnyvale Floodplain Preservation Program	Restrict future development in high risk areas.	Dallas	Regulatory and Guidance	Sunnyvale	Y			
032000037	Itasca Zoning Regulations and Land Use Planning Mechanisms	Establish zoning regulations to prohibit residential construction in flood prone areas. Implement strategic land-use planning mechanisms to ensure flood-resistant development occurs in flood-prone areas	Hill	Regulatory and Guidance	Itasca	Y			Combined FMS 37 and 40 and updated FME 37 name and description
032000038	Kaufman County Regulation Standards to Protect Open Space Flood-Prone Areas	Conduct program in conjunction with local communities to incorporate regulatory standards to protect open space flood-prone areas	Kaufman	Regulatory and Guidance	Kaufman County	Y			
032000039	Tarrant County Promotion of Open Space and LID	Promote the inclusion of low impact development requirements in local and regional ordinances	Tarrant	Regulatory and Guidance	North Central Texas Council of Govt	Y			
032000040	Itasca Land Use Planning Mechanisms	Implement strategic land-use planning mechanisms to ensure flood-resistant development occurs in flood-prone areas	Hill	Regulatory and Guidance	Itasca	N	Combined with FMS 032000037		Combined FMS 37 and 40 and updated FME 37 name and description
032000041	Dallas County Land Use Program	Continue to develop and maintain special use parks and green belt areas as flooding mitigation strategies & further prohibiting development in the floodplain.	Dallas	Regulatory and Guidance	Richardson	Y			Consider changing sponsor to Dallas County

Region 3 - Potential FMS

FMS ID	FMS Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes	Internal Notes
032000042	Houston County Maintenance Program	Develep a maintenance program to clear debris from bridges, box culverts, and drainage systems throughout. Implement program to clear debris from flood-prone areas, bridges, drains and culverts to prevent overtopping and backup during flash floods	Houston	Other	Houston County	Y		Change description to Developing a Maintenance Plan rather than "routine" maintenance. Create plan with best practices and similar.	Initial thought was that this would not be a feasible FMP (has no quantifiable flood risk benefits). Yet, after internal discussions we decided to leave it in. shortened FMS description
032000043	Kaufman County Agreement to Monitor High Hazard Dams	Develop a mutual aid agreement with the City of Terrell, City of Kemp, City of Kaufman to monitor High hazard dams with automated monitor to minimize potential dam failure of the structure	Kaufman	Other	Kaufman County, Terrell, Kemp, Kaufman	Y		Change description to Developing a Maintenance Plan rather than "routine" maintenance. Create plan with best practices and similar.	Preventive Maintenance Programs
032000044	Rowlett Creek Tributary Maintenance Program	Develop a maintenance program including routine channel maintenance and erosion control for Rowlett Creek Tributary (Stream 2D13). Keep creek and inlets clear of debris and overgrown vegetation.	Dallas	Other	Sachse	Y		Change description to Developing a Maintenance Plan rather than "routine" maintenance. Create plan with best practices and similar.	Initial thought was that this would not be a feasible FMP (has no quantifiable flood risk benefits). Yet, after internal discussions we decided to leave it in. SPONSOR CHANGED, <b>CHANGE PROJECT AREA POTENTIALLY LATER?</b>
032000045	Addison-Carrollton Debris Cleaning Program	Develop and implement a program for clearing debris from bridges, drains and culverts.	Dallas	Other	Addison, Carrollton	Y		Change description to Developing a Maintenance Plan rather than "routine" maintenance. Create plan with best practices and similar.	Initial thought was that this would not be a feasible FMP (has no quantifiable flood risk benefits). Yet, after internal discussions we decided to leave it in.
032000046	Navarro County Waterways Clearing	Develop a maintenance program to clear waterways of debris and prevent further collection of debris in waterways	Navarro	Other	Corsicana	Y		Change description to Developing a Maintenance Plan rather than "routine" maintenance. Create plan with best practices and similar.	Preventive Maintenance Programs. Initial thought was that this would not be a feasible FMP (has no quantifiable flood risk benefits). Yet, after internal discussions we decided to leave it in. Consider changing sponsor to Navarro County.
032000047	Weatherford Biannual Dam Inspection Program	Create and implement a biannual inspection program to inspect the city-owned dams to help prevent dam failure	Parker	Other	Weatherford	Y		Change description to Developing a Maintenance Plan rather than "routine" maintenance. Create plan with best practices and similar. Not the implementation of the program.	Changed FMS name to Weatherford Biannual Dam Inspection Program.
032000048	Richland Hills Semi-Annual Levee Inspections	Prepare an inspection program of the levee to look for any maintenance problems or levee failure issues	Tarrant	Other	Richland Hills	Y		Preparing an inspection plan.....similar to FMS 47.	
032000049	Rowlett Creek Tributary Maintenance Program	Routine channel maintenance and erosion control for Rowlett Creek Tributary (Stream 2D13). Keep creek and inlets clear of debris and overgrown vegetation.	Collin , Dallas	Other	Sachse	N	Same as FMS 032000044		Same as FMS 44
032000050	Hazard Hardening Retrofit for Polk County Facilities	Flood-proofing, impact resistant windows, storm shutters, roof straps, structural bracing, low-flow plumbing fixtures, roll-up door reinforcement, grounding systems, surge-protection, data back-up systems, plumbing reinforcement and insulation, heat resile	Polk	Property Acquisition and Structural Elevation	Polk County, Corrigan, Goodrich, Livingston, Onalaska, Seven Oaks	Y		Take out actions not related to flood mitigation and protection. Specify that these would be VOLUNTARY acquisitions	Group E - For the most part it is property acquisitions, but it also includes some floodproofing.

Region 3 - Potential FMS

FMS ID	FMS Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes	Internal Notes
032000051	Acquire and Protect Red Oak Creek, Bentle Branch Creek, and Balcones Escarpment	Acquire areas in the floodplain and protect environmentally sensitive areas and convert them into open space land	Dallas	Property Acquisition and Structural Elevation	Cedar Hill	Y		Reword to find a way to specify that areas to be acquired are in the floodplain and have a flood protection benefit.	
032000052	Ten Mile Creek Comprehensive Loss Reduction Program	Develop a comprehensive loss reduction program, involving buy outs and relocation in areas along Ten Mile Creek to reduce losses and repetitive damages. Buyout structures that are in the floodplain. Land Acquisition for repetitive loss structures	Dallas	Property Acquisition and Structural Elevation	Lancaster	Y			
032000053	Midway Property Acquisition and Elevation Program	Acquire existing homes located in the identified special flood hazard area (the 100-year floodplain).	Madison	Property Acquisition and Structural Elevation	Midway	Y			
032000054	Montague County Property Acquisition and Land Preservation Program	Acquire and preserve open space adjacent to floodplain areas.	Montague	Property Acquisition and Structural Elevation	Montague County	Y			
032000055	Montague County Sewage Treatment Plants and Sewage Lift Stations Flood-Proofing Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas within Region 3. Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE)	Montague	Infrastructure Projects	Montague County	Y			
032000056	San Jacinto County Voluntary Property Acquisition & Elevation Program	Pursue voluntary acquisition projects for flood prone properties. Elevate homes in low lying or flood prone areas.	San Jacinto	Property Acquisition and Structural Elevation	Shepherd, San Jacinto County	Y			
032000057	Johnson County Acquisition of Flood Prone Structures	Acquire, relocate, and/or elevate flood prone structures	Johnson	Property Acquisition and Structural Elevation	Johnson County	Y			
032000058	Acquisition of Repetitive Loss Properties in the Deep River Plantation Subdivision	Acquire repetitive flood loss properties and properties prone to flooding in the Deep River Plantation Subdivision	Walker	Property Acquisition and Structural Elevation	Walker County	Y			
032000059	Anderson County Floodplain Acquisition and Preservation Program	Acquire and preserve open spaces adjacent to floodplain areas.	Anderson	Property Acquisition and Structural Elevation	Anderson County	Y			
032000060	Collin County Property and Structures Buyout Program	Develop and implement a buyout program for personal properties and structures located in the floodplain	Collin	Property Acquisition and Structural Elevation	Collin County	Y			
032000061	Cooke County Acquisition of Repetitive Loss and Damaged Properties	Purchase and removal of damaged homes that are located in the floodplain. Buyout of repetitive flood loss properties in the Wilson Court area.	Cooke	Property Acquisition and Structural Elevation	Cooke County	Y			

Region 3 - Potential FMS									
FMS ID	FMS Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes	Internal Notes
032000062	Dallas County Acquisition of Flood-Prone and Repetitive Loss Properties	Acquisition / demolition of 46 flood-prone and repetitive loss properties.	Dallas	Property Acquisition and Structural Elevation	Dallas County	Y			
032000063	Grayson County Buyout of Repetitive Flood Properties	Buyout of repetitive flood properties, which includes any structures found to be located in flood areas that aren't incorporated in NFIP areas.	Grayson	Property Acquisition and Structural Elevation	Grayson County	Y			
032000064	Terrell Property Acquisition Program	Acquire high risk and repetitive flood-prone structures	Kaufman	Property Acquisition and Structural Elevation	Terrell	Y			
032000065	Leon County Property Acquisition Program	Acquire any repetitive loss structures located below the high hazard dams and homes located in the floodplain.	Leon	Property Acquisition and Structural Elevation	Leon County	Y			
032000066	City of Fate Floodplain Acquisition and Preservation Program	Acquire, reuse, and preserve open spaces adjacent to floodplain areas to reduce the impacts of flooding	Rockwall	Property Acquisition and Structural Elevation	Fate	Y		Make sure that acquisition provides a flood reduction benefit. Add "to reduce the impacts of flooding"	
032000067	City of Kennedale Property Acquisition Program - Village Creek	Acquire all private property located within the Village Creek 100-year floodplain in the City of Kennedale	Tarrant	Property Acquisition and Structural Elevation	Kennedale	Y			
032000068	City of Mansfield Property Acquisition Program	Acquire properties at risk of flooding and permanently remove them from special flood hazard areas.	Tarrant	Property Acquisition and Structural Elevation	Mansfield	Y			
032000069	Tarrant County Property Acquisition Program	Create a Buyout Program for Repetitive Loss Properties	Tarrant	Property Acquisition and Structural Elevation	Tarrant	Y			Changed Sponsor to Tarrant County. <b>SPONSOR CHANGED, PROJECT AREA THE SAME</b>
032000070	Walker County Voluntary Buyout Program	The county and partnering jurisdictions will begin a voluntary buyout program for insured severe repetitive loss properties that are in the floodplain	Walker	Property Acquisition and Structural Elevation	Walker County, New Waverly, Riverside	Y			
032000071	Wise County Repetitive Flood Loss Buyout Program	Develop a buyout program for repetitive flood loss areas within the county	Wise	Property Acquisition and Structural Elevation	Wise County	Y			
032000072	City of Chico Property Acquisition Program	City will acquire property and structures in the flood zone along Dry Creek and its tributaries and remove structures to prevent loss of life and property during flooding events.	Wise	Property Acquisition and Structural Elevation	Chico	Y			
032000073	Town Creek Warren Park Extension (Property Acquisition Program)	Create a buyout program	Tarrant	Property Acquisition and Structural Elevation	Burleson	Y			

Region 3 - Potential FMS									
FMS ID	FMS Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes	Internal Notes
032000074	City of Hurst Buyout Program	107 total structures across the Lorean, Valley View, and Walker watersheds	Tarrant	Property Acquisition and Structural Elevation	Hurst	Y			
032000075	Anderson County Flood Education Program	Coordinate and implement a natural hazards public awareness campaign. Educate community on the dangers of low water crossings through the installation of warning signs and promotion of “Turn Around, Don’t Drown” Program.	Anderson	Education and Outreach	Anderson County	Y		Potentially have NCTCOG and other large COGs as sponsors for Regionwide Education and Outreach FMS and ADD to the list. Also Keep the FMS on the current list.	
032000076	Cooke County Public Information and Education	“Turn Around Don’t Drown” campaign.	Cooke	Education and Outreach	Lindsay	N	Merged w FMS 77		Merge with FMS 77
032000077	Cooke County Flood Education and Flood Insurance Public Awareness Program	Education of the public on the importance of Flood Insurance. “Turn Around Don’t Drown” campaign.	Cooke	Education and Outreach	Cooke County	Y			Merge FMS 76 w 77. Updated FMS name and description to capture both.
032000078	Glenn Heights-Seagoville-Wilmer Flood Safety Improvements and Education	Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" Program	Dallas	Education and Outreach	Glenn Heights, Seagoville, Wilmer	Y			
032000079	Krum "Turn Around, Don't Drown" Campaign	Implement "Turn Around, Don't Drown" campaign.	Denton	Education and Outreach	Krum	Y			
032000080	Fannin County Flood Safety Education	Education programs such as “Turn around Don’t Drown.” Work with local newspaper to run flood safety information. Public education via water bills, social media, and webpage to promote flood safety.	Fannin	Education and Outreach	Fannin County	Y		Keep	Mostly in Region 2
032000081	Fannin County Flood Insurance Education	Develop and distribute information about the availability and need for flood insurance. Public awareness of NFIP.	Fannin	Education and Outreach	Fannin County	Y		Keep	Mostly in Region 2
032000082	Grayson County Flood Insurance and Flood Safety Education Program	Educate residents on NFIP program and importance of purchasing flood insurance. Turn Around Don’t Drown Campaign. Educate property owners near high hazard dams of potential dam failure. Better inform residents of mitigation activities to implement in home	Grayson	Education and Outreach	Grayson County	Y			Combined FMS 82 and 83 into one. Updated FMS name and description to capture both. Shortened description
032000083	Grayson County Flood Safety Education	Turn Around Don’t Drown Campaign. Educate property owners near high hazard dams of the potential of a dam failure. Better inform residents of mitigation activities that they can implement in their homes.	Grayson	Education and Outreach	Grayson County	N	Merged w FMS 82		Combined FMS 82 and 83 into one
032000084	Hill County Flooding Education and Outreach Program	Develop a coordinated education, outreach, and training program to inform and educate the public about the dangers of flooding and how to prevent flood damages to property.	Hill	Education and Outreach	Hill County	Y			
032000085	Houston County Flood Insurance and Dam Education Program	Develop and implement NFIP public education program for residents affected by high flood risk areas. Educate the Public on mitigation activities that can help protect their properties in the event of structural failures and extreme flooding.	Houston	Education and Outreach	Houston County	Y			Combined FMS 85 and 86 into one. Updated FMS name and description to capture both.
032000086	Houston County Public Education on Dam Education	Educate the Public on mitigation activities that can help protect their properties in the event of structural failures and extreme flooding	Houston	Education and Outreach	Houston County	N	Merged w FMS 85		Combined FMS 85 and 86 into one

Region 3 - Potential FMS

FMS ID	FMS Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes	Internal Notes
032000087	Jack County Flood Education	Implement a flood awareness program by providing FEMA / NFIP materials to mortgage lenders, real estate agents and insurance agents	Jack	Education and Outreach	Jack County	Y			
032000088	Kaufman County Flood Education Program	Conduct countywide outreach to educate residents on flood hazards, mitigation techniques and promote availability of NFIP flood insurance.	Kaufman	Education and Outreach	Kaufman County	Y			
032000089	Montague County Flood Education	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.	Montague	Education and Outreach	Montague County	Y			
032000090	Parker County Flood and Dam Education	Create and implement a community-wide educational campaign to educate residents about the NFIP and dam safety	Parker	Education and Outreach	Weatherford, Hudson Oaks, Aledo, Parker County	Y			
032000091	Livingston Flood Damage Mitigation Educational Program	Establish an educational program to teach citizens how to mitigate flood damage to their property	Polk	Education and Outreach	Livingston	Y			
032000092	Tarrant County Flood Education	Provide flood risk and mitigation risk mapping materials for property owners in floodplains. Include mitigation techniques	Tarrant	Education and Outreach	River Oaks	Y			
032000093	Tarrant County Flood Education Program	Conduct NFIP community workshops to provide information and incentives for property owners to acquire flood insurance.	Tarrant	Education and Outreach	Tarrant	Y			Changed Sponsor to Tarrant County. <b>SPONSOR CHANGED, PROJECT AREA THE SAME</b>
032000094	Van Zandt County Flood Safety Improvements and Education	Educate community on the dangers of low water crossings	Van Zandt	Education and Outreach	Van Zandt	Y			Changed Sponsor to Van Zandt County. <b>SPONSOR/PROJECT AREA CHANGED.</b>
032000095	Walker County Floodplain Regulatory Awareness Public Information Campaign	Rewrite, improve, and implement new local floodplain regulations, to include a public information campaign on regulatory awareness	Walker	Education and Outreach	Walker	Y			Changed Sponsor to Walker County. <b>SPONSOR CHANGED, PROJECT AREA THE SAME</b>
032000096	City of Chico NFIP Education Program	Distribute information to downstream property owners educating homeowners about the National Flood Insurance Program.	Wise	Education and Outreach	Chico	Y			
032000097	Dallas County Open Space System Program and Dallas Trails Program	Adopt and implement Dallas County Open Space System Program and Dallas Trails Program.	Dallas	Other	Dallas County	Y			Nature-Based Solutions
032000098	Parker County Nature-Based Practices for Flood Control	Implement the use of green infrastructure	Parker	Other	Parker County, Hudson Oaks	Y			Nature-Based Solutions
032000099	Krugerville waterways stabilization program	Develop waterways stabilization program	Denton	Other	Krugerville	Y			Initial thought was that this would not be a feasible FMP (has no quantifiable flood risk benefits). Yet, after internal discussions and Stephanie's Ch 4 comments we decided to leave it in.

Region 3 - Potential FMS

FMS ID	FMS Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes	Internal Notes
032000100	City of Euless Stream Bank Protection Program	Develop a plan to reduce stream bank erosion impacts due to flooding along specific creeks	Tarrant	Other	Euless	Y			Erosion Control. Initial thought was that this would not be a feasible FMP (has no quantifiable flood risk benefits). Yet, after internal discussions and Stephanie's Ch 4 comments we decided to leave it in.
032000101	Lewisville Storm Water Utility Fee	Conduct a study to evaluate the implementation of levying a storm water fee for developers to fund developments to the storm water drainage systems	Denton	Regulatory and Guidance	Lewisville	Y		Include word "Funding the Study to evaluate implementation". Add language on "Flood Mitigation"  Study strategies to fund development to the stromwater drainanage systems to improve the impacts of flooding	
032000102	City of Retreat NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Navarro	Regulatory and Guidance	Retreat	Y		Basic documents exists, but these may be for a more specific ordinance developed by a private consultant.  Maybe COGs could sponsor a Regionwide FMS to hel these communicties. Add to the list but do not delete existing ones.	Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000103	City of Streetman NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Freestone, Navarro	Regulatory and Guidance	Streetman	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000104	City of Alma NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Ellis	Regulatory and Guidance	Alma	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000105	City of Alvord NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Wise	Regulatory and Guidance	Alvord	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000106	City of Angus NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Navarro	Regulatory and Guidance	Angus	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000107	City of Bedia NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Grimes	Regulatory and Guidance	Bedia	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000108	City of Bynum NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Hill	Regulatory and Guidance	Bynum	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.

Region 3 - Potential FMS

FMS ID	FMS Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes	Internal Notes
032000109	Carl's Corner NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Hill	Regulatory and Guidance	Carl's Corner	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000110	City of Combine NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Dallas, Kaufman	Regulatory and Guidance	Combine	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000111	Cayote Flats NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Johnson	Regulatory and Guidance	Coyote Flats	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000112	City of Dorchester NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Grayson	Regulatory and Guidance	Dorchester	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000113	Draper NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Denton	Regulatory and Guidance	Draper	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000114	City of Emhouse NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Navarro	Regulatory and Guidance	Emhouse	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000115	City of Eureka NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Navarro	Regulatory and Guidance	Eureka	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000116	City of Goodlow NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Navarro	Regulatory and Guidance	Goodlow	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000117	Grays Prairie NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Kaufman	Regulatory and Guidance	Grays Prairie	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000118	City of Hebron NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Denton	Regulatory and Guidance	Hebron	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000119	City of Iola NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Grimes	Regulatory and Guidance	Iola	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000120	City of Kirvin NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Freestone	Regulatory and Guidance	Kirvin	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.

Region 3 - Potential FMS

FMS ID	FMS Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes	Internal Notes
032000121	City of Latexo NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Houston	Regulatory and Guidance	Latexo	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000122	City of Leona NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Leon	Regulatory and Guidance	Leona	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000123	City of Midway NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Madison	Regulatory and Guidance	Midway	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000124	City of Mustang NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Navarro	Regulatory and Guidance	Mustang	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000125	City of Nevada NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Collin	Regulatory and Guidance	Nevada	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000126	Oak Grove NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Kaufman	Regulatory and Guidance	Oak Grove	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000127	Oak Valley NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Navarro	Regulatory and Guidance	Oak Valley	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000128	City of Penelope NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Hill	Regulatory and Guidance	Penelope	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000129	Post Oak Bend NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Kaufman	Regulatory and Guidance	Post Oak Bend	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000130	Providence Village NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Denton	Regulatory and Guidance	Providence Village	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000131	Town of Road Runner NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Cooke	Regulatory and Guidance	Town of Road Runner	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000132	City of Rosser NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Kaufman	Regulatory and Guidance	Rosser	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.

Region 3 - Potential FMS									
FMS ID	FMS Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Meeting Notes	Internal Notes
032000133	City of Tehuacana NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Limestone	Regulatory and Guidance	Tehuacana	Y			Consider 1 region wide FMS for helping communities adopt this ordinance. We would need to ID a logical sponsor.
032000134	City of Dallas Buyout of Repetitive Loss Properties	Develop a buyout program for repetitive loss properties within the city.	Dallas	Property Acquisition and Structural Elevation	Dallas	Y			
032000135	City of Fort Worth HROM Program	Implement a Hazardous Roadway Overtopping Mitigation (HROM) Program to prioritize hazardous roadway overtopping and identify acceptable, affordable, and effective solutions for construction to maximize impact of available funding and reduce risks.	Tarrant	Infrastructure Projects	Fort Worth	Y			
032000136	City of Lindsay Flood Monitoring System	Install flood monitoring equipment throughout the City of Lindsay.	Cooke	Flood Measurement and Warning	Lindsay	Y			
032000137	Mobile City NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Rockwall	Regulatory and Guidance	Mobile City	Y			
032000138	City of Fort Worth Open Space Conservation	Develop an open space acquisition program.	Tarrant	Property Acquisition and Structural Elevation	Fort Worth	Y			Nature-Based Solutions
032000139	City of Burleson Flood Warning and Safety Improvements	Safety improvements at SE Tarrant Ave, N Warren St, SW Johnson Ave, and SE Newton Dr. Safety improvements may include, but are not limited to, high-water warning flashers, staff gauges, flood hazard signs, and additional light fixtures.	Johnson	Flood Measurement and Warning	City of Burleson	Y			

**Region 3 - Table 14: Potentially Feasible Flood Management Strategies Identified by RFPG**

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost (\$)	Potential Funding Sources and Amount
032000001	Lavon Warning System	Expand the Early Warning Sirens and Local Warning System to notify new populations of impending severe weather or imminent hazards to reduce the loss of life and mitigate the effects of the hazards	03000001, 03000002	Collin	1203010603, 1203010604	03000225, 03000225, 03000226	Flood Measurement and Warning	3.0		Lavon	00000207, 0000207		\$ 250,000	
032000002	Lindsay Flood Warning and Public Safety Improvements	Citywide "reverse 911" to enable local emergency officials to notify emergency information pertaining to flood advisories, flood warnings, and flood evacuations.	03000001, 03000002	Cooke	1203010301, 1203010304	03000102, 03000102, 03000111	Flood Measurement and Warning	2.2		Lindsay	00000189, 0000189		\$ 250,000	
032000003	Addition of Low Water Crossing Signs and Gates - City of Irving	Identify and add low water crossing signs and gates to low water crossing areas as described in The Road to The Future Report.	03000001, 03000002, 03000003, 03000004	Dallas	1203010207, 1203010310, 1203010501	03000077, 03000077, 03000078, 03000094, 03000096, 03000097, 03000148, 03000149, 03000168	Flood Measurement and Warning	67.7		Irving	03000224, 03000224, 0300225		\$ 250,000	
032000004	Richardson Flood Warning and Public Safety Improvements	Monitor streams and waterways for potential flooding problems including installation of gauges, sensors, and precipitation measuring sites.	03000001, 03000002	Dallas	1203010501, 1203010604, 1203010605	03000173, 03000173, 03000174, 03000205, 03000206, 03000229, 03000232	Flood Measurement and Warning	28.6		Richardson	00000207, 0000207, 0300225		\$ 250,000	
032000005	Timber Creek Flood Warning System Installation	Purchase and Install Flood Warning Systems in Key Areas Along Timber Creek	03000001, 03000002	Denton	1203010310	03000146, 03000146	Flood Measurement and Warning	3.2		Lewisville	03000208, 0300208		\$ 250,000	
032000006	Houston County Stream and Rain Gauge Installation	Install stream and rain gauges in flood prone areas and waterways as part of new alert notification system	03000001, 03000002	Houston	1203020104, 1203020107, 1203020203, 1203020206, 1203020207, 1203020208	03000327, 03000327, 03000328, 03000329, 03000330, 03000358, 03000371, 03000372, 03000373, 03000384, 03000385, 03000386, 03000387, 03000388, 03000390, 03000406, 03000407, 03000408, 03000409, 03000410, 03000411, 03000412, 03000413, 03000414, 03000416, 03000417, 03000428	Flood Measurement and Warning	1231.7		Houston County	00000053, 0000053, 0000055, 0000055, 0000065, 0000065, 0000128, 000000132, 00000156		\$ 250,000	
032000007	Hunt County Flood Warning and Public Safety	Adopt and Promote the program of "Turn Around Don't Drown Campaign." Implement early warning program.	03000001, 03000002, 03000003, 03000004	Hunt	1203010601, 1203010701	03000207, 03000207, 03000208, 03000241	Flood Measurement and Warning	879.3		Hunt County	00000108, 0000108, 0000110, 0000110, 0000175, 00000188, 00000207, 00000212		\$ 250,000	
032000008	City of Kemp Siren Notification System	Install siren notification system for disasters, including dam failure of Kemp Lake Dam	03000001, 03000002	Kaufman	1203010701, 1203010702, 1203010703	03000239, 03000239, 03000249, 03000250, 03000256, 03000258	Flood Measurement and Warning	2.5		Kemp	00000108, 0000108		\$ 250,000	
032000009	Leon County Local Flood Warning System	This action proposes a local flood warning system to reduce the potential impacts of future flood events	03000001, 03000002	Leon	1203020104, 1203020105, 1203020106, 1203020107, 1203020201, 1203020202, 1203020203, 1203020204	03000330, 03000330, 03000357, 03000359, 03000360, 03000362, 03000363, 03000364, 03000365, 03000369, 03000370, 03000371, 03000375, 03000376, 03000377, 03000378, 03000379, 03000380, 03000381, 03000382, 03000383, 03000384, 03000387, 03000389, 03000390, 03000391	Flood Measurement and Warning	1076.2		Leon County	00000055, 0000055, 0000128, 0000132, 00000137, 00000143, 00000156		\$ 250,000	
032000010	Rockwall County Warning Signs and Flood Control Gates	Install automatic flood warning gates to prevent access into flooded areas. Install warning signs and flood control	03000001, 03000002, 03000003, 03000004	Rockwall	1203010604, 1203010605, 1203010701	03000204, 03000204, 03000205, 03000226, 03000231, 03000233, 03000240, 03000241	Flood Measurement and Warning	148.0		Rockwall County	00000108, 0000108, 0000175, 0000207, 00000212, 03000225		\$ 250,000	
032000011	Chambers Creek Stream Flow Monitoring System	Implement a Stream Flow Monitoring system that will allow for historical tracking and constant monitoring of water levels to assist with early warnings to residents	03000001, 03000002	Tarrant	1203010204	03000074, 03000074	Flood Measurement and Warning	1.7		Everman	03000224, 0300224		\$ 250,000	
032000012	Creek Level Monitoring Systems and Weather Stations Installation	Install creek level monitoring systems and weather stations	03000001, 03000002	Tarrant	1203010204, 1203010206	03000080, 03000080, 03000087, 03000089, 03000090, 03000091	Flood Measurement and Warning	36.5		Mansfield	00000104, 0000104, 03000105, 03000224		\$ 250,000	
032000013	Dalworthington Flood Warning System	Purchase and install a technological based high water detection system for low water crossings to mitigate the hazards when the location floods	03000001, 03000002, 03000003, 03000004	Tarrant	1203010204	03000080, 03000080	Flood Measurement and Warning	1.8		Dalworthington	03000224, 0300224		\$ 300,000	
032000014	Colleyville Flood Warning System	Enhance high water warning system by adding automatic gates on the streets that normally flood	03000001, 03000002, 03000003, 03000004	Tarrant	1203010205, 1203010207	03000075, 03000075, 03000076, 03000085	Flood Measurement and Warning	13.2		Colleyville	03000224, 0300224		\$ 250,000	
032000015	Haslet Flood Warning System	Install flood warning devices to low water crossing.	03000001, 03000002, 03000003, 03000004	Tarrant	1203010205, 1203010207, 1203010403	03000075, 03000075, 03000083, 03000159, 03000160	Flood Measurement and Warning	10.5		Haslet	03000208, 03000208, 0300224		\$ 250,000	
032000016	Additional Rain/Stream Gauges for 13 locations	West Fork Trinity River at MacArthur Blvd, Bowman Creek at Mirabella Blvd, Cottonwood Creek at Robinson Road, Johnson Creek at Duncan Perry Road, Foster Branch at Seeton Road, Mountain Creek at county road FM 661, Carrier Parkway underneath I-20, Robinson	03000001, 03000002	Dallas	1203010206, 1203010207	03000077, 03000077, 03000078, 03000087, 03000088, 03000089, 03000091, 03000092, 03000093, 03000094, 03000095	Flood Measurement and Warning	81.0		Grand Prairie	03000105, 03000105, 03000224, 0300225		\$ 250,000	
032000017	Additional Low Water Crossing Flashing Lights and Automated Gates	Duncan Perry Road between Ave K and Sherwood Drive, Riverside Pkwy LWC (lights already in place need gates added), SW 3rd from Phillips Ct to Dickey Road (gates being added in September 2021)	03000003, 03000004	Dallas	1203010206, 1203010207	03000077, 03000077, 03000078, 03000087, 03000088, 03000089, 03000091, 03000092, 03000093, 03000094, 03000095	Flood Measurement and Warning	81.0		Grand Prairie	03000105, 03000105, 03000224, 0300225		\$ 250,000	
032000018	Grayson County Flood Warning and Public Safety Improvements	Create improved gauge notification system. Increased Public Awareness prior to occurrences and during flooding.	03000001, 03000002	Grayson	1203010302, 1203010303, 1203010307, 1203010601, 1203010602, 1203010603	03000103, 03000103, 03000104, 03000108, 03000120, 03000121, 03000122, 03000123, 03000129, 03000131, 03000132, 03000210, 03000211, 03000212, 03000213, 03000215, 03000220, 03000221	Flood Measurement and Warning	976.5		Grayson County	00000189, 0000189, 0000190, 03000208		\$ 250,000	
032000019	Dallas County Floodplain Management	Manage the Floodplain beyond the minimum requirements. This action will include developing an incentive program for building above the required freeboard minimum	03000005, 03000006	Dallas	1203010206, 1203010207, 1203010310, 1203010403, 1203010501, 1203010502, 1203010503, 1203010604, 1203010605, 1203010903	03000110, 03000110, 03000112	Regulatory and Guidance	904.7		Dallas County	03000105, 03000105, 0000108, 0000108, 0000175, 00000207, 03000208, 03000224, 03000225		\$ 1,000,000	
032000020	Anderson County Structure Permitting Requirement Update	Increase freeboard requirements for permitting structures in the SFHA; Adopt a "no-rise" in BFE in the 100-year floodplain; Update local flood ordinance to prohibit granting of variance in SFHA	03000011, 03000012, 03000025, 03000026	Anderson	1203010505, 1203020102, 1203020103, 1203020104, 1203020107	03000194, 03000194, 03000330, 03000343, 03000344, 03000345, 03000346, 03000347, 03000348, 03000349, 03000350, 03000351, 03000352, 03000353, 03000354, 03000355, 03000356, 03000357, 03000358, 03000359, 03000371, 03000372	Regulatory and Guidance	1073.5		Anderson County	00000128, 0000128, 0000132, 0000143, 00000156, 00000164		\$ 100,000	
032000021	Bynum Stormwater Management Policy Updates	Update storm water management policies. Require approved site control plans and storm water runoff plans before long-duration construction projects are permitted to begin.		Hill	1203010801	03000273, 03000273, 03000275	Regulatory and Guidance	0.1		Bynum	00000161, 0000161		\$ 100,000	

Region 3 - Table 14: Potentially Feasible Flood Management Strategies Identified by RFPG (cont.)

FMS ID (cont.)	FMS Name2	Flood Risk										Reduction in Flood Risk																
		Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Habitable structures removed from 100yr (1% annual chance) Flood risk	Estimated Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Cost/ Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
032000001	Lavon Warning System			2	2	3	0	1		1	30.1														No	No	No	No
032000002	Lindsay Flood Warning and Public Safety Improvements			42	27	48	0	0		2	109.8														No	No	No	No
032000003	Addition of Low Water Crossing Signs and Gates - City of Irving			1384	1041	34898	0	130		49	1305.3														No	No	No	No
032000004	Richardson Flood Warning and Public Safety Improvements			179	137	2418	0	106		8	81.5														No	No	No	No
032000005	Timber Creek Flood Warning System Installation			143	127	763	0	0		3	35.3														No	No	No	No
032000006	Houston County Stream and Rain Gauge Installation			435	200	343	0	71		43	62056.9														No	No	No	No
032000007	Hunt County Flood Warning and Public Safety			15	10	6	0	0		2	1364.6														No	No	No	No
032000008	City of Kemp Siren Notification System			21	5	69	0	0		4	72.2														No	No	No	No
032000009	Leon County Local Flood Warning System			408	7	305	0	20		41	46678.9														No	No	No	No
032000010	Rockwall County Warning Signs and Flood Control Gates			485	306	1614	0	57		26	3567.3														No	No	No	No
032000011	Chambers Creek Stream Flow Monitoring System			291	221	1181	0	31		5	86.0														No	No	No	No
032000012	Creek Level Monitoring Systems and Weather Stations Installation			172	121	774	0	67		9	386.9														No	No	No	No
032000013	Dalworthington Flood Warning System			13	12	30	0	12		1	16.5														No	No	No	No
032000014	Colleyville Flood Warning System			155	134	785	0	17		5	133.3														No	No	No	No
032000015	Haslet Flood Warning System			56	36	203	0	11		2	608.1														No	No	No	No
032000016	Additional Rain/Stream Gauges for 13 locations			592	254	5011	0	102		39	1946.8														No	No	No	No
032000017	Additional Low Water Crossing Flashing Lights and Automated Gates			592	254	5011	0	102		39	1946.8														No	No	No	No
032000018	Grayson County Flood Warning and Public Safety Improvements			312	236	458	0	2		35	11266.8														No	No	No	No
032000019	Dallas County Floodplain Management			20906	15150	405925	0	1785		687	27584.4														No	No	No	No
032000020	Anderson County Structure Permitting Requirement Update			164	61	102	0	27		23	26699.3														No	No	No	No
032000021	Bynum Stormwater Management Policy Updates																								No	No	No	No

Region 3 - Table 14: Potentially Feasible Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost (\$)	Potential Funding Sources and Amount
032000022	Flood Protection Ordinance Updates	Develop and Implement a City and Town flood protection ordinance	03000005, 03000006	Denton	1203010307,1203010308,1203010309,1203010310	03000130,03000130,03000133,03000138,03000140,03000141,03000142,03000143,03000144,03000145,03000147	Regulatory and Guidance	56.4		Corinth, Hickory Creek, Lake Dallas, Little Elm, Shady Shores, The Colony	00000207,00000207,03000208		\$ 100,000	
032000023	Hill County Flooding Regulations Update	Catalog, evaluate, and update any floodplain regulations within the City to comply with the latest FEMA regulations.	030000011, 030000012, 030000025, 030000026	Hill	1203010801,1203010802,1203010803,1203010901,1203010902	03000268,03000268,03000269,03000270,03000271,03000272,03000273,03000274,03000275,03000276,03000277,03000278,03000280,03000284,03000305,03000309,03000318,03000319	Regulatory and Guidance	981.9		Hill County	00000104,03000104,03000105,00000137,00000161,030000163		\$ 100,000	
032000024	Freestone County Flood Damage Prevention Ordinance	Develop and Implement a Flood Damage Prevention Ordinance	030000011, 030000012, 030000025, 030000026	Freestone	1203010505,1203010804,1203020101,1203020103,1203020104,1203020105,1203020106,1203020107	03000110,03000110,03000112	Regulatory and Guidance	888.2		Freestone County	00000132,00000132,00000137,00000143,00000156,030000163,00000164		\$ 100,000	
032000025	Caney City Floodproofing Ordinances	Implement ordinances to ensure new housing developments meet current floodproofing, as well as ensure that critical facilities owned by jurisdiction are protected from flood.	030000025, 030000026	Henderson	1203010703	03000262,03000262,03000264	Regulatory and Guidance	1.1		Caney City	00000164,00000164		\$ 100,000	
032000026	Leon County Floodplain Construction Restrictions Re-Evaluation	This action proposes a re-evaluation of all existing floodplain construction restrictions to identify strengths and weaknesses in order to reduce future damages during flood events	030000025, 030000026	Leon	1203020104,1203020105,1203020106,1203020107,1203020201,1203020202,1203020203,1203020204	03000330,03000330,03000357,03000359,03000360,03000362,03000363,03000364,03000365,03000369,03000370,03000371,03000375,03000376,03000377,03000378,03000379,03000380,03000381,03000382,03000383,03000384,03000387,03000389,03000390,03000391	Regulatory and Guidance	1075.9		Leon County	00000128,00000128,00000132,00000137,00000143,00000156		\$ 100,000	
032000027	Rockwall County Flood Prevention Ordinance	Update Flood Prevention ordinance, adopting a "no-rise" in Base Flood Elevation in the 100-year floodplain	030000011, 030000012, 030000025, 030000026	Rockwall			Regulatory and Guidance	148.0		Rockwall County	00000175,00000175,00000207,00000212		\$ 100,000	
032000028	San Jacinto County Ordinance to Control Location of Development	Strengthen ordinance(s)/code(s) to control location of development, especially in low lying flood hazard areas	030000021, 030000022, 030000025, 030000026	San Jacinto	1203020211,1203020212	03000441,03000441,03000442,03000444,03000450	Regulatory and Guidance	9.5		San Jacinto County, Shepherd, Coldspring, Point Blank	00000047,00000047		\$ 100,000	
032000029	Montague County Floodplain Policy Update	Increase freeboard requirements for permitting structures in the SFHA; Update local flood ordinance to prohibit granting of variance in SFHA	030000011, 030000012, 030000021, 030000022, 030000025, 030000026	Montague	1203010104,1203010105,1203010305,1203010401	030000021,030000021,03000032,03000033,03000034,03000039,03000040,03000041,03000042,03000043,03000115,03000116,03000117,03000119,03000150,03000151,03000152,03000165,03000166	Regulatory and Guidance	933.2		Montague County	00000191,00000191,00000194,00000253		\$ 100,000	
032000030	Town of Westlake's Floodplain Mitigation Ordinances Review	Review and enhance the Town of Westlake's floodplain mitigation ordinances and policies as needed	030000025, 030000026	Tarrant	1203010403	03000163,03000163	Regulatory and Guidance	7.1		Westlake	03000208,03000208,03000224		\$ 100,000	
032000031	Wills Point Structure Permitting Requirement Update	Increase freeboard requirements for permitting structures in the SFHA; Adopt a "no-rise" in BFE in the 100-year floodplain; Update local flood ordinance	030000011, 030000012, 030000025, 030000026	Van Zandt	1203010702	03000253,03000253	Regulatory and Guidance	1.7		Wills Point	00000110,00000110		\$ 100,000	
032000032	Wise County Storm Water Management Plan	Create a Storm water Management Plan	030000025, 030000026	Wise	1203010104,1203010105,1203010106,1203010202,1203010305,1203010308,1203010401,1203010402,1203010403	03000163,03000163	Regulatory and Guidance	919.3		Wise County, Alvord	00000122,00000122,00000169,00000169,00000191,030000208,030000209,03000024,000000253		\$ 300,000	
032000033	Valley View Floodplain Regulation Updates	Update local ordinances to include regulation of floodplain so that the community may participate in NFIP program.	030000011, 030000012, 030000025, 030000026	Cooke	1203010304	03000110,03000110,03000112	Regulatory and Guidance	2.1		Valley View	00000189,00000189		\$ 100,000	
032000034	City of Sachse Parks Construction Along Low Lying Areas	Establish city parks along low-lying areas	030000021, 030000022, 030000027, 030000028	Dallas	1203010604	03000205,03000205,03000229,03000230	Other	9.9		Sachse	00000207,00000207,03000225		\$ 1,000,000	
032000035	Carrollton Targeted Flood Remediation	Plan for and establish City-owned stand-by contracts for targeted flood remediation of private homes if authorized by City Administration.	030000013, 030000014, 030000025, 030000026	Dallas	1203010310,1203010403,1203010501	03000145,03000145,03000146,03000147,03000148,03000149,03000167,03000170	Property Acquisition and Structural Elevation	37.3		Carrollton	00000207,00000207,03000208,03000225		\$ 5,000,000	
032000036	Sunnyvale Floodplain Preservation Program	Restrict future development in high risk areas.	030000025, 030000026	Dallas	1203010604,1203010605	03000231,03000231,03000232,03000234	Regulatory and Guidance	16.7		Sunnyvale	00000108,00000108,03000225		\$ 100,000	
032000037	Itasca Zoning Regulations and Land Use Planning Mechanisms	Establish zoning regulations to prohibit residential construction in flood prone areas. Implement strategic land-use planning mechanisms to ensure flood-resistant development occurs in flood-prone areas	030000025, 030000026	Hill	1203010901	03000319,03000319	Regulatory and Guidance	0.7		Itasca	00000161,00000161		\$ 100,000	
032000038	Kaufman County Regulation Standards to Protect Open Space Flood-Prone Areas	Conduct program in conjunction with local communities to incorporate regulatory standards to protect open space flood-prone areas	030000021, 030000022, 030000025, 030000026, 030000027, 030000028	Kaufman	1203010502,1203010504,1203010505,1203010604,1203010605,1203010701,1203010702,1203010703	03000001,03000001,03000002,03000003,03000004,03000007,03000008,03000009,03000010,03000011,03000012,03000013,03000014,03000015,03000016,03000017,03000018,03000019,03000020,03000021,03000022,03000023,03000025,03000026,03000027,03000029,03000030,03000040	Regulatory and Guidance	804.4		Kaufman County	03000105,03000105,00000108,00000110,00000110,00000164,00000175,00000212,030000225		\$ 100,000	
032000039	Tarrant County Promotion of Open Space and LID	Promote the inclusion of low impact development requirements in local and regional ordinances	030000027, 030000028	Tarrant	1203010106,1203010201,1203010202,1203010203,1203010204,1203010205,1203010206,1203010207,1203010310,1203010403	03000074,03000074	Regulatory and Guidance	899.5		North Central Texas Council of Govt	00000104,00000104,03000105,00000105,00000122,030000208,030000209,03000024,030000225		\$ 500,000	

Region 3 - Table 14: Potentially Feasible Flood Management Strategies Identified by RFPG (cont.)

FMS ID (cont.)	FMS Name2	Flood Risk										Reduction in Flood Risk																
		Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Habitable structures removed from 100yr (1% annual chance) Flood risk	Estimated Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Cost/ Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
032000022	Flood Protection Ordinance Updates			486	285	1410	0	10		30	1598.6														No	No	No	No
032000023	Hill County Flooding Regulations Update			46	21	105	0	0		12	14822.6														No	No	No	No
032000024	Freestone County Flood Damage Prevention Ordinance			369	97	247	0	4		37	33411.4														No	No	No	No
032000025	Caney City Floodproofing Ordinances			10	3	4	0	0		0	2.1														No	No	No	No
032000026	Leon County Floodplain Construction Restrictions Re-Evaluation			408	7	305	0	20		41	46640.2														No	No	No	No
032000027	Rockwall County Flood Prevention Ordinance																								No	No	No	No
032000028	San Jacinto County Ordinance to Control Location of Development			201	186	764	0	0		3	32.8														No	No	No	No
032000029	Montague County Floodplain Policy Update			350	159	232	0	0		19	9421.8														No	No	No	No
032000030	Town of Westlake's Floodplain Mitigation Ordinances Review			23	10	643	0	11		2	235.6														No	No	No	No
032000031	Wills Point Structure Permitting Requirement Update			17	4	59	0	0		1	15.7														No	No	No	No
032000032	Wise County Storm Water Management Plan			1741	1031	3134	0	18		66	40398.4														No	No	No	No
032000033	Valley View Floodplain Regulation Updates			3	0	1	0	9		2	68.9														No	No	No	No
032000034	City of Sachse Parks Construction Along Low Lying Areas			58	41	250	0	22		2	245.1														Yes	No	No	No
032000035	Carrollton Targeted Flood Remediation			310	112	9533	0	50		21	589.8														No	No	No	No
032000036	Sunnyvale Floodplain Preservation Program			52	33	196	0	6		5	981.6														No	No	No	No
032000037	Itasca Zoning Regulations and Land Use Planning Mechanisms																								No	No	No	No
032000038	Kaufman County Regulation Standards to Protect Open Space Flood-Prone Areas			1321	754	3174	0	65		86	69794.7														Yes	No	No	No
032000039	Tarrant County Promotion of Open Space and LID			15217	10913	109691	0	1651		429	17019.1														Yes	No	No	No

**Region 3 - Table 14: Potentially Feasible Flood Management Strategies Identified by RFPG**

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost (\$)	Potential Funding Sources and Amount
032000040	Itasca Land Use Planning Mechanisms	Implement strategic land-use planning mechanisms to ensure flood-resistant development occurs in flood-prone areas	03000021, 03000022, 03000025, 03000026, 03000027, 03000028	Hill	1203010901	03000319,03000319	Regulatory and Guidance	0.7		Itasca	00000161,0000161		\$ 100,000	
032000041	Dallas County Land Use Program	Continue to develop and maintain special use parks and green belt areas as flooding mitigation strategies & further prohibiting development in the floodplain.	03000021, 03000022, 03000025, 03000026, 03000027, 03000028	Dallas	1203010501,1203010604,1203010605	03000173,03000173,03000174,03000205,03000206,03000229,03000232	Regulatory and Guidance	28.6		Richardson	00000207,00000207,03000225		\$ 100,000	
032000042	Houston County Maintenance Program	Conduct annual program to clear debris from bridges, box culverts, and drainage systems throughout. Implement program to clear debris from flood-prone areas, bridges, drains and culverts to prevent overtopping and backup during flash floods	03000029, 03000030	Houston	1203020104,1203020107,1203020203,1203020206,1203020207,1203020208	03000327,03000327,03000328,03000329,03000330,03000358,03000371,03000372,03000373,03000384,03000385,03000386,03000387,03000388,03000390,03000406,03000407,03000408,03000409,03000410,03000411,03000412,03000413,03000414,03000416,03000417,03000428	Other	1231.8		Houston County	00000055,00000055,00000055,00000055,000128,00000132,00000156		\$ 100,000	
032000043	Kaufman County Agreement to Monitor High Hazard Dams	Develop a mutual aid agreement with the City of Terrell, City of Kemp, City of Kaufman to monitor High hazard dams with automated monitor to minimize potential dam failure of the structure	03000001, 03000002, 03000025, 03000026	Kaufman	1203010502,1203010504,1203010505,1203010604,1203010605,1203010701,1203010702,1203010703	03000001,03000001,03000002,03000003,03000004,03000007,03000008,03000009,03000010,03000011,03000012,03000013,03000014,03000015,03000016,03000017,03000018,03000019,03000020,03000021,03000022,03000023,03000025,03000026,03000027,03000029,03000033,03000040	Other	804.4		Kaufman County, Terrell, Kemp, Kaufman	03000105,03000105,003000108,00001010,00000164,00000175,00000212,03000225		\$ 300,000	
032000044	Rowlett Creek Tributary Maintenance Program	Routine channel maintenance and erosion control for Rowlett Creek Tributary (Stream 2D13). Keep creek and inlets clear of debris and overgrown vegetation.	03000031, 03000032	Dallas	1203010501,1203010604,1203010605	03000174,03000174,03000204,03000205,03000206,03000229,03000230,03000231,03000232	Other	56.7		Sachse	00000207,00000207,03000225		\$ 250,000	
032000045	Addison-Carrollton Debris Cleaning Program	Adopt and implement a program for clearing debris from bridges, drains and culverts.	03000031, 03000032	Dallas	1203010310,1203010403,1203010501	03000145,03000145,03000146,03000147,03000148,03000149,03000167,03000170,03000173	Other	41.6		Addison, Carrollton	00000207,00000207,03000208,03000225		\$ 100,000	
032000046	Navarro County Waterways Clearing	Clear waterways of debris and prevent further collection of debris in waterways	03000031, 03000032	Navarro	1203010802,1203010804,1203010904	03000283,03000283,03000292,03000293,03000301,03000302,03000303	Other	23.9		Corsicana	03000163,03000163		\$ 75,000	
032000047	Weatherford Biannual Dam Inspection Program	Create and implement a biannual inspection program to inspect the city-owned dams to help prevent dam failure	03000033, 03000034	Parker	1203010201,1203010202	03000054,03000054,03000059,03000060,03000061,03000062,03000063	Other	26.1		Weatherford	00000122,00000122		\$ 50,000	
032000048	Richland Hills Semi-Annual Levee Inspections	Perform semi-annual inspection of the levee to look for any maintenance problems or levee failure issues	03000033, 03000034	Tarrant	1203010205	03000083,03000083,03000085,03000086	Other	3.1		Richland Hills	03000224,03000224		\$ 50,000	
032000049	Rowlett Creek Tributary Maintenance Program	Routine channel maintenance and erosion control for Rowlett Creek Tributary (Stream 2D13). Keep creek and inlets clear of debris and overgrown vegetation.	03000031, 03000032	Collin , Dallas	1203010604	03000205,03000205,03000229,03000230	Other	9.9		Sachse	00000207,00000207,03000225		\$ 250,000	
032000050	Hazard Hardening Retrofit for Polk County Facilities	Flood-proofing, impact resistant windows, storm shutters, roof straps, structural bracing, low-flow plumbing fixtures, roll-up door reinforcement, grounding systems, surge-protection, data back-up systems, plumbing reinforcement and insulation, heat resil	03000019, 03000020	Polk	1203020209,1203020210,1203020211,1203020212	03000423,03000423,03000424,03000425,03000426,03000433,03000434,03000435,03000436,03000437,03000439,03000440,03000441,03000442,03000443,03000445,03000446,03000447,03000448,03000449,03000450	Property Acquisition and Structural Elevation	1112.2		Polk County, Corrigan, Goodrich, Livingston, Onalaska, Seven Oaks	00000033,000000			

Region 3 - Table 14: Potentially Feasible Flood Management Strategies Identified by RFPG (cont.)

		Flood Risk										Reduction in Flood Risk																		
FMS ID (cont.)	FMS Name2	Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Habitable structures removed from 100yr (1% annual chance) Flood risk	Estimated Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Cost/ Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)		
032000040	Itasca Land Use Planning Mechanisms																									No	No	No	No	
032000041	Dallas County Land Use Program			179	137	2418	0	106		8	81.5															Yes	No	No	No	
032000042	Houston County Maintenance Program			435	200	343	0	71		43	62057.1															No	No	No	No	
032000043	Kaufman County Agreement to Monitor High Hazard Dams			1321	754	3174	0	65		86	69794.7															No	No	No	No	
032000044	Rowlett Creek Tributary Maintenance Program			1124	937	8916	0	216		30	706.0															No	No	No	No	
032000045	Addison-Carrollton Debris Cleaning Program			328	126	10648	0	50		22	589.8															No	No	No	No	
032000046	Navarro County Waterways Clearing			465	323	2845	0	143		14	522.9															No	No	No	No	
032000047	Weatherford Biannual Dam Inspection Program			412	43	1315	0	17		10	540.6															No	No	No	No	
032000048	Richland Hills Semi-Annual Levee Inspections			361	343	2039	0	64		6	3.7															No	No	No	No	
032000049	Rowlett Creek Tributary Maintenance Program			58	41	250	0	22		2	245.1															No	No	No	No	
032000050	Hazard Hardening Retrofit for Polk County Facilities			4142	2537	5769	0	12		57	13195.0															No	No	No	No	
032000051	Acquire and Protect Red Oak Creek, Bentle Branch Creek, and Balcones Escarpment			100	81	1322	0	3		7	96.7															Yes	No	No	No	
032000052	Ten Mile Creek Comprehensive Loss Reduction Program			318	243	1245	0	63		10	428.6															No	No	No	No	
032000053	Midway Property Acquisition and Elevation Program			0	0	0	0	0			2.3															No	No	No	No	
032000054	Montague County Property Acquisition and Land Preservation Program			350	159	232	0	0		19	9421.8															Yes	No	No	No	
032000055	Montague County Sewage Treatment Plants and Sewage Lift Stations Flood-Proofing Program			350	159	232	0	0		19	9421.8															No	No	No	No	
032000056	San Jacinto County Voluntary Property Acquisition & Elevation Program			78	71	598	0	0		2	21.1															No	No	No	No	
032000057	Johnson County Acquisition of Flood Prone Structures			1467	1072	4645	0	108		50	11546.2															No	No	No	No	
032000058	Acquisition of Repetitive Loss Properties in the Deep River Plantation Subdivision			1398	1008	4683	0	18		36	25182.1															No	No	No	No	
032000059	Anderson County Floodplain Acquisition and Preservation Program			164	61	102	0	27		23	26699.3															Yes	No	No	No	

Region 3 - Table 14: Potentially Feasible Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost (\$)	Potential Funding Sources and Amount
032000060	Collin County Property and Structures Buyout Program	Develop and implement a buyout program for personal properties and structures located in the floodplain	03000013, 03000014	Collin	1203010307, 1203010309, 1203010310, 1203010501, 1203010601, 1203010602, 1203010603, 1203010604	03000194, 03000194, 03000330, 03000343, 03000344, 0300345, 03000346, 03000347, 03000348, 03000349, 03000350, 03000351, 03000352, 03000353, 03000354, 03000355, 03000356, 03000357, 03000358, 03000359, 03000371, 03000372	Property Acquisition and Structural Elevation	883.2		Collin County	00000175,0000175,000188,000190,0000207,03000208,0000012,03000225		\$ 5,000,000	
032000061	Cooke County Acquisition of Repetitive Loss and Damaged Properties	Purchase and removal of damaged homes that are located in the floodplain. Buyout of repetitive flood loss properties in the Wilson Court area.	03000013, 03000014	Cooke	1203010301, 1203010302, 1203010303, 1203010304, 1203010305, 1203010306, 1203010307, 1203010401	03000194, 03000194, 03000330, 03000343, 03000344, 0300345, 03000346, 03000347, 03000348, 03000349, 03000350, 03000351, 03000352, 03000353, 03000354, 03000355, 03000356, 03000357, 03000358, 03000359, 03000371, 03000372	Property Acquisition and Structural Elevation	893.2		Cooke County	00000189,0000189,000190,000191,03000208,03000209		\$ 5,000,000	
032000062	Dallas County Acquisition of Flood-Prone and Repetitive Loss Properties	Acquisition / demolition of 46 flood-prone and repetitive loss properties.	03000013, 03000014	Dallas	1203010206, 1203010207, 1203010310, 1203010403, 1203010501, 1203010502, 1203010503, 1203010604, 1203010605, 1203010903	03000110, 03000110, 03000112	Property Acquisition and Structural Elevation	904.7		Dallas County	03000105,03000105,000108,000175,0000207,03000208,03000224,03000225		\$ 50,000,000	
032000063	Grayson County Buyout of Repetitive Flood Properties	Buyout of repetitive flood properties, which includes any structures found to be located in flood areas that aren't incorporated in NFIP areas.	03000013, 03000014	Grayson	1203010302, 1203010303, 1203010307, 1203010601, 1203010602, 1203010603	03000103, 03000103, 03000104, 03000108, 03000120, 03000121, 03000122, 03000123, 03000129, 03000131, 03000132, 03000210, 03000211, 03000212, 03000213, 03000215, 03000220, 03000221	Property Acquisition and Structural Elevation	976.5		Grayson County	00000189,0000189,000190,03000208		\$ 5,000,000	
032000064	Terrell Property Acquisition Program	Acquire high risk and repetitive flood-prone structures	03000013, 03000014	Kaufman	1203010701	03000240, 03000240, 03000241, 03000242, 03000244, 03000245, 03000246	Property Acquisition and Structural Elevation	25.1		Terrell	00000108,0000108		\$ 5,000,000	
032000065	Leon County Property Acquisition Program	Acquire any repetitive loss structures located below the high hazard dams and homes located in the floodplain.	03000013, 03000014	Leon	1203020104, 1203020105, 1203020106, 1203020107, 1203020201, 1203020202, 1203020203, 1203020204	03000330, 03000330, 03000357, 03000359, 03000360, 0300362, 03000363, 03000364, 03000365, 03000369, 03000370, 03000371, 03000375, 03000376, 03000377, 03000378, 03000379, 03000380, 03000381, 03000382, 03000383, 03000384, 03000387, 03000389, 03000390, 03000391	Property Acquisition and Structural Elevation	1075.9		Leon County	00000128,0000128,000132,0000137,0000143,00000156		\$ 5,000,000	
032000066	City of Fate Floodplain Acquisition and Preservation Program	Acquire, reuse, and preserve open spaces adjacent to floodplain areas	03000013, 03000014, 03000021, 03000022, 03000027, 03000028	Rockwall	1203010604, 1203010605, 1203010701	03000204, 03000204, 03000226, 03000233, 03000240	Property Acquisition and Structural Elevation	6.0		Fate	00000175,0000175,0000207		\$ 5,000,000	
032000067	City of Kennedale Property Acquisition Program - Village Creek	Acquire all private property located within the Village Creek 100-year floodplain in the City of Kennedale	03000013, 03000014	Tarrant	1203010204	03000074, 03000074, 03000079, 03000080	Property Acquisition and Structural Elevation	6.7		Kennedale	03000224,03000224		\$ 5,000,000	
032000068	City of Mansfield Property Acquisition Program	Acquire properties at risk of flooding and permanently remove them from special flood hazard areas.	03000013, 03000014	Tarrant	1203010204, 1203010206	03000080, 03000080, 03000087, 03000089, 03000090, 03000091	Property Acquisition and Structural Elevation	36.5		Mansfield	00000104,0000104,03000105,03000224		\$ 5,000,000	
032000069	Tarrant County Property Acquisition Program	Create a Buyout Program for Repetitive Loss Properties	03000013, 03000014	Tarrant	1203010106, 1203010201, 1203010202, 1203010203, 1203010204, 1203010205, 1203010206, 1203010207, 1203010310, 1203010403	03000397, 03000397, 03000398, 03000399, 03000401, 03000402, 03000403, 03000404, 03000407, 03000408, 03000416, 03000421, 03000422, 03000427, 03000428, 03000429, 03000430, 03000431, 03000432	Property Acquisition and Structural Elevation	899.5		Tarrant	00000104,0000104,03000105,0000122,03000208,03000209,03000224,03000225		\$ 5,000,000	
032000070	Walker County Voluntary Buyout Program	The county and partnering jurisdictions will begin a voluntary buyout program for insured severe repetitive loss properties that are in the floodplain	03000013, 03000014	Walker	1203020204, 1203020205, 1203020206, 1203020207, 1203020208	03000397, 03000397, 03000398, 03000399, 03000401, 03000402, 03000403, 03000404, 03000407, 03000408, 03000416, 03000421, 03000422, 03000427, 03000428, 03000429, 03000430, 03000431, 03000432	Property Acquisition and Structural Elevation	797.7		Walker County, New Waverly, Riverside	00000044,0000044,0000047,0000053,0000055,0000065,00000128		\$ 5,000,000	
032000071	Wise County Repetitive Flood Loss Buyout Program	Develop a buyout program for repetitive flood loss areas within the county	03000013, 03000014, 03000021, 03000022	Wise	1203010104, 1203010105, 1203010106, 1203010202, 1203010305, 1203010308, 1203010401, 1203010402, 1203010403	03000401, 03000401, 03000405	Property Acquisition and Structural Elevation	919.3		Wise County	00000122,0000122,0000189,000191,03000208,03000209,03000224,00000253		\$ 5,000,000	
032000072	City of Chico Property Acquisition Program	City will acquire property and structures in the flood zone along Dry Creek and its tributaries and remove structures to prevent loss of life and property during flooding events.	03000013, 03000014	Wise	1203010104	03000030, 03000030, 03000031	Property Acquisition and Structural Elevation	1.5		Chico	03000209,03000209		\$ 5,000,000	
032000073	Town Creek Warren Park Extension (Property Acquisition Program)	Create a buyout program	03000013, 03000014, 03000021, 03000022	Tarrant	1203010203, 1203010204, 1203010206, 1203010901	03000068, 03000068, 03000072, 03000073, 03000090, 03000313	Property Acquisition and Structural Elevation	28.0		Burleson	00000104,0000104,03000224		\$ 5,000,000	
032000074	City of Hurst Buyout Program	107 total structures across the Lorean, Valley View, and Walker watersheds	03000013, 03000014	Tarrant	1203010205, 1203010207	03000076, 03000076, 03000085, 03000086	Property Acquisition and Structural Elevation	9.9		Hurst	03000224,03000224		\$ 25,000,000	
032000075	Anderson County Flood Education Program	Coordinate and implement a natural hazards public awareness campaign. Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" Program.	03000003, 03000004, 03000037, 03000038	Anderson	1203010505, 1203020102, 1203020103, 1203020104, 1203020107	03000194, 03000194, 03000330, 03000343, 03000344, 0300345, 03000346, 03000347, 03000348, 03000349, 03000350, 03000351, 03000352, 03000353, 03000354, 03000355, 03000356, 03000357, 03000358, 03000359, 03000371, 03000372	Education and Outreach	1073.4		Anderson County	00000128,0000128,000132,0000143,0000156,00000164		\$ 50,000	
032000076	Cooke County Public Information and Education	"Turn Around Don't Drown" campaign.	03000003, 03000004	Cooke	1203010301, 1203010304	03000102, 03000102, 03000111	Education and Outreach	2.2		Lindsay	00000189,0000189		\$ 50,000	
032000077	Cooke County Flood Education and Flood Insurance Public Awareness Program	Education of the public on the importance of Flood Insurance. "Turn Around Don't Drown" campaign.	03000037, 03000038, 03000039, 03000040	Cooke	1203010301, 1203010302, 1203010303, 1203010304, 1203010305, 1203010306, 1203010307, 1203010401	03000194, 03000194, 03000330, 03000343, 03000344, 0300345, 03000346, 03000347, 03000348, 03000349, 03000350, 03000351, 03000352, 03000353, 03000354, 03000355, 03000356, 03000357, 03000358, 03000359, 03000371, 03000372	Education and Outreach	893.2		Cooke County	00000189,0000189,000190,000191,03000208,03000209		\$ 50,000	
032000078	Glenn Heights-Seagoville-Wilmer Flood Safety Improvements and Education	Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" Program	03000003, 03000004, 03000037, 03000038	Dallas	1203010502, 1203010503, 1203010605	03000171, 03000171, 03000172, 03000179, 03000180, 03000181, 03000185, 03000236, 03000238	Education and Outreach	34.4		Glenn Heights, Seagoville, Wilmer	03000105,03000105,000108,03000225		\$ 50,000	

Region 3 - Table 14: Potentially Feasible Flood Management Strategies Identified by RFPG (cont.)

FMS ID (cont.)	FMS Name2	Flood Risk										Reduction in Flood Risk												Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Cost/ Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
		Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Habitable structures removed from 100yr (1% annual chance) Flood risk	Estimated Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk (acres)									
032000060	Collin County Property and Structures Buyout Program			2311	1642	21104	0	192		113	26457.1														No	No	No	No		
032000061	Cooke County Acquisition of Repetitive Loss and Damaged Properties			1386	782	2733	0	102		66	23977.7		30		30	90									No	No	No	No		
032000062	Dallas County Acquisition of Flood-Prone and Repetitive Loss Properties			20906	15150	405925	0	1785		687	27584.4		46		39	117									No	No	No	No		
032000063	Grayson County Buyout of Repetitive Flood Properties			312	236	458	0	2		35	11266.8														No	No	No	No		
032000064	Terrell Property Acquisition Program			103	31	798	0	17		12	1360.7														No	No	No	No		
032000065	Leon County Property Acquisition Program			408	7	305	0	20		41	46640.2														No	No	No	No		
032000066	City of Fate Floodplain Acquisition and Preservation Program			1	0	31	0	0		1	198.0														Yes	No	No	No		
032000067	City of Kennedale Property Acquisition Program - Village Creek			169	77	632	0	10		4	143.4														No	No	No	No		
032000068	City of Mansfield Property Acquisition Program			172	121	774	0	67		8	387.2														No	No	No	No		
032000069	Tarrant County Property Acquisition Program			15217	10913	109691	0	1651		429	17019.1														No	No	No	No		
032000070	Walker County Voluntary Buyout Program			1398	1008	4683	0	18		36	25182.1														No	No	No	No		
032000071	Wise County Repetitive Flood Loss Buyout Program			1741	1031	3134	0	18		66	40398.4														No	No	No	No		
032000072	City of Chico Property Acquisition Program			52	33	84	0	0		2	22.1														No	No	No	No		
032000073	Town Creek Warren Park Extension (Property Acquisition Program)			268	182	2122	0	65		15	740.9														No	No	No	No		
032000074	City of Hurst Buyout Program			319	266	1817	0	52		9	18.0		107												No	No	No	No		
032000075	Anderson County Flood Education Program			164	61	102	0	27		23	26699.3														No	No	No	No		
032000076	Cooke County Public Information and Education			42	27	48	0	0		2	109.8														No	No	No	No		
032000077	Cooke County Flood Education and Flood Insurance Public Awareness Program			1386	782	2733	0	102		66	23977.7														No	No	No	No		
032000078	Glenn Heights-Seagoville-Wilmer Flood Safety Improvements and Education			247	196	505	0	50		12	1684.7														No	No	No	No		

**Region 3 - Table 14: Potentially Feasible Flood Management Strategies Identified by RFPG**

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost (\$)	Potential Funding Sources and Amount
032000079	Krum "Turn Around, Don't Drown" Campaign	Implement "Turn Around, Don't Drown" campaign.	03000003, 03000004, 03000037, 03000038	Denton	1203010308	03000134,03000134,03000136	Education and Outreach	2.4		Krum	03000208.0 3000208		\$ 50,000	
032000080	Fannin County Flood Safety Education	Education programs such as "Turn around Don't Drown." Work with local newspaper to run flood safety information. Public education via water bills, social media, and webpage to promote flood safety.	03000003, 03000004, 03000037, 03000038	Fannin	1203010601	03000207,03000207,03000208,03000209,03000210	Education and Outreach	896.8		Fannin County	00000188.0 0000188,00 000190,000 00207,0000 0212		\$ 50,000	
032000081	Fannin County Flood Insurance Education	Develop and distribute information about the availability and need for flood insurance. Public awareness of NFIP.	03000037, 03000038, 03000039, 03000040	Fannin	1203010601	03000207,03000207,03000208,03000209,03000210	Education and Outreach	896.8		Fannin County	00000188.0 0000188,00 000190,000 00207,0000 0212		\$ 50,000	
032000082	Grayson County Flood Insurance and Flood Safety Education Program	Educate residents on NFIP program and importance of purchasing flood insurance. Turn Around Don't Drown Campaign. Educate property owners near high hazard dams of potential dam failure. Better inform residents of mitigation activities to implement in home	03000037, 03000038, 03000039, 03000040	Grayson	1203010302, 1203010303, 1203010307, 1203010601, 1203010602, 1203010603	03000103,03000103,03000104,03000108,03000120,03000121,03000122,03000123,03000129,03000131,03000132,03000210,03000211,03000212,03000213,03000215,03000220,03000221	Education and Outreach	976.5		Grayson County	00000189.0 0000189,00 000190,030 00208		\$ 50,000	
032000083	Grayson County Flood Safety Education	Turn Around Don't Drown Campaign. Educate property owners near high hazard dams of the potential of a dam failure. Better inform residents of mitigation activities that they can implement in their homes.	03000003, 03000004, 03000037, 03000038	Grayson	1203010302, 1203010303, 1203010307, 1203010601, 1203010602, 1203010603	03000103,03000103,03000104,03000108,03000120,03000121,03000122,03000123,03000129,03000131,03000132,03000210,03000211,03000212,03000213,03000215,03000220,03000221	Education and Outreach	976.5		Grayson County	00000189.0 0000189,00 000190,030 00208		\$ 50,000	
032000084	Hill County Flooding Education and Outreach Program	Develop a coordinated education, outreach, and training program to inform and educate the public about the dangers of flooding and how to prevent flood damages to property.	03000037, 03000038	Hill	1203010801, 1203010802, 1203010803, 1203010901, 1203010902	03000268,03000268,03000269,03000270,03000271,03000272,03000273,03000274,03000275,03000276,03000277,03000278,03000280,03000284,03000305,03000309,03000318,03000319	Education and Outreach	981.9		Hill County	00000104.03 0000104,03 000105,000 00137,0000 0161,03000 163		\$ 50,000	
032000085	Houston County Flood Insurance and Dam Education Program	Develop and implement NFIP public education program for residents affected by high flood risk areas. Educate the Public on mitigation activities that can help protect their properties in the event of structural failures and extreme flooding.	03000037, 03000038, 03000039, 03000040	Houston	1203020104, 1203020107, 1203020203, 1203020206, 1203020207, 1203020208	03000327,03000327,03000328,03000329,03000330,03000358,03000371,03000372,03000373,03000384,03000385,03000386,03000387,03000388,03000390,03000406,03000407,03000408,03000409,03000410,03000411,03000412,03000413,03000414,03000416,03000417,03000428	Education and Outreach	1231.8		Houston County	00000055.0 0000055,00 000065,000 00128,0000 0132,00000 156		\$ 50,000	
032000086	Houston County Public Education on Dam Education	Educate the Public on mitigation activities that can help protect their properties in the event of structural failures and extreme flooding	03000037, 03000038	Houston	1203020104, 1203020107, 1203020203, 1203020206, 1203020207, 1203020208	03000327,03000327,03000328,03000329,03000330,03000358,03000371,03000372,03000373,03000384,03000385,03000386,03000387,03000388,03000390,03000406,03000407,03000408,03000409,03000410,03000411,03000412,03000413,03000414,03000416,03000417,03000428	Education and Outreach	1231.8		Houston County	00000055.0 0000055,00 000065,000 00128,0000 0132,00000 156		\$ 50,000	
032000087	Jack County Flood Education	Implement a flood awareness program by providing FEMA / NFIP materials to mortgage lenders, real estate agents and insurance agents	03000037, 03000038, 03000039, 03000040	Jack	1203010101, 1203010102, 1203010103, 1203010104, 1203010105	03000001,03000001,03000002,03000003,03000004,03000007,03000008,03000009,03000010,03000011,03000012,03000013,03000014,03000015,03000016,03000017,03000018,03000019,03000020,03000021,03000022,03000023,03000025,03000026,03000027,03000029,03000033,03000040	Education and Outreach	917.1		Jack County	00000122.0 0000122,00 000185,000 00191,0000 0194,03000 209,000002 23,0000025 3		\$ 50,000	
032000088	Kaufman County Flood Education Program	Conduct countywide outreach to educate residents on flood hazards, mitigation techniques and promote availability of NFIP flood insurance.	03000037, 03000038, 03000039, 03000040	Kaufman	1203010502, 1203010504, 1203010505, 1203010604, 1203010605, 1203010701, 1203010702, 1203010703	03000001,03000001,03000002,03000003,03000004,03000007,03000008,03000009,03000010,03000011,03000012,03000013,03000014,03000015,03000016,03000017,03000018,03000019,03000020,03000021,03000022,03000023,03000025,03000026,03000027,03000029,03000033,03000040	Education and Outreach	804.4		Kaufman County	03000105.0 3000105,00 000108,000 00110,0000 0164,00000 175,000002 12,0300022 5		\$ 50,000	
032000089	Montague County Flood Education	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.	03000037, 03000038, 03000039, 03000040	Montague	1203010104, 1203010105, 1203010305, 1203010401	03000021,03000021,03000032,03000033,03000034,03000039,03000040,03000041,03000042,03000043,03000115,03000116,03000117,03000119,03000150,03000151,03000152,03000165,03000166	Education and Outreach	933.2		Montague County	00000191.0 0000191,00 000194,000 00253		\$ 50,000	
032000090	Parker County Flood and Dam Education	Create and implement a community-wide educational campaign to educate residents about the NFIP and dam safety	03000037, 03000038, 03000039, 03000040	Parker	1203010104, 1203010106, 1203010201, 1203010202, 1203010203	03000027,03000027,03000028,03000035,03000038,03000049,03000050,03000051,03000053,03000054,03000055,03000057,03000058,03000059,03000060,03000061,03000062,03000063,03000064,03000065,03000066,03000067,03000069,03000070	Education and Outreach	903.0		Weatherford, Hudson Oaks, Aledo, Parker County	00000103.0 0000103,00 000104,000 00122,0300 0209,03000 224,000002 53		\$ 50,000	
032000091	Livingston Flood Damage Mitigation Educational Program	Establish an educational program to teach citizens how to mitigate flood damage to their property	03000037, 03000038	Polk	1203020210	03000436,03000436	Education and Outreach	8.7		Livingston	00000058.0 0000058		\$ 60,000	
032000092	Tarrant County Flood Education	Provide flood risk and mitigation risk mapping materials for property owners in floodplains. Include mitigation techniques	03000037, 03000038	Tarrant	1203010201	03000056,03000056	Education and Outreach	2.0		River Oaks	03000224.0 3000224		\$ 65,000	
032000093	Tarrant County Flood Education Program	Conduct NFIP community workshops to provide information and incentives for property owners to acquire flood insurance.	03000037, 03000038, 03000039, 03000040	Tarrant	1203010106, 1203010201, 1203010202, 1203010203, 1203010204, 1203010205, 1203010206, 1203010207, 1203010310, 1203010403	03000163,03000163	Education and Outreach	899.5		Tarrant County	00000104.0 0000104,03 000105,000 00122,0300 0208,03000 209,030002 24,0300022 5		\$ 50,000	
032000094	Van Zandt County Flood Safety Improvements and Education	Educate community on the dangers of low water crossings	03000003, 03000004, 03000037, 03000038	Van Zandt	1203010702	03000253,03000253	Education and Outreach	856.1		Van Zandt County	00000110.0 0000110		\$ 50,000	
032000095	Walker County Floodplain Regulatory Awareness Public Information Campaign	Rewrite, improve, and implement new local floodplain regulations, to include a public information campaign on regulatory awareness	03000025, 03000026, 03000037, 03000038	Walker	1203020204, 1203020205, 1203020206, 1203020207, 1203020208	03000397,03000397,03000398,03000399,03000401,03000402,03000403,03000404,03000407,03000408,03000416,03000421,03000422,03000427,03000428,03000429,03000430,03000431,03000432	Education and Outreach	797.7		Walker County	00000044.0 0000044,00 000047,000 00053,0000 0055,00000 065,000001 28		\$ 50,000	
032000096	City of Chico NFIP Education Program	Distribute information to downstream property owners educating homeowners about the National Flood Insurance Program.	03000037, 03000038, 03000039, 03000040	Wise	1203010104	03000030,03000030,03000031	Education and Outreach	1.5		Chico	03000209.0 3000209		\$ 50,000	

Region 3 - Table 14: Potentially Feasible Flood Management Strategies Identified by RFPG (cont.)

FMS ID (cont.)	FMS Name2	Flood Risk										Reduction in Flood Risk																
		Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Habitable structures removed from 100yr (1% annual chance) Flood risk	Estimated Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Cost/ Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
032000079	Krum "Turn Around, Don't Drown" Campaign			37	22	114	0	0		1	102.2														No	No	No	No
032000080	Fannin County Flood Safety Education			129	102	88	0	0		3	1253.3														No	No	No	No
032000081	Fannin County Flood Insurance Education			129	102	88	0	0		3	1253.3														No	No	No	No
032000082	Grayson County Flood Insurance and Flood Safety Education Program			312	236	458	0	2		35	11266.8														No	No	No	No
032000083	Grayson County Flood Safety Education			312	236	458	0	2		35	11266.8														No	No	No	No
032000084	Hill County Flooding Education and Outreach Program			46	21	105	0	0		12	14822.6														No	No	No	No
032000085	Houston County Flood Insurance and Dam Education Program			435	200	343	0	71		43	62057.1														No	No	No	No
032000086	Houston County Public Education on Dam Education			435	200	343	0	71		43	62057.1														No	No	No	No
032000087	Jack County Flood Education			158	41	135	0	24		31	18515.6														No	No	No	No
032000088	Kaufman County Flood Education Program			1321	754	3174	0	65		86	69794.7														No	No	No	No
032000089	Montague County Flood Education			350	159	232	0	0		19	9421.8														No	No	No	No
032000090	Parker County Flood and Dam Education			1163	389	3365	0	64		39	13597.6														No	No	No	No
032000091	Livingston Flood Damage Mitigation Educational Program			168	66	675	0	0		8	117.9														No	No	No	No
032000092	Tarrant County Flood Education			19	14	56	0	0		0	0.5														No	No	No	No
032000093	Tarrant County Flood Education Program			15217	10913	109691	0	1651		429	17019.1														No	No	No	No
032000094	Van Zandt County Flood Safety Improvements and Education			17	4	59	0	0		1	15.7														No	No	No	No
032000095	Walker County Floodplain Regulatory Awareness Public Information Campaign			1398	1008	4683	0	18		36	25182.1														No	No	No	No
032000096	City of Chico NFIP Education Program			52	33	84	0	0		2	22.1														No	No	No	No

Region 3 - Table 14: Potentially Feasible Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost (\$)	Potential Funding Sources and Amount
032000097	Dallas County Open Space System Program and Dallas Trails Program	Adopt and implement Dallas County Open Space System Program and Dallas Trails Program.	03000021, 03000022, 03000027, 03000028	Dallas	1203010206, 1203010207, 1203010310, 1203010403, 1203010501, 1203010502, 1203010503, 1203010604, 1203010605, 1203010903	03000110, 03000110, 03000112	Other	904.7		Dallas County	03000105, 03000105, 000108, 000175, 00000207, 03000208, 03000224, 03000225		\$ 5,000,000	
032000098	Parker County Nature-Based Practices for Flood Control	Implement the use of green infrastructure	03000027, 03000028	Parker	1203010104, 1203010106, 1203010201, 1203010202, 1203010203	03000027, 03000027, 03000028, 03000035, 03000038, 03000049, 03000050, 03000051, 03000053, 03000054, 03000055, 03000057, 03000058, 03000059, 03000060, 03000061, 03000062, 03000063, 03000064, 03000065, 03000066, 03000067, 03000069, 03000070	Other	903.0		Parker County, Hudson Oaks	00000103, 00000103, 000104, 000122, 03000209, 03000224, 00000253		\$ 500,000	
032000099	Krugerville waterways stabilization program	Develop waterways stabilization program	03000031, 03000032	Denton	1203010304, 1203010307, 1203010309	03000114, 03000114, 03000131, 03000133, 03000139, 03000140	Other	1.3		Krugerville	03000208, 03000208		\$ 850,000	
032000100	City of Euless Stream Bank Protection Program	Develop a plan to reduce stream bank erosion impacts due to flooding along specific creeks	03000031, 03000032	Tarrant	1203010205, 1203010207	03000075, 03000075, 03000076, 03000077, 03000085, 03000094	Other	16.1		Euless	03000224, 03000224		\$ 250,000	
032000101	Lewisville Storm Water Utility Fee	Levy a storm water fee for developers to fund developments to the storm water drainage systems	03000041, 03000042	Denton	1203010308, 1203010309, 1203010310, 1203010403	03000138, 03000138, 03000144, 03000145, 03000146, 03000147, 03000167	Regulatory and Guidance	42.7		Lewisville	03000208, 03000208, 03000225		\$ 200,000	
032000102	City of Retreat NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Navarro	1203010802, 1203010804, 1203010904	03000283, 03000283, 03000290, 03000292, 03000302	Regulatory and Guidance	5.0		Retreat	03000163, 03000163		\$ 100,000	
032000103	City of Streetman NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Freestone, Navarro	1203010804, 1203020101	03000291, 03000291, 03000292, 03000336	Regulatory and Guidance	1.6		Streetman	00000143, 00000143, 03000163		\$ 100,000	
032000104	City of Alma NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Ellis	1203010504, 1203010904	03000199, 03000199, 03000325	Regulatory and Guidance	5.1		Alma	03000105, 03000105		\$ 100,000	
032000105	City of Alvord NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Wise	1203010105	03000042, 03000042, 03000044	Regulatory and Guidance	1.5		Alvord	03000209, 03000209		\$ 100,000	
032000106	City of Angus NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Navarro	1203010804	03000290, 03000290, 03000292	Regulatory and Guidance	3.1		Angus	03000163, 03000163		\$ 100,000	
032000107	City of Bedias NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Grimes	1203020204, 1203020205	03000374, 03000374, 03000398	Regulatory and Guidance	1.1		Bedias	00000044, 00000044		\$ 100,000	
032000108	City of Bynum NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Hill	1203010801	03000273, 03000273, 03000275	Regulatory and Guidance	0.1		Bynum	00000161, 00000161		\$ 100,000	
032000109	Carl's Corner NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Hill	1203010801	03000271, 03000271, 03000272	Regulatory and Guidance	1.6		Carl's Corner	00000161, 00000161		\$ 100,000	
032000110	City of Combine NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Dallas, Kaufman	1203010502, 1203010605	03000180, 03000180, 03000238	Regulatory and Guidance	7.6		Combine	00000108, 00000108, 03000225		\$ 100,000	
032000111	Cayote Flats NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Johnson	1203010901	03000313, 03000313, 03000318	Regulatory and Guidance	1.7		Coyote Flats	00000104, 00000104		\$ 100,000	
032000112	City of Dorchester NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Grayson	1203010302, 1203010602	03000120, 03000120, 03000211	Regulatory and Guidance	1.4		Dorchester	00000190, 00000190		\$ 100,000	
032000113	Draper NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Denton	1203010403	03000162, 03000162	Regulatory and Guidance	0.2		Draper	03000208, 03000208		\$ 100,000	
032000114	City of Emhouse NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Navarro	1203010904	03000301, 03000301, 03000326	Regulatory and Guidance	0.3		Emhouse	03000163, 03000163		\$ 100,000	
032000115	City of Eureka NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Navarro	1203010804, 1203010904	03000293, 03000293, 03000294, 03000303, 03000304	Regulatory and Guidance	2.4		Eureka	03000163, 03000163		\$ 100,000	
032000116	City of Goodlow NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Navarro	1203010505	03000191, 03000191	Regulatory and Guidance	1.0		Goodlow	03000163, 03000163		\$ 100,000	
032000117	Grays Prairie NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Kaufman	1203010504, 1203010701	03000200, 03000200, 03000201, 03000247, 03000249	Regulatory and Guidance	1.2		Grays Prairie	00000108, 00000108		\$ 100,000	
032000118	City of Hebron NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Denton	1203010310	03000147, 03000147	Regulatory and Guidance	0.4		Hebron	03000208, 03000208		\$ 100,000	
032000119	City of Iola NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Grimes	1203020204	03000394, 03000394	Regulatory and Guidance	0.3		Iola	00000044, 00000044		\$ 100,000	
032000120	City of Kirvin NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Freestone	1203020101	03000333, 03000333, 03000335	Regulatory and Guidance	0.2		Kirvin	00000143, 00000143		\$ 100,000	
032000121	City of Latexo NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Houston	1203020107	03000328, 03000328	Regulatory and Guidance	1.0		Latexo	00000128, 00000128		\$ 100,000	
032000122	City of Leona NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Leon	1203020202	03000380, 03000380	Regulatory and Guidance	1.9		Leona	00000132, 00000132		\$ 100,000	
032000123	City of Midway NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Madison	1203020205, 1203020206	03000401, 03000401, 03000405	Regulatory and Guidance	1.2		Midway	00000055, 00000055		\$ 100,000	
032000124	City of Mustang NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Navarro	1203010804	03000292, 03000292	Regulatory and Guidance	0.1		Mustang	03000163, 03000163		\$ 100,000	
032000125	City of Nevada NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Collin	1203010603, 1203010604	03000225, 03000225, 03000226	Regulatory and Guidance	1.7		Nevada	00000207, 00000207		\$ 100,000	
032000126	Oak Grove NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Kaufman	1203010701	03000247, 03000247, 03000248	Regulatory and Guidance	1.9		Oak Grove	00000108, 00000108		\$ 100,000	
032000127	Oak Valley NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Navarro	1203010802	03000283, 03000283	Regulatory and Guidance	2.0		Oak Valley	03000163, 03000163		\$ 100,000	
032000128	City of Penelope NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Hill	1203010801	03000273, 03000273	Regulatory and Guidance	1.0		Penelope	00000161, 00000161		\$ 100,000	
032000129	Post Oak Bend NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Kaufman	1203010701	03000245, 03000245, 03000246	Regulatory and Guidance	2.0		Post Oak Bend	00000108, 00000108		\$ 100,000	
032000130	Providence Village NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Denton	1203010307, 1203010309	03000131, 03000131, 03000133, 03000140	Regulatory and Guidance	2.0		Providence Village	03000208, 03000208		\$ 100,000	
032000131	Town of Road Runner NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Cooke	1203010304	03000112, 03000112	Regulatory and Guidance	0.6		Town of Road Runner	00000189, 00000189		\$ 100,000	
032000132	City of Rosser NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Kaufman	1203010504	03000197, 03000197, 03000198, 03000200	Regulatory and Guidance	1.9		Rosser	00000108, 00000108		\$ 100,000	
032000133	City of Tehuacana NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Limestone	1203010803, 1203020101	03000286, 03000286, 03000331	Regulatory and Guidance	1.5		Tehuacana	00000137, 00000137		\$ 100,000	

Region 3 - Table 14: Potentially Feasible Flood Management Strategies Identified by RFPG (cont.)

FMS ID (cont.)	FMS Name2	Flood Risk										Reduction in Flood Risk																
		Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Habitable structures removed from 100yr (1% annual chance) Flood risk	Estimated Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Cost/ Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
032000097	Dallas County Open Space System Program and Dallas Trails Program			20906	15150	405925	0	1785		687	27584.4														Yes	No	No	No
032000098	Parker County Nature-Based Practices for Flood Control			1163	389	3365	0	64		39	13597.6														Yes	No	No	No
032000099	Krugerville waterways stabilization program			0	0	0	0	2		0	0.2														No	No	No	No
032000100	City of Euless Stream Bank Protection Program			212	176	3783	0	35		7	70.7														No	No	No	No
032000101	Lewisville Storm Water Utility Fee			363	163	4586	0	31		21	837.2														No	No	No	No
032000102	City of Retreat NFIP Floodplain Ordinance			1	0	2	0	0		0	100.0														No	No	No	No
032000103	City of Streetman NFIP Floodplain Ordinance			6	1	3	0	5		1	18.8														No	No	No	No
032000104	City of Alma NFIP Floodplain Ordinance			1	0	2	0	0		0	200.6														No	No	No	No
032000105	City of Alvord NFIP Floodplain Ordinance																								No	No	No	No
032000106	City of Angus NFIP Floodplain Ordinance			7	3	23	0	0		1	42.0														No	No	No	No
032000107	City of Bedia NFIP Floodplain Ordinance			4	3	3	0	0		0	5.6														No	No	No	No
032000108	City of Bynum NFIP Floodplain Ordinance																								No	No	No	No
032000109	Carl's Corner NFIP Floodplain Ordinance			0	0	0	0	0		0	0.2														No	No	No	No
032000110	City of Combine NFIP Floodplain Ordinance			166	132	432	0	0		3	501.1														No	No	No	No
032000111	Cayote Flats NFIP Floodplain Ordinance			0	0	0	0	0			0.5														No	No	No	No
032000112	City of Dorchester NFIP Floodplain Ordinance			0	0	0	0	0		0	7.0														No	No	No	No
032000113	Draper NFIP Floodplain Ordinance																								No	No	No	No
032000114	City of Emhouse NFIP Floodplain Ordinance																								No	No	No	No
032000115	City of Eureka NFIP Floodplain Ordinance			0	0	0	0	0		0	6.7														No	No	No	No
032000116	City of Goodlow NFIP Floodplain Ordinance			0	0	0	0	5		0	81.8														No	No	No	No
032000117	Grays Prairie NFIP Floodplain Ordinance			1	0	0	0	0			7.9														No	No	No	No
032000118	City of Hebron NFIP Floodplain Ordinance			0	0	0	0	0		0	0.2														No	No	No	No
032000119	City of Iola NFIP Floodplain Ordinance			0	0	0	0	0			18.1														No	No	No	No
032000120	City of Kirvin NFIP Floodplain Ordinance																								No	No	No	No
032000121	City of Latexo NFIP Floodplain Ordinance			0	0	0	0	0		0	4.9														No	No	No	No
032000122	City of Leona NFIP Floodplain Ordinance			9	0	3	0	0		0	79.3														No	No	No	No
032000123	City of Midway NFIP Floodplain Ordinance			0	0	0	0	0			2.3														No	No	No	No
032000124	City of Mustang NFIP Floodplain Ordinance			0	0	0	0	0			1.4														No	No	No	No
032000125	City of Nevada NFIP Floodplain Ordinance			0	0	0	0	0			19.3														No	No	No	No
032000126	Oak Grove NFIP Floodplain Ordinance			0	0	0	0	0		0	35.1														No	No	No	No
032000127	Oak Valley NFIP Floodplain Ordinance			3	3	6	0	0		0	35.3														No	No	No	No
032000128	City of Penelope NFIP Floodplain Ordinance			0	0	0	0	0			78.6														No	No	No	No
032000129	Post Oak Bend NFIP Floodplain Ordinance			0	0	0	0	0		0	7.3														No	No	No	No
032000130	Providence Village NFIP Floodplain Ordinance			5	5	7	0	0		0	20.1														No	No	No	No
032000131	Town of Road Runner NFIP Floodplain Ordinance			87	81	51	0	4		0	17.1														No	No	No	No
032000132	City of Rosser NFIP Floodplain Ordinance			4	2	1	0	0		0	67.5														No	No	No	No
032000133	City of Tehuacana NFIP Floodplain Ordinance																								No	No	No	No

Region 3 - Table 14: Potentially Feasible Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost (\$)	Potential Funding Sources and Amount
032000134	City of Dallas Buyout of Repetitive Loss Properties	Develop a buyout program for repetitive loss properties within the city.		Dallas	1203010206,1203010207,1203010310,1203010501,1203010502,1203010604,1203010605	03000162,03000162	Property Acquisition and Structural Elevation	383.3		Dallas	00000108,00000108.0000175,00000175,0000207,03000208,03000225		\$ 5,000,000	
032000135	City of Fort Worth HROM Program	Implement a Hazardous Roadway Overtopping Mitigation (HROM) Program to prioritize hazardous roadway overtopping and identify acceptable, affordable, and effective solutions for construction to maximize impact of available funding and reduce risks.		Tarrant	1203010106,1203010201,1203010202,1203010203,1203010204,1203010205,1203010206,1203010207,1203010403	03000162,03000162	Infrastructure Projects	343.9		Fort Worth	00000104,00000104.0000122,03000208,03000209,03000224,03000225		\$ 35,000,000	
032000136	City of Lindsay Flood Monitoring System	Install flood monitoring equipment throughout the City of Lindsay.		Cooke	1203010301,1203010304	03000102,03000102,03000111	Flood Measurement and Warning	2.2		Lindsay	00000189,00000189		\$ 250,000	
032000137	Mobile City NFIP Floodplain Ordinance	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards		Rockwall	1203010604	03000226,03000226	Regulatory and Guidance	0.0		Mobile City	00000175,00000175		\$ 100,000	
032000138	City of Fort Worth Open Space Conservation	Develop an open space acquisition program.		Tarrant			Property Acquisition and Structural Elevation	343.9		Fort Worth			\$ 30,000,000	
032000139	City of Burleson Flood Warning and Safety Improvements	Safety improvements at SE Tarrant Ave, N Warren St, SW Johnson Ave, and SE Newton Dr. Safety improvements may include, but are not limited to, high-water warning flashers, staff gauges, flood hazard signs, and additional light fixtures.		Johnson			Flood Measurement and Warning	10.5		City of Burleson			\$ 500,000	
032000140	City of Grand Prairie CIP Program			Dallas			Infrastructure Projects			City of Grand Prairie				
032000141	City of Hurst Drainage Improvements			Tarrant			Infrastructure Projects			City of Hurst				
032000142	City of Garland Drainage Improvements			Dallas			Infrastructure Projects			City of Garland				



A hand is shown from the palm side, holding a variety of white, hand-drawn digital icons. These icons include a camera, a lightbulb, an '@' symbol, a question mark, a location pin, a clock, a padlock, a house, an envelope, a smartphone, a magnifying glass, a gear, a handshake, and a laptop. The background is a soft, out-of-focus blue and white bokeh.

# **Technical Subcommittee Activity**



## Technical Subcommittee Meeting #2 – March 15, 2022

### Decision-making

- Guidance provided to TC for Recommendation (Y/N)

### Selection Philosophy

- Select only RFPG priority FMXs
- Include all eligible FMXs

### Local Sponsor

- Verify an entity's willingness to sponsor FMX
- "Assign" Sponsors, option to decline later

### Additions

- New FMEs
- New FMSs



## Technical Subcommittee Meeting #2 – Topics

TWDB Requirements

Sources

FMX Categories

Geographical Distribution & Flood Risk Indicators

Assessment Examples



## Technical Subcommittee Meeting #2 – Guidance

Recommend all eligible  
FMXs

No need to confirm  
Sponsor support for all  
FMXs

Willing to accept  
Level of Service  
< 100-yr

Willing to accept  
Benefit/Cost Ratio < 1

# Technical Subcommittee Meeting #3 - April 13, 2022

## Region 3 - Potential FME

FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for NOT Recommending Action	Meeting Notes
031000001	Archer County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Archer	Watershed Planning - Flood Mapping Updates	Archer County	Y		Keep in Region 3 Plan even if they only have a small portion in the Region. Based on a assumption that Region 3 is recommending
031000002	Anderson County FEMA Mapping	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Anderson	Watershed Planning - Flood Mapping Updates	Anderson County	Y		Considers smaller projects for updating FEMA Maps via LOMR and such? Not always by a full FIRM update? Make sure that we are not
031000053	City of Richardson DMP	Evaluate City and identify future projects.	Dallas	Watershed Planning - Drainage Master Plan	Richardson	N	City split their projects within watersheds. No need for a DMP. (Hamilton Dallagasperina)	
031000054	City of Cockrell Hill DMP	Evaluate City and identify future projects.	Dallas	Watershed Planning - Drainage Master Plan	Cockrell Hill	Y		
031000067	City of Mansfield DMP	Evaluate City and identify future projects.	Tarrant	Watershed Planning - Drainage Master Plan	Mansfield	N	Replaced with specific FMEs (Bart Vanamburgh, Howard Refearn, Raymond Coffman, Trace Hilton)	
031000094	Dallas County DMP and Vulnerability Assessment	Evaluate County to identify future projects. Risk and vulnerability assessment to determine the number of people, property and infrastructure exposed to flooding.	Dallas	Watershed Planning - Drainage Master Plan	Dallas County	N	Sponsor is doing a portion of this FME with Cat 1 FIF Study. Do not recommend.	Sponsor is doing a portion of this FME with Cat 1 FIF Study. Do not recommend.
031000270	Sulphur Branch Culvert Improvements	Evaluate and define necessary culvert improvements: Circle Lane and Bedford Road	Tarrant	Engineering Project Planning	City of Bedford	Y		
031000271	Sulphur Branch: Bedford Road Culvert Improvements	Evaluate and define necessary culvert improvements.	Tarrant	Engineering Project Planning	City of Bedford	N	Merge Sulphur Branch FMEs into one FME (031000270)	
031000296	Alta Mesa Branch at Persimmon Road	Evaluate bridge improvements for Persimmon Road over Alta Mesa Branch	Dallas	Engineering Project Planning	Dallas	YI?		
031000297	Alta Mesa Branch at Simpson Stuart Road	Evaluate culvert improvements for Simpson Stuart Road over Alta Mesa Branch	Dallas	Engineering Project Planning	Dallas	YI?		

# Reasons for Not Recommending FME

Region 3 - Potential FME								
FME ID	FME Name	Description	Counties	Study Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for NOT Recommending Action	Meeting Notes
031000053	City of Richardson DMP	Evaluate City and identify future projects.	Dallas	Watershed Planning - Drainage Master Plan	Richardson	N	City split their projects within watersheds. No need for a DMP. (Hamilton Dallagasperina)	
031000067	City of Mansfield DMP	Evaluate City and identify future projects.	Tarrant	Watershed Planning - Drainage Master Plan	Mansfield	N	Replaced with specific FMEs (Bart Vanamburgh, Howard Refearn, Raymond Coffman, Trace Hilton)	
031000094	Dallas County DMP and Vulnerability Assessment	Evaluate County to identify future projects. Risk and vulnerability assessment to determine the number of people, property and infrastructure exposed to flooding.	Dallas	Watershed Planning - Drainage Master Plan	Dallas County	N	Sponsor is doing a portion of this FME with Cat 1 FIF Study. Do not recommend.	Sponsor is doing a portion of this FME with Cat 1 FIF Study. Do not recommend.
031000096	Richardson West Fork Cottonwood Creek Watershed Study	Richardson West Fork Cottonwood Creek Watershed Study	Dallas, Collin	Watershed Planning - H&H Modeling	Richardson	N	Sponsor is not interested (Hamilton Dallagasperina)	
031000121	Rhonda Rosa Lane Bridge	Construct bridge on Rhonda Rosa Lane in Ranches on Turtle Bayou to replace box culverts.	Chambers	Engineering Project Planning	Chambers County	N	Sponsor is not interested (Brad Wilber)	
031000124	McMillen Rd Bridge Lift Project (Maxwell Creek)	Flood study to determine parameters to raise bridge at McMillen Rd to reduce flooding.	Collin	Engineering Project Planning	Wylie	N	Sponsor is not interested (Tim Porter)	
031000156	"Aqueduct" Drainage System Replacement	Replace current drainage system known as the "Aqueduct" in the city. Includes creating underground drainage along North Main St.	Parker	Engineering Project Planning	Hudson Oaks	N	Sponsor is not interested (Sterling Naron)	
031000166	Aton Storm Drain System Updates	Improve drainage capabilities on the Aton Storm drain system.	Tarrant	Engineering Project Planning	Westworth Village	N	Project already completed (Cody Cooke-Morse)	
031000266	Tributary SB-1: Shirley Way Culvert Improvements	Evaluate and define necessary culvert improvements.	Tarrant	Engineering Project Planning	City of Bedford	N	Merge SB-1 FMEs into one FME (031000265)	
031000267	Tributary SB-1: Briar Drive Culvert Improvements	Evaluate and define necessary culvert improvements.	Tarrant	Engineering Project Planning	City of Bedford	N	Merge SB-1 FMEs into one FME (031000265)	
031000268	Tributary SB-1: Schumac Lane Culvert Improvements	Evaluate and define necessary culvert improvements.	Tarrant	Engineering Project Planning	City of Bedford	N	Merge SB-1 FMEs into one FME (031000265)	
031000269	Tributary SB-1: Donna Lane Culvert Improvements	Evaluate and define necessary culvert improvements.	Tarrant	Engineering Project Planning	City of Bedford	N	Merge SB-1 FMEs into one FME (031000265)	
031000271	Sulphur Branch: Bedford Road Culvert Improvements	Evaluate and define necessary culvert improvements.	Tarrant	Engineering Project Planning	City of Bedford	N	Merge Sulphur Branch FMEs into one FME (031000270)	

# Reasons for Not Recommending FMS

## Region 3 - Potential FMS

FMS ID	FMS Name	Description	Counties	Project Type	Sponsor	Subcommittee Recommendation (Y/N)	Reason for NOT Recommending Action	Meeting Notes
032000021	Bynum Stormwater Management Policy Updates	Update storm water management policies. Require approved site control plans and storm water runoff plans before long-duration construction projects are permitted to begin.	Hill	Regulatory and Guidance	Bynum	N	Stormwater quality	Do not recommend MS4 type FMS
032000032	Wise County Storm Water Management Plan	Create a Storm water Management Plan	Wise	Regulatory and Guidance	Wise County, Alvord	N	Water quality plan	
032000040	Itasca Land Use Planning Mechanisms	Implement strategic land-use planning mechanisms to ensure flood-resistant development occurs in flood-prone areas	Hill	Regulatory and Guidance	Itasca	N	Combined with FMS 032000037	
032000049	Rowlett Creek Tributary Maintenance Program	Routine channel maintenance and erosion control for Rowlett Creek Tributary (Stream 2D13). Keep creek and inlets clear of debris and overgrown vegetation.	Collin, Dallas	Other	Sachse	N	Same as FMS 032000044	
032000076	Cooke County Public Information and Education	"Turn Around Don't Drown" campaign.	Cooke	Education and Outreach	Lindsay	N	Merged w FMS 77	
032000083	Grayson County Flood Safety Education	Turn Around Don't Drown campaign. Educate property owners near high hazard dams of the potential of a dam failure. Better inform residents of mitigation activities that they can implement in their homes.	Grayson	Education and Outreach	Grayson County	N	Merged w FMS 82	
032000086	Houston County Public Education on Dam Education	Educate the Public on mitigation activities that can help protect their properties in the event of structural failures and extreme flooding	Houston	Education and Outreach	Houston County	N	Merged w FMS 85	

# Evaluation of FMPs

## Region 3 - Potential FMPs

								Subcommittee Agrees/Disagrees		
FMP ID	FMP Name	Description	Counties	Project Type	Sponsor	Technical Consultant Recommendation (Y/N)	Reason for <u>NOT</u> Recommending Action	Agree	Disagree	Meeting Notes
033000007	Spring Meadows Estates Detention Pond Design	Pond redesign and reconstruction to lower normal pool elevation to be below inlets upstream. Increase storage capacity and design outlet works to increase level of service to 100-yr storm event.	Dallas	Regional Detention	Sachse	Y/?				
033000016	Arlington VC(A)-1 Drainage and Erosion Improvements	Arlington VC(A)-1 Drainage and Erosion Improvements; unfunded FIF #13646	Tarrant	Infrastructure (channels, ditches, ponds, pipes, etc.)	Arlington	Y/?				
033000033	Sunnyvale Culvert Improvements	Proposed alternatives to reduce roadway overtopping include culvert improvements, raising roadway elevations, and some minor channel grading to accommodate new culvert sizes.	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	Sunnyvale	Y/?				
033000034	Sunnyvale Open Channel Improvements	Proposed improvements include increasing storm drain capacity, culvert sizes, and channel and ditch grading to reduce flooding potential in each area.	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	Sunnyvale	Y/?				

# Evaluation of FMPs – Flood Risk Indicators

## Region 3 - Potential FMPs

FMP ID	FMP Name	Description	Counties	Project Type	Sponsor	Flood Risk Indicators									
						Area (sq.mi) in 100yr (1% annual chance) Floodplain	Area (sq.mi) in 500yr (0.2% annual chance) Floodpl	Estimated structures at 100yr flood risk (#)	Residential structures at 100yr flood risk (#)	Estimated Population at 100-year flood risk	Critical facilities at 100yr flood risk (#)	Low water crossings at flood risk (#)	Estimated road closures (#)	Estimated length of roads at 100yr flood risk (Miles)	Estimated farm & ranch land at 100yr flood risk (acre)
033000007	Spring Meadows Estates Detention Pond Design	Pond redesign and reconstruction to lower normal pool elevation to be below inlets upstream. Increase storage capacity and design outlet works to increase level of service to 100-yr storm event.	Dallas	Regional Detention	Sachse	0.01	N/A	9	9	18	0	0	N/A	0.34	0
033000016	Arlington VC(A)-1 Drainage and Erosion Improvements	Arlington VC(A)-1 Drainage and Erosion Improvements; unfunded FIF #13646	Tarrant	Infrastructure (channels, ditches, ponds, pipes, etc.)	Arlington	0.01		9	9	18	0	3	2	0.06	
033000033	Sunnyvale Culvert Improvements	Proposed alternatives to reduce roadway overtopping include culvert improvements, raising roadway elevations, and some minor channel grading to accommodate new culvert sizes.	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	Sunnyvale	0.46		11	8	31	0	1	11	0.34	
033000034	Sunnyvale Open Channel Improvements	Proposed improvements include increasing storm drain capacity, culvert sizes, and channel and ditch grading to reduce flooding potential in each area.	Dallas	Infrastructure (channels, ditches, ponds, pipes, etc.)	Sunnyvale	0.08		54	45	948	1	0	36	2.67	

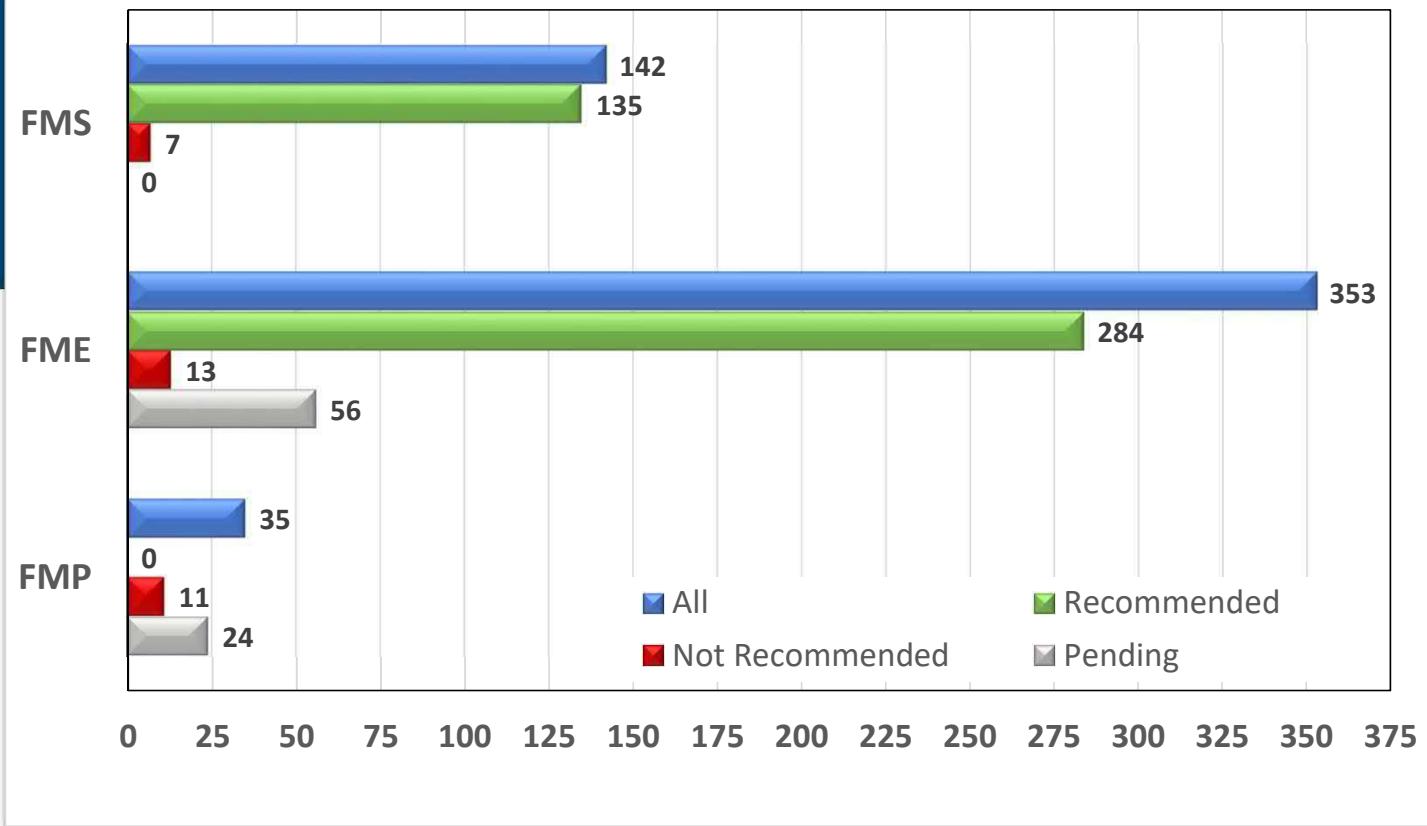
# Evaluation of FMPs – Reduction Factors

Region 3 - Table 13: Potentially Feasible Flood Mitigation Projects Identified by RFPG

Reduction in Flood Risk													
FMP ID (cont.)	FMP Name	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)
33000007	Spring Meadows Estates Detention Pond Design	9	9	N/A	9	18	0	0	N/A	0.3449	0		
033000016	Arlington VC(A)-1 Drainage and Erosion Improvements	3	5	N/A	5	11	0	0	1	0.0513	0		
033000030	Lancaster/Foch Area Mitigation	114	25	N/A	3	1026	0	0	N/A	0.87	0		
033000031	Linwood Park Flood Mitigation	142	366	N/A	328	1775	3	1	N/A	6.46	0		
033000033	Sunnyvale Culvert Improvements	1	1	N/A	1	2	0	1	N/A	0.25	0		

# Recommendations Summary

*Graphic reflects ALL FMXs as of Apr/15/2022.*



*Reasons to Not Recommend an FMX: no sponsor support, action was combined or replaced with another action, action did not include required information, etc.*

**Consider Vote for Adopting Technical  
Subcommittee Recommendations**

A hand is shown from the palm side, holding a variety of white, hand-drawn digital icons. These icons include a camera, a lightbulb, an envelope, a question mark, a clock, a location pin, a smartphone, a document with a pencil, a magnifying glass, a gear, a speech bubble, and a network of dots. The background is a soft, out-of-focus blue and white. The text 'Emergency Needs Definition' is overlaid on the hand in a bold, dark blue font, with a vertical line to its left.

# **Emergency Needs Definition**

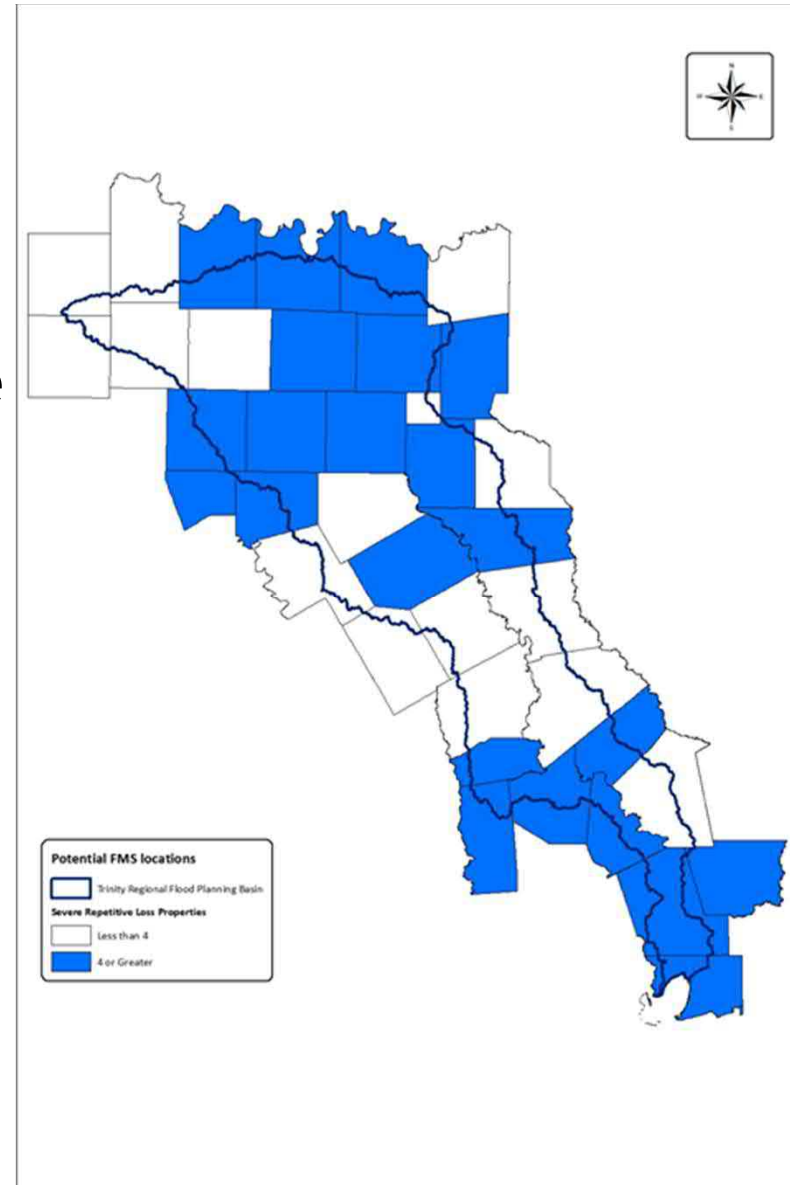


# Emergency Need

- Areas that have a history of severe repetitive loss
- Areas with critical structures within the 1% annual chance flood area

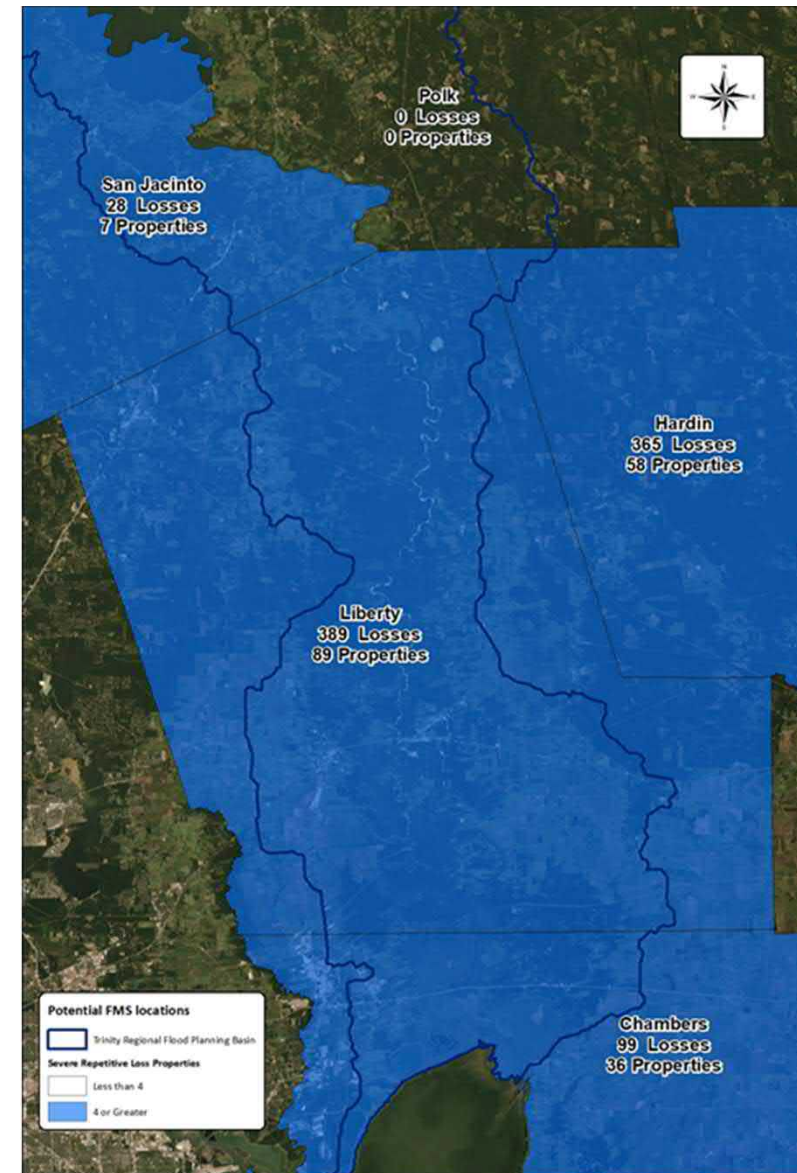
# Severe Repetitive Loss

- 4 or more claims payments have been made
- Each claim exceeding \$5,000
- Cumulative claim payments exceeding \$20,000



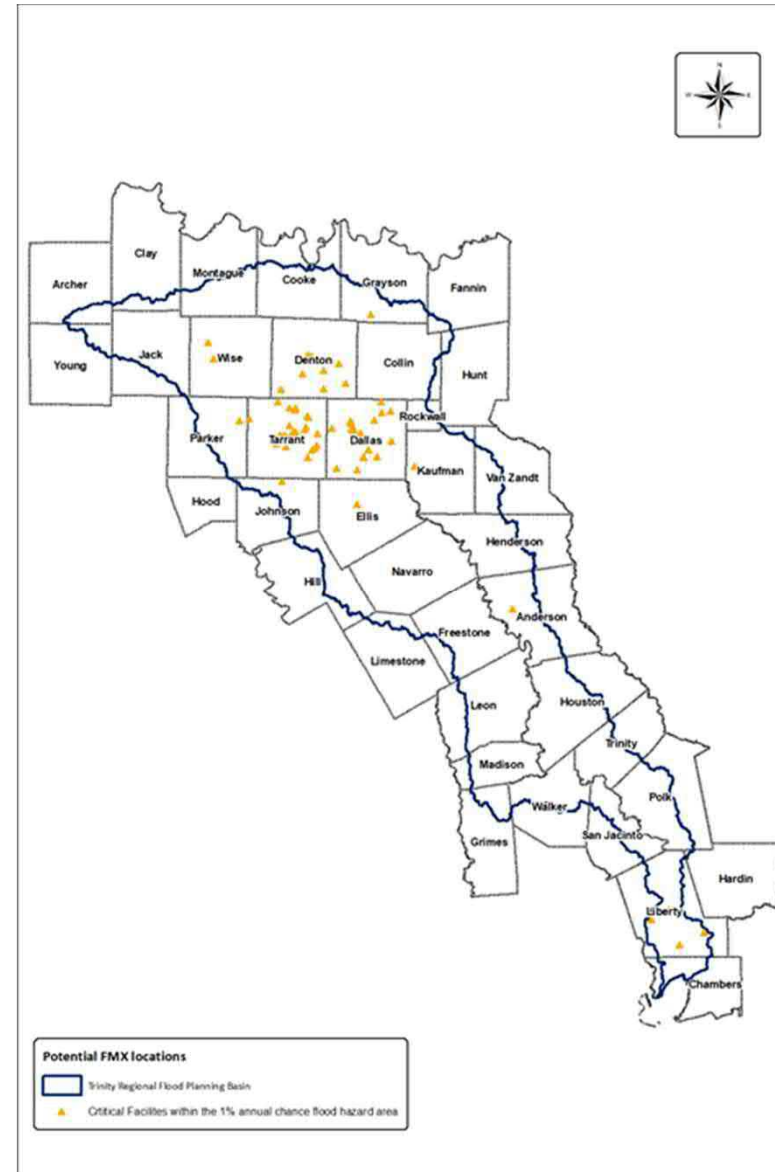
# Severe Repetitive Loss

- Acquisition/demolition/elevation



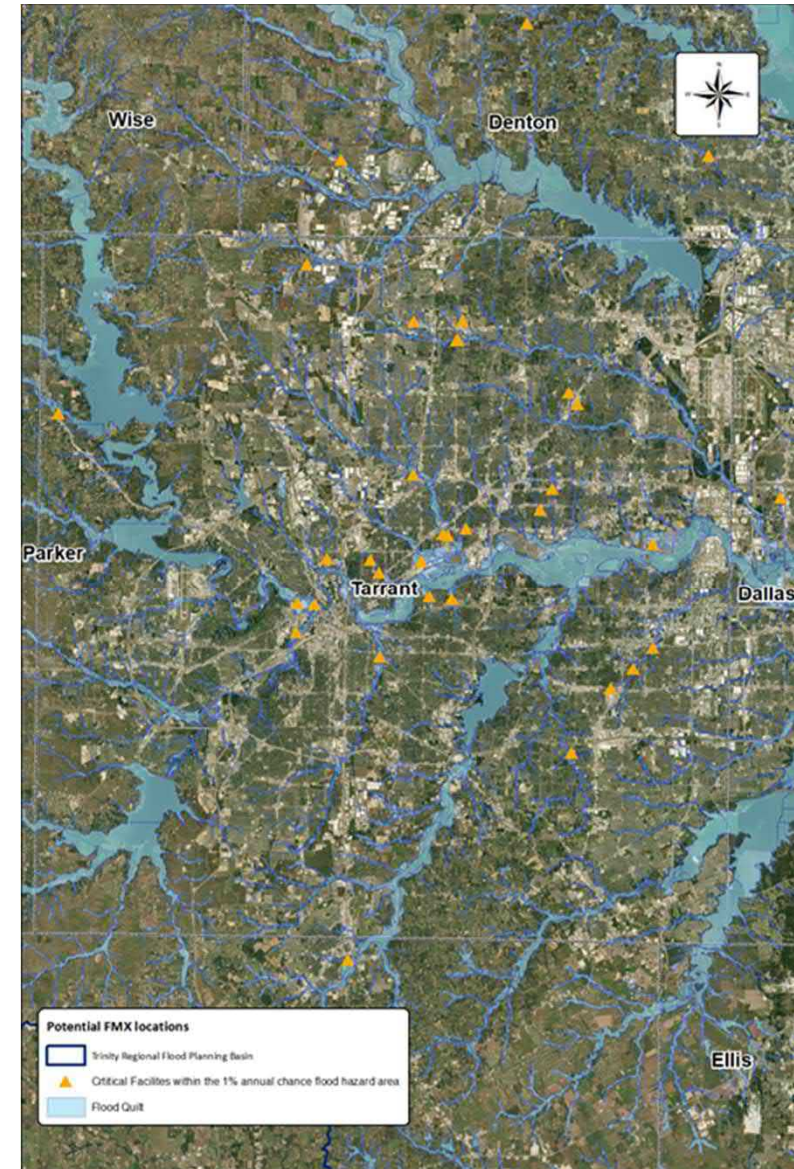
# Critical Facilities within the 1% annual chance flood area

- Emergency Shelters
- Fire Stations
- Hospitals
- Schools



# Critical Facilities within the 1% annual chance flood area

- Acquisition/demolition/elevation
- Infrastructure improvements
- Floodproofing/retrofitting





# Additional Metrics Considered

- High Hazard dams/ infrastructure conditions
- Disaster Declarations
- Loss of Life

An underwater photograph showing a wave cresting just below the surface. The water is a deep, dark blue, and the light from above creates a shimmering effect on the wave's surface. The overall mood is serene yet powerful.

# Ch. 7 Flood Response Information and Activities



# Chapter 7

- Actions and Preparations
- Relevant Entities
- Plans and Regulations

The background of the slide is an underwater photograph. It shows a dark, deep blue water surface with gentle ripples and waves. Below the surface, a bright, sandy ocean floor is visible, creating a strong contrast with the dark water above. The overall mood is serene and mysterious.

# Ch. 8 Administrative, Regulatory & Legislative Discussion

**Table 8.1 - Legislative Recommendations**

ID	Specific Recommendation Statements	Reason for Recommendation
8.1.1	Extend Local Government Code, Title 13, Subtitle A, Chapter 552 to allow counties the opportunity to establish and collect drainage utilities/fees in the unincorporated areas.	Counties have floodplain- and drainage-related responsibilities in the State of Texas. Currently, counties do not have the ability to establish and collect stormwater utility fees, thus limiting their ability to fund stormwater or drainage projects, despite having the responsibility to do so
8.1.2	Develop and allocate State funding to assist owners of privately-owned dams with the costs associated in repairing, maintaining, and upgrading dam structures.	A number of privately-owned dams that were originally constructed in rural areas now surrounded by developments. Therefore, the potential impact of flood damages resulting from dam failure has increased significantly. Often, the cost of maintenance is far too high for a private entity to take on.
8.1.3	Provide for alternative revenue generating sources of funding.	Flood mitigation studies/projects do not generate revenue, which makes them more challenging to fund at the local level.
8.1.4	Provide funding and/or technical assistance to develop floodplain maps.	Several entities who have outdated maps or no mapping at all are not able to fund the projects
8.1.5	Establish a levee safety program similar to the dam safety program.	Levees are often constructed with protecting a specific commodity in mind; however, they do not have a safety program like dams do, despite posing a similar flood risk.
8.1.6	Adopt state mandatory building code requirements (2015 or 2018 versions of International Building Code and International Residential Code).	Without a state mandatory building code requirement, Texas does not qualify for some federal funding programs such as FEMA's Building Resilient Infrastructure and Communities (BRIC) Grant.
8.1.7	Provide additional grant funding to the RFPGs to enable them to continue to function during the interim between planning cycles	In the interim of the planning cycles, not only could RFPGs continue adding FMEs, FMPs, and/or FMSs to the Regional Flood Plan, but they could also implement RFPG-sponsored flood management activities, outreach, and stay informed on regional flood-related occurrences.

**Table 8.2 - Regulatory and Administrative Recommendations**


ID	Specific Recommendation Statements	Reason for Recommendation
8.2.1	Revise TxDOT design criteria to require all new TxDOT roadways to be elevated above the 1% ACE water surface elevation.	TxDOT continues to maintain its position that floodplains do not exist in TxDOT rights-of-way (ROW). Floodplain maps and storm events have proven otherwise. TxDOT should acknowledge that floodplains do exist within TxDOT rights-of-way and account for floodplains and flood risk in its design criteria.
8.2.2	Revise the scoring criteria for funding associated with stormwater and flood-related projects that benefit agricultural activities.	The traditional benefit-cost analysis tools prevent agricultural projects from competing with municipal benefit-cost ratios.
8.2.3	Remove barriers that prevent jurisdictions from working together to provide regional flood mitigation solutions. Provide for regional detention across jurisdictional boundaries.	Flooding does not recognize jurisdictional boundaries. Providing measures that encourage and allow jurisdictions to work together towards common flood mitigation goals without concern for legislative interference would be beneficial to all involved.
8.2.4	Expand eligibility for and use of funding for stormwater and flood mitigation solutions (Local, State, Federal, Public/Private Partnerships, etc.)	Flood mitigation studies/projects do not generate revenue, which makes them more challenging to fund at the local level.
8.2.5	Provide technical assistance to smaller jurisdictions for the preparation of funding applications or make the application process easier.	Current funding opportunities require significant time and resources to prepare a project for consideration, as well as the application itself. Even phased applications can be challenging for jurisdictions with limited resources. Smaller jurisdictions typically have fewer resources to put together detailed projects or funding applications. Thus, smaller jurisdictions typically do not apply for current funding opportunities, despite having need.
8.2.6	Simplify all funding application processes.	Current funding opportunities require significant time and resources to prepare a project for consideration, as well as the application itself.
8.2.7	Educate county officials regarding the county's ability/authorization to establish and enforce higher development standards.	County officials are often unaware of their authority to establish and enforce stormwater regulations.
8.2.8	Develop a publicly available, statewide database and tracking system to document flood-related fatalities.	In order to more accurately address the health, safety, and welfare of the public, high flood-risk areas that result in fatalities should be tracked and reported. Doing so would increase awareness of the area, both so the public could be cognizant of the risks, and so elected officials and decision-makers could institute solutions to reduce the risk in those areas.
8.2.9	Address the concern of "takings" with regards to floodplain development regulations, comprehensive plans, land use regulations and zoning ordinances.	Jurisdictions should be allowed to regulate development in a responsible manner that reduces future flood risk exposure without the fear of legal action by property owners.

**Table 8.3 - State Flood Planning Recommendations**

ID	Specific Recommendation Statements	Reason for Recommendation
8.3.1	Use consistent HUC reporting requirements throughout the TWDB-required tables.	The RFPG Guidance requires HUC-8 in some tables, HUC-10 in other tables, HUC-12 in yet other tables. Some tables require multiple HUCs to be provided. The RFPG recommends that the TWDB require HUC-8 in all TWDB-required tables for consistency and to correspond to FEMA's base level watershed planning granularity.
8.3.2	Use FEMA's Social Vulnerability Index (SVI) instead of the CDC SVI in future planning cycles. SVI should not be the primary component considered when allocating funding.	FEMA's SVI is reasoned to be more relevant to flood resiliency and risk than the CDC's SVI.
8.3.3	Include the reimbursement of costs for audio and visual (A/V) equipment expenses required to support hybrid and/or virtual meetings for the Regional Flood Planning Group Grants	Many RFPGs have had to rent or purchase A/V equipment in order to uphold the Texas Open Meetings Act (TOMA) guidelines while supporting hybrid meetings. Given the area spanned by the regions and today's technology, RFPG members prefer to offer hybrid meetings to reduce travel time and to increase the opportunity for public participation in the regional flood planning process. Expenses accrued to maintain TOMA standards – set in place by the State – should not become the Regional Sponsor's responsibility.
8.3.4	Clarify the phrase "flood-related authorities or entities", who that includes, and what that entails.	The phrase is used in the TWDB planning documents multiple times and is a central part of Tasks 1 and 10. TWDB originally provided the RFPG with a list of entities that were thought to have flood-related responsibilities. During our outreach efforts, many of those entities informed the Trinity Region that they did not have flood responsibilities and did not believe they should be part of the flood planning effort. Therefore, the Trinity Region removed these entities from the plan. Clarification is requested regarding the intent of this phrase.
8.3.5	Streamline the data collection requirements, specifically those identified in Task 1. Focus on collecting the data that was most useful to the regional flood plan development.	This first round of planning proved that very few entities have the data requested as part of the Flood Planning process readily available in a GIS format. Of those entities who did have GIS data, most were unable to share that information. Furthermore, some of this data was not used or was used minimally to develop potentially feasible and recommended FMEs, FMPs and FMSs.
8.3.6	Update the scope of work, guidance documents, rules, checklists, etc. based on the adjustments made to these planning documents during the first cycle of planning.	During the first cycle of the State Flood Plan, multiple amendments and additions to the TWDB documents and the TWDB's interpretation of its documents occurred. Moving forward, the TWDB documents provided at the onset of each new planning cycle should reflect what is ultimately required of the RFPGs.
8.3.7	Host "lessons learned" discussions with RFPG members, sponsors and technical consultants	Review discussion will streamline and improve future regional flood planning cycles.

**Table 8.3 - State Flood Planning Recommendations (Continued)**

ID	Specific Recommendation Statements	Reason for Recommendation
8.3.8	Reduce the barriers that prevent potentially feasible flood mitigation projects (FMP) from being included as recommended FMPs.	Certain FMPs were required to be submitted as FMEs or FMSs due to a lack of specific data, such as projected budget or benefit-cost ratio despite having sufficient data to produce a project. In these instances, TWDB recommended leaving the cells blank in the TWDB-required tables, which would calculate that blank cell as a zero and ultimately result in lower scoring. The data requested for FMPs is more detailed than what one would expect for a regional flood plan.
8.3.9	Develop an amendment process similar to the Regional Water Planning Process to efficiently amend their approved regional flood plans to incorporate additional recommended FMEs, FMPs and FMSs. Include language to allow the RFPG to advance the recommended FMEs to FMPs based on the results provided at the conclusion of an FME.	Amending the Regional Flood Plan, as seen with the Technical Memorandum Addendum, can be an extensive process. Amendments to move FMEs to FMPs and incorporate new flood management solutions should have a quicker turn-around time in order to efficiently include them in the Regional Flood Plan. Recommend utilizing the Regional Water Planning Process amendment process as a go-by.
8.3.10	Provide applicable data sources and a methodology to determine infrastructure functionality and deficiencies in the next cycle of the Flood Planning Process. Consider the lack of readily available local data when developing the methodology.	Most entities do not have information regarding the functionality and deficiency of their infrastructure. Some fields required by the TWDB-required tables in the Regional Flood Plans are based on data that is not available to entities without extensive field work.
8.3.11	Implement an invoice review and advancement request process that provides for timely reimbursements.	Several regions experienced extensive delays in their billing cycles which should not be allowed to continue. Invoices that remain unpaid for 3 or more months is not considered acceptable by the industry.



# Chapter 8 - Overview

- Divided into 4 subcategories
  - Legislative Recommendations
  - Regulatory or Administrative Recommendations
  - Flood Planning Recommendations
  - Funding Recommendations
- Gathered from
  - Discussions in RFPG and Technical Subcommittee meetings
  - Experience of the RFPG
  - Experience of the Consultant Team
- Please reference hand-out provided in meeting materials. PowerPoint displays recommendation summaries.

# Chapter 8 – 8.1. Legislative Recommendations

ID	Recommendation	Reasoning
8.1.1	Allow counties to establish/collect drainage fees in unincorporated areas.	Currently, counties cannot create or use stormwater utility fees despite having drainage responsibilities, thus limiting their ability to fund stormwater or drainage projects.
8.1.2	Develop and allocate funding to assist owners of privately-owned dams with repairs, maintenance, and upgrades.	Some privately-owned dams originally constructed in rural areas are now surrounded by developments. Therefore, the dam hazard classification has increased significantly. Often, the cost of maintenance is far too high for a private entity to take on.
8.1.3	Provide for alternative, revenue-generating sources of funding.	Flood mitigation studies/projects do not generate revenue, which makes them more challenging to fund at the local level.
8.1.4	Provide funding and/or technical assistance to develop floodplain maps.	Several entities have outdated maps or no mapping at all are not able to fund such updates.
8.1.5	Establish a levee safety program similar to the dam safety program.	Levees do not have a safety program like dams, despite being a potential flood risk.
8.1.6	Adopt mandatory state building code requirements.	Without a state mandatory building code requirement, Texas does not qualify for some federal funding programs.
8.1.7	Provide additional funding to the RFPGs during the planning cycle interim.	RFPGs could continue adding FMXs to the RFP, implement RFPG-sponsored flood management activities, and provide outreach.

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## Chapter 8 – 8.2. Regulatory or Administrative Recommendations

ID	Recommendation	Reasoning
8.2.1	Require all TxDOT roadways to be elevated above the 1% ACE (100-year) water surface elevation.	TxDOT should acknowledge that floodplains exist within TxDOT rights-of-way and account for floodplains and flood risk in its design criteria.
8.2.2	Revise the scoring criteria for flood-related funding to benefit agricultural areas.	The traditional benefit-cost analysis tools prevent agricultural projects from competing with municipal benefit-cost ratios.
8.2.3	Remove barriers that prevent jurisdictions from collaborating to provide regional flood solutions.	Provide measures that encourage and allow jurisdictions to work together towards common flood mitigation goals.
8.2.4	Expand eligibility for and use of funding for stormwater and flood mitigation solutions	Flood mitigation studies/projects do not generate revenue, which makes them more challenging to fund at the local level.
8.2.5	Assist smaller jurisdictions in the preparation of funding applications or make the application process easier.	Funding opportunities require significant resources to prepare a project and application for consideration. Smaller jurisdictions typically do not have the resources required to apply for funding, despite having need.
8.2.6	Simplify all funding application processes.	Current funding opportunities require significant time and resources to prepare a project for consideration, as well as the application itself.
8.2.7	Educate counties regarding the ability to establish higher standards.	County officials are often unaware of their authority to establish and enforce stormwater regulations.
8.2.8	Develop a statewide database to document flood-related fatalities.	High flood-risk areas should be tracked and reported to increase awareness of the areas, both for public knowledge and for elected decision-makers.
8.2.9	Address the concern of “takings” with regards to regulations, plans, and zoning ordinances.	Jurisdictions should be allowed to responsibly regulate development to reduce future flood risk without fearing legal action by property owners.

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## Chapter 8 – 8.3. Flood Planning Recommendations

ID	Recommendation	Reasoning
8.3.1	Use consistent HUC sizes for populating the TWDB-required tables.	The TWDB should require HUC-8 in all TWDB-required tables for consistency and to correspond to FEMA's base level watershed planning granularity.
8.3.2	Use FEMA's Social Vulnerability Index (SVI) instead of the CDC SVI.	FEMA's SVI is more relevant to flood resiliency and risk than the CDC's SVI.
8.3.3	Include reimbursement for audio and visual (A/V) equipment expenses to support hybrid/virtual RFPG meetings.	Many RFPGs have rented or purchased A/V equipment to uphold the Texas Open Meetings Act (TOMA) guidelines in hybrid meetings. Expenses accrued due to State standards should be reimbursable.
8.3.4	Clarify the phrase "flood-related authorities or entities".	TWDB provided entities that stated they did not have flood responsibilities or want to participate in flood planning.
8.3.5	Streamline Task 1 data collection requirements.	Some of the GIS data requested was not used/used minimally to develop FMXs.
8.3.6	Update the planning documentation based on the first cycle's adjustments.	The TWDB documents provided at the onset of each new planning cycle should reflect the previous cycle's amendments.

## Chapter 8 – 8.3. Flood Planning Recommendations

ID	Recommendation	Reasoning
8.3.7	Host “lessons learned” discussions with RFPG members, sponsors and technical consultants.	Discussion will produce ideas to streamline and improve future regional flood planning cycles.
8.3.8	Reduce the barriers that prevent potentially feasible FMPs from being included as recommended FMPs.	The data requested for FMPs is more detailed than what should be required for a regional flood plan.
8.3.9	Develop an amendment process similar to the Regional Water Planning Process to efficiently amend regional flood plans.	The Regional Water Planning amendment process has been established and can be adjusted to accommodate regional flood plan amendment requests.
8.3.10	Provide guidance to determine infrastructure <u>functionality</u> and deficiencies, as well as restoration guidance.	Most entities do not have information regarding the functionality and deficiency of their infrastructure. Some fields in the TWDB-required tables are not readily available from entities.
8.3.11	Implement an invoice review and advancement request process at TWDB that provides for timely reimbursements.	Several regions experienced extensive delays with their invoice reimbursement requests which should not be allowed to continue.

Start the presentation to see live content. For screen share software, share the entire screen. Get help at [pollev.com/app](https://pollev.com/app)



## Chapter 8 – 8.4. Funding Recommendations

- Funding recommendations included as part of Chapter 1
  - Data Collection responses included:

### Local Sources

- Utility fees
- Ad valorem taxes
- General fund

### Non-Local Sources

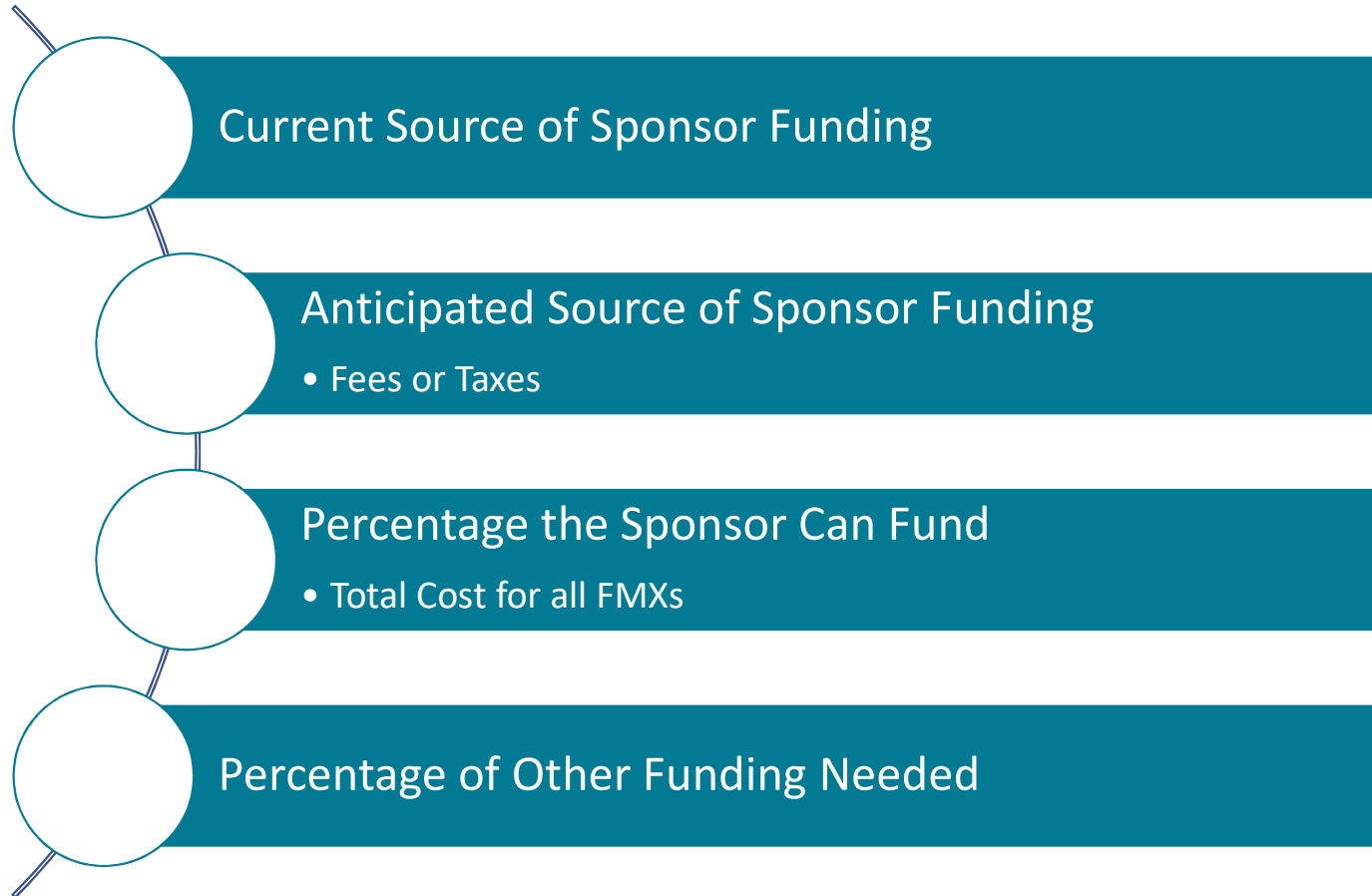
- Hazard Mitigation Grant Program (FEMA / TDEM)
- Pre-Disaster Mitigation (FEMA)
- Cooperating Technical Partner Funds (FEMA)
- Flood Planning Protection Grants (TWDB)
- USDA NRCS
- Flood Mitigation Assistance (FEMA)

- No additional funding sources were identified.

An underwater photograph showing a sunlit horizon line. The water is a deep, dark blue, and the light from the sun creates a bright, hazy glow at the surface, with some ripples visible. The overall mood is serene and somewhat mysterious.

# Ch. 9 Flood Infrastructure Financing Analysis

# Chapter 9 – Potential Sponsor Financing Survey



# Chapter 9 – Potential Sponsor Financing Table

Table 19: FMS, FMP, FME funding survey template format (with illustrative examples)

RFPG Number	Sponsor Entity Name	FMS or FMP or FME	FMS FMP FME - Name	Regional plan's unique FMS/FMP/FME identification number	Target year of full implementation	Estimated costs in plan			Estimated percent (share) of total FMS, FMP, or FME estimated cost			
						Non-construction costs	Construction-related costs	Total estimated cost	Sponsor Funding		Other Funding Needed (including state, federal and/ or other funding)	TOTAL (auto) sum must = 100%
									ANTICIPATED SOURCE of Sponsor funding (e.g., taxes; general revenue; dedicated revenue incl. fees)	FUNDING TO BE FINANCED BY SPONSOR (including local, county, or regional mechanisms available but not yet fully utilized)		
21	City of Howdy	FMP	Widen main downtown channel	2003	2028	\$3,484,000	\$8,129,000	\$11,613,000	stormwater fees	75%	25%	100%
21	Major River Authority	FMP	Levee improvements	3001	2030	\$37,544,000	\$212,754,000	\$250,298,000	fees	50%	50%	100%
21	James County	FME	Study southeast county flooding along Colorado River to identify solutions	4409	2024	\$722,000	\$0	\$722,000	taxes	50%	50%	100%
21	James County	FMS	Study to develop county-wide floodplain development policy	4409	2024	\$200,000	\$0	\$200,000	taxes	100%	0%	100%

These are minimum reporting requirements however, an RFPG may present more information gathered and/or utilized in the development of their plan. For example, this assessment could also include information about what existing funding mechanisms sponsors already have available or plan to implement to support the funding and implementation of recommended projects in the regional flood plan.

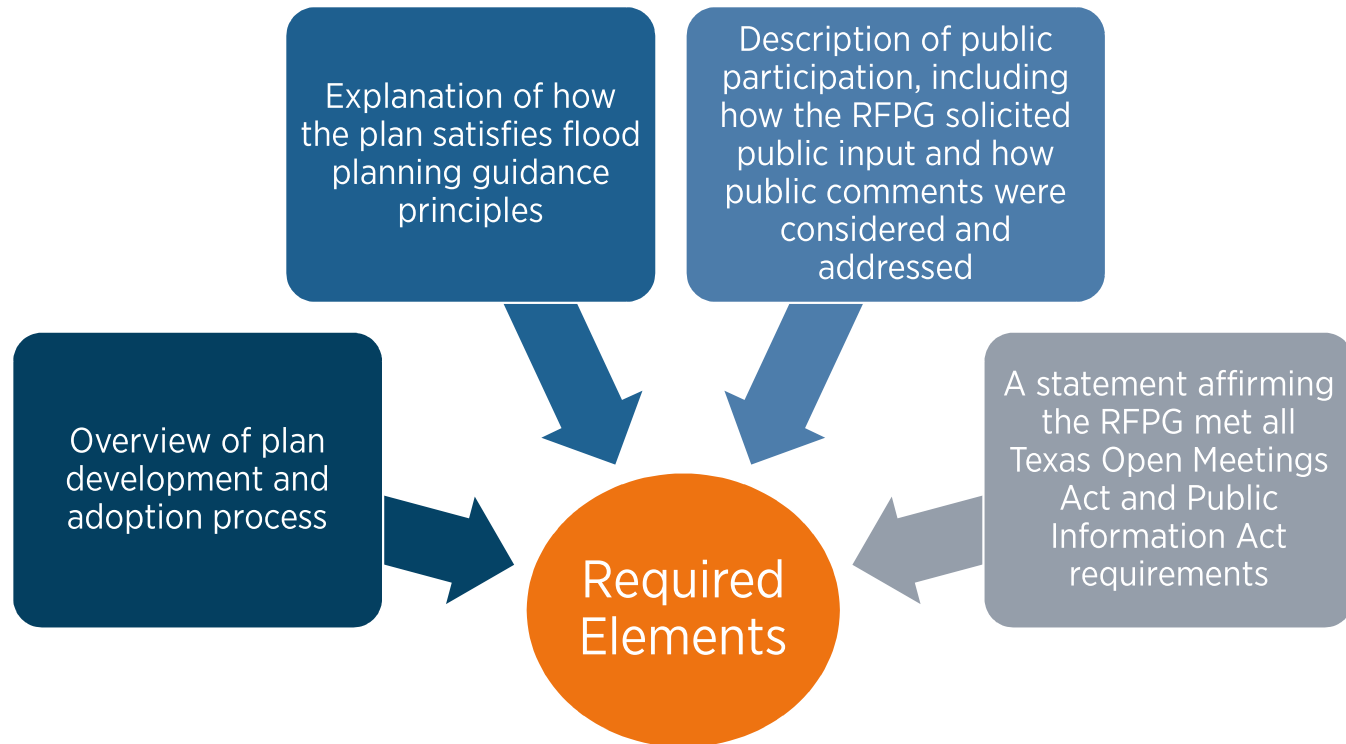


# Ch. 10 Public Participation and Plan Adoption

# Chapter 10 Requirements

*Chapter 10 summarizes public participation activities.*

*Chapter 10 appendices list public comments and RFPG responses to comments.*





# Chapter 10 Requirements

## Documentation of public input & participation activities to include:

- Holding pre-planning meetings, regular RFPG meetings, and committee meetings
- Posting notices, agendas, meeting materials, and plan information
- Developing and maintaining a RFPG website
- Documenting meetings and hearings via minutes and/or recordings
- Holding public input meetings and public hearing on the draft plan
  - Includes at least one meeting to identify flood risk in the region
  - Includes at least one meeting to gather suggestions and recommendations on FMEs, FMS's and FMPs that should be considered
- Coordinating with and collecting information from entities involved in flood planning in the region
- Assembling, producing, and submitted the Tech Memo, draft regional flood plan and final regional flood plan
- Facilitating interregional cooperation and efforts to resolve issues including potential negative effects on neighboring areas within and between regions

# Chapter 10: Region 3 Activities

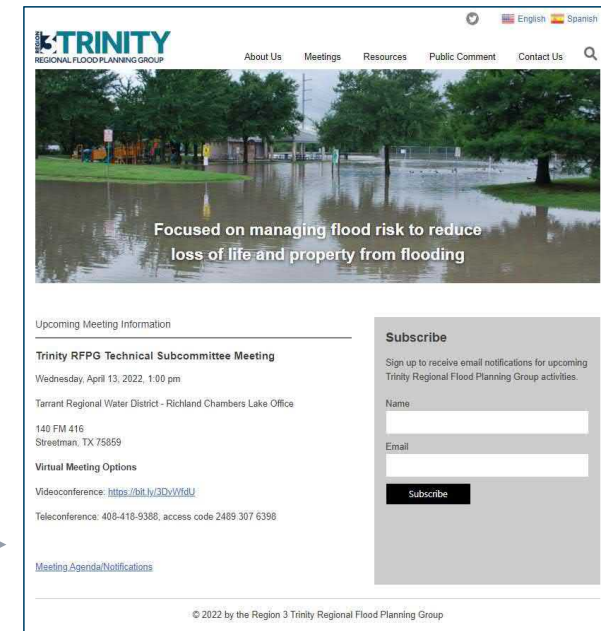
Numerous public meetings, including hybrid meetings across region, pre-planning meetings and upcoming public hearing on draft RFP

Meeting notices and materials posted to website and Texas SOS, and sent via MailChimp to stakeholders / interested parties

Maintenance of stakeholders / interested parties database with nearly 850 unique email addresses and nearly 1,100 individual contacts

- City and county officials
- State, federal and other entities with flood planning responsibilities
- Public / interested party sign-ups from website

Development/use of award-winning website



# Chapter 10: Region 3 Activities

Social media (Twitter) content posted regularly

Press releases and outreach to media across the region

Development of PowerPoint overview presentation

Presentations to various regional organizations (NTC Infrastructure Summit, NCTCOG Flood Management Task Force, North Texas elected officials)



# Chapter 10: Region 3 Activities

## Postcard mailers to augment email outreach

## Follow-up phone calls to stakeholders

## Online data gathering survey/tool with interactive webmaps

## Interactive webmap to confirm current flood risk

## Handout materials

## Postcards promoting draft flood plan and public input

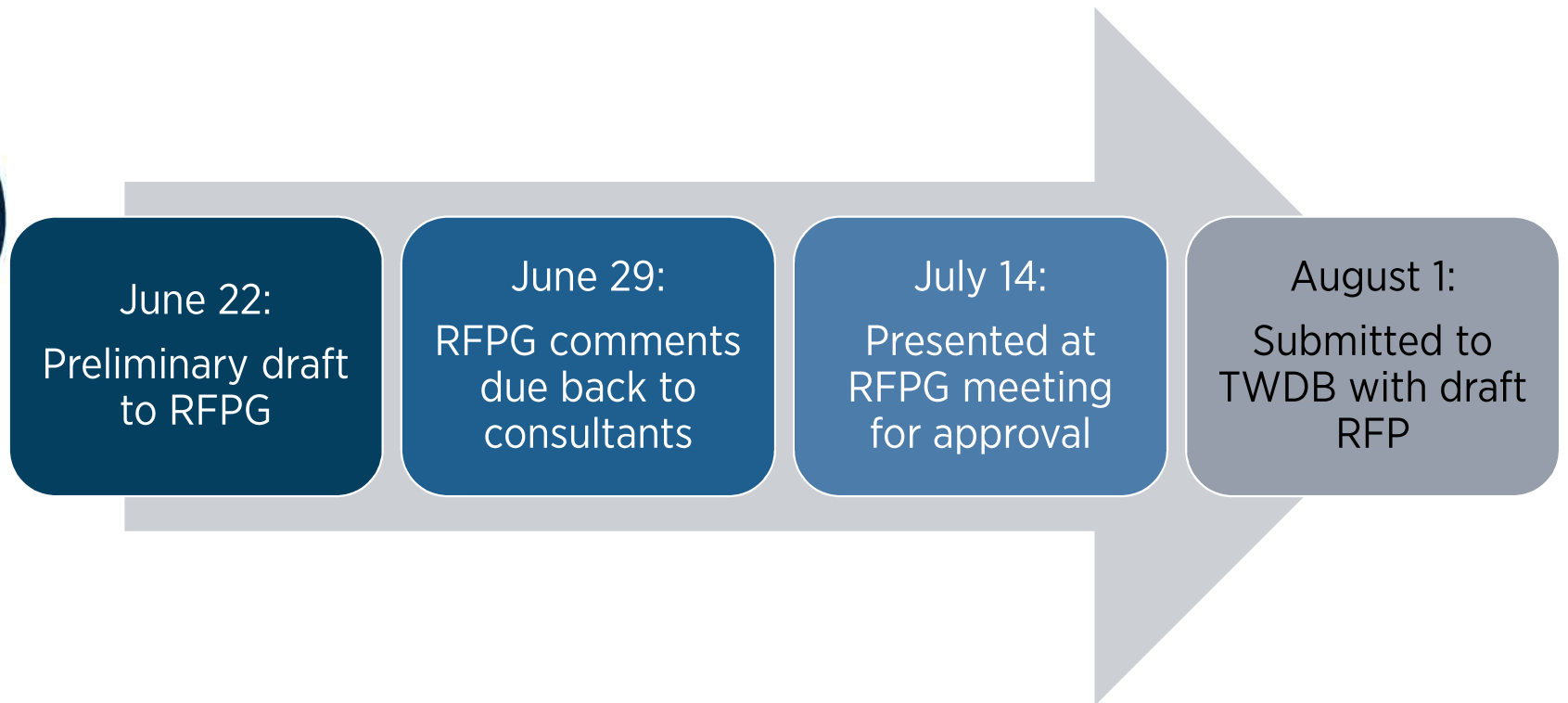
Potential in-person, open house "roadshow" to showcase the draft flood plan and solicit questions or comments, at sites across the region (pending RFPG direction)

## Public hearing to take public input on draft flood plan

Subsequent public meetings to consider public and TWDB input, revise and finalize flood plan



# Chapter 10: Anticipated Timeline



An underwater photograph showing a sandy ocean floor in the foreground and a horizon line with a bright light source, possibly the sun, in the distance. The water is a deep blue-green color.

# Public Outreach Updates



# Upcoming Public Outreach Activities

- Second postcard mailer featuring draft regional flood plan
  - July distribution
  - To inform regional stakeholders that the draft flood plan will be available on Aug. 1 and encourage review/feedback
    - City and county officials
    - Federal, state and other entities with flood planning responsibilities
    - Interested parties / public
- Simultaneously send MailChimp e-blast to regional stakeholders list and a press release to media

# Upcoming Public Outreach Activities

- Open house-style "roadshow" meetings (proposed)
  - In-person presentations by consultants to take questions, solicit input on draft flood plan
  - At multiple locations across region
  - Not considered a "public meeting" if no quorum of RFPG members
  - Could do anytime in August or early September (before official hybrid meeting to take public input)
- Some regions doing roadshow now, without draft regional flood plan

## Save the Date

Region 8 Lower Brazos Regional Flood Planning Group to hold Public Meetings. The purpose of these open house-style meetings is to inform the public on the current progress of regional flood planning for the Lower Brazos and gather feedback on information that will be included in the first State Flood Plan. The same information will be presented at each meeting. Please attend the meeting location that is the most convenient for you. Click [here](#) for a Save the Date Flyer. Click [here](#) or the image below for a meeting location map.

**Public Roadshow Meetings – Location & Schedule**

**Upper Basin**  
➤ Granbury, March 28, 2022, 4:00-6:00 PM  
Hood County Annex Building  
1410 W. Pearl Street, Granbury, TX 76048

**Upper to Mid Basin**  
➤ Waco, March 24, 2022, 1:00-3:00 PM  
Brazos River Authority – Central Office  
4800 Cobbs Drive, Waco, TX 76710  
➤ Georgetown, March 30, 2022, 4:00-6:00 PM  
Williamson County Engineer's Office  
3151 SE Inner Loop, Georgetown, TX 78626

**Mid to Lower Basin**  
➤ College Station, April 5, 2022, 4:00-6:00 PM  
Carter Creek WWTP – Training Room  
2200 North Forest Parkway, College Station, TX 77845

**Lower Basin**  
➤ Rosenberg, April 7, 2022, 4:00-6:00 PM  
Rosenberg Civic Center  
3825 Highway 36 South, Rosenberg, TX 77471





# Upcoming Public Outreach Activities

- Public hearing (RFPG takes formal public input on the draft regional flood plan)
  - Requires 30 days' minimum notice
  - Draft regional flood plan due to TWDB Aug. 1, 2022
  - Draft plan must be made available for public inspection online, and a hard copy made available for public inspection in at least three publicly accessible locations within the region, for at least 30 days prior to the first meeting and 30 days following the first meeting
  - Thus, the earliest public hearing date would be early September

# LOOK-AHEAD

## June 2022 Meeting

- RFPG reviews Chapters 4, 5, 7 & 8
- Consultant provides update on Chapters 6, 9 & 10

## July 2022 Meeting

- RFPG reviews Chapters 6, 9 & 10
- RFPG approves submittal of Draft Regional Flood Plan to TWDB
- Consultant provides update on Tasks 11, 12 and 13

## August 1, 2022 (no meeting)


- Consultant sends Draft Regional Flood Plan to TWDB
- Potential road show/open house

## September 2022

- Potential road show/open house
- Public Meeting on draft regional flood plan

## November 2022 Meeting

- RFPG approves final regional flood plan

Notes:  indicates target date.

Yellow highlight indicates hard deadline.




## 10. Updates from adjoining coastal regions



## 11. Updates from Planning Group Sponsor



## 12. Administrative costs



# 13. General public comments

Limit 3 minutes per person



## 14. Announcements



15. Meeting date for next meeting



## 16. Agenda items for next meeting



## 17. Adjourn