



933 E Court Street | Seguin, Texas 78155

April 1, 2025

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Water Utilities

Mr. Bryan McMath  
Executive Administrator  
Texas Water Development Board  
1700 North Congress Ave.  
Austin, Texas 78711

**Re: Amendment to the Guadalupe 2023 Regional Flood Plan**

Dear Mr. McMath,

In response to the need to recommend additional flood risk reduction solutions to be considered by the Board during the 2026- 2027 cycle of the Flood Infrastructure Fund, the Guadalupe Regional Flood Planning Group (GRFPG) has reviewed, considered, and approved the 2023 Guadalupe Regional Flood Plan Amendment No. 2. The GRFPG reviewed three requests for amended FMEs and three requests for new FMPs. Two of the requested FME amendments updated existing FMEs and one request combined two existing FMEs. This reduced the total recommended FME count from 163 to 162. The total recommended FMP count increased from 54 to 57.

The changes were considered, approved, and adopted by the GRFPG at its regular public meeting on March 11, 2025. The group took formal action at this meeting to approve the submittal of an amendment package to TWDB for review by the April 1, 2025, deadline.

Enclosed please find an electronic copy of the second amendment to the 2023 Region 11 Flood Plan that was approved by the GRFPG.

If you have any question or need additional information or clarification regarding this submittal, please contact Jay Scanlon (consultant) at (512) 617-3115 or [Jay.Scanlon@Freese.com](mailto:Jay.Scanlon@Freese.com).



**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

# 2023 Regional Flood Plan

Region 11 – Guadalupe

Amendment No. 2

April 1, 2025

DRAFT

# 2023 REGION 11 REGIONAL FLOOD PLAN AMENDMENT NO. 2

*Prepared by:*

Region 11 Guadalupe Flood Planning Group

*With assistance from Technical Consulting Team:*

Freese and Nichols, Inc. (TBPELS Firm #2114)

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Jerome W. Scanlon III, P.E., CFM  
Project Manager

**DRAFT**

THIS DOCUMENT IS RELEASED FOR THE  
PURPOSE OF INTERIM REVIEW UNDER THE  
AUTHORITY OF JEROME W. SCANLON, P.E.,  
TXAS NO. 82077 ON 3/4/2025.

FREESE AND NICHOLS, INC.  
TEXS REGISTERED ENGINEERING FIRM  
F-2144

DRAFT

## SUMMARY OF CHANGES

### 2023 REGIONAL FLOOD PLAN AMENDMENT #2

#### Executive Summary

Updated the “Recommended Flood Projects, Studies, and Strategies” and “Funding Needs” in Table ES.3 Key Findings to reflect the changes within the amendment. Also updated Tables ES-4: Summary of FEM Types and ES-5: Summary of FMP Types. Updated the total costs in Section ES.9 Cost of the Plan.

#### Chapters 1-4

No changes were made.

#### Chapter 5: Recommendation of Potential Flood Management Evaluations and Flood Management Strategies and Associated Flood Mitigation Projects

The Guadalupe Regional Flood Planning Group (RFPG) reviewed three (3) requests for FMEs and three (3) requests for FMPs. Two (2) of the requested FME amendments were updates to existing FMEs and one (1) request combined two (2) existing FMEs. This reduced the total recommended FME count from 163 to 162. The total recommended FMP count increased from 54 to 57. No new FMSs were identified or recommended to be added to the Guadalupe RFP. Changes made to the 2023 Regional Flood Plan (RFP) are detailed in Sections 0 and 0, where updated tables reflect the new and updated FMXs. Each new FMP is supported by models are included in the “List of Models” in Appendix A and were uploaded to MS2 (Model Storage and Management System).

#### Chapter 6: Impact and Contribution of the Regional Flood Plan

Inserted a new table to summarize the flood risk reduction impacts of the plan.

#### Chapter 7-8

No changes were made.

#### Chapter 9: Flood Infrastructure Financing Analysis

Due to the small number of amendment requests, the funding survey from the 2023 RFP cycle was supplemented by conversation with the sponsors to understand the funding needs for the new and amended FMXs. Table 19 was updated to reflect changes within this amendment.

#### Chapter 10: Public Outreach and Engagement

A total of four (4) RFPG meetings have occurred since the submittal of the Final Regional Flood Plan. One (1) of the meetings was of the Executive Committee and three (3) general planning meetings. During the January 28, 2025 meeting the RFPG considered and approved proceeding with amendment number 2 and authorized Freese and Nichols to prepare the amendment. At the March 11, 2025 meeting, the RFPG considered and adopted the amendment to the RFP and authorized Freese and Nichols to submit the amendment to TWDB no later than April 1, 2025.

## Appendix A: Revised Tables

Table 15 – Flood Management Evaluations Recommended

Table 16 – Flood Mitigation Projects Recommended

Table 19 –Funding Survey

List of Available Models

No Negative Impacts Table

**Project Details Workbook** in progress

## Appendix B: Maps

Map 19 – Flood Management Evaluations

Map 20 – Flood Mitigation Projects

Map 22 – Model Coverage

## Appendix C: Additional Data

Benefit Cost Ratio Calculations provided by sponsors, to be included in final

One Page Summary Sheets in progress

## Appendix D: Additions and Changes to the Geodatabase



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## **A.1. INTRODUCTION AND PLANNING GROUP ACTION**

### **A.1.1 Summary of amendments and associated evaluations**

The Scope of Work from the 2028 Regional Flood Plan (May 2024, TWDB Regional Flood Planning Grant Scope of Work) was updated to include up to two (2) amendments to the 2023 RFP. In October 2024 the GRFPG published a notice to stakeholders, sponsors, and potential sponsors regarding a possible amendment. Two sponsors replied with requests for amendments and in January 2025 the GRFPG voted to proceed with this second amendment to the 2023 RFP.

Due to the need for review and analysis, preparation of the amendment documentation, and required GRFPG actions, sponsors had until January 15, 2025 to submit all necessary documents. In total the GRFPG received the information for three (3) FMEs and three (3) FMPs. Two (2) of the requested FME amendments were updates to existing FMEs and one (1) request combined two (2) existing FMEs.

## **A.2. CONSISTENCY WITH RULES AND STATUTE**

The plan amendment has been developed and adopted in accordance with 31 TAC §361.21 and the flood planning guidance principles pursuant to TWC §16.062(h)(1). The regional flood plan adequately provides for the preservation of life and property and the development of water supply sources, where applicable. This plan satisfies each of the guidance principles including that the plan will not negatively affect a neighboring area.

## A.3. MODIFICATIONS AND ADDITIONS TO THE 2023 REGIONAL FLOOD PLAN (MAIN REPORT)

### A.3.1 Changes made to the Executive Summary

The amended plan includes changes related to three (3) FMEs and three (3) FMPs. Two (2) of the FME amendments were updates to existing FMEs and one (1) combined two (2) existing FMEs. All three (3) FMPs are new.

#### ES.3 KEY FINDINGS

##### Flood Risk:

- Though the Guadalupe FPR varies widely in its geographies and characteristics, flood risk is prevalent throughout the region. More than 1,169 square miles of land area (19% of the region) is at risk of flooding, exposing approximately 45,801 buildings, 117,128 people, 3,206 roadway-stream crossings, and 689 square miles of agricultural land to flood risks.
- If current population growth, land development, and flood management practices continue, the amount of land area at risk of flooding is projected to increase by 18% over the next 30 years.

##### Floodplain Management and Goals:

- A vast majority of communities within the region participate in the National Flood Insurance Program (NFIP) and are required to regulate development within floodplains. However, many communities only adopt minimum flood development standards. Adoption of higher standards and increased enforcement are recommended to avoid increases in future flood risk.
- The RFPG adopted six goals, related to improved low water crossing safety, nature based solutions, adoption of higher floodplain management standards, participation in FEMA's Community Rating System, reduction of structures at flood risk, and increasing local dedicated funding sources for flood-related infrastructure.

##### Study and Mitigation Needs

- An analysis of flood study and mitigation needs demonstrated that 65% of the Guadalupe FPR has inadequate flood mapping and is in need of updated data and information. The Cities of New Braunfels, San Marcos, Cuero, Gonzales, Victoria, Kerrville and Kyle were identified as those with the greatest known flood risks and mitigation needs; however, there is significant risk across the Guadalupe FPR.

##### Recommended Flood Projects, Studies, and Strategies

- The RFPG worked with local communities to identify, evaluate, and recommend 162 flood studies (evaluations), 57 flood projects, and 5 regional flood strategies.
- The recommended flood projects would provide for the removal of 1,390 structures from .2% annual chance flood risk, providing protection to approximately 2,537 people, a reduction in flood risk for an additional 10,441 structures currently at 1% annual chance flood risk, the removal of 18 low water crossings from 1% annual chance flood risk, as well as additional benefits for higher frequency events.
- The flood studies recommended in this plan would provide updated data and information for the region and include planning activities for at least 111 future flood projects.



- The flood strategies recommended in this plan would advance the region’s capabilities and involvement in public outreach, floodplain management, and flood preparedness.

**Funding Needs**

- This plan identified significant barriers to generating local funding and obtaining available state and federal funds for necessary flood studies and projects.
- Overall, \$1,018,454,096 is required to implement the flood projects, studies, and strategies recommended in this plan, with an estimated \$914,717,655 needed from state and federal sources.

**Recommendations**

- The RFPG recommends a total of 11 legislative, 19 administrative, and 3 regulatory recommendations it considers necessary to facilitate floodplain management and flood mitigation planning and implementation.

**TABLE ES-4: SUMMARY OF FME TYPES**

FME Type		Number
Watershed Planning	Drainage master plans, other community-scale plans	27
	H&H modeling, regional watershed studies	14
	Flood mapping updates	3
Project Planning	Engineering project planning	111
Preparedness	Studies on Flood Preparedness	7
<b>Total</b>		<b>162</b>

**TABLE ES-5: SUMMARY OF RECOMMENDED FLOOD MITIGATION PROJECTS**

FMP Type	Number of FMPs Recommended
Stormwater Infrastructure Improvements	13
Roadway Drainage Improvements	21
Regional Detention Facilities	10
Property Acquisition	6
Flood Warning Systems	3
Emergency Generators	4
<b>Total</b>	<b>57</b>

ES.9 Cost of the Plan

Overall, there is an estimated \$1,018,454,096 required to implement the recommended FMEs, FMSs, and FMPs in this regional flood plan. Of that amount, approximately \$914,717,655 in state and federal funding is projected to be needed (89.8%) based on the survey results and estimates of remaining needs.

**A.3.2 Changes made to Chapter 5**

The Guadalupe RFPG identified and recommended the addition, removal, and alteration of FMEs and FMPs in the 2023 Regional Flood Plan Amendment No. 2 that were in accordance with TWDB guidelines. **Table and 5-2** below display newly recommended FMEs and FMPs highlighted in yellow, removed are striked through, and updates to previous actions highlighted in teal. All probable total FMP costs were adjusted to September 2020 costs and rounded to the nearest \$1,000.

Two (2) of the existing FMEs were combined into one (1) new FME, and two (2) existing FMEs were updated/revised. Three (3) new FMPs were added. For a summary and additional information on each of these actions refer to the one-page summaries attached in Error! Reference source not found..

City of Seguin Ingress/Egress Improvement Project Planning (111000063) and Low water Crossing Improvement Study (111000062) were removed and replaced with a combined action, Low Water Crossing Study for Ingress and Egress (111000182); City of Seguin Regional Drainage Master Plan (111000178) was removed and replaced with Seguin Regional Drainage Master Plan (111000183); Drainage Improvements Study (111000061) was removed and replaced with Revise: Regional Drainage Improvements Study (111000184).

The City of Seguin added two new FMPs: Washington Street Drainage Improvements (113000097) and Walnut Branch Channel Modifications (113000098).

The City of New Braunfels added one new FMP: Blieders Creek Regional Flood Mitigation (113000096).

TABLE 5-1: SUMMARY OF RECOMMENDED FMES

FME ID	Name	Type	Study Cost
111000001	Blanco County Low Water Crossing Improvements Study	Watershed Planning	\$250,000
111000002	Blanco County Soil Conservation Plan	Watershed Planning	\$100,000
111000003	Caldwell County Bridge Improvements Project Planning	Project Planning	\$256,000
111000004	Caldwell County Emergency Service District #1 Drainage and Utility Plan	Watershed Planning	\$100,000
111000005	Caldwell County Emergency Service District #3 River Crossing Improvements Study	Watershed Planning	\$1,000,000
111000006	Caldwell County Emergency Service District #3 Repetitive Loss Property Mitigation Study	Project Planning	\$1,000,000
111000007	Caldwell County Emergency Service District #4 Fire Station 2 Project Planning	Project Planning	\$100,000
111000008	Canyon Regional WA Hays Caldwell Water Treatment Plant Floodwall Project Planning	Project Planning	\$159,355
111000009	Center Point ISD Drainage Improvements Study	Watershed Planning	\$100,000
111000010	City of Cibolo and Seguin Road Access and Conditions Study	Preparedness	\$500,000
111000011	City of Cibolo and Seguin USACE Study	Watershed Planning	\$1,000,000
111000012	City of Buda Dam Study	Preparedness	\$500,000
111000013	City of Bulverde Drainage Improvements Study	Watershed Planning	\$150,000
111000014	City of Bulverde Local Flooding Study	Watershed Planning	\$100,000
111000015	City of Flatonia Drainage Project Planning	Project Planning	\$2,739,000
111000016	City of Flatonia WWTP Floodproofing Project Planning	Project Planning	\$100,000
111000017	City of Garden Ridge Drainage Improvements Project Planning	Project Planning	\$100,000
111000018	City of Gonzales Tinsley Creek Improvement Project Planning	Project Planning	\$600,000
111000019	City of Gonzales Tinsley Creek Flood Mitigation Project Planning	Project Planning	\$430,000
111000020	City of Ingram Drainage Improvements Study	Watershed Planning	\$100,000
111000022	City of Kerrville Pinto Trail Project Planning	Project Planning	\$100,000
111000023	City of Kerrville Park Street Low Water Crossing Project Planning	Project Planning	\$340,000
111000026	City of Kerrville Hill Country Drive at SH 16 Project Planning	Project Planning	\$245,000
111000028	City of Kerrville Harper Street between Culberson Avenue and Lewis Avenue Project Planning	Project Planning	\$180,000
111000029	City of Kerrville Circle Avenue Drainage Channel Project Planning	Project Planning	\$100,000
111000030	City of Kerrville Jack Drive - Undersized Inlet Project Planning	Project Planning	\$240,000

FME ID	Name	Type	Study Cost
111000031	City of Kerrville Harper Road to Town Creek (Fay Drive) Drainage Improvements Study	Project Planning	\$150,000
111000033	City of Kyle Prairie and Woodland Restoration Plan	Watershed Planning	\$250,000
111000034	City of Kyle - N. Burleson Street Drainage Improvements Project Planning	Project Planning	\$983,000
111000035	City of Lockhart Drainage Improvements Study	Watershed Planning	\$2,400,000
111000036	City of Lockhart USACE Study	Watershed Planning	\$360,000
111000037	City of Luling Drainage Improvements Study	Watershed Planning	\$150,000
111000038	City of Martindale Drainage Improvements Study	Watershed Planning	\$100,000
111000039	City of Mountain City Repetitive Loss Structure Mitigation Study	Project Planning	\$150,000
111000043	City of New Braunfels - Box Culvert Installation to Reduce Flood Risk on Blieders Creek, Comal River and Landa Park Project Planning	Project Planning	\$878,000
111000045	City of New Braunfels Dry Comal Creek Tributary East Watershed Project Planning	Watershed Planning	\$344,000
111000047	City of New Braunfels Hunters Creek Regional Project Planning	Watershed Planning	\$211,000
111000048	City of New Braunfels South Guadalupe Tributary Watershed Project Planning	Watershed Planning	\$168,000
111000049	City of New Braunfels Dry Comal Creek West Watershed Project Planning	Watershed Planning	\$126,000
111000051	City of Niederwald Engineering Review of City Hall	Project Planning	\$10,000
111000052	City of Nixon Voluntary Buyout Program Project Planning	Project Planning	\$150,000
111000054	City of San Marcos Regional Detention Study	Watershed Planning	\$200,000
111000055	City of San Marcos Modeling of Purgatory Creek and Willow Springs Creek Overflow Area	Watershed Planning	\$271,000
111000056	City of San Marcos Low Water Crossing at Jackman Project Planning	Project Planning	\$150,000
111000057	City of San Marcos Low Water Crossing at Mitchell and Purgatory Creek Project Planning	Project Planning	\$200,000
111000058	City of San Marcos LWC at River Road and Railroad Trestle/Blanco River Project Planning	Project Planning	\$150,000
111000059	City of San Marcos LWC at S LBJ and Purgatory Creek Project Planning	Project Planning	\$150,000
111000060	City of San Marcos - Extension of River Ridge Parkway West Project Planning	Project Planning	\$298,000
111000061	City of Seguin Drainage Improvements Study	Watershed Planning	\$1,100,000
111000062	City of Seguin Low Water Crossing Improvements Study	Watershed Planning	\$1,500,000
111000063	City of Seguin Ingress Egress Improvements Project Planning	Preparedness	\$250,000
111000064	City of Seguin City-wide Drainage Improvements Project Planning	Project Planning	\$200,000

FME ID	Name	Type	Study Cost
111000065	City of Seguin Voluntary Buyout Program Project Planning	Project Planning	\$300,000
111000066	City of Seguin Citywide Drainage Project Planning	Project Planning	\$4,304,000
111000067	City of Seguin Sewage Treatment Plant Floodproofing Project Planning	Project Planning	\$100,000
111000068	City of Uhland Drainage Improvement Project Planning	Project Planning	\$1,334,000
111000069	City of Victoria Drainage Improvement Study	Watershed Planning	\$1,000,000
111000070	City of Victoria Harden Critical Infrastructure Project Planning	Project Planning	\$100,000
111000071	City of Victoria Voluntary Buyout Program Project Planning	Project Planning	\$150,000
111000072	City of Victoria Flood Gate Project Planning	Project Planning	\$45,000
111000073	City of Victoria Regional Drainage Solutions Project Planning	Project Planning	\$1,327,962
111000074	City of Victoria Storm Sewer Improvements Project Planning	Project Planning	\$3,946,100
111000075	City of Victoria Clean and Televis Storm Sewers Project Planning	Project Planning	\$1,662,106
111000076	City of Victoria Regrade Priority Ditches and Driveway Culverts Project Planning	Project Planning	\$1,165,853
111000077	City of Victoria Repair Channel Failures & Sediment Removal Project Planning	Project Planning	\$276,201
111000078	City of Victoria Stream Restoration Study	Watershed Planning	\$500,000
111000079	City of Waelder Voluntary Buyout Program Project Planning	Project Planning	\$150,000
111000080	City of Wimberley Drainage Master Plan	Watershed Planning	\$150,000
111000081	City of Wimberley FM 1492 at Blanco River Low Water Crossing Project Planning	Project Planning	\$100,000
111000082	City of Wimberley Hidden Valley at Blanco River Low Water Crossing Project Planning	Project Planning	\$100,000
111000083	City of Wimberley Little Arkansas at Blanco River Low Water Crossing Project Planning	Project Planning	\$100,000
111000084	City of Wimberley Valley Drive at Pierce Creek Low Water Crossing Project Planning	Project Planning	\$100,000
111000085	City of Wimberley Flite Acres Road Low Water Crossing Project Planning	Project Planning	\$100,000
111000086	City of Wimberley FM 1492 at Pierce Creek Low Water Crossing Project Planning	Project Planning	\$100,000
111000087	City of Wimberley Wilson Creek at River Road Low Water Crossing Project Planning	Project Planning	\$100,000
111000088	City of Wimberley Green Acres Dr. at Fire Station Low Water Crossing Project Planning	Project Planning	\$100,000
111000089	City of Wimberley Leveritt's Loop Low Water Crossing Project Planning	Project Planning	\$100,000

FME ID	Name	Type	Study Cost
111000090	City of Wimberley Spoke Hollow Dr. at Spoke Pile Creek Low Water Crossing Project Planning	Project Planning	\$100,000
111000091	City of Wimberley River Road at Western City Limit Low Water Crossing Project Planning	Project Planning	\$100,000
111000092	City of Wimberley Paradise Hills Low Water Crossing Project Planning	Project Planning	\$100,000
111000093	City of Wimberley River Road Reconstruction Project Planning	Project Planning	\$100,000
111000094	City of Wimberley Little Ranches at Panther Creek Low Water Crossing Project Planning	Project Planning	\$100,000
111000095	City of Wimberley Hoots Holler Low Water Crossing Project Planning	Project Planning	\$100,000
111000096	Comal County Evacuation and Dam Safety Plan	Preparedness	\$50,000
111000098	Comal County Voluntary Buyout Program Project Planning	Project Planning	\$357,000
111000099	Comal County Retention Dam Project Planning	Project Planning	\$8,000,000
111000100	Comal County Master Water Improvement District River Road Low Water Crossing Improvement Project Planning	Project Planning	\$700,000
111000101	City of Cuero Drainage Improvements Study	Watershed Planning	\$150,000
111000102	City of Cuero City Public Service Station Project Planning	Project Planning	\$100,000
111000103	City of Cuero WWTP Floodproofing Project Planning	Project Planning	\$100,000
111000104	Green DeWitt Drainage District Channel Improvements Project Planning	Project Planning	\$250,000
111000105	DeWitt County (City of Nordheim) Flash Flood Mitigation Project Planning	Project Planning	\$150,000
111000106	Gillespie County Low Water Crossing Improvements Project Planning	Project Planning	\$50,000
111000107	Gonzales County Voluntary Buyout Program Project Planning	Project Planning	\$150,000
111000108	GBRA FEMA Cooperating Technical Partners (CTP) Modeling and Mapping	Watershed Planning	\$250,000
111000109	Guadalupe County Drainage Improvements Study	Watershed Planning	\$3,000,000
111000110	Guadalupe County Voluntary Buyout Program Project Planning	Project Planning	\$150,000
111000111	Guadalupe County LWC Project Planning	Project Planning	\$2,000,000
111000112	Hays County Dam Inundation Maps	Preparedness	\$500,000
111000113	Hays County Harden Critical Infrastructure Project Planning	Project Planning	\$100,000
111000114	Hays County Drainage Project Planning (Willow Springs Creek between McCarty Lane and Hunter Road)	Project Planning	\$800,000
111000115	Hays County Drainage Project Planning (Willow Springs Creek between Hunter Rd and the Railroad)	Project Planning	\$1,200,000



FME ID	Name	Type	Study Cost
111000116	Hays County Southeastern Property Acquisition Project Planning	Project Planning	\$800,000
111000118	Hays County Community Flood Mitigation Project Planning	Project Planning	\$238,035
111000119	Hunts ISD Storm Drainage Infrastructure Project Planning	Project Planning	\$100,000
111000120	Ingram ISD Construct New Storm Drainage Infrastructure	Project Planning	\$100,000
111000121	Ingram ISD Improve Existing Storm Drainage Infrastructure	Project Planning	\$100,000
111000122	Kerr County Center Point Storm Drainage Infrastructure Project Planning	Project Planning	\$125,000
111000123	Kerr County Dam Integrity Study	Preparedness	\$500,000
111000124	Kerr ISD Storm Drainage Infrastructure Project Planning	Project Planning	\$100,000
111000126	Travis County Voluntary Buyout Program Project Planning	Project Planning	\$300,000
111000127	Upper Guadalupe River Authority Evaluation of Water and Sediment Control Facilities	Watershed Planning	\$250,000
111000128	Victoria County Planning and Development Standards Study	Watershed Planning	\$100,000
111000129	Victoria County Drainage Improvements Study	Watershed Planning	\$150,000
111000130	Victoria County FIRMs	Watershed Planning	\$500,000
111000131	Victoria County Drainage Improvements around County EOC Project Planning	Project Planning	\$100,000
111000132	Victoria County Bridge Improvements Project Planning	Project Planning	\$500,000
111000133	Victoria County Voluntary Buyout Program Project Planning	Project Planning	\$300,000
111000134	Wilson County Stormwater Management Plan	Watershed Planning	\$500,000
111000135	Wilson County Low Water Crossing Improvements Project Planning	Project Planning	\$150,000
111000136	Wilson County Voluntary Buyout Program Project Planning	Project Planning	\$150,000
111000137	Blanco County Emergency Power Generators Project Planning	Project Planning	\$100,000
111000139	Edwards Aquifer Authority Technical Study to Enhance Great Springs Project Regional Flood Mitigation	Watershed Planning	\$250,000
111000140	City of Victoria Waste Water Treatment Plant Protection Project	Project Planning	\$300,000
111000142	City of San Marcos South LBJ Drive at Willow Springs Creek Project Planning	Project Planning	\$50,000
111000143	Green DeWitt Drainage District Cuero Levee Study	Project Planning	\$250,000

FME ID	Name	Type	Study Cost
111000144	City of New Braunfels Wood Road/Landa Street Drainage Improvement	Project Planning	\$3,575,700
111000145	Kendall County Guadalupe River Model Stud	Watershed Planning	\$250,000
111000146	Kendall County Stream Gauges and Flood Hazard Beacon	Preparedness	\$150,000
111000147	City of Kerrville Spring Street Project	Project Planning	\$15,000
111000148	City of Kerrville Clay Street Drainage and Kroc Center Detention Pond Spillway Improvements	Project Planning	\$15,000
111000149	City of Kerrville Coronado Drive and Junction Highway Drainage Improvements	Project Planning	\$15,000
111000150	City of New Braunfels River Road (Lakeview Blvd – Loop 337) Low Water Crossing Project Planning	Project Planning	\$25,000
111000152	Caldwell County Plum Creek Near US 183 and I-10 Intersection	Project Planning	\$60,000
111000153	Caldwell County FM 1322 @ Plum Creek	Project Planning	\$50,00
111000154	Caldwell County CR 146 @ Plum Creek	Project Planning	\$50,000
111000155	Caldwell County CR 230 @ Clear Fork Plum Creek	Project Planning	\$50,000
111000156	Caldwell County CR 159 @ Spanish Oak Creek	Project Planning	\$50,000
111000157	Caldwell County Cowpen Creek Near Dove Hill Drive	Project Planning	\$50,000
111000158	Caldwell County CR 221 and CR 233 @ Elm Creek	Project Planning	\$50,000
111000159	Caldwell County McMahan VFD @ Tenney Creek	Project Planning	\$50,000
111000160	Caldwell County Rolling Oaks @ Ebbon Road	Project Planning	\$50,000
111000161	Caldwell County Hemphill Creek Between SH 142 and SH 80	Project Planning	\$50,000
111000162	Caldwell County Dickerson Creek Near CR 111	Project Planning	\$50,000
111000163	Caldwell County CR 103 @ Morrison Creek	Project Planning	\$50,000
111000164	Caldwell County FEWS	Preparedness	\$50,000
111000165	Caldwell County CR 208 @ Plum Creek	Project Planning	\$50,000
111000166	Caldwell County Mebane Creek Channel Improvements	Project Planning	\$50,000
111000167	Caldwell County Mebane Creek Floodwall	Project Planning	\$50,000
111000168	Caldwell County Town Branch Detention	Project Planning	\$60,000
111000169	City of San Marcos USACE Regional Flooding Mitigation Bypass Channel Project Planning	Project Planning	\$740,000
111000170	Guadalupe County Drainage Master Plan	Watershed Planning	\$2,500,000
111000171	City of San Marcos Drainage Master Plan	Watershed Planning	\$500,000
111000172	City of San Marcos Atlas 14 H&H Model Updates	Watershed Planning	\$1,500,000
111000173	Kendall County Drainage Master Plan	Watershed Planning	\$500,000
111000174	City of San Marcos Gauges for Phase 2 of city-wide FEWS	Project Planning	\$2,000,000
111000175	Comal County Drainage Master Plan	Watershed Planning	\$3,000,000
111000176	Goliad County Drainage Master Plan	Watershed Planning	\$1,000,000

FME ID	Name	Type	Study Cost
111000177	City of San Marcos Upper San Marcos Site 4 & 5 Dam Evaluations	Project Planning	\$300,000
111000178	City of Seguin Drainage Master Plan	Watershed Planning	\$450,000
111000179	Kerr County Drainage Master Plan	Watershed Planning	\$3,000,000
111000180	Hays County Drainage Master Plan	Watershed Planning	\$1,500,000
111000181	Caldwell County Assessment of Property Buyout Alternatives	Project Planning	\$40,000
111000182	City of Seguin Low Water Crossing Study for Ingress and Egress	Watershed Planning	\$1,500,000
111000183	City of Seguin Regional Drainage Master Plan	Watershed Planning	\$1,100,000
111000184	City of Seguin Regional Drainage Improvements Study	Watershed Planning	\$500,000
		<b>TOTAL</b>	<b>\$85,540,000</b>

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TABLE 5-2: SUMMARY OF RECOMMENDED FMPS

FMP ID	Name	Description	Cost
113000001	Blanco County Detention on the Blanco River	The proposed dam height of 102 ft. and dam length of 1,840 ft. will provide a maximum storage capacity of approximately 1128 ac-ft.	\$18,010,000
113000006	City of Kyle Plum Creek Tributary 3 Arbor Knot Dr. Improvement	A proposed culvert improvement has been developed to convey a 1% ACE event. The proposed culvert improvement is to add one additional 8ft x 4ft culvert totaling three culverts at this location, and raising the finished deck elevation by 0.5ft.	\$557,000
113000007	City of Kyle Plum Creek Tributary 4 Sledge Rd. Improvement	The proposed culvert improvement resulted in eight (7ft x 4ft) box culverts, needed to clear the roadway and to alleviate additional backwater flooding.	\$1,149,000
113000010	City of Kyle 65ft Channel Modification and Additional Culvert	The channel modifications consists of 65-ft bottom width channel modifications with 4:1 side slopes spanning from the North I-35 frontage road down past Goforth Road to Kym Way.	\$589,000
113000011	City of Kyle Plum Creek Detention Pond Upstream of IH35	This project consists of a detention pond between the railroad track and the South bound I-35 frontage road. Under this proposed alternative a 13-ft high dam wall would be placed on Plum Creek near Kyle Center Drive.	\$864,000
113000015	City of San Marcos Improve Flood Warning Systems	Enhancing stream flow gage network by increasing number of gages throughout community by at least six	\$339,000
113000026	City of San Marcos Purgatory Creek Channel Improvement	The objectives consist of channel improvements along Purgatory Creek to mitigate flooding and integrate projects from the City of San Marcos master plans.	\$22,391,000
113000027	City of San Marcos Sherwood/Kingwood Drainage Improvements	Recommendations include improvements to the water, wastewater, drainage utility systems and street pavement of Kingwood Street and Sherwood Drive and a rain garden at the west end of Sherwood Drive.	\$5,644,000
113000035	City of Seguin Guadalupe Street Automatic Flood Gates	Place automatic flood gates with vehicle detection on inside of flooded area to allow for egress.	\$115,000
113000036	City of Waelder Baldrige Creek Regional Detention Pond	The proposed regional detention pond on Baldrige Creek would be located northwest of the city. It would release runoff at a substantially lower flowrate, resulting in a lower flood elevation.	\$2,573,000
113000037	City of Waelder Baldrige Creek Channel and Culvert	The chosen alternative consists of a 50 ft bottom width channel modification with 3:1 side slopes downstream of SH 97 and the addition of two 10' x 10' concrete box culverts.	\$3,928,000

FMP ID	Name	Description	Cost
	Improvement and Detention Pond		
113000039	City of Wimberley Wilson Creek Green Acres Dr. Improvement	A proposed updated culvert geometry consists of 11 box culverts (10ft-12ft) and a raised finished deck elevation (3ft rise).	\$1,246,000
113000040	City of Woodcreek Regional Detention South of Mountain Crest Drive	The alternative consists of a 20 ft. tall detention structure with a 175 ac-ft detention capacity. The outflow control would consist of culverts for low flow and an overflow weir for high flow.	\$964,000
113000041	City of Woodcreek Improvements to Brookside Drive Culvert Crossing	The culvert opening will be increased to three 36" concrete pipes to match the culvert capacity just downstream at Brook Meadow Dr. and also involve some minimal re-grading of the stream flowline.	\$38,000
113000042	City of Woodcreek Brookhollow Drive Drainage Improvements	The proposed alternative consists of a rip rap ditch along the south side of Brookmeadow Drive, under Overbrook Court and down to Hog Creek. The capacity of the ditch would be enough to hold the most frequent flows	\$65,000
113000044	Comal County Regional Detention on Bear Creek	The proposed dam height of 85 ft. and dam length of 620 ft. will provide a maximum storage capacity of approximately 3,375 ac-ft.	\$9,179,000
113000047	Gonzales County Regional Detention on Peach Creek	A 29 ft. high dam with a length of 5780 ft. would provide approximately 41,774 ac-ft of storage. This site would be able to store a large volume of water and greatly reduce the peak from the Peach Creek watershed.	\$39,227,000
113000052	Kerr County Back-up Power Generators	Installing generators at critical facilities will help ensure physical safety for facility occupants and maintain electronic systems functionality during power outages. Portable generators will maintain additional systems functionality	\$806,000
113000060	City of Victoria Back-up Power Generators	Install emergency generators and quick connects on all buildings, critical infrastructure, and government buildings.	\$551,000
113000061	City of Buda Lifschutz Headwaters Voluntary Buyout	Voluntary, targeted buyouts for 1 or more affected properties. (November 11, 2016 Preliminary Engineering Report)	\$565,000
113000062	City of Nixon Wastewater System Flood Improvements	The project includes a new generator and SCADA system improvements at the city's WWTP and Water Well 6 and alleviates inundation at the WWTP and 8th lift stations.	\$3,949,000
113000063	City of San Marcos Emergency Generators	Purchase and installation of generators for temporary sheltering efforts in all public facilities capable of housing citizens.	\$58,000

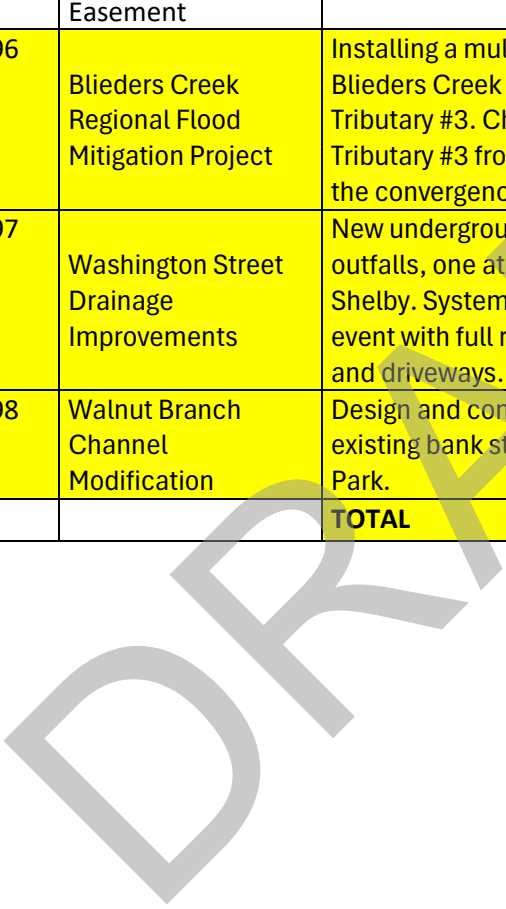
FMP ID	Name	Description	Cost
113000064	Victoria County Emergency Generators	Install emergency generators at critical facilities.	\$551,000
113000065	City of Seguin Regional Detention Southwest of Seguin City Limits Project	Proposed regional detention project on Mays Creek.	\$2,015,000
113000066	City of Seguin Culvert Improvements at Guadalupe River Drive Project	Proposed project to add two additional 10 ft. by 10 ft. reinforced concrete box culverts on either side of the existing two- 10ft. by 10ft. box culverts at Guadalupe River Dr.	\$594,000
113000067	City of Victoria Channel and Bridge Modifications on State Highway 87 Project	Proposed channel and bridge modification project. The design modification consists of adding two additional piers to the right and left overbanks of the bridge.	\$8,350,000
113000068	City of Victoria Detention Structure Located Upstream of State Highway 87 Project	The proposed detention structure is located upstream of State Highway 87. The detention basin has a proposed height of 11ft from crest to inlet structure, a capacity of 3700 ac-ft, and three culvert outlet structures.	\$58,395,000
113000069	Guadalupe County Detention on York Creek Project	Project for detention on York Creek. The currently proposed dam height of 48 ft. and dam length of 4800 ft. will provide a maximum storage capacity of approximately 48,130 ac-ft.	\$45,376,000
113000070	Victoria County Nursery Road LWC	Improvements consist of five (9ft x 9ft) box culverts and raising the deck elevation to be able to pass the 10% ACE (10-yr) event without overtopping.	\$724,000
113000071	Victoria County Parsons Road LWC	Improvements consist of 10 (12ft x 12ft) box culverts and raising the deck elevation to be able to pass the 10% ACE (10-yr) event without overtopping.	\$905,000
113000072	Comal County River Road LWC	The proposed improvements include five (7 ft x 7 ft) box culverts to withstand a 10% ACE (10-yr) event while rerouting River Road to protect existing Cypress trees	\$1,087,000
113000073	Kendall County Cypress Creek Detention	Flood reduction analysis focused on identifying regional detention measures within the Cypress Creek watershed to reduce flood risk in and around the town of Comfort, TX.	\$14,350,000
113000074	Caldwell County CR 141 @ Hines Branch	Upgrade existing low water crossing to include box culverts and channel improvements	\$2,893,000
113000075	Caldwell County SH 80 Low Water	Upgrade existing low water crossing to include culverts, channel improvements, and detention	\$20,224,000



FMP ID	Name	Description	Cost
	Crossing Improvements @ Morrison Creek		
113000076	Caldwell County Salt Branch Drainage Improvements in Luling	Expand existing US 183 bridge and upgrade existing LWCs at Walnut and Laurel with box culverts and channel improvements	\$5,798,000
113000077	Caldwell County CR 233 and FM 2001 @ Plum Creek	Upgrade existing low water crossing on Polonia Road to include new bridge; channel improvements at FM 2001 and Polonia Road	\$7,934,000
113000078	Caldwell County Plum Creek Channel Improvements Near CR 227	Channel Improvements to mitigate residential and commercial flooding near CR 227	\$5,587,000
113000079	Caldwell County Hemphill Creek Drainage Improvements Near FM 1984	Channel improvements; Bridge Extension; Bridge conversion; and detention to reduce residential flooding near FM 1984	\$19,790,000
113000080	Caldwell County US 183 @ Clear Fork Plum Creek	Expand existing US 183 and Robin Ranch Rd bridge openings; channel improvements and floodwall to mitigate commercial flooding	\$16,501,000
113000081	Caldwell County Brushy Creek Channel Improvements Near Las Estancias II	Channel improvements to reduce residential flooding within Las Estancias II subdivision	\$9,622,000
113000082	Caldwell County Boggy Creek Channel Improvements Near SH 142	Channel improvements to reduce residential/commercial flooding near SH142	\$6,113,000
113000083	Caldwell County CR 218 @ Boggy Creek and Clear Fork Plum Creek	Upgrade existing low water crossings to include box culverts and channel improvements	\$7,836,000
113000084	Caldwell County CR 227 @ Brushy Creek	Upgrade existing low water crossing to include box culverts and channel improvements	\$3,504,000
113000085	City of Kerrville First Street Low Water Crossing	Proposed channel modifications and culvert improvements (8-12' x 8' RCBs)	\$9,467,000
113000086	City of Kerrville Fourth Street Low Water Crossing	Proposed channel modifications and culvert improvements (7-12' x 8' RCBs)	\$5,392,000

FMP ID	Name	Description	Cost
113000087	City of New Braunfels Nacogdoches and Faust Drainage Improvements	This project involves expanding and adding drainage infrastructure to Faust Avenue and Nacogdoches Avenue to improve runoff collection through a storm sewer to outfall to the Guadalupe River.	\$18,380,000
113000088	City of New Braunfels Castell Avenue Phase 1 Drainage Improvements	The project proposes inlets and pipes to collect storm water runoff along Castell Avenue and a large 10x8 storm box extension to outfall into the Guadalupe River along Coll Street.	\$6,732,000
113000089	Kendall County Cypress Creek FEWS Siren System	This project involves the installation of a siren system on a tower/pole located in the Cypress Creek watershed in Kendall County. Installation would include the siren components as well as power and telecomm connections.	\$20,000
113000090	City of San Marcos McKie Street at Willow Springs Creek Improvements	LWC Upgrade (4-8'x6' RCBs, raise road 3') and Channel Improvements (500LF)	\$1,044,000
113000091	Edwards Aquifer Authority and San Marcos River Foundation Katz Recharge Conservation Easement	Funding for 25% of the acquisition of a conservation easement to catch runoff and avoid future increases in impervious cover to mitigate future floods	\$765,000
113000092	Edwards Aquifer Authority and San Marcos River Foundation Peters Recharge Conservation Easement	Funding for 25% of the acquisition of a conservation easement to catch runoff and avoid future increases in impervious cover to mitigate future floods	\$606,000
113000093	City of Martindale and San Marcos River Foundation Scull Crossing Flood Mitigation Conservation Easement	Funding for 25% of the acquisition of a conservation easement along the San Marcos River and adjacent crossing which floods. Benefits include riparian preservation, avoiding future increases in impervious cover.	\$489,000
113000094	City of Martindale, Caldwell County, and San Marcos River Foundation Berry Riparian Flood	Funding for 50% of the acquisition of a conservation easement along Hemphill Creek. Benefits include riparian preservation, avoiding future increases in impervious cover.	\$120,000

FMP ID	Name	Description	Cost
	Mitigation Conservation Easement		
113000095	City of Martindale, Caldwell County, and San Marcos River Foundation Turner Riparian Flood Mitigation Conservation Easement	Funding for 50% of the acquisition of a conservation easement along Hemphill Creek and Morrison Creek. Benefits include riparian preservation, avoiding future increases in impervious cover.	\$245,000
113000096	Blieders Creek Regional Flood Mitigation Project	Installing a multibox culvert to convey the flow from Blieders Creek east to the existing Guadalupe river Tributary #3. Channel improvements are proposed on Tributary #3 from the outfall at Torrey Rd. through to the convergence at the Guadalupe River.	\$15,000,000
113000097	Washington Street Drainage Improvements	New underground system along Camp Street with two outfalls, one at Donegan Street and another at Shelby. System designed to convey the 25-yr storm event with full roadway reconstruction, sidewalks, and driveways.	\$3,880,000
113000098	Walnut Branch Channel Modification	Design and construction alternatives for failures of existing bank stabilization measure at Walnut Springs Park.	\$3,115,000
		<b>TOTAL</b>	<b>\$416,211,000</b>



### A.3.3 Changes Made to Chapter 6

**TABLE 6.0 (NEW) REDUCTION IN 1% ACE FLOOD RISK EXPOSURE DUE TO RECOMMENDED FMPS**

Flood Exposure Region-Wide	Existing Conditions At Risk	Remaining After Implementation	Reduction in Exposure
Structures	27,630	26,675	955
Population	73,759	71,222	2,537
Critical Facilities	292	292	0
Low Water Crossings	145	127	18
Road Closures	54	14	40
Length of Roads (miles)	809.2	800.7	8.5
Farm & Ranch Land (acres)	237,545.7	237,543.1	2.6

### A.3.4 Changes Made to Chapter 9

**Section 9.2, Paragraph 3:** Overall, there is an estimated \$ \$1,018,454,096 required to implement the recommended FMEs, FMSs, and FMPS in this regional flood plan. Of that amount, approximately \$914,571,778 in state and federal funding is projected to be needed (89.8%) based on the survey results and estimates of remaining needs.

### A.3.5 Changes Made to Chapter 10

In October 2024 the GRFPG published a notice to stakeholders, sponsors, and potential sponsors regarding a possible amendment. Two sponsors replied with requests for amendments and in January 2025 the GRFPG voted to proceed with this second amendemnt to the 2023 RFP. Due to the need for review and analysis, preparation of the amenement documentation, and required GRFPG actions, sponsors had until January 15, 2025 to submit all necessary documents.

During the January 28, 2025 meeting the RFPG considered and approved proceeding with amendment number 2 and authorized Freese and Nichols to prepare the amendment. At the March 11, 2025 meeting, the RFPG considered and adopted the amendment to the RFP and authorized Freese and Nichols to submit the amendment to TWDB no later than April 1, 2025.

A summary of the meetings at which actions were taken, dates of public comment periods, and postings is presented below:

- October 31, 2024: Notice/Call for Amendments Published
- November 15, 2024: Deadline for Sponsors to submit a Notice of Intent for amendments
- January 2, 2025: Notification for the January 28, 2025 RFPG Meeting sent out and posted
- January 15, 2025: Deadline for Sponsors to submit information
- January 16, 2025: Meeting Materials distributed and posted. Comment period open.
- January 28, 2025: RFPG Meeting, RFPG considered and approved proceeding with amendment
- February 13, 2025: Comment period closed (no comments received)
- February 26, 2025: Notification for the March 11, 2025 RFPG Meeting sent out and posted
- March 5, 2025: Meeting Materials distributed and posted. Comment period open.
- March 20, 2025: Comment period closed (no comments received)

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## **A.4. REVISED TABLES**

### **A.4.1 Recommended Flood Management Evaluations (FME)**

City of Seguin Ingress/Egress Improvement Project Planning (111000063) and Low water Crossing Improvement Study (111000062) were removed and replaced with a combined action, Low Water Crossing Study for Ingress and Egress (111000182); Drainage Improvements Study (111000061) was removed and replaced with Revise: Regional Drainage Improvements Study (111000184).

See attached Exhibit C Table 15. Recommended Flood Management Evaluations (FME)

### **A.4.2 Recommended Flood Mitigation Projects (FMP)**

The City of Seguin added two new FMPs: Washington Street Drainage Improvements (113000097) and Walnut Branch Channel Modifications (113000098). The City of New Braunfels added one new FMP: Blieders Creek Regional Flood Mitigation (113000096).

See attached Exhibit C Table 16 – Recommended Flood Mitigation Projects (FMP).

### **A.4.3 Funding Survey**

The sponsors were contacted to ask about funding availability and needs. The information was used to update Exhibit C Table 19 (attached).

### **A.4.4 List of Models Submitted/Uploaded to MS2**

Additional models submitted in support of the additional recommended FMPs have been added to Table 20: List of Available Models and uploaded to MS2.

### **A.4.5 No Negative Impacts Table**

No Negative Impacts data for the additional recommended FMPs have been added to table.

### **A.4.6 Project Details Workbook**

The workbook was updated to reflect the addition of the new FMPs described above. See attached Project Details Workbook



FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable 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 active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	RFPG Recommendation (Y/N)	Reason for Recommendation
111000001	11	Guadalupe	Blanco County Low Water Crossing Improvements Study	Study of solutions to upgrade and/or raise low water crossing in the county. The low water crossings most frequently and most severely flooded will be assessed for elevation and improvement (e.g., curbed and/or pedestrian walkways) roadways.	11000001, 11000002	Comal,Kendall,Hays,Gillespie,Blanco	12100201,12100203	-	Multiple	Watershed Planning	236.9	Riverine	Blanco	Multiple	No	\$250,000	-	177	127	272	0	33	0	16.5	5,740.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000002	11	Guadalupe	Blanco County Soil Conservation Plan	Develop soil conservation plan which provides information on proper land stewardship including diagram, soil map, assessment of vegetation and wildlife fuels, schedule for applying conservation practices; plan for operation and maintenance.	11000003, 11000004	Blanco	12100203,12100201	-	Multiple	Watershed Planning	711.0	Riverine	Blanco	Multiple	No	\$100,000	-	167	122	256	0	30	0	14.2	4,091.8	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000003	11	Guadalupe	Caldwell County Bridge Improvements Project Planning	Project planning for proposed project to replace antiquated bridges built before 1950. These bridges cannot support the weight of emergency vehicles. In addition, upgraded bridge infrastructure would reduce backwater flooding at undersized crossings.	11000009, 11000010	Gonzales,Guadalupe,Caldwell,Hays,Bastrop,Travis	12100202,12100203	-	Multiple	Project Planning	634.4	Riverine	Caldwell	Multiple	No	\$256,000	-	2,042	1,486	5,352	8	102	0	100.6	42,986.5	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000004	11	Guadalupe	Caldwell County Emergency Service District #1 Drainage and Utility Plan	Develop a drainage and utility plan.	11000009, 11000010	Caldwell,Hays	12100203	-	Multiple	Watershed Planning	110.6	Riverine	Caldwell County Emergency Service District #1	Multiple	No	\$100,000	-	136	74	289	0	13	0	10.9	4,872.8	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000005	11	Guadalupe	Caldwell County Emergency Service District #3 River Crossing Improvements Study	Study solutions to upgrade river crossings throughout the district including but not limited to Scull Road Bridge.	11000001, 11000002	Guadalupe,Caldwell,Hays	12100203	-	Multiple	Watershed Planning	61.5	Riverine	Caldwell County Emergency Service District #3	Multiple	No	\$1,000,000	-	724	535	2,021	1	13	0	23.3	5,084.8	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000006	11	Guadalupe	Caldwell County Emergency Service District #3 Repetitive Loss Property Mitigation Study	Study of identify flood-prone and repetitive loss properties through the Texas Water Development Board and identify and study solutions to reduce or eliminate flooding at identified properties.	11000009, 11000010	Caldwell	12100203	-	Multiple	Project Planning	23.6	Riverine	Caldwell County Emergency Service District #3	Multiple	No	\$1,000,000	-	465	347	1,254	1	5	0	12.6	3,124.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000007	11	Guadalupe	Caldwell County Emergency Service District #4 Fire Station 2 Project Planning	Planning for proposed project to build a swell and raise driveway of Fire Station 2 to prevent inundation of facility and to keep station in service during major storm events.	11000009, 11000010	Caldwell	12100203	-	Multiple	Project Planning	14.9	Riverine	Caldwell County Emergency Service District #4	Multiple	No	\$100,000	-	1	1	2	0	1	0	1.6	835.9	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000008	11	Guadalupe	Canyon Regional Water Authority Hays Caldwell Water Treatment Plant Floodwall Project Planning	Project planning for Canyon Regional WA - Hays Caldwell Water Treatment Plant Floodwall Project	11000009, 11000010	Guadalupe	12100202	-	11000043	Project Planning	6.6	Riverine	Canyon Regional Water Authority	Multiple	No	\$159,355	-	616	511	1,644	2	5	0	5.7	26.3	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000009	11	Guadalupe	Center Point ISD Drainage Improvements Study	Study of solutions to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	11000009, 11000010	Bandera,Kerr	12100201	-	Multiple	Watershed Planning	110.8	Riverine	Center Point ISD	Multiple	No	\$100,000	-	538	351	846	0	19	0	26.5	6,111.4	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000010	11	Guadalupe	City of Cibolo and Seguin Road Access and Conditions Study	Study to evaluate access and road conditions for response vehicles, develop and implement options to improve access and/or add redundant access routes in high risk areas.	11000001, 11000002	Guadalupe	12100202	-	Multiple	Preparedness	59.2	Riverine	Cibolo, Seguin	Multiple	No	\$500,000	-	846	642	2,283	5	8	0	25.2	1,157.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000011	11	Guadalupe	City of Cibolo and Seguin USACE Study	Undertake a comprehensive study of flood risk and reduction alternatives, with the assistance of the U.S. Army Corps of Engineers. Project planning to implement feasible alternatives for flood reduction.	11000009, 11000010	Guadalupe	12100202	-	Multiple	Watershed Planning	59.2	Riverine	Cibolo, Seguin	Multiple	No	\$1,000,000	-	846	642	2,283	5	8	0	25.2	1,157.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000012	11	Guadalupe	City of Buda Dam Study	Study to evaluate dam failure risks, planning for structural and nonstructural measures to protect the integrity of the earthen fill dams.	11000009, 11000010	Hays	12100203	-	Multiple	Preparedness	9.3	Riverine	Buda	Multiple	No	\$500,000	-	3	1	3	0	1	0	0.9	7.7	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000013	11	Guadalupe	City of Bulverde Drainage Improvements Study	Study of solutions to replace existing culverts with larger ones, improve drainage channels; clear-out existing drainage channels; survey and remove hazardous trees from drainage systems.	11000009, 11000010	Comal	12100202,12100201	-	Multiple	Watershed Planning	15.8	Riverine	Bulverde	Multiple	No	\$150,000	-	0	0	0	0	1	0	0.6	1.4	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000014	11	Guadalupe	City of Bulverde Local Flooding Study	Study of solutions to elevate some segments of roadways in various portions of the community to address localized flooding issues.	11000009, 11000010	Comal	12100202,12100201	-	Multiple	Watershed Planning	15.8	Riverine	Bulverde	Multiple	No	\$100,000	-	0	0	0	0	1	0	0.6	1.4	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000015	11	Guadalupe	City of Flatonia Drainage Project Planning	Project planning for proposed project to make culvert and drainage ditch improvements from just south of the Union Pacific Railroad at US 90 to the north side frontage road of I-10.	11000009, 11000010	Gonzales,Fayette	12100202	-	Middle Guadalupe	Project Planning	4.5	Riverine	Flatonia	Multiple	No	\$2,739,000	-	0	0	0	0	0	0	1.1	227.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000016	11	Guadalupe	City of Flatonia WWTP Floodproofing Project Planning	Project planning for proposed project to floodproof Waste Water Treatment Plant	11000009, 11000010	Gonzales,Fayette	12100202	-	Middle Guadalupe	Project Planning	4.5	Riverine	Flatonia	Multiple	No	\$100,000	-	0	0	0	0	0	0	1.1	227.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000017	11	Guadalupe	City of Garden Ridge Drainage Improvements Project Planning	Project planning to complete final phase of drainage infrastructure upgrades.	11000009, 11000010	Guadalupe,Comal	12100202	-	Multiple	Project Planning	18.5	Riverine	Garden Ridge	Multiple	No	\$100,000	-	11	1	20	0	3	0	1.3	272.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000018	11	Guadalupe	City of Gonzales Tinsley Creek Improvement Project Planning	Project planning to upgrade aging infrastructure that was overwhelmed during Hurricane Harvey. Projects may include replacing box culvert bridges, replacing box culvert bridges with clear span bridges, and relocating utilities within the stream bed.	11000009, 11000010	Gonzales	12100202	-	Middle Guadalupe	Project Planning	3.8	Riverine	Gonzales	Multiple	No	\$600,000	-	403	318	758	0	5	0	7.5	202.3	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000019	11	Guadalupe	City of Gonzales Tinsley Creek Flood Mitigation Project Planning	Project planning for proposed improvements along Tinsley Creek include replacing a low water crossing at Johnson Street, adding culverts under Johnson Street, and replacing box culvert crossings with free span bridge crossings at several streets.	11000001, 11000002	Gonzales	12100202	-	Middle Guadalupe	Project Planning	3.8	Riverine	Gonzales	Multiple	No	\$430,000	-	403	318	758	0	5	0	7.5	202.3	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000020	11	Guadalupe	City of Ingram Drainage Improvements Study	Study of solutions to upgrade existing storm drainage infrastructure to reduce the potential impacts of future flood events.	11000009, 11000010	Kerr	12100201	-	Multiple	Watershed Planning	20.8	Riverine	Ingram	Multiple	No	\$100,000	-	369	242	470	1	8	0	8.0	532.5	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000022	11	Guadalupe	City of Kerrville Pinto Trail Project Planning	Project planning for proposed project to provide flood relief to the properties adjacent to the channel at risk of flooding, including widening existing channels, constructing a grass-lined trapezoidal channel, and seeding the proposed earthen channels.	11000009, 11000010	Kerr	12100201	-	Multiple	Project Planning	11.6	Riverine	Kerrville	Multiple	No	\$100,000	-	324	239	606	0	7	0	5.8	86.5	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000023	11	Guadalupe	City of Kerrville Park Street Low Water Crossing Project Planning	Project planning for proposed project to improve or replace the Park Street Low Water Crossing.	11000001, 11000002	Kerr	12100201	-	Multiple	Project Planning	11.6	Riverine	Kerrville	Multiple	No	\$340,000	-	324	239	606	0	7	0	5.8	86.5	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000026	11	Guadalupe	City of Kerrville Hill Country Drive at SH 16 Project Planning	Project planning for proposed project to raise the roadway profile and regrade Hill Country Drive, and increase the downstream pipe capacity at Hill Country Drive.	11000009, 11000010	Kerr	12100201	-	Multiple	Project Planning	2.1	Riverine	Kerrville	Multiple	No	\$245,000	-	191	83	1,394	2	4	0	4.1	0.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000028	11	Guadalupe	City of Kerrville Harper Street between Culberson Avenue and Lewis Avenue Project Planning	Project planning for proposed storm drain system project to relieve localized flooding and excessive ponding that occurs throughout Harper Street.	11000009, 11000010	Kerr	12100201	-	Multiple	Project Planning	5.9	Riverine	Kerrville	Multiple	No	\$180,000	-	381	290	990	0	4	0	7.1	18.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000029	11	Guadalupe	City of Kerrville Circle Avenue Drainage Channel Project Planning	Project planning for proposed channel and street improvement project to alleviate sedimentation and erosion issues at the intersection of Culberson Avenue and Circle Avenue.	11000009, 11000010	Kerr	12100201	-	Multiple	Project Planning	5.9	Riverine	Kerrville	Multiple	No	\$100,000	-	381	290	990	0	4	0	7.1	18.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000030	11	Guadalupe	City of Kerrville Jack Drive - Undersized Inlet Project Planning	Project planning for proposed street and drainage improvements project to relieve road and property flooding from occurring directly downstream of Jack Drive's existing undersized inlet.	11000009, 11000010	Kerr	12100201	-	Multiple	Project Planning	6.5	Riverine	Kerrville	Multiple	No	\$240,000	-	249	151	852	0	8	0	5.1	67.3	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000031	11	Guadalupe	City of Kerrville Harper Road to Town Creek (Fay Drive) Drainage Improvements Study	Study of solutions to implement drainage improvements on Harper Road to Town Creek (Fay Drive).	11000009, 11000010	Kerr	12100201	-	Multiple	Project Planning	5.9	Riverine	Kerrville	Multiple	No	\$150,000	-	381	290	990	0	4	0	7.1	18.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000033	11	Guadalupe	City of Kyle Prairie and Woodland Restoration Plan	Prepare and implement a prairie or woodland restoration plan for 1 or more of Kyle's park properties. Selection of a municipal park where all or a portion of the site may be restored to a natural grassland or woodland	11000003, 11000004	Hays	12100203	-	Multiple	Watershed Planning	31.2	Riverine	Kyle	Multiple	No	\$250,000	-	422	360	1,368	0	9	0	7.2	727.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000034	11	Guadalupe	City of Kyle - N. Burleson Street Drainage Improvements Project Planning	Project planning for proposed project to conduct street reconstruction and drainage improvements to minimize flooding in the downtown area.	11000009, 11000010	Hays	12100203	-	Multiple	Project Planning	5.8	Riverine	Kyle	Multiple	No	\$983,000	-	326	258	1,760	1	2	0	3.1	10.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable 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 active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	RFPG Recommendation (Y/N)	Reason for Recommendation
11100035	11	Guadalupe	City of Lockhart Drainage Improvements Study	Study to identify Capital Improvements to Municipal Drainage System and study solutions to upgrade system to improve drainage capacity and reduce flood damages.	11000009, 11000010	Caldwell	12100203	-	Multiple	Watershed Planning	15.6	Riverine	Lockhart	Multiple	No	\$2,400,000	-	62	43	187	2	6	0	5.9	344.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100036	11	Guadalupe	City of Lockhart USACE Study	Undertake a comprehensive study of flood risk and reduction alternatives with USACE, covering all incorporated and unincorporated areas of the city that currently have limited studies with no determined base flood elevations as well as unmapped areas.	11000009, 11000010	Caldwell	12100203	-	Multiple	Watershed Planning	55.9	Riverine	Lockhart	Multiple	No	\$360,000	-	90	59	341	5	8	0	11.4	3,915.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100037	11	Guadalupe	City of Luling Drainage Improvements Study	Study of solutions to upgrade undersized stormwater drains and culverts.	11000009, 11000010	Guadalupe, Caldwell	12100203	-	Multiple	Watershed Planning	5.5	Riverine	Luling	Multiple	No	\$150,000	-	74	52	199	0	0	0	6.3	209.5	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100038	11	Guadalupe	City of Martindale Drainage Improvements Study	Study of solutions to upgrade undersized stormwater drains and culverts.	11000009, 11000010	Caldwell	12100203	-	Multiple	Watershed Planning	2.1	Riverine	Martindale	Multiple	No	\$100,000	-	196	167	550	1	3	0	5.5	52.7	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100039	11	Guadalupe	City of Mountain City Repetitive Loss Structure Mitigation Study	Study of solutions to floodproof or otherwise mitigate repetitive loss structures that have been identified by FEMA for the number of flood insurance claims.	11000009, 11000010	Hays	12100203	-	San Marcos	Project Planning	0.5	Riverine	Mountain City	Multiple	No	\$150,000	-	0	0	0	0	0	0	0.0	0.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100043	11	Guadalupe	City of New Braunfels - Box Culvert Installation to Reduce Flood Risk on Bleders Creek, Comal River and Landa Park Project Planning	Project planning for proposed drainage improvements project to reduce flooding in the Bleders Creek and German Creek watersheds by conveying flows to the Guadalupe River. The project is also intended to relieve flooding in the Landa Park area.	11000009, 11000010	Comal	12100202	-	Multiple	Project Planning	15.9	Riverine	New Braunfels	Multiple	No	\$878,000	-	439	138	1,886	2	11	0	7.2	384.6	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100045	11	Guadalupe	City of New Braunfels Dry Comal Creek Tributary East Watershed Project Planning	Study to analyze drainage conveyance and flooding issues within the Dry Comal Creek Tributaries East area (Kerlick Lane/Encino Drive/Mission Drive) and project planning for solutions within project area.	11000009, 11000010	Comal	12100202	-	Multiple	Watershed Planning	9.2	Riverine	New Braunfels	Multiple	No	\$344,000	-	347	91	1,462	0	5	0	5.0	223.4	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100047	11	Guadalupe	City of New Braunfels Hunters Creek Regional Project Planning	Study to analyze drainage conveyance and flooding issues within the Hunters Creek area including the detention facility for the Westpointe development and project planning for solutions within project area.	11000009, 11000010	Comal	12100202	-	Multiple	Watershed Planning	13.7	Riverine	New Braunfels	Multiple	No	\$211,000	-	350	94	1,463	0	6	0	5.1	233.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100048	11	Guadalupe	City of New Braunfels South Guadalupe Tributary Watershed Project Planning	Study to analyze drainage conveyance and flooding issues within the South Guadalupe River tributary area (Mesquite/Eastman/Oleander/Walnut Heights) and project planning for solutions within project area.	11000009, 11000010	Guadalupe, Comal	12100202	-	Multiple	Watershed Planning	4.5	Riverine	New Braunfels	Multiple	No	\$168,000	-	219	173	598	0	4	0	3.1	2.6	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100049	11	Guadalupe	City of New Braunfels Dry Comal Creek West Watershed Project Planning	Project planning for solutions to minimize flooding issues within the Cedar Elm Street, Landa-Madeline drainage area.	11000009, 11000010	Comal	12100202	-	Multiple	Watershed Planning	9.2	Riverine	New Braunfels	Multiple	No	\$126,000	-	347	91	1,462	0	5	0	5.0	223.4	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100051	11	Guadalupe	City of Niederwald Engineering Review of City Hall	Contract a consultation from an engineer to review the new City Hall building to ensure its resiliency (modular building that holds community documents and archives).	11000009, 11000010	Caldwell, Hays	12100203	-	Multiple	Project Planning	3.7	Riverine	Niederwald	Multiple	No	\$10,000	-	9	2	24	0	2	0	1.5	150.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100052	11	Guadalupe	City of Nixon Voluntary Buyout Program Project Planning	Project planning to develop and implement a program to buyout NFIP repetitive loss properties.	11000003, 11000004, 11000009, 11000010	Gonzales, Wilson	12100202	-	Multiple	Project Planning	1.6	Riverine	Nixon	Multiple	No	\$150,000	-	13	6	22	0	0	0	0.1	6.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100054	11	Guadalupe	City of San Marcos Regional Detention Study	Study of solutions for regional detention and water quality strategies.	11000009, 11000010	Guadalupe, Comal, Caldwell, Hays	12100203	-	Multiple	Watershed Planning	112.5	Riverine	San Marcos	Multiple	No	\$200,000	-	3,190	2,281	15,045	15	38	0	71.0	3,684.8	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100055	11	Guadalupe	City of San Marcos Modeling of Purgatory Creek and Willow Springs Creek Overflow Area	2-Dimensional Modeling of the Purgatory Creek and Willow Springs Creek Overflow Area	11000009, 11000010	Hays	12100203	-	Multiple	Watershed Planning	0.4	Riverine	San Marcos	Multiple	No	\$271,000	-	159	130	349	0	0	0	3.0	0.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100056	11	Guadalupe	City of San Marcos Low Water Crossing at Jackman Project Planning	Project planning to replace low water crossing at Jackman	11000001, 11000002	Comal, Hays	12100203	-	Multiple	Project Planning	19.3	Riverine	San Marcos	Multiple	No	\$150,000	-	221	184	1,210	0	2	0	3.6	392.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100057	11	Guadalupe	City of San Marcos Low Water Crossing at Mitchell and Purgatory Creek Project Planning	Project planning to replace low water crossing at Mitchell and Purgatory Creek	11000001, 11000002	Comal, Hays	12100203	-	Multiple	Project Planning	19.3	Riverine	San Marcos	Multiple	No	\$200,000	-	221	184	1,210	0	2	0	3.6	392.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100058	11	Guadalupe	City of San Marcos LWC at River Road and Railroad Trestle/Blanco River Project Planning	Project planning to replace low water crossing at River Road and Railroad Trestle/Blanco River	11000001, 11000002	Hays	12100203	-	Multiple	Project Planning	11.3	Riverine	San Marcos	Multiple	No	\$150,000	-	758	508	5,226	2	4	0	17.9	420.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100059	11	Guadalupe	City of San Marcos LWC at S LBJ and Purgatory Creek Project Planning	Project planning to replace low water crossing at S LBJ and Purgatory Creek	11000001, 11000002	Comal, Hays	12100203	-	Multiple	Project Planning	19.3	Riverine	San Marcos	Multiple	No	\$150,000	-	221	184	1,210	0	2	0	3.6	392.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100060	11	Guadalupe	City of San Marcos - Extension of River Ridge Parkway West Project Planning	Project planning for proposed project identified through the San Marcos Transportation Plan, to increase the ability to divert traffic during flooding events	11000009, 11000010	Hays	12100203	-	Multiple	Project Planning	11.3	Riverine	San Marcos	Multiple	No	\$298,000	-	758	508	5,226	2	4	0	17.9	420.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100064	11	Guadalupe	City of Seguin City-wide Drainage Improvements Project Planning	Project planning to increase Regional Detention, Channel & Drainage System Improvements.	11000009, 11000010	Guadalupe	12100202	-	Multiple	Project Planning	38.3	Riverine	Seguin	Multiple	No	\$200,000	-	846	642	2,283	5	8	0	25.2	1,157.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100065	11	Guadalupe	City of Seguin Voluntary Buyout Program Project Planning	Project planning to develop an acquisition and elevation program in flood hazard areas. Elevate or acquire and demolish repetitive loss properties. Acquire high risk vacant land and maintain as open space.	11000003, 11000004, 11000009, 11000010	Guadalupe	12100202	-	Multiple	Project Planning	38.3	Riverine	Seguin	Multiple	No	\$300,000	-	846	642	2,283	5	8	0	25.2	1,157.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100066	11	Guadalupe	City of Seguin Citywide Drainage Project Planning	Project planning for four priority drainage projects within the City of Seguin that would greatly improve the safety of their 25,520 residents. Project areas include North Guadalupe, North Heideke, Mays Creek and Walnut Branch.	11000009, 11000010	Guadalupe	12100202	-	Multiple	Project Planning	38.3	Riverine	Seguin	Multiple	No	\$4,304,000	-	846	642	2,283	5	8	0	25.2	1,157.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100067	11	Guadalupe	City of Seguin Sewage Treatment Plant Floodproofing Project Planning	Project planning for proposed project to flood-proof sewage treatment plants in flood hazard / low-lying areas.	11000009, 11000010	Guadalupe	12100202	-	Multiple	Project Planning	6.9	Riverine	Seguin	Multiple	No	\$100,000	-	347	306	889	1	1	0	9.0	135.9	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100068	11	Guadalupe	City of Umland Drainage Improvement Project Planning	Project planning for proposed project to mitigate against flooding by increasing the capacity of drainage routes to contain the storm water. Proposed drainage improvements will reduce flood waters backing up into the City.	11000009, 11000010	Caldwell, Hays	12100203	-	Multiple	Project Planning	35.9	Riverine	Umland	Multiple	No	\$1,334,000	-	223	175	599	0	18	0	6.6	1,027.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100069	11	Guadalupe	City of Victoria Drainage Improvement Study	Study of solutions to increase dimensions of drainage culverts in areas prone to flooding and/or drainage problems in various City locations.	11000009, 11000010	Victoria	12100204	-	Multiple	Watershed Planning	50.9	Riverine	Victoria	Multiple	No	\$1,000,000	-	1,313	1,046	3,337	35	1	0	64.1	4,968.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100070	11	Guadalupe	City of Victoria Harden Critical Infrastructure Project Planning	Project planning to harden city buildings, critical infrastructure, and government buildings. Hardening of non-governmental facilities that have been identified as crucial in the response and recovery to/of emergencies and disasters.	11000009, 11000010	Victoria	12100204	-	Multiple	Project Planning	50.9	Riverine	Victoria	Multiple	No	\$100,000	-	1,313	1,046	3,337	35	1	0	64.1	4,968.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100071	11	Guadalupe	City of Victoria Voluntary Buyout Program Project Planning	Project planning to implement a voluntary acquisition program for repetitive flood properties.	11000003, 11000004, 11000009, 11000010	Victoria	12100204	-	Multiple	Project Planning	37.5	Riverine	Victoria	Multiple	No	\$150,000	-	1,139	933	3,181	24	0	0	36.2	110.7	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100072	11	Guadalupe	City of Victoria Flood Gate Project Planning	Project planning for proposed project to rehabilitate, repair, or replace the City of Victoria's existing flood gates, install additional flood gates as appropriate, and construct a storm water lift station in an area to be determined by study.	11000009, 11000010	Victoria	12100204	-	Multiple	Project Planning	50.9	Riverine	Victoria	Multiple	No	\$45,000	-	1,313	1,046	3,337	35	1	0	64.1	4,968.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100073	11	Guadalupe	City of Victoria Regional Drainage Solutions Project Planning	Project planning for proposed project for five regional drainage solutions within the City: the Gardens Apartment diversion, Shenandoah ditch improvements, Anthony Road outfall improvements, Lone Tree Road outfall improvements, and Clegg Ditch outfall.	11000009, 11000010	Victoria	12100204	-	Multiple	Project Planning	50.9	Riverine	Victoria	Multiple	No	\$1,327,962	-	1,313	1,046	3,337	35	1	0	64.1	4,968.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
11100074	11	Guadalupe	City of Victoria - Storm Sewer Improvements Project Planning	Project planning for project to replace storm sewer pipe under 18-inch diameter (29.9 miles). As a result of overland flow analysis and Storm Sewer System Level of Service Analysis, it was determined to replace all pipe less than 18-inch diameter.	11000009, 11000010	Victoria	12100204	-	Multiple	Project Planning	50.9	Riverine	Victoria	Multiple	No	\$3,946,100	-	1,313	1,046	3,337	35	1	0	64.1	4,968.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable 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 active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	RFPG Recommendation (Y/N)	Reason for Recommendation
111000075	11	Guadalupe	City of Victoria Clean and Telesive Storm Sewers Project Planning	Project planning for proposed project to clean and televisive storm sewers (165.7 miles). As a result of overland flow analysis and Storm Sewer System Level of Service Analysis, it was determined to clean and televisive storm sewers.	11000009, 11000010	Victoria	12100204	-	Multiple	Project Planning	37.5	Riverine	Victoria	Multiple	No	\$1,662,106	-	1,139	933	3,181	24	0	0	36.2	110.7	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000076	11	Guadalupe	City of Victoria Regrade Priority Ditches and Driveway Culverts Project Planning	Project planning for proposed drainage improvements. As a result of a roadside ditch capacity evaluation, it was determined that 23 miles of ditch and 669 driveway culverts are negatively impacting conveyance capacity and need to be regraded.	11000009, 11000010	Victoria	12100204	-	Multiple	Project Planning	50.9	Riverine	Victoria	Multiple	No	\$1,165,853	-	1,313	1,046	3,337	35	1	0	64.1	4,968.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000077	11	Guadalupe	City of Victoria Repair Channel Failures & Sediment Removal Project Planning	Project planning for proposed channel improvements. Using field visits and drone footage, it was determined to repair 33,657 sq ft of concreted lined channel, 11,829 sq ft of earthen channel, and remove 227,099 sq ft of sediment.	11000009, 11000010	Victoria	12100204	-	Multiple	Project Planning	50.9	Riverine	Victoria	Multiple	No	\$276,201	-	1,313	1,046	3,337	35	1	0	64.1	4,968.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000078	11	Guadalupe	City of Victoria Stream Restoration Study	Study to implement a stream restoration/channelization program to ensure adequate drainage/diversion of storm water, throughout various City low water crossings, streambeds, creek sheds, tributaries, and riverine areas.	11000009, 11000010	Victoria	12100204	-	Multiple	Watershed Planning	50.9	Riverine	Victoria	Multiple	No	\$500,000	-	1,313	1,046	3,337	35	1	0	64.1	4,968.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000079	11	Guadalupe	City of Waelder Voluntary Buyout Program Project Planning	Project planning to develop and implement a program to buyout NFP repetitive loss properties.	11000003, 11000004, 11000005, 11000010	Gonzales	12100202	-	Middle Guadalupe	Project Planning	1.3	Riverine	Waelder	Multiple	No	\$150,000	-	170	88	207	0	9	0	4.0	4.3	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000080	11	Guadalupe	City of Wimberley Drainage Master Plan	Creation of drainage master plan for City of Wimberley to mitigate the flood hazard by defining priorities, policies, and strategies to address and remedy the drainage needs and challenges in Wimberley.	11000009, 11000010	Hays	12100203	-	Multiple	Watershed Planning	47.7	Riverine	Wimberley	Multiple	No	\$150,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000081	11	Guadalupe	City of Wimberley FM 1492 at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at FM 1492 at Blanco River	11000001, 11000002	Hays	12100203	-	Multiple	Project Planning	47.7	Riverine	Wimberley	Multiple	No	\$100,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000082	11	Guadalupe	City of Wimberley Hidden Valley at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Hidden Valley at Blanco River	11000001, 11000002	Hays	12100203	-	Multiple	Project Planning	47.7	Riverine	Wimberley	Multiple	No	\$100,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000083	11	Guadalupe	City of Wimberley Little Arkansas at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Little Arkansas at Blanco River	11000001, 11000002	Hays	12100203	-	Multiple	Project Planning	47.7	Riverine	Wimberley	Multiple	No	\$100,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000084	11	Guadalupe	City of Wimberley Valley Drive at Pierce Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Valley Drive at Pierce Creek	11000001, 11000002	Hays	12100203	-	Multiple	Project Planning	47.7	Riverine	Wimberley	Multiple	No	\$100,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000085	11	Guadalupe	City of Wimberley Flite Acres Road Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Flite Acres Road	11000001, 11000002	Hays	12100203	-	Multiple	Project Planning	47.7	Riverine	Wimberley	Multiple	No	\$100,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000086	11	Guadalupe	City of Wimberley FM 1492 at Pierce Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at FM 1492 at Pierce Creek	11000001, 11000002	Hays	12100203	-	Multiple	Project Planning	47.7	Riverine	Wimberley	Multiple	No	\$100,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000087	11	Guadalupe	City of Wimberley Wilson Creek at River Road Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Wilson Creek at River Road	11000001, 11000002	Hays	12100203	-	Multiple	Project Planning	47.7	Riverine	Wimberley	Multiple	No	\$100,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000088	11	Guadalupe	City of Wimberley Green Acres Dr. at Fire Station Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Green Acres Dr. at Fire Station	11000001, 11000002	Hays	12100203	-	Multiple	Project Planning	47.7	Riverine	Wimberley	Multiple	No	\$100,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000089	11	Guadalupe	City of Wimberley Leveritt's Loop Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Leveritt's Loop	11000001, 11000002	Hays	12100203	-	Multiple	Project Planning	47.7	Riverine	Wimberley	Multiple	No	\$100,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000090	11	Guadalupe	City of Wimberley Spoke Hollow Dr. at Spoke Pile Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Spoke Hollow Dr. at Spoke Pile Creek	11000001, 11000002	Hays	12100203	-	Multiple	Project Planning	47.7	Riverine	Wimberley	Multiple	No	\$100,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000091	11	Guadalupe	City of Wimberley River Road at Western City Limit Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at River Road at Western City Limit	11000001, 11000002	Hays	12100203	-	Multiple	Project Planning	47.7	Riverine	Wimberley	Multiple	No	\$100,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000092	11	Guadalupe	City of Wimberley Paradise Hills Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Paradise Hills	11000001, 11000002	Hays	12100203	-	Multiple	Project Planning	47.7	Riverine	Wimberley	Multiple	No	\$100,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000093	11	Guadalupe	City of Wimberley River Road Reconstruction Project Planning	Project planning for proposed project to reconstruct roadway along Blanco River	11000009, 11000010	Hays	12100203	-	Multiple	Project Planning	47.7	Riverine	Wimberley	Multiple	No	\$100,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000094	11	Guadalupe	City of Wimberley Little Ranches at Panther Creek Low Water Crossing Project Planning	Project planning for proposed project to reconstruct low water crossing and roadway at Little Ranches at Panther Creek	11000001, 11000002	Hays	12100203	-	Multiple	Project Planning	47.7	Riverine	Wimberley	Multiple	No	\$100,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000095	11	Guadalupe	City of Wimberley Hoots Holler Low Water Crossing Project Planning	Project planning for proposed project to reconstruct low water crossing and roadway at Hoots Holler	11000001, 11000002	Hays	12100203	-	Multiple	Project Planning	47.7	Riverine	Wimberley	Multiple	No	\$100,000	-	771	600	1,553	0	19	0	13.3	859.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000096	11	Guadalupe	Comal County Evacuation and Dam Safety Plan	Develop evacuation and dam safety plan for coordination with USACE and dam re-enforcement.	11000009, 11000010	Comal	12100202, 12100203, 12100201	-	Multiple	Preparedness	573.0	Riverine	Comal	Multiple	No	\$50,000	-	3,677	2,782	9,129	6	77	0	92.6	9,463.3	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000098	11	Guadalupe	Comal County Voluntary Buyout Program Project Planning	Project planning to remediate repetitive losses along the Guadalupe River by acquiring flood damaged structures and converting acquired land to open(green)space.	11000003, 11000004, 11000005, 11000010	Comal	12100202, 12100203, 12100201	-	Multiple	Project Planning	573.0	Riverine	Comal	Multiple	No	\$357,000	-	3,677	2,782	9,129	6	77	0	92.6	9,463.3	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000099	11	Guadalupe	Comal County Retention Dam Project Planning	Project planning for proposed project to design and construct 4 retention dams to assist in controlling flash flooding in municipalities and unincorporated areas of the county.	11000009, 11000010	Comal	12100202, 12100203, 12100201	-	Multiple	Project Planning	573.0	Riverine	Comal	Multiple	No	\$8,000,000	-	3,677	2,782	9,129	6	77	0	92.6	9,463.3	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000100	11	Guadalupe	Comal County Master Water Improvement District River Road Low Water Crossing Improvement Project Planning	Project planning for proposed project to implement low water crossing improvements at River Road.	11000009, 11000010	Comal	12100202, 12100201, 12100203	-	Multiple	Project Planning	148.2	Riverine	Comal Master WID	Multiple	No	\$700,000	-	1,358	858	3,392	4	37	0	27.0	1,833.5	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000101	11	Guadalupe	City of Cuero Drainage Improvements Study	Study of solutions to improve drainage and stormwater system to reduce drainage and flooding issues.	11000009, 11000010	De Witt	12100202, 12100204	-	Multiple	Watershed Planning	6.6	Riverine	Cuero	Multiple	No	\$150,000	-	1,991	1,533	3,213	11	2	0	35.2	116.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000102	11	Guadalupe	City of Cuero City Public Service Station Project Planning	Project planning for proposed project to retrofit or floodproof City Public Service Station currently under renovation. Facility will serve as secondary location for community offices and critical utility service data and equipment	11000009, 11000010	De Witt	12100202, 12100204	-	Multiple	Project Planning	6.6	Riverine	Cuero	Multiple	No	\$100,000	-	1,991	1,533	3,213	11	2	0	35.2	116.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000103	11	Guadalupe	City of Cuero WWPFF Floodproofing Project Planning	Project planning to floodproof/retrofit older components of the Cuero Wastewater Treatment Plant subject to flooding.	11000009, 11000010	De Witt	12100204	-	Lower Guadalupe	Project Planning	0.0	Riverine	Cuero	Multiple	No	\$100,000	-	4	0	2	0	0	0.0	2.5	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements	
111000104	11	Guadalupe	Green DeWitt County Drainage District Channel Improvements Project Planning	Project planning for proposed project to install drop basket structure and reconstruct drainage channels to control flooding and erosion. Structure will assist in stabilizing banks and holding bottoms of channel on grade	11000009, 11000010	De Witt	12100202, 12100204	-	Multiple	Project Planning	6.6	Riverine	Dewitt County Drainage District 1	Multiple	No	\$250,000	-	1,991	1,533	3,213	11	2	0	35.2	116.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable 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 active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	RFPG Recommendation (Y/N)	Reason for Recommendation
111000105	11	Guadalupe	DeWitt County (City of Northheim) Flash Flood Mitigation Project Planning	Project planning for proposed project to construct necessary barriers or berms to reduce impact of runoff from flash floods onto neighborhoods, streams, and impacting community water wells from proposed Pilot Knob landfill.	11000009, 11000010	De Witt	12100204	-	Multiple	Project Planning	0.5	Riverine	Nordheim, De Witt	Multiple	No	\$150,000	-	0	0	0	0	0	0	0.0	0.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000106	11	Guadalupe	Gillespie County Low Water Crossing Improvements Project Planning	Project planning to place automatic warning signs at 35 documented low water crossings in the county	11000001, 11000002	Gillespie	12100203,12100201	-	Multiple	Project Planning	1057.2	Riverine	Gillespie	Multiple	No	\$50,000	-	8	2	22	0	0	0	0.1	347.9	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000107	11	Guadalupe	Gonzales County Voluntary Buyout Program Project Planning	Project planning to develop and implement a program to buyout NFIP repetitive loss properties.	11000003, 11000004, 11000009, 11000010	Gonzales	12100203,12100201	-	Multiple	Project Planning	1066.9	Riverine	Gillespie	Multiple	No	\$150,000	-	1,649	760	2,086	4	55	0	123.7	101,450.5	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000108	11	Guadalupe	Guadalupe-Blanco River Authority FEMA Cooperating Technical Partners (CTP) Modeling and Mapping	GBRA has entered into a partnership with FEMA by which GBRA commissions an engineering firm to perform flood inundation modeling and mapping, and dams in series modeling.	11000009, 11000010	Bandera,Bastrop, Blanco,Caldwell, Calhoun,Comal,D Witt,Fayette,Gill espie,Goliad,Gonzales,Guadalupe, Hays,Karnes,Kendall,Kerr,Lavaca, Refugio,Travis,Victoria,Wilson	12100203,12100201	-	Multiple	Watershed Planning	7876.2	Riverine	Guadalupe-Blanco River Authority	Multiple	No	\$250,000	-	22,831	16,352	55,779	127	467	0	767.5	304,947.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000109	11	Guadalupe	Guadalupe County Drainage Improvements Study	Study of solutions to upgrade undersized stormwater drains and culverts.	11000009, 11000010	Guadalupe	12100202,12100203	-	Multiple	Watershed Planning	713.1	Riverine	Guadalupe	Multiple	No	\$3,000,000	-	5,822	4,851	14,109	14	130	0	116.7	25,477.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000110	11	Guadalupe	Guadalupe County Voluntary Buyout Program Project Planning	Project planning to develop a land acquisition program in flood hazard areas. Acquire and demolish repetitive loss properties. Acquire high risk vacant land and maintain as open space.	11000003, 11000004, 11000009, 11000010	Guadalupe	12100202,12100203	-	Multiple	Project Planning	713.1	Riverine	Guadalupe	Multiple	No	\$150,000	-	5,822	4,851	14,109	14	130	0	116.7	25,477.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000111	11	Guadalupe	Guadalupe County LWC Project Planning	Project planning for proposed project to mark and place electric gates at low water crossings.	11000001, 11000002	Gonzales,Guadalupe,Comal,Caldwell,Hays	12100202,12100203	-	Multiple	Project Planning	786.1	Riverine	Guadalupe	Multiple	No	\$2,000,000	-	7,310	5,879	18,183	15	167	0	179.0	41,053.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000112	11	Guadalupe	Hays County Dam Inundation Maps	Conduct study and work with TCEQ to continue to develop inundation maps for all High Hazard dams.	11000009, 11000010	Guadalupe,Comal,Caldwell,Kendall,Hays,Blanco,Travis	11000099,11000100,11000107,11000101,11000106,11000112,11000097,11000105,11000103,11000116,11000102,11000111,11000110,12100203,11000098,11000095,11000104,11000096	-	Multiple	Preparedness	726.8	Riverine, Coastal	Hays	Multiple	No	\$500,000	-	5,372	3,945	20,150	19	178	0	143.5	26,087.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000113	11	Guadalupe	Hays County Harden Critical Infrastructure Project Planning	Project planning to ensure new structures are structurally reinforced against natural hazards. To include, flood-proofing (if needed), freeboard, higher levels of soil compaction and proper perimeter drainage systems.	11000009, 11000010	Guadalupe,Comal,Caldwell,Kendall,Hays,Blanco,Travis	11000099,11000100,11000107,11000101,11000106,11000112,11000097,11000105,11000103,11000116,11000102,11000111,11000110,12100203,11000098,11000095,11000104,11000096	-	Multiple	Project Planning	726.8	Riverine	Hays	Multiple	No	\$100,000	-	5,372	3,945	20,150	19	178	0	143.5	26,087.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000114	11	Guadalupe	Hays County Drainage Project Planning (Willow Springs Creek between McCarty Lane and Hunter Road)	Project planning for channel improvement and/or property acquisition project to reduce flood damages along Willow Springs Creek from McCarty Lane to Hunter Road.	11000009, 11000010	Guadalupe,Comal,Caldwell,Kendall,Hays,Blanco,Travis	11000099,11000100,11000107,11000101,11000106,11000112,11000097,11000105,11000103,11000116,11000102,11000111,11000110,12100203,11000098,11000095,11000104,11000096	-	Multiple	Project Planning	726.8	Riverine	Hays	Multiple	No	\$800,000	-	5,372	3,945	20,150	19	178	0	143.5	26,087.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000115	11	Guadalupe	Hays County Drainage Project Planning (Willow Springs Creek between Hunter Rd and the Railroad)	Project planning for detention project to reduce flood damages along Willow Springs Creek from Hunter Road to the railroad.	11000009, 11000010	Guadalupe,Comal,Caldwell,Kendall,Hays,Blanco,Travis	11000099,11000100,11000107,11000101,11000106,11000112,11000097,11000105,11000103,11000116,11000102,11000111,11000110,12100203,11000098,11000095,11000104,11000096	-	Multiple	Project Planning	726.8	Riverine	Hays	Multiple	No	\$1,200,000	-	5,372	3,945	20,150	19	178	0	143.5	26,087.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000116	11	Guadalupe	Hays County Southeastern Property Acquisition Project Planning	Project planning for property acquisition project to mitigate repetitive loss flooding where drainage projects were analyzed and deemed ineffective for cost/ benefit reasons in southeastern Hays County.	11000003, 11000004, 11000009, 11000010	Hays	12100202,12100203	-	San Marcos	Project Planning	49.1	Riverine	Hays	Multiple	No	\$800,000	-	1,420	1,067	6,688	12	14	0	25.1	1,058.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000118	11	Guadalupe	Hays County Community Flood Mitigation Project Planning	Hays County Community Flood Mitigation Project Planning	11000009, 11000010	Guadalupe,Comal,Caldwell,Kendall,Hays,Blanco,Travis	11000099,11000100,11000107,11000101,11000106,11000112,11000097,11000105,11000103,11000116,11000102,11000111,11000110,12100203,11000098,11000095,11000104,11000096	-	Multiple	Project Planning	726.8	Riverine	Hays	Multiple	No	\$238,035	-	5,372	3,945	20,150	19	178	0	143.5	26,087.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000119	11	Guadalupe	Hunts ISD Storm Drainage Infrastructure Project Planning	Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	11000009, 11000010	Kerr	12100201	-	Multiple	Project Planning	207.4	Riverine	Hunt ISD	Multiple	No	\$100,000	-	703	315	827	1	47	0	28.5	6,512.1	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000120	11	Guadalupe	Ingram ISD Construct New Storm Drainage Infrastructure	Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	11000009, 11000010	Kerr,Gillespie	12100201	-	Multiple	Project Planning	222.7	Riverine	Ingram ISD	Multiple	No	\$100,000	-	1,342	755	1,869	1	41	0	36.4	7,281.6	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000121	11	Guadalupe	Ingram ISD Improve Existing Storm Drainage Infrastructure	Project planning to upgrade existing storm drainage infrastructure to reduce the potential impacts of future flood events.	11000009, 11000010	Kerr,Gillespie	12100201	-	Multiple	Project Planning	222.7	Riverine	Ingram ISD	Multiple	No	\$100,000	-	1,342	755	1,869	1	41	0	36.4	7,281.6	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000122	11	Guadalupe	Kerr County Center Point Storm Drainage Infrastructure Project Planning	Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	11000009, 11000010	Bandera,Real,Kendall,Kerr,Gillespie	12100201	-	Multiple	Project Planning	834.6	Riverine	Kerr	Multiple	No	\$125,000	-	4,224	2,581	7,638	6	159	0	131.7	29,308.8	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000123	11	Guadalupe	Kerr County Dam Integrity Study	Create a dam integrity study and identify repairs to be made to County dams as necessary.	11000009, 11000010	Bandera,Real,Kendall,Kerr,Gillespie	12100201	-	Multiple	Preparedness	834.6	Riverine	Kerr	Multiple	No	\$500,000	-	4,224	2,581	7,638	6	159	0	131.7	29,308.8	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000124	11	Guadalupe	Kerr ISD Storm Drainage Infrastructure Project Planning	Project planning for proposed project to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	11000009, 11000010	Kerr,Gillespie	12100201	-	Multiple	Project Planning	195.6	Riverine	Kerrville ISD	Multiple	No	\$100,000	-	2,286	1,549	6,511	4	60	0	53.5	4,604.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000126	11	Guadalupe	Travis County Voluntary Buyout Program Project Planning	Project planning to identify and prioritize structures for elevation as flood mitigation. Elevate flood prone structures throughout unincorporated Travis County.	11000003, 11000004, 11000009, 11000010	Travis	12100203	-	Multiple	Project Planning	1020.8	Riverine	Travis	Multiple	No	\$300,000	-	7	7	18	0	1	0	0.1	99.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000127	11	Guadalupe	Upper Guadalupe River Authority Evaluation of Water and Sediment Control Facilities	Study to evaluate the flood benefits and cost-effectiveness of UGRA's existing nine Kerr County facilities. Evaluation would include H&H modeling and financial data to determine flood risk reduction. Results could guide decisions on future facilities.	11000009, 11000010	Bandera,Real,Kendall,Kerr,Gillespie	12100201	-	Multiple	Watershed Planning	834.6	Riverine	Upper Guadalupe River Authority	Multiple	No	\$250,000	-	4,224	2,581	7,638	6	159	0	131.7	29,308.8	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000128	11	Guadalupe	Victoria County Planning and Development Standards Study	Conduct study for the development and implementation of county wide planning & development standards, sub-division rules, infrastructure rules and building / construction codes.	11000005, 11000006	Victoria	12100303,12100204,12100403	-	Multiple	Watershed Planning	886.5	Riverine	Victoria	Multiple	No	\$100,000	-	1,808	1,382	4,019	60	5	0	98.5	33,695.7	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000129	11	Guadalupe	Victoria County Drainage Improvements Study	Study of solutions to increase dimensions of drainage culverts in areas prone to flooding and/or drainage problems, in various county locations.	11000009, 11000010	Victoria	12100204	-	Multiple	Watershed Planning	50.9	Riverine	Victoria	Multiple	No	\$150,000	-	1,313	1,046	3,337	35	1	0	64.1	4,968.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000130	11	Guadalupe	Victoria County FIRMs	Engineering Studies to revise Flood Insurance Rate Maps (FIRMs) throughout the County to establish Base Flood Elevations (BFE) in areas that are currently identified as unstudied Zone As.	11000009, 11000010	Victoria	12100303,12100204,12100403	-	Multiple	Watershed Planning	886.5	Riverine	Victoria	Multiple	No	\$500,000	-	1,808	1,382	4,019	60	5	0	98.5	33,695.7	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements



FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable 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 active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	RFPG Recommendation (Y/N)	Reason for Recommendation
111000169	11	Guadalupe	City of San Marcos USACE Regional Flooding Mitigation Bypass Channel Project Planning	Update existing study for alternatives, preliminary engineering and design of selected alternative	11000009, 11000010	Guadalupe, Caldwell, Hays	12100203		Multiple	Project Planning	23.1	Riverine	San Marcos	Multiple	No	\$740,000	-	1,330	930	6,889	3	12	0	29.8	1,112.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000170	11	Guadalupe	Guadalupe County Drainage Master Plan	Creation of drainage master plan for Guadalupe County, possibly in multiple phases, by watershed	11000009, 11000010	Guadalupe	12100202, 12100203		Multiple	Watershed Planning	713.1	Riverine	Guadalupe	Multiple	No	\$2,500,000	-	5,822	4,851	14,109	14	130	0	116.7	25,477.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000171	11	Guadalupe	City of San Marcos Drainage Master Plan	Creation of a drainage master Plan update for the City of San Marcos, including updates to regulations, policies, and criteria.	11000009, 11000010	Guadalupe, Caldwell, Hays	12100203		Multiple	Watershed Planning	35.6	Riverine	San Marcos	Multiple	No	\$500,000	-	2,270	1,626	12,650	14	12	0	48.1	822.4	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000172	11	Guadalupe	City of San Marcos Atlas 14 H&H Model Updates	Development of new City-Wide (and ETJ) H&H models, using Atlas 14 rainfall data and possible evaluation of flood reduction alternatives.	11000009, 11000010	Guadalupe, Caldwell, Hays	12100203		Multiple	Watershed Planning	35.6	Riverine	San Marcos	Multiple	No	\$1,500,000	-	2,270	1,626	12,650	14	12	0	48.1	822.4	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000173	11	Guadalupe	Kendall County Drainage Master Plan	Creation of drainage master plan for Kendall County	11000009, 11000010	Kendall	12100201, 12100203		Multiple	Watershed Planning	660.6	Riverine	Kendall	Multiple	No	\$500,000	-	1,374	716	1,964	3	28	0	44.4	24,197.7	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000174	11	Guadalupe	City of San Marcos Gauges for Phase 2 of city-wide FEWS	Project planning for installation of 14 additional stream/rain gauges and development of a real time flood warning system throughout the City.	11000009, 11000010	Guadalupe, Caldwell, Hays	12100203		Multiple	Project Planning	35.6	Riverine	San Marcos	Multiple	No	\$2,000,000	-	2,270	1,626	12,650	14	12	0	48.1	822.4	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000175	11	Guadalupe	Comal County Drainage Master Plan	Creation of drainage master plan for Comal County, possibly in multiple phases, by watershed	11000009	Comal	12100201, 12100202, 12100203		Multiple	Watershed Planning	573.0	Riverine	Comal	Multiple	No	\$3,000,000	-	3,677	2,782	9,129	6	77	0	92.6	9,463.3	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000176	11	Guadalupe	Goliad County Drainage Master Plan	Creation of drainage master plan for Goliad County, possibly in multiple phases, by watershed	11000009, 11000010	Goliad	12100204		Multiple	Watershed Planning	857.6	Riverine	Goliad	Multiple	No	\$1,000,000	-	166	57	296	3	3	0	11.7	13,211.4	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000177	11	Guadalupe	City of San Marcos Upper San Marcos Site 4 & 5 Dam Evaluations	This project planning will include a re-evaluation of NRCS dams 4 and 5 with Atlas 14 rainfall and an analysis of potential updates to the dams that could improve flood reduction within the City of San Marcos.	11000009	Guadalupe, Caldwell, Hays	12100203		Multiple	Project Planning	35.6	Riverine	San Marcos	Multiple	No	\$300,000	-	2,270	1,626	12,650	14	12	0	48.1	822.4	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000179	11	Guadalupe	Kerr County Drainage Master Plan	Drainage Master Plan, implemented in multiple phases by watershed, with a focus on developing new Atlas 14 flood risk models and maps, and identification of flood reduction projects	11000009	Kerr	12100201		Multiple	Watershed Planning	770.6	Riverine	Kerr	Multiple	No	\$3,000,000	-	3,831	2,315	7,416	6	158	0	124.1	28,073.9	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000180	11	Guadalupe	Hays County Drainage Master Plan	Drainage Master Plan, implemented in multiple phases by watershed, with a focus on developing new Atlas 14 flood risk models and maps, and identification of flood reduction projects, in guadalupe watershed, approximately half of county footprint	11000009	Hays	12100203		Multiple	Watershed Planning	373.3	Riverine	Hays	Multiple	No	\$1,500,000	-	4,329	3,195	17,647	15	117	0	98.0	10,528.0	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000181	11	Guadalupe	Caldwell County Assessment of Property Buyout Alternatives	Evaluate buyout alternatives for flood problem areas identified within Caldwell County	11000009	Caldwell	12100202, 12100203		Multiple	Project Planning	544.7	Riverine	Caldwell	Multiple	No	\$40,000	-	937	635	2,190	7	40	0	71.2	35,718.5	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000182	11	Guadalupe	City of Seguin Low Water Crossing Study for Ingress and Egress	Study of solutions for drainage improvements at low water crossings and provide additional means of access into single-entry neighborhoods.	11000001, 11000002	Guadalupe	12100202	-	Middle Guadalupe	Watershed Planning	41.2	Riverine	Seguin	Multiple	No	\$1,500,000	-	158	96	307	4	12	0	5.9	1,245.4	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000183	11	Guadalupe	City of Seguin Regional Drainage Master Plan	Identify and develop information for hazard mitigation planning along the channels included in the study.	11000009	Guadalupe	12100202	-	Middle Guadalupe	Watershed Planning	185.8	Riverine	Seguin	Multiple	No	\$1,100,000	-	1,956	1,498	4,550	12	52	0	53.0	5,800.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements
111000184	11	Guadalupe	City of Seguin Regional Drainage Improvements Study	Identify projects that will reduce or eliminate existing flooding risks in the Youngs Creek, Cottonwood Creek, Geronimo Creek and Long Branch-Mill Creek watersheds	11000009, 11000010	Guadalupe	12100202	-	Middle Guadalupe	Watershed Planning	185.8	Riverine	Seguin	Multiple	No	\$500,000	-	1,956	1,498	4,550	12	52	0	53.0	5,800.2	Yes, Unknown	Yes, Unknown	Y	Meets minimum TWDB requirements

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FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associated Goals (ID)	Counties	HUC12s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Estimated Recurring Cost (\$)
113000001	11	Guadalupe	Blanco County Detention on the Blanco River	The proposed dam height of 102 ft. and dam length of 1,840 ft. will provide a maximum storage capacity of approximately 1128 ac-ft.	11000009, 11000010, 11000001, 11000002	Blanco, Hays	-	San Marcos	Dam	6.340	Riverine, Coastal	Blanco County	Blanco County	No	\$18,010,000.00	\$90,000
113000006	11	Guadalupe	City of Kyle Plum Creek Tributary 3 Arbor Knot Dr. Improvement	A proposed culvert improvement has been developed to convey a 1% ACE event. The proposed culvert improvement is to add one additional 8ft x 4ft culvert totaling three culverts at this location, and raising the finished deck elevation by 0.5ft.	11000009, 11000010, 11000001, 11000002	Hays	-	San Marcos	Infrastructure	0.021	Riverine, Coastal	Kyle	Kyle	No	\$557,000.00	\$3,000
113000007	11	Guadalupe	City of Kyle Plum Creek Tributary 4 Sledge Rd. Improvement	The proposed culvert improvement resulted in eight (7ft x 4ft) box culverts, needed to clear the roadway and to alleviate additional backwater flooding.	11000001, 11000002	Hays	-	San Marcos	Infrastructure	0.040	Riverine, Coastal	Kyle	Kyle	No	\$1,149,000.00	\$6,000
113000010	11	Guadalupe	City of Kyle 65ft Channel Modification and Additional Culvert	The channel modifications consists of 65-ft bottom width channel modifications with 4:1 side slopes spanning from the North I-35 frontage road down past Goforth Road to Kym Way.	11000009, 11000010, 11000001, 11000002	Hays	-	San Marcos	Infrastructure	0.195	Riverine, Coastal	Kyle	Kyle	No	\$589,000.00	\$3,000
113000011	11	Guadalupe	City of Kyle Plum Creek Detention Pond Upstream of IH35	This project consists of a detention pond between the railroad track and the South bound I-35 frontage road. Under this proposed alternative a 13-ft high dam wall would be placed on Plum Creek near Kyle Center Drive.	11000009, 11000010, 11000001, 11000002	Hays	-	San Marcos	Detention Pond	0.328	Riverine, Coastal	Kyle	Kyle	No	\$864,000.00	\$4,000
113000015	11	Guadalupe	City of San Marcos Improve Flood Warning Systems	Enhancing stream flow gage network by increasing number of gages throughout community by at least six	11000001, 11000002	Hays	-	San Marcos	Preparedness	25.693	Riverine, Coastal	San Marcos	San Marcos	No	\$339,000.00	\$39,000
113000026	11	Guadalupe	City of San Marcos Purgatory Creek Channel Improvement	The objectives consist of channel improvements along Purgatory Creek to mitigate flooding and integrate projects from the City of San Marcos master plans.	11000009, 11000010, 11000001, 11000002	Hays	-	San Marcos	Channel	0.197	Riverine, Coastal	San Marcos	San Marcos	No	\$22,391,000.00	\$112,000
113000027	11	Guadalupe	City of San Marcos Sherwood/Kingwood Drainage Improvements	Recommendations include improvements to the water, wastewater, drainage utility systems and street pavement of Kingwood Street and Sherwood Drive and a rain garden at the west end of Sherwood Drive.	11000009, 11000010	Hays	-	San Marcos	Infrastructure	0.062	Riverine, Coastal	San Marcos	San Marcos	No	\$5,644,000.00	\$3,000
113000035	11	Guadalupe	City of Seguin Guadalupe Street Automatic Flood Gates	Place automatic flood gates with vehicle detection on inside of flooded area to allow for egress.	11000001, 11000002	Guadalupe	-	Middle Guadalupe	Preparedness	0.007	Riverine, Coastal	Seguin	Seguin	No	\$115,000.00	\$600
113000036	11	Guadalupe	City of Waelder Baldrige Creek Regional Detention Pond	The proposed regional detention pond on Baldrige Creek would be located northwest of the city. It would release runoff at a substantially lower flowrate, resulting in a lower flood elevation.	11000009, 11000010, 11000001, 11000002	Gonzales	-	Middle Guadalupe	Comprehensive	0.968	Riverine, Coastal	Waelder	Waelder	No	\$2,573,000.00	\$14,000
113000037	11	Guadalupe	City of Waelder Baldrige Creek Channel and Culvert Improvement and Detention Pond	The chosen alternative consists of a 50 ft bottom width channel modification with 3:1 side slopes downstream of SH 97 and the addition of two 10' x 10' concrete box culverts.	11000009, 11000010, 11000001, 11000002	Gonzales	-	Middle Guadalupe	Comprehensive	0.295	Riverine, Coastal	Waelder	Waelder	No	\$3,928,000.00	\$20,000
113000039	11	Guadalupe	City of Wimberley Wilson Creek Green Acres Dr. Improvement	A proposed updated culvert geometry consists of 11 box culverts (10ft-12ft) and a raised finished deck elevation (3ft rise).	11000009, 11000010, 11000001, 11000002	Hays	-	San Marcos	Infrastructure	0.017	Riverine, Coastal	Wimberley	Wimberley	No	\$1,246,000.00	\$6,000
113000040	11	Guadalupe	City of Woodcreek Regional Detention South of Mountain Crest Drive	The alternative consists of a 20 ft. tall detention structure with a 175 ac-ft detention capacity. The outflow control would consist of culverts for low flow and an overflow weir for high flow.	11000009, 11000010	Hays	-	San Marcos	Detention Pond	0.171	Riverine, Coastal	Woodcreek	Woodcreek	No	\$964,000.00	\$5,000
113000041	11	Guadalupe	City of Woodcreek Improvements to Brookside Drive Culvert Crossing	The culvert opening will be increased to three 36" concrete pipes to match the culvert capacity just downstream at Brook Meadow Dr. and also involve some minimal re-grading of the stream flowline.	11000009, 11000010, 11000001, 11000002	Hays	-	San Marcos	LWC upgrade	0.001	Riverine, Coastal	Woodcreek	Woodcreek	No	\$38,000.00	\$200
113000042	11	Guadalupe	City of Woodcreek Brookholow Drive Drainage Improvements	The proposed alternative consists of a rip rap ditch along the south side of Brookmeadow Drive, under Overbrook Court and down to Hog Creek. The capacity of the ditch would be enough to hold the most frequent flows	11000009, 11000010	Hays	-	San Marcos	LWC upgrade	0.004	Riverine, Coastal	Woodcreek	Woodcreek	No	\$65,000.00	\$300
113000044	11	Guadalupe	Comal County Regional Detention on Bear Creek	The proposed dam height of 85 ft. and dam length of 620 ft. will provide a maximum storage capacity of approximately 3,375 ac-ft.	11000009, 11000010, 11000001, 11000002	Comal	-	Middle Guadalupe	Detention Pond	393.037	Riverine, Coastal	Comal County	Comal County	No	\$9,179,000.00	\$46,000
113000047	11	Guadalupe	Gonzales County Regional Detention on Peach Creek	A 29 ft. high dam with a length of 5780 ft. would provide approximately 41,774 ac-ft of storage. This site would be able to store a large volume of water and greatly reduce the peak from the Peach Creek watershed.	11000009, 11000010, 11000001, 11000002	Gonzales	-	Middle Guadalupe	Detention Pond	312.511	Riverine, Coastal	Gonzales County	Gonzales County	No	\$39,227,000.00	\$196,000
113000052	11	Guadalupe	Kerr County Back-up Power Generators	Installing generators at critical facilities will help ensure physical safety for facility occupants and maintain electronic systems functionality during power outages. Portable generators will maintain additional systems functionality	11000009, 11000010, 11000001, 11000002	Kerr	-	Upper Guadalupe	Preparedness	23.576	Riverine, Coastal	Kerr County	Kerr County	No	\$806,000.00	\$2,500
113000060	11	Guadalupe	City of Victoria Back-up Power Generators	Install emergency generators and quick connects on all buildings, critical infrastructure, and government buildings.	11000009, 11000010	Victoria	-	Lower Guadalupe	Preparedness	0.005	Riverine	Victoria	Victoria	No	\$551,000.00	\$2,500
113000061	11	Guadalupe	City of Buda Lifschutz Headwaters Voluntary Buyout	Voluntary, targeted buyouts for 1 or more affected properties. (November 11, 2016 Preliminary Engineering Report)	11000009, 11000010, 11000001, 11000002	Hays	-	San Marcos	Property Acquisition	9.727	Riverine, Coastal	Buda	Buda	No	\$565,000.00	\$3,000
113000062	11	Guadalupe	City of Nixon Wastewater System Flood Improvements	The project includes a new generator and SCADA system improvements at the city's WWTP and Water Well 6 and alleviates inundation at the WWTP and 8th lift stations.	11000009, 11000010	Gonzales	-	Middle Guadalupe	Comprehensive	1.352	Riverine, Coastal	Nixon	Nixon	No	\$3,949,000.00	\$2,500
113000063	11	Guadalupe	City of San Marcos Emergency Generators	Purchase and installation of generators for temporary sheltering efforts in all public facilities capable of housing citizens.	11000009, 11000010, 11000001, 11000002	Hays	-	San Marcos	Preparedness	25.668	Riverine, Coastal	San Marcos	San Marcos	No	\$58,000.00	\$2,500
113000064	11	Guadalupe	Victoria County Emergency Generators	Install emergency generators at critical facilities.	11000015, 11000016	Victoria	-	Lower Guadalupe	Preparedness	37.242	Riverine, Coastal	Victoria County	Victoria County	No	\$551,000.00	\$2,500
113000065	11	Guadalupe	City of Seguin Regional Detention Southwest of Seguin City Limits Project	Proposed regional detention detention project on Mays Creek.	11000009, 11000010, 11000001, 11000002	Guadalupe	-	Middle Guadalupe	Detention Pond	0.318	Riverine, Coastal	Seguin	Seguin	No	\$2,015,000.00	\$10,000
113000066	11	Guadalupe	City of Seguin Culvert Improvements at Guadalupe River Drive Project	Proposed project to add two additional 10 ft. by 10 ft. reinforced concrete box culverts on either side of the existing two- 10ft. by 10ft. box culverts at Guadalupe River Dr.	11000009, 11000010, 11000001, 11000002	Guadalupe	-	Middle Guadalupe	LWC upgrade	0.084	Riverine, Coastal	Seguin	Seguin	No	\$594,000.00	\$3,000
113000067	11	Guadalupe	City of Victoria Channel and Bridge Modifications on State Highway 87 Project	Proposed channel and bridge modification project. The design modification consists of adding two additional piers to the right and left overbanks of the bridge.	11000009, 11000010	Victoria	-	Lower Guadalupe	Comprehensive	0.148	Riverine, Coastal	Victoria	Victoria	No	\$8,350,000.00	\$42,000
113000068	11	Guadalupe	City of Victoria Detention Structure Located Upstream of State Highway 87 Project	The proposed detention structure is located upstream of State Highway 87. The detention basin has a proposed height of 11ft from crest to inlet structure, a capacity of 3700 ac-ft, and three culvert outlet structures.	11000009, 11000010, 11000001, 11000002	Victoria	-	Lower Guadalupe	Comprehensive	3.188	Riverine, Coastal	Victoria	Victoria	No	\$58,395,000.00	\$292,000
113000069	11	Guadalupe	Guadalupe County Detention on York Creek Project	Project for detention on York Creek. The currently proposed dam height of 48 ft. and dam length of 4800 ft. will provide a maximum storage capacity of approximately 48,130 ac-ft.	11000009, 11000010, 11000001, 11000002	Guadalupe	-	San Marcos	Comprehensive	365.328	Riverine, Coastal	Guadalupe County	Guadalupe County	No	\$45,376,000.00	\$227,000

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associated Goals (ID)	Counties	HUC12s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Estimated Recurring Cost (\$)
113000070	11	Guadalupe	Victoria County Nursery Road LWC	Improvements consist of five (9ft x 9ft) box culverts and raising the deck elevation to be able to pass the 10% ACE (10-yr) event without overtopping.	11000001, 11000002	Victoria	-	Lower Guadalupe	LWC upgrade	0.108	Riverine	Victoria County	Victoria County	No	\$724,000.00	\$3,900
113000071	11	Guadalupe	Victoria County Parsons Road LWC	Improvements consist of 10 (12ft x 12ft) box culverts and raising the deck elevation to be able to pass the 10% ACE (10-yr) event without overtopping.	11000001, 11000002	Victoria	-	Lower Guadalupe	LWC upgrade	0.134	Riverine	Victoria County	Victoria County	No	\$905,000.00	\$4,800
113000072	11	Guadalupe	Comal County River Road LWC	The proposed improvements include five (7 ft x 7 ft) box culverts to withstand a 10% ACE (10-yr) event while rerouting River Road to protect existing Cypress trees.	11000001, 11000002	Comal	-	Middle Guadalupe	LWC upgrade	0.012	Riverine	Comal County	Comal County	No	\$1,087,000.00	\$5,500
113000073	11	Guadalupe	Kendall County Cypress Creek Detention	Flood reduction analysis focused on identifying regional detention measures within the Cypress Creek watershed to reduce flood risk in and around the town of Comfort, TX.	11000009, 11000010	Kendall,Kerr	-	Upper Guadalupe	Detention Pond	0.761	Riverine	Kendall County	Kendall County	No	\$14,350,000.00	\$72,000
113000074	11	Guadalupe	Caldwell County CR 141 @ Hines Branch	Upgrade existing low water crossing to include box culverts and channel improvements	11000001, 11000002	Caldwell	-	Guadalupe	LWC upgrade	0.221	Riverine	Caldwell County	Caldwell County	No	\$2,893,000.00	\$1,000
113000075	11	Guadalupe	Caldwell County SH 80 Low Water Crossing Improvements @ Morrison Creek	Upgrade existing low water crossing to include culverts, channel improvements, and detention	11000009, 11000010, 11000001, 11000002	Caldwell	-	Guadalupe	Comprehensive	1.849	Riverine	Caldwell County	Caldwell County	No	\$20,224,000.00	\$5,000
113000076	11	Guadalupe	Caldwell County Salt Branch Drainage Improvements in Luling	Expand existing US 183 bridge and upgrade existing LWCs at Walnut and Laurel with box culverts and channel improvements	11000009, 11000010, 11000001, 11000002	Caldwell	-	Guadalupe	Comprehensive	0.281	Riverine	Caldwell County	Caldwell County	No	\$5,798,000.00	\$1,000
113000077	11	Guadalupe	Caldwell County CR 233 and FM 2001 @ Plum Creek	Upgrade existing low water crossing on Polonia Road to include new bridge; channel improvements at FM 2001 and Polonia Road	11000009, 11000010, 11000001, 11000002	Caldwell	-	Guadalupe	Comprehensive	0.797	Riverine	Caldwell County	Caldwell County	No	\$7,934,000.00	\$1,000
113000078	11	Guadalupe	Caldwell County Plum Creek Channel Improvements Near CR 227	Channel Improvements to mitigate residential and commercial flooding near CR 227	11000009, 11000010	Caldwell,Hays	-	Guadalupe	Channel	0.390	Riverine	Caldwell County	Caldwell County	No	\$5,587,000.00	\$1,000
113000079	11	Guadalupe	Caldwell County Hemphill Creek Drainage Improvements Near FM 1984	Channel improvements; Bridge Extension; Bridge conversion; and detention to reduce residential flooding near FM 1984	11000009, 11000010, 11000001, 11000002	Caldwell	-	Guadalupe	Comprehensive	0.615	Riverine	Caldwell County	Caldwell County	No	\$19,790,000.00	\$5,000
113000080	11	Guadalupe	Caldwell County US 183 @ Clear Fork Plum Creek	Expand existing US 183 and Robin Ranch Rd bridge openings; channel improvements	11000009, 11000010	Caldwell	-	Guadalupe	Comprehensive	0.840	Riverine	Caldwell County	Caldwell County	No	\$16,501,000.00	\$1,000
113000081	11	Guadalupe	Caldwell County Brushy Creek Channel Improvements Near Las Estancias II	Channel improvements to reduce residential flooding within Las Estancias II subdivision	11000009, 11000010	Caldwell,Hays	-	Guadalupe	Channel	0.378	Riverine	Caldwell County	Caldwell County	No	\$9,622,000.00	\$1,000
113000082	11	Guadalupe	Caldwell County Boggy Creek Channel Improvements Near SH 142	Channel improvements to reduce residential/commercial flooding near SH142	11000009, 11000010	Caldwell	-	Guadalupe	Channel	0.471	Riverine	Caldwell County	Caldwell County	No	\$6,113,000.00	\$1,000
113000083	11	Guadalupe	Caldwell County CR 218 @ Boggy Creek and Clear Fork Plum Creek	Caldwell County CR 218 @ Boggy Creek and Clear Fork Plum Creek	11000009, 11000010, 11000001, 11000002	Caldwell	-	Guadalupe	LWC upgrade	0.423	Riverine	Caldwell County	Caldwell County	No	\$7,836,000.00	\$1,000
113000084	11	Guadalupe	Caldwell County CR 227 @ Brushy Creek	Upgrade existing low water crossing to include box culverts and channel improvements	11000001, 11000002	Caldwell	-	Guadalupe	LWC upgrade	0.771	Riverine	Caldwell County	Caldwell County	No	\$3,504,000.00	\$1,000
113000085	11	Guadalupe	City of Kerrville First Street Low Water Crossing	8-12' x 8' box culverts, channel improvements, and road raise	11000009, 11000010, 11000001, 11000002	Kerr	-	Upper Guadalupe	LWC upgrade	0.047	Riverine	City of Kerrville	City of Kerrville	No	\$9,467,000.00	\$1,000
113000086	11	Guadalupe	City of Kerrville Fourth Street Low Water Crossing	7-12' x 8' box culverts, channel improvements, and road raise	11000009, 11000010, 11000001, 11000002	Kerr	-	Upper Guadalupe	LWC upgrade	0.025	Riverine	City of Kerrville	City of Kerrville	No	\$5,392,000.00	\$1,000
113000087	11	Guadalupe	City of New Braunfels Nacogdoches and Faust Drainage Improvements	This project involves expanding and adding drainage infrastructure to Faust Avenue and Nacogdoches Avenue to improve runoff collection through a storm sewer to outfall to the Guadalupe River.	11000009, 11000010	Comal	-	Upper Guadalupe	Storm Drain	0.014	Riverine	City of New Braunfels	City of New Braunfels	No	\$18,380,000.00	\$1,000
113000088	11	Guadalupe	City of New Braunfels Castell Avenue Phase 1 Drainage Improvements	The project proposes inlets and pipes to collect storm water runoff along Castell Avenue and a large 10x8 storm box extension to outfall into the Guadalupe River along Coll Street.	11000009, 11000010	Comal	-	Upper Guadalupe	Storm Drain	0.014	Riverine	City of New Braunfels	City of New Braunfels	No	\$6,732,000.00	\$1,000
113000089	11	Guadalupe	Kendall County Cypress Creek FEWS Siren System	This project involves the installation of a siren system on a tower/pole located in the Cypress Creek watershed in Kendall County. Installation would include the siren components as well as power and telecomm connections.	11000001, 11000002	Kendall,Kerr	-	Upper Guadalupe	Preparedness	46.962	Riverine	Kendall County	Kendall County	No	\$20,000.00	\$5,000
113000090	11	Guadalupe	City of San Marcos McKie Street at Willow Springs Creek Improvements	LWC Upgrade (4-8'x6' RCBs, raise road 3') and Channel Improvements (500LF)	11000001, 11000002	Hays	-	San Marcos	LWC upgrade	0.009	Riverine	City of San Marcos	City of San Marcos	No	\$1,044,000.00	\$1,000
113000091	11	Guadalupe	Edwards Aquifer Authority and San Marcos River Foundation Katz Recharge Conservation Easement	Funding for 25% of the acquisition of a conservation easement to catch runoff and avoid future increases in impervious cover to mitigate future floods	11000003, 11000004	Hays	-	San Marcos	Natural	0.109	Riverine	Edwards Aquifer Authority	Edwards Aquifer Authority	No	\$765,000.00	\$0
113000092	11	Guadalupe	Edwards Aquifer Authority and San Marcos River Foundation Peters Recharge Conservation Easement	Funding for 25% of the acquisition of a conservation easement to catch runoff and avoid future increases in impervious cover to mitigate future floods	11000003, 11000004	Hays	-	San Marcos	Natural	0.125	Riverine	Edwards Aquifer Authority	Edwards Aquifer Authority	No	\$606,000.00	\$0
113000093	11	Guadalupe	City of Martindale and San Marcos River Foundation Scull Crossing Flood Mitigation Conservation Easement	Funding for 25% of the acquisition of a conservation easement along the San Marcos River and adjacent crossing which floods. Benefits include riparian preservation, avoiding future increases in impervious cover.	11000003, 11000004	Guadalupe,Caldwell	-	San Marcos	Natural	0.077	Riverine	City of Martindale	City of Martindale	No	\$489,000.00	\$0
113000094	11	Guadalupe	City of Martindale, Caldwell County, and San Marcos River Foundation Berry Riparian Flood Mitigation Conservation Easement	Funding for 50% of the acquisition of a conservation easement along Hemphill Creek. Benefits include riparian preservation, avoiding future increases in impervious cover.	11000003, 11000004	Caldwell	-	San Marcos	Natural	0.084	Riverine	City of Martindale, Caldwell County	City of Martindale, Caldwell County	No	\$120,000.00	\$0
113000095	11	Guadalupe	City of Martindale, Caldwell County, and San Marcos River Foundation Turner Riparian Flood Mitigation Conservation Easement	Funding for 50% of the acquisition of a conservation easement along Hemphill Creek and Morrison Creek. Benefits include riparian preservation, avoiding future increases in impervious cover.	11000003, 11000004	Caldwell	-	San Marcos	Natural	0.065	Riverine	City of Martindale, Caldwell County	City of Martindale, Caldwell County	No	\$245,000.00	\$0
113000096	11	Guadalupe	Blieders Creek Regional Flood Mitigation Project	Installing a multibox culvert to convey the flow from Blieders Creek east to the existing Guadalupe river Tributary #3. Channel improvements are proposed on Tributary #3 from the outfall at Torrey Rd. through to the convergence at the Guadalupe River.	11000009, 11000010, 11000003	Comal	-	Middle Guadalupe	Infrastructure	1.790	Riverine	New Braunfels	City of New Braunfels	No	\$15,000,000.00	\$0

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associated Goals (ID)	Counties	HUC12s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Estimated Recurring Cost (\$)
11300097	11	Guadalupe	Washington Street Drainage Improvements	New underground system along Camp Street with two outfalls, one at Donegan Street and another at Shelby. System designed to convey the 25-yr storm event with full roadway reconstruction, sidewalks, and driveways.	11000009, 11000010	Guadalupe	-	Middle Guadalupe	Storm Drain	0.063	Riverine	Seguin	City of Seguin	No	\$3,880,000.00	\$0
11300098	11	Guadalupe	Walnut Branch Channel Modification	Design and construction alternatives for failures of existing bank stabilization measure at Walnut Springs Park.	11000009, 11000010, 11000003	Guadalupe	-	Middle Guadalupe	Channel	147.078	Riverine	Seguin	City of Seguin	No	\$3,115,000.00	\$0

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Potentially feasible flood mitigation projects recommended by RFPG

Potential Funding Sources and Amount	FMP ID2	Area in 100yr Floodplain	Area in 500yr Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk	Number of low water crossings at flood risk	Estimated number of road closures	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100yr flood risk	Number of structures removed from 100yr flood risk	Number of structures removed from 500yr flood risk	Residential structures removed from 100yr flood risk	Estimated Population removed from 100yr flood risk	Critical facilities removed from 100yr flood risk	Number of low water crossings removed from 100yr flood risk
-	113000001	3.8	0.9	508	417	1,044	0	10	0	8.3	978.3	1939	131	165	107	375	0	0
-	113000006	0.0	0.0	2	2	4	0	0	0	0.0	0.0	2	0	0	0	0	0	0
-	113000007	0.0	0.0	0	0	0	0	0	0	0.1	3.5	0	0	0	0	0	0	0
-	113000010	0.1	0.0	39	34	165	0	1	0	0.8	2.3	9	4	15	4	16	0	0
-	113000011	0.2	0.0	49	43	207	0	2	0	1.1	8.3	10	1	8	1	2	0	0
-	113000015	6.2	2.6	2,278	1,626	12,618	14	12	0	46.9	387.6	0	0	0	0	0	0	0
-	113000026	0.2	0.0	73	53	319	0	1	0	1.4	0.0	5	27	0	27	56	0	1
-	113000027	0.0	0.0	17	14	55	0	0	0	0.3	0.0	15	1	0	1	32	0	0
-	113000035	0.0	0.0	1	1	2	0	0	0	0.1	1.2	0	0	0	0	0	0	0
-	113000036	0.5	0.1	132	69	172	0	5	0	2.5	128.2	11	48	24	35	72	0	3
-	113000037	0.2	0.0	122	68	169	0	4	0	2.2	6.7	7	87	42	56	131	0	4
-	113000039	0.0	0.0	2	2	5	0	1	0	0.1	0.0	2	0	0	0	0	0	0
-	113000040	0.1	0.0	33	28	64	0	0	0	0.6	0.0	14	8	0	8	17	0	0
-	113000041	0.0	0.0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0	0
-	113000042	0.0	0.0	7	7	14	0	0	0	0.1	0.0	0	0	0	0	0	0	0
-	113000044	282.6	24.5	9,789	7,399	20,781	85	19	0	250.1	80,411.7	4825	159	55	112	456	0	0
-	113000047	229.4	17.3	3,965	2,562	6,140	72	12	0	157.3	65,348.5	1447	12	1	12	34	0	0
-	113000052	4.3	2.3	1,522	1,050	5,950	4	20	0	30.6	193.3	0	0	0	0	0	0	0
-	113000060	0.0	0.0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0	0
-	113000061	0.1	0.0	22	19	59	0	1	0	1.0	10.3	0	1	0	0	0	0	0
-	113000062	0.1	0.0	13	6	22	0	0	0	0.1	7.8	0	0	0	0	0	0	0
-	113000063	6.2	2.6	2,275	1,624	12,613	14	11	0	46.0	384.7	0	0	0	0	0	0	0
-	113000064	5.2	1.1	1,134	931	3,153	24	0	0	35.9	101.6	0	0	0	0	0	0	0
-	113000065	0.2	0.0	20	19	42	0	1	0	0.4	28.0	4	8	3	8	19	0	1
-	113000066	0.1	0.0	16	15	37	0	0	0	0.3	7.8	4	6	3	6	13	0	1
-	113000067	0.1	0.0	2	2	2	0	0	0	0.1	67.8	2	2	0	2	4	0	0
-	113000068	2.9	0.2	56	42	146	0	3	0	3.2	640.6	2	38	0	29	52	0	0
-	113000069	271.6	20.4	4,637	2,953	7,280	76	16	0	189.0	85,276.0	1622	100	95	80	287	0	0

Potentially feasible flood mitigation projects recommended by RFPG

Potential Funding Sources and Amount	FMP ID2	Area in 100yr Floodplain	Area in 500yr Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk	Number of low water crossings at flood risk	Estimated number of road closures	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100yr flood risk	Number of structures removed from 100yr flood risk	Number of structures removed from 500yr flood risk	Residential structures removed from 100yr flood risk	Estimated Population removed from 100yr flood risk	Critical facilities removed from 100yr flood risk	Number of low water crossings removed from 100yr flood risk
-	113000070	0.1	0.0	4	4	8	0	0	2	0.2	5.8	2	0	0	0	0	0	0
-	113000071	0.1	0.0	2	2	2	0	1	5	0.1	8.6	2	0	0	0	0	0	0
-	113000072	0.0	0.0	0	0	0	0	1	5	0.0	1.6	0	0	0	0	0	0	0
-	113000073	0.7	0.0	268	192	380	0	1	0	6.2	196.7	161	3	0	3	5	0	0
-	113000074	0.1	0.0	0	0	0	0	0	0	0.2	72.1	0	0	0	0	0	0	0
-	113000075	0.9	0.2	9	8	31	0	0	0	0.6	195.3	11	10	0	10	17	0	3
-	113000076	0.1	0.0	11	6	52	0	0	0	1.6	11.1	10	0	0	0	0	0	2
-	113000077	0.4	0.0	5	2	8	0	1	0	1.0	182.6	4	1	0	1	1	0	0
-	113000078	0.3	0.0	8	2	10	0	0	0	0.0	52.4	6	4	0	2	2	0	0
-	113000079	0.2	0.1	1	1	1	0	1	0	0.6	30.6	16	10	0	10	28	0	1
-	113000080	0.2	0.1	3	0	150	3	0	0	0.4	53.0	23	17	0	0	128	0	0
-	113000081	0.2	0.0	0	0	0	0	0	0	0.1	7.4	11	11	0	11	17	0	0
-	113000082	0.1	0.0	2	2	4	0	0	0	0.6	30.8	4	2	0	0	4	0	0
-	113000083	0.1	0.0	0	0	0	0	0	0	0.5	41.3	1	0	0	0	0	0	0
-	113000084	0.5	0.0	0	0	0	0	1	0	0.4	46.6	0	0	0	0	0	0	0
-	113000085	0.0	0.0	66	65	142	0	1	0	0.7	0.0	7	11	23	11	33	0	1
-	113000086	0.0	0.0	20	19	49	0	1	0	0.2	0.0	0	1	1	1	3	0	1
-	113000087	0.0	0.0	0	0	0	0	1	1	0.5	0.0	198	206	0	193	629	0	0
-	113000088	0.0	0.0	0	0	0	0	0	1	0.5	0.0	20	32	0	14	60	0	0
-	113000089	4.8	1.7	377	252	511	0	12	0	11.6	2,576.8	0	0	0	0	0	0	0
-	113000090	0.0	0.0	0	0	0	0	0	40	0.1	0.0	0	0	0	0	0	0	0
-	113000091	0.0	0.0	0	0	0	0	0	0	0.0	2.2	0	0	0	0	0	0	0
-	113000092	0.0	0.0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0	0
-	113000093	0.1	0.0	5	2	22	0	0	0	0.0	27.1	0	0	0	0	0	0	0
-	113000094	0.1	0.0	0	0	0	0	0	0	0.0	4.0	0	0	0	0	0	0	0
-	113000095	0.1	0.0	0	0	0	0	0	0	0.0	4.2	0	0	0	0	0	0	0
-	113000096	0.3	0.0	77	37	653	0	5	0	2.8	1.5	30	14	0	8	44	0	0

Potentially feasible flood mitigation projects recommended by RFPG

Potential Funding Sources and Amount	FMP ID2	Area in 100yr Floodplain	Area in 500yr Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk	Number of low water crossings at flood risk	Estimated number of road closures	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)	Number of structures with reduced 100yr flood risk	Number of structures removed from 100yr flood risk	Number of structures removed from 500yr flood risk	Residential structures removed from 100yr flood risk	Estimated Population removed from 100yr flood risk	Critical facilities removed from 100yr flood risk	Number of low water crossings removed from 100yr flood risk	
-	113000097	0.0	0.0	26	9	326	0	0	0	0.9	0.0	7	0	0	0	0	0	0	0
-	113000098	0.1	2.5	32	14	347	0	0	0	1.1	0.0	8	0	0	0	0	0	0	0

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Estimated reduction in road closure occurrences	FMP ID3	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)	Pre-Project Level-of-Service	Post-Project Level-of-Service	Cost/ Structure removed	Percent Nature-based Solution (by cost)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
0	113000001	0.0	0.0	Unknown	Unknown	50-year	100-year	\$137,481	1.40	No	-	0.18	Yes	15,181	0.74	Yes	Meets minimum TWDB requirements
1	113000006	1.0	0.0	Unknown	Unknown	10-year	25-year	-	1.00	No	-	0.36	No	874	0.10	Yes	Meets minimum TWDB requirements
0	113000007	1.0	0.0	Unknown	Unknown	2-year	25-year	-	10.00	No	-	0.24	No	209	0.10	Yes	Meets minimum TWDB requirements
0	113000010	0.0	0.0	Unknown	Unknown	50-year	100-year	\$147,250	27.80	No	-	0.34	No	133,799	1.73	Yes	Meets minimum TWDB requirements
0	113000011	0.0	0.0	Unknown	Unknown	50-year	100-year	\$864,000	10.90	No	-	0.34	No	162,409	1.51	Yes	Meets minimum TWDB requirements
0	113000015	0.0	0.0	Unknown	Unknown	-	-	-	0.00	No	-	0.59	No	-	0.00	Yes	Meets minimum TWDB requirements
0	113000026	1.0	0.0	Unknown	Unknown	50-year	100-year	\$829,296	2.20	No	-	0.54	No	19,721	0.11	Yes	Meets minimum TWDB requirements
0	113000027	0.0	0.0	Unknown	Unknown	10-year	25-year	\$5,644,000	2.00	No	-	0.63	No	10,950	0.80	Yes	Meets minimum TWDB requirements
0	113000035	0.0	0.0	Unknown	Unknown	-	-	-	0.00	No	-	0.49	No	2,864	0.00	Yes	Meets minimum TWDB requirements
0	113000036	1.0	0.0	Unknown	Unknown	25-year	100-year	\$53,604	6.00	No	-	0.72	No	3,800	1.19	Yes	Meets minimum TWDB requirements
0	113000037	1.0	0.0	Unknown	Unknown	25-year	100-year	\$45,149	5.00	No	-	0.72	No	1,700	0.78	Yes	Meets minimum TWDB requirements
0	113000039	0.0	0.0	Unknown	Unknown	5-year	100-year	-	2.00	No	-	0.22	No	1,354	0.10	Yes	Meets minimum TWDB requirements
0	113000040	0.0	0.0	Unknown	Unknown	10-year	100-year	\$120,500	13.40	No	-	0.11	No	1,965	0.98	Yes	Meets minimum TWDB requirements
0	113000041	0.0	0.0	Unknown	Unknown	2-year	10-year	-	0.00	No	-	0.22	No	470	0.10	Yes	Meets minimum TWDB requirements
0	113000042	0.0	0.0	Unknown	Unknown	2-year	10-year	-	1.50	No	-	0.11	No	1,495	0.01	Yes	Meets minimum TWDB requirements
0	113000044	0.0	0.0	Unknown	Unknown	50-year	100-year	\$57,730	1.30	No	-	0.54	Yes	385,115	2.64	Yes	Meets minimum TWDB requirements
0	113000047	0.0	0.0	Unknown	Unknown	50-year	100-year	\$3,268,917	1.90	No	-	0.66	Yes	95,935	0.15	Yes	Meets minimum TWDB requirements
0	113000052	0.0	0.0	Unknown	Unknown	-	-	-	0.00	No	-	0.56	No	-	0.00	Yes	Meets minimum TWDB requirements
0	113000060	0.0	0.0	Unknown	Unknown	-	-	-	0.00	No	-	0.66	No	-	0.00	Yes	Meets minimum TWDB requirements
0	113000061	0.0	0.0	Unknown	Unknown	-	-	\$565,000	100.00	No	-	0.12	No	-	0.30	Yes	Meets minimum TWDB requirements
0	113000062	0.0	0.0	Unknown	Unknown	-	-	-	0.00	No	-	0.68	No	-	0.00	Yes	Meets minimum TWDB requirements
0	113000063	0.0	0.0	Unknown	Unknown	-	-	-	0.00	No	-	0.59	No	-	0.00	Yes	Meets minimum TWDB requirements
0	113000064	0.0	0.0	Unknown	Unknown	-	-	-	0.00	No	-	0.54	No	-	0.00	Yes	Meets minimum TWDB requirements
0	113000065	1.0	0.0	Unknown	Unknown	25-year	100-year	\$251,875	13.70	No	-	0.49	No	13,416	1.17	Yes	Meets minimum TWDB requirements
0	113000066	1.0	0.0	Unknown	Unknown	10-year	50-year	\$99,000	4.20	No	-	0.49	No	2,864	1.28	Yes	Meets minimum TWDB requirements
0	113000067	0.0	0.0	Unknown	Unknown	100-year	100-year	\$4,175,000	2.80	No	-	0.13	No	8,714	0.25	Yes	Meets minimum TWDB requirements
0	113000068	0.0	0.0	Unknown	Unknown	50-year	100-year	\$1,536,711	1.30	No	-	0.27	No	38,010	0.10	Yes	Meets minimum TWDB requirements
0	113000069	0.0	0.0	Unknown	Unknown	50-year	100-year	\$453,760	1.60	No	-	0.67	Yes	166,047	0.52	Yes	Meets minimum TWDB requirements



Estimated reduction in road closure occurrences	FMP ID3	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)	Pre-Project Level-of-Service	Post-Project Level-of-Service	Cost/ Structure removed	Percent Nature-based Solution (by cost)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
2	113000070	0.0	0.0	Unknown	Unknown	2-year	10-year	-	1.10	No	-	0.13	No	349	1.10	Yes	Meets minimum TWDB requirements
5	113000071	0.0	0.0	Unknown	Unknown	<2-year	10-year	-	0.60	No	-	0.39	No	1,225	2.80	Yes	Meets minimum TWDB requirements
5	113000072	0.0	0.0	Unknown	Unknown	<2-year	10-year	-	0.70	No	-	0.34	No	1,495	1.60	Yes	Meets minimum TWDB requirements
0	113000073	0.0	0.0	Unknown	Unknown	~75-year	100-year	\$4,783,333	0.60	No	-	0.46	Yes	9,773	1.05	Yes	Meets minimum TWDB requirements
0	113000074	0.0	0.0	Unknown	Unknown	-	-	-	5.00	No	-	0.17	No	71	0.20	Yes	Meets minimum TWDB requirements
0	113000075	0.0	0.0	Unknown	Unknown	100 year	100 year	\$2,022,400	5.00	Yes	Yes	0.62	No	7,442	0.50	Yes	Meets minimum TWDB requirements
0	113000076	0.0	0.0	Unknown	Unknown	-	100 year	-	5.00	No	-	0.70	No	105	0.70	Yes	Meets minimum TWDB requirements
0	113000077	0.0	0.0	Unknown	Unknown	-	2 year	\$7,934,000	5.00	No	-	0.61	No	55	0.50	Yes	Meets minimum TWDB requirements
0	113000078	0.0	0.0	Unknown	Unknown	-	-	\$1,396,750	5.00	No	-	0.61	No	0	0.10	Yes	Meets minimum TWDB requirements
0	113000079	1.0	0.0	Unknown	Unknown	-	100 year	\$1,979,000	5.00	Yes	Yes	0.62	No	1,776	0.40	Yes	Meets minimum TWDB requirements
0	113000080	0.0	0.0	Unknown	Unknown	-	-	\$970,647	5.00	No	-	0.61	No	8,987	0.10	Yes	Meets minimum TWDB requirements
0	113000081	0.0	0.0	Unknown	Unknown	-	-	\$874,727	5.00	No	-	0.61	No	0	0.10	Yes	Meets minimum TWDB requirements
0	113000082	0.0	0.0	Unknown	Unknown	-	-	\$3,056,500	5.00	No	-	0.24	No	232	0.10	Yes	Meets minimum TWDB requirements
0	113000083	0.0	0.0	Unknown	Unknown	-	2 year	-	5.00	No	-	0.24	No	31	0.02	Yes	Meets minimum TWDB requirements
0	113000084	0.0	0.0	Unknown	Unknown	-	2 year	-	5.00	No	-	0.61	No	94	2.30	Yes	Meets minimum TWDB requirements
0	113000085	0.0	0.0	Unknown	Unknown	2 year	25 year	\$860,636	0.90	No	-	0.74	No	1,241	0.10	Yes	Meets minimum TWDB requirements
0	113000086	0.0	0.0	Unknown	Unknown	1 year	10 year	\$5,392,000	1.10	No	-	0.74	No	1,500	0.10	Yes	Meets minimum TWDB requirements
1	113000087	0.0	0.0	Unknown	Unknown	-	-	\$89,223	2.50	No	-	0.44	No	908	0.80	Yes	Meets minimum TWDB requirements
1	113000088	0.0	0.0	Unknown	Unknown	-	-	\$210,375	0.00	No	-	0.44	No	2,609	0.40	Yes	Meets minimum TWDB requirements
0	113000089	0.0	0.0	Unknown	Unknown	-	-	-	0.00	No	-	0.46	No	-	0.00	Yes	Meets minimum TWDB requirements
25	113000090	0.0	0.0	Unknown	Unknown	<2 year	2 year	-	3.50	No	-	0.63	No	260	2.40	Yes	Meets minimum TWDB requirements
0	113000091	0.0	0.0	Unknown	Unknown	-	-	-	100.00	No	-	0.60	Yes	-	0.00	Yes	Meets minimum TWDB requirements
0	113000092	0.0	0.0	Unknown	Unknown	-	-	-	100.00	No	-	0.60	Yes	-	0.00	Yes	Meets minimum TWDB requirements
0	113000093	0.0	0.0	Unknown	Unknown	-	-	-	100.00	No	-	0.74	Yes	-	0.00	Yes	Meets minimum TWDB requirements
0	113000094	0.0	0.0	Unknown	Unknown	-	-	-	100.00	No	-	0.67	Yes	-	0.00	Yes	Meets minimum TWDB requirements
0	113000095	0.0	0.0	Unknown	Unknown	-	-	-	100.00	No	-	0.62	Yes	-	0.00	Yes	Meets minimum TWDB requirements
0	113000096	0.5	2.6	Unknown	Unknown	-	-	-	0.00	No	-	0.38	No	-	0.10	Yes	Meets minimum TWDB requirements

Potentially feasible flood mitigation projects recommended by RFPG

Estimated reduction in road closure occurrences	FMP ID3	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)	Pre-Project Level-of-Service	Post-Project Level-of-Service	Cost/ Structure removed	Percent Nature-based Solution (by cost)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
0	113000097	0.0	0.0	Unknown	Unknown	-	-	-	0.00	No	-	0.81	No	-	0.30	Yes	Meets minimum TWDB requirements
0	113000098	0.0	0.0	Unknown	Unknown	-	-	-	0.00	No	-	0.54	No	-	4.80	Yes	Meets minimum TWDB requirements

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**Guadalupe  
Region 11**

**Hydrologic and Hydraulic Models and Studies Associated with FMPs  
No Negative Impact Determinations**

Region Number	RFGP Name	Model ID	Model Name	Model Type	Date Submitted	Submitted with (Draft/Final Plan)	Associated FMX ID
11	Guadalupe	113000000001	2013 Blanco River	HECRAS 4.1.0	4/12/2023	Amended Plan	113000001
11	Guadalupe	113000000006	Plum3	HECRAS 4.1.0	4/12/2023	Amended Plan	113000006
11	Guadalupe	113000000007	PlumCreekTrib4_New	HECRAS 6.3.1	4/12/2023	Amended Plan	113000007
11	Guadalupe	113000000010	PLUMCREEK	HECRAS 4.1.0	4/12/2023	Amended Plan	113000010
11	Guadalupe	113000000011	PLUMCREEK	HECRAS 4.1.0	4/12/2023	Amended Plan	113000011
11	Guadalupe	113000000027	USM_4.2.1_kingwood	Infoworks ICM 10.0.1	4/12/2023	Amended Plan	113000027
11	Guadalupe	113000000036	Baldrige Creek	HECRAS 4.1.0	4/12/2023	Amended Plan	113000036
11	Guadalupe	113000000037	Baldrige Creek	HECRAS 4.1.0	4/12/2023	Amended Plan	113000037
11	Guadalupe	113000000039	WilsonCreek	HECRAS 4.1.0	4/12/2023	Amended Plan	113000039
11	Guadalupe	113000000040	Hog Creek Hydraulics	HECRAS 4.1.0	4/13/2023	Amended Plan	113000040
11	Guadalupe	113000000044	Guadalupe_FEMA2008, Guadalupe_Dewitt, Guadalupe_Gonzales	HECRAS 6.3.1	4/26/2023	Amended Plan	113000044
11	Guadalupe	113000000047	Guadalupe_FEMA2008, Guadalupe_Dewitt, Guadalupe_Gonzales, Iguad, guadalupe, uguad	HECRAS 6.3.1	4/26/2023	Amended Plan	113000047
11	Guadalupe	113000000065	Mays_Creek	HECRAS 4.1.0	4/14/2023	Amended Plan	113000065
11	Guadalupe	113000000066	Mays_Creek	HECRAS 4.1.0	4/14/2023	Amended Plan	113000066
11	Guadalupe	113000000067	SpringCreek	HECRAS 4.1.0	4/13/2023	Amended Plan	113000067
11	Guadalupe	113000000068	SpringCreek	HECRAS 4.1.0	4/13/2023	Amended Plan	113000068
11	Guadalupe	113000000069	Guadalupe_FEMA2008, Guadalupe_Dewitt, Guadalupe_Gonzales, San Marcos River	HECRAS 4.1.0	4/26/2023	Amended Plan	113000069
11	Guadalupe	113000000070	SpringCreek_new	HECRAS 6.3.1	4/14/2023	Amended Plan	113000070
11	Guadalupe	113000000071	SpringCreek_new	HECRAS 6.3.1	4/14/2023	Amended Plan	113000071
11	Guadalupe	113000000072	JacobsCreek	HECRAS 6.3.1	4/14/2023	Amended Plan	113000072
11	Guadalupe	113000000073	Cypress200131	HECRAS 5.0.7	7/10/2023	Amended Plan	113000073
11	Guadalupe	113000000074	CFPP_COP_DraftModel	HECRAS 6.3.0	6/8/2023	Amended Plan	113000074
11	Guadalupe	113000000075	CFPP_MOR	HECRAS 6.3.0	6/8/2023	Amended Plan	113000075
11	Guadalupe	113000000076	CFPP_MCN_Existing	HECRAS 6.3.0	6/8/2023	Amended Plan	113000076
11	Guadalupe	113000000077	PLC	HECRAS 6.3.0	6/12/2023	Amended Plan	113000077
11	Guadalupe	113000000078	PLC	HECRAS 6.3.0	7/6/2023	Amended Plan	113000078

Region Number	RFPG Name	Model ID	Model Name	Model Type	Date Submitted	Submitted with (Draft/Final Plan)	Associated FMX ID
11	Guadalupe	113000000079	CFPP_HEM	HECRAS 6.3.0	7/6/2023	Amended Plan	113000079
11	Guadalupe	113000000080	CFPP_CLFP_Draft	HECRAS 6.3.0	7/5/2023	Amended Plan	113000080
11	Guadalupe	113000000081	CFPP_BRU	HECRAS 6.3.0	7/10/2023	Amended Plan	113000081
11	Guadalupe	113000000082	CFPP_CLFP_Draft	HECRAS 6.3.0	7/5/2023	Amended Plan	113000082
11	Guadalupe	113000000083	CFPP_CLFP_Draft	HECRAS 6.3.0	7/5/2023	Amended Plan	113000083
11	Guadalupe	113000000084	CFPP_BRU	HECRAS 6.3.0	7/10/2023	Amended Plan	113000084
11	Guadalupe	113000000085	First_Street_LWC	HECRAS 5.0.5	7/11/2023	Amended Plan	113000085
11	Guadalupe	113000000086	Fourth_Street_LWC	HECRAS 5.0.5	7/10/2023	Amended Plan	113000086
11	Guadalupe	113000000087	Faust-NacogdochesStormCAD	XPSWMM 2018.1	7/10/2023	Amended Plan	113000087
11	Guadalupe	113000000088	Castell_XPSWMM	XPSWMM 2018.1	7/11/2023	Amended Plan	113000088
11	Guadalupe	113000000090	WillowSpringsCreek	HECRAS 6.3.0	7/10/2023	Amended Plan	113000090
11	Guadalupe	113000000096	Blieders_Ck, Comal_Springs, Guad_Trib_3, New_Channel_Comal_River, Old_Channel_Comal_River,	HECRAS 6.3.1, HECHMS 4.10	1/16/2025	Amended Plan	113000096
11	Guadalupe	113000000097	WalnutBranch	HECRAS 6.0.0	1/16/2025	Amended Plan	113000097
11	Guadalupe	113000000098	WalnutBranch	HECRAS 6.0.0	1/16/2025	Amended Plan	113000098

Region Number	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted	Study Name and Location	Engineer of Record (Optional)	Engineering Judgement Description
11	113000001	Detention on the Blanco River	Yes	None	No	N/A	Yes	Model and Study	113000000001	2013 Blanco River	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 1 Technical Report Notebook (TRN) Appendix E	-	-
11	113000006	Plum Creek Tributary 3 Arbor Knot Dr. Improvement	Yes	None	No	N/A	Yes	Model and Study	113000000006	Plum3	Yes	Guadalupe-Blanco River Authority Flood Protection Planning Study - Phase 3 Final Report	-	-
11	113000007	Plum Creek Tributary 4 Sledge Rd. Improvement	Yes	None	No	N/A	Yes	Model and Study	113000000007	PlumCreekTrib4_New	Yes	Guadalupe-Blanco River Authority Flood Protection Planning Study - Phase 3 Final Report	-	-
11	113000010	65ft Channel Modification and Additional Culvert	Yes	None	No	N/A	Yes	Model and Study	113000000010	PLUMCREEK	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 2 Technical Report Notebook (TRN) Appendix E	-	-
11	113000011	Plum Creek Detention Pond Upstream of IH35	Yes	None	No	N/A	Yes	Model and Study	113000000011	PLUMCREEK	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 2 Technical Report Notebook (TRN) Appendix E	-	-
11	113000015	Improve Flood Warning Systems	N/A	N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A	-	-
11	113000026	Purgatory Creek Channel Improvement	Yes	None	No	N/A	Yes	Study	N/A	N/A	No	Purgatory Creek Channel Improvement Project PER/ City of San Marcos	-	-
11	113000027	Sherwood/Kingwood Drainage Improvements	Yes	None	No	N/A	Yes	Model and Study	113000000027	USM_4.2.1_kingwood	Yes	City of San Marcos Sherwood Drive and Kingwood Street Improvements Preliminary Engineering Report	-	-
11	113000035	Guadalupe Street Automatic Flood Gates	N/A	N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A	-	-
11	113000036	Baldrige Creek Regional Detention Pond	Yes	None	No	N/A	Yes	Model and Study	113000000036	Baldrige Creek	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 2 Technical Report Notebook (TRN) Appendix E	-	-
11	113000037	Baldrige Creek Channel and Culvert Improvement and Detention Pond	Yes	None	No	N/A	Yes	Model and Study	113000000037	Baldrige Creek	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 2 Technical Report Notebook (TRN) Appendix E	-	-
11	113000039	Wilson Creek - Green Acres Dr. Improvement	Yes	None	No	N/A	Yes	Model and Study	113000000039	WilsonCreek	Yes	Guadalupe-Blanco River Authority Flood Protection Planning Study - Phase 3 Final Report	-	-
11	113000040	Regional Detention South of Mountain Crest Drive	Yes	None	No	N/A	Yes	Model and Study	113000000040	Hog Creek Hydraulics	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 1 Technical Report Notebook (TRN) Appendix E	-	-
11	113000041	Improvements to Brookside Drive Culvert Crossing	Yes	None	No	N/A	Yes	Study and Engineering Judgement	N/A	N/A	No	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 1 Technical Report Notebook (TRN) Appendix E	-	Engineering Judgement based on size of project and the fact that they are minor drainage improvements. Any adverse impacts will mitigated during design.
11	113000042	Brookmeadow Drive Drainage Improvements	Yes	None	No	N/A	Yes	Study and Engineering Judgement	N/A	N/A	No	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 1 Technical Report Notebook (TRN) Appendix E	-	Engineering Judgement based on size of project and the fact that they are minor drainage improvements. Any adverse impacts will mitigated during design.
11	113000044	Regional Detention on Bear Creek	Yes	None	No	N/A	Yes	Model and Study	113000000044	Guadalupe_FEMA2008, Guadalupe_Dewitt, Guadalupe_Gonzales	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 1 Technical Report Notebook (TRN) Appendix E	-	-
11	113000047	Regional Detention on Peach Creek	Yes	None	No	N/A	Yes	Model and Study	113000000047	Guadalupe_FEMA2008, Guadalupe_Dewitt, Guadalupe_Gonzales, Iguad, guadalupe, uguad	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 1 Technical Report Notebook (TRN) Appendix E	-	-
11	113000052	Kerr County Back-up Power Generators	N/A	N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A	-	-
11	113000060	City of Victoria Back-up Power Generators	N/A	N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A	-	-
11	113000061	City of Buda-Lifschutz Headwaters Voluntary Buyout	N/A	N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A	-	-
11	113000062	City of Nixon-Wastewater System Flood Improvements	N/A	N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A	-	-
11	113000063	City of San Marcos-Emergency Generators	N/A	N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A	-	-
11	113000064	Victoria County-Emergency Generators	N/A	N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A	-	-
11	113000065	City of Seguin Regional Detention Southwest of Seguin City Limits Project	Yes	None	No	N/A	Yes	Model and Study	113000000065	Mays_Creek	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 2 Technical Report Notebook (TRN) Appendix E	-	-
11	113000066	City of Seguin - Culvert Improvements at Guadalupe River Drive Project	Yes	None	No	N/A	Yes	Model and Study	113000000066	Mays_Creek	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 2 Technical Report Notebook (TRN) Appendix E	-	-
11	113000067	City of Victoria Channel and Bridge Modifications on State Highway 87 Project	Yes	None	No	N/A	Yes	Model and Study	113000000067	SpringCreek	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 2 Technical Report Notebook (TRN) Appendix E	-	-
11	113000068	City of Victoria Detention Structure Located Upstream of State Highway 87 Project	Yes	None	No	N/A	Yes	Model and Study	113000000068	SpringCreek	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 2 Technical Report Notebook (TRN) Appendix E	-	-
11	113000069	Guadalupe County Detention on York Creek Project	Yes	None	No	N/A	Yes	Model and Study	113000000069	Guadalupe_FEMA2008, Guadalupe_Dewitt, Guadalupe_Gonzales, San Marcos River	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 1 Technical Report Notebook (TRN) Appendix E	-	-
11	113000070	Nursery Drive LWC	Yes	None	No	N/A	Yes	Model and Study	113000000070	SpringCreek_new	Yes	Victoria County Nursery Road	-	-
11	113000071	Parsons Road LWC	Yes	None	No	N/A	Yes	Model and Study	113000000071	SpringCreek_new	Yes	Victoria County Parsons Road	-	-
11	113000072	River Road LWC	Yes	None	No	N/A	Yes	Model and Study	113000000072	JacobsCreek	Yes	Comal County River Road	-	-
11	113000073	Kendall County Cypress Creek Detention	Yes	None	No	N/A	Yes	Model and Study	113000000073	Cypress200131	Yes	Kendall County - Cypress Creek Drainage	-	-
11	113000074	Caldwell County CR 141 @ Hines Branch	Yes	None	No	N/A	Yes	Model and Study	113000000074	CFPP_COP_DraftModel	Yes	Caldwell County FIF Study - Summary Memo	-	-
11	113000075	Caldwell County SH 80 Low Water Crossing Improvements @ Morrison Creek	No	Localized WSEL rises between 0.35 ft and 0.50 ft	Yes	These impacts will be resolved during final design or will be contained within an easement or ROW	Yes	Model and Study	113000000075	CFPP_MOR	Yes	Caldwell County FIF Study - Summary Memo	-	-
11	113000076	Caldwell County Salt Branch Drainage Improvements in Luling	Yes	None	No	N/A	Yes	Model and Study	113000000076	CFPP_MCN_Existing	Yes	Caldwell County FIF Study - Summary Memo	-	-
11	113000077	Caldwell County CR 233 and FM 2001 @ Plum Creek	Yes	None	No	N/A	Yes	Model and Study	113000000077	PLC	Yes	Caldwell County FIF Study - Summary Memo	-	-
11	113000078	Caldwell County Plum Creek Channel Improvements Near CR 227	Yes	None	No	N/A	Yes	Model and Study	113000000078	PLC	Yes	Caldwell County FIF Study - Summary Memo	-	-

Region Number	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted	Study Name and Location	Engineer of Record (Optional)	Engineering Judgement Description
11	113000079	Caldwell County Hemphill Creek Drainage Improvements Near FM 1984	No	Localized WSEL rises between 0.35 ft and 0.50 ft	Yes	These impacts will be resolved during final design or will be contained within an easement or ROW	Yes	Model and Study	11300000079	CFPP_HEM	Yes	Caldwell County FIF Study - Summary Memo	-	-
11	113000080	Caldwell County US 183 @ Clear Fork Plum Creek	Yes	None	No	N/A	Yes	Model and Study	11300000080	CFPP_CLFP_Draft	Yes	Caldwell County FIF Study - Summary Memo	-	-
11	113000081	Caldwell County Brushy Creek Channel Improvements Near Las Estancias II	Yes	None	No	N/A	Yes	Model and Study	11300000081	CFPP_BRU	Yes	Caldwell County FIF Study - Summary Memo	-	-
11	113000082	Caldwell County Boggy Creek Channel Improvements Near SH 142	Yes	None	No	N/A	Yes	Model and Study	11300000082	CFPP_CLFP_Draft	Yes	Caldwell County FIF Study - Summary Memo	-	-
11	113000083	Caldwell County CR 218 @ Boggy Creek and Clear Fork Plum Creek	Yes	None	No	N/A	Yes	Model and Study	11300000083	CFPP_CLFP_Draft	Yes	Caldwell County FIF Study - Summary Memo	-	-
11	113000084	Caldwell County CR 227 @ Brushy Creek	Yes	None	No	N/A	Yes	Model and Study	11300000084	CFPP_BRU	Yes	Caldwell County FIF Study - Summary Memo	-	-
11	113000085	City of Kerrville First Street Low Water Crossing	Yes	None	No	N/A	Yes	Model and Study	11300000085	First_Street_LWC	Yes	Kerrville - First Street Memorandum	-	-
11	113000086	City of Kerrville Fourth Street Low Water Crossing	Yes	None	No	N/A	Yes	Model and Study	11300000086	Fourth_Street_LWC	Yes	Kerrville - Fourth Street Memorandum	-	-
11	113000087	City of New Braunfels Nacogdoches and Faust Drainage Improvements	Yes	None	No	N/A	Yes	Model and Study	11300000087	Faust-NacogdochesStormCAD	Yes	New Braunfels - Faust and Nacogdoches - Preliminary Drainage Study Summary Report	-	-
11	113000088	City of New Braunfels Castell Avenue Phase 1 Drainage Improvements	Yes	None	No	N/A	Yes	Model and Study	11300000088	Castell_XPSWMM	Yes	New Braunfels Castell Improvements Tech Memo	-	-
11	113000089	Kendall County Cypress Creek FEWS Siren System	N/A	N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A	-	-
11	113000090	McKie Street at Willow Springs Creek Improvements	Yes	None	No	N/A	Yes	Model and Study	11300000090	WillowSpringsCreek	Yes	San Marcos - McKie St Improvements Memo	-	-
11	113000091	Edwards Aquifer Authority and San Marcos River Foundation Katz Recharge Conservation Easement	N/A	N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A	-	-
11	113000092	Edwards Aquifer Authority and San Marcos River Foundation Peters Recharge Conservation Easement	N/A	N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A	-	-
11	113000093	City of Martindale and San Marcos River Foundation Skull Crossing Flood Mitigation Conservation Easement	N/A	N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A	-	-
11	113000094	City of Martindale, Caldwell County, and San Marcos River Foundation Berry Riparian Flood Mitigation Conservation Easement	N/A	N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A	-	-
11	113000095	City of Martindale, Caldwell County, and San Marcos River Foundation Turner Riparian Flood Mitigation Conservation Easement	N/A	N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A	-	-
11	113000096	Blieders Creek Regional Flood Mitigation Project	Yes	None	No	N/A	Yes	Model and Study	11300000096	Blieders_Ck, Comal_Springs, Guad_Trib_3, New_Channel_Comal_River, Old_Channel_Comal_River, NewBraunfels_DAMP	Yes	Blieders Creek Drainage Diversion	-	-
11	113000097	Washington Street Drainage Improvements	No	N/A	Yes	These impacts will be resolved during final design or will be contained within an easement or ROW	Yes	Study and Engineering Judgement	11300000097	WalnutBranch	Yes	N/A	-	-
11	113000098	Walnut Branch Channel Modification	No	N/A	Yes	These impacts will be resolved during final design or will be contained within an easement or ROW	Yes	Study and Engineering Judgement	11300000098	WalnutBranch	Yes	N/A	-	-

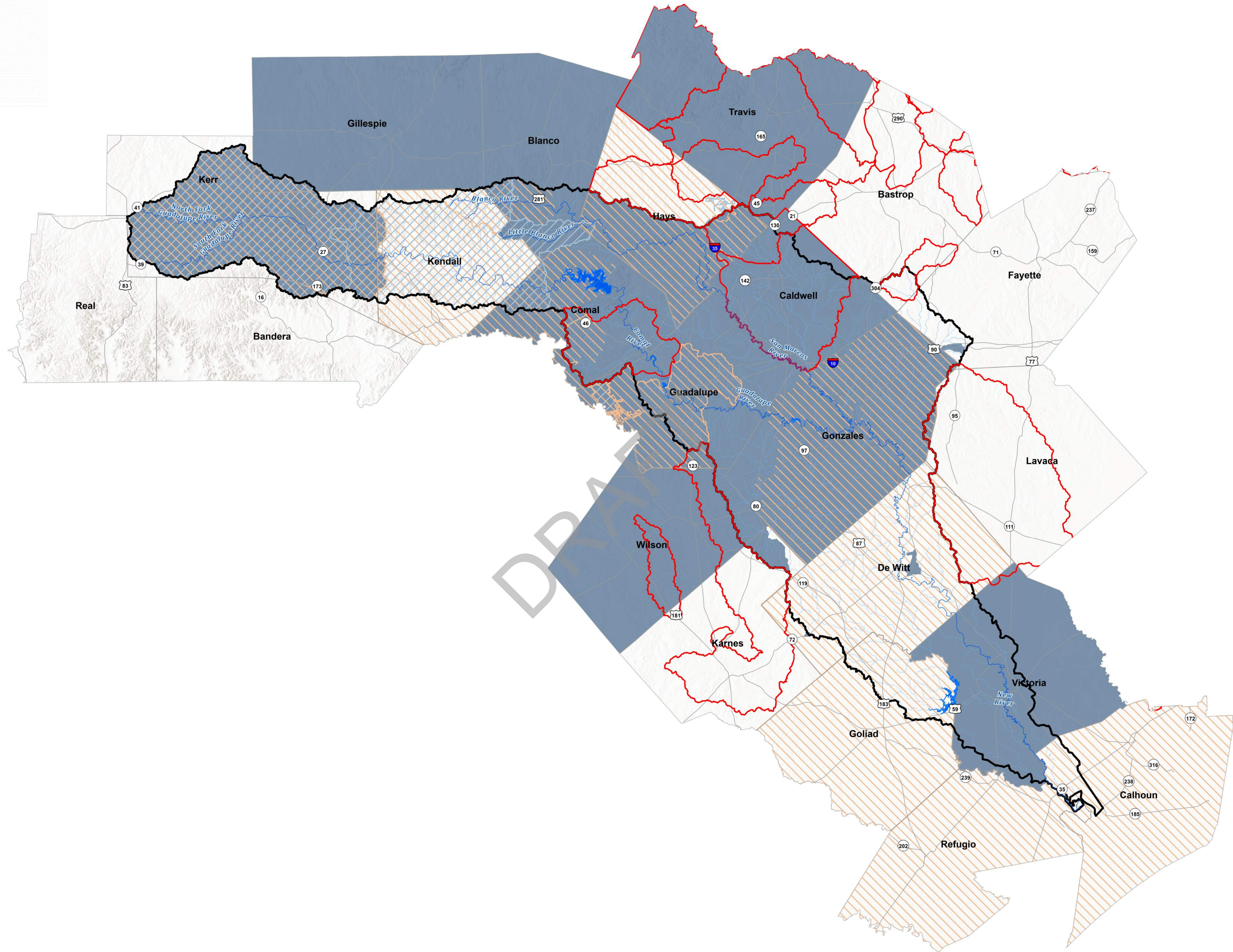
## A.5. MAPS

The following Appendix Maps have been revised for the additional recommend FMEs and FMPs

- Map XX:
- Map XX:
- Map XX

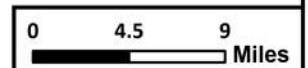
DRAFT





**Legend**

- River
- Tributary
- FIF CAT 1 Project Areas
- Major Reservoirs
- FME Type**
- Preparedness
- Project Planning
- Watershed Planning

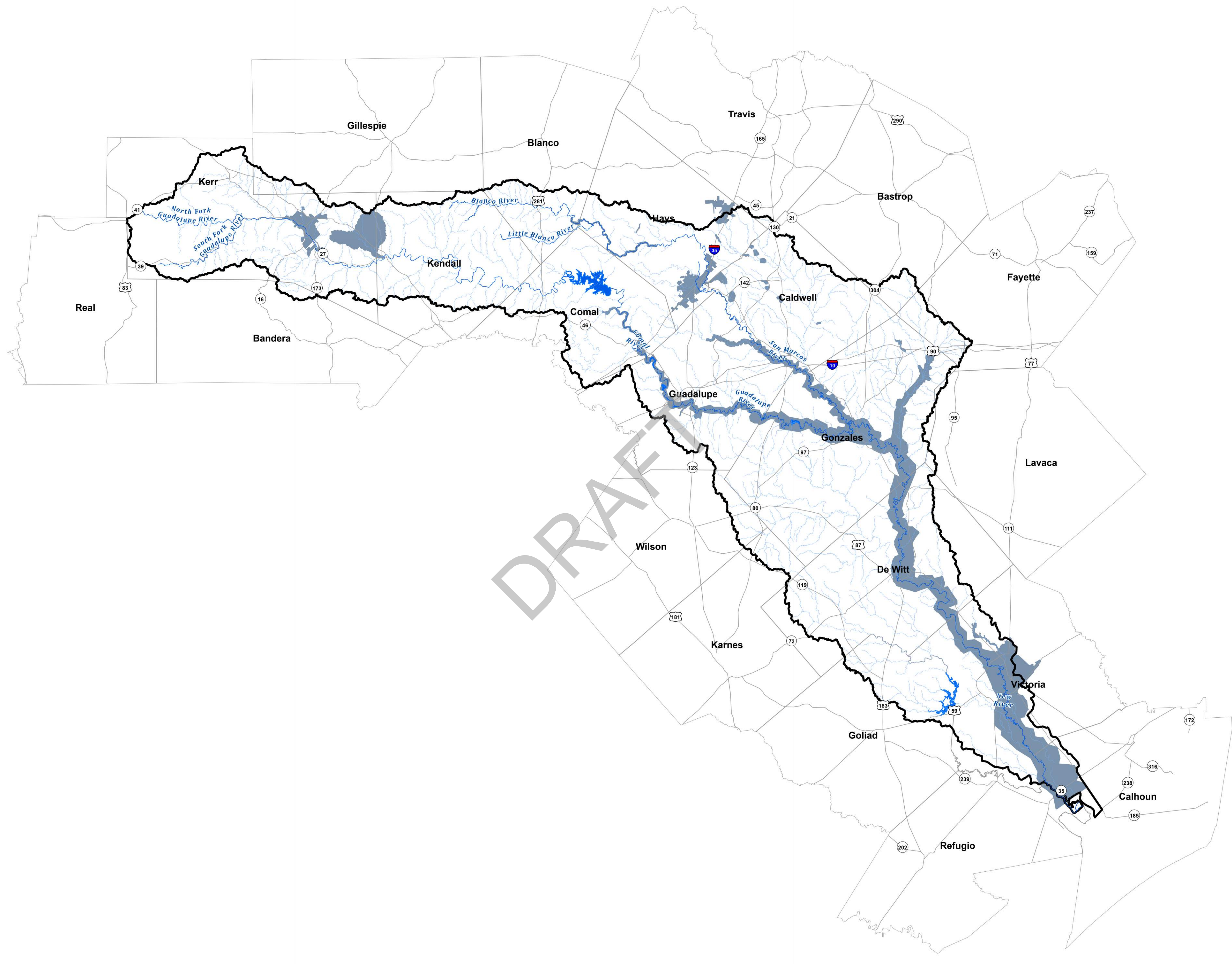


REGION 11 GUADALUPE  
**FRESE NICHOLS**  
 Freese and Nichols, Inc.  
 Office: (512) 617-3100

**Recommended Flood Management Evaluations**  
 Region 11: Guadalupe

PROJECT NO.	GBA21362	<b>Map</b> <b>19</b>
FILE	Maps_13_thru_21	
DATE	6/15/2023	
SCALE	1:570,240	
DRAFTED	08353	

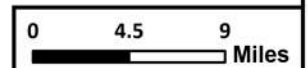




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**Legend**

- River
- Tributary
- Major Reservoirs
- Counties
- FMP Extent

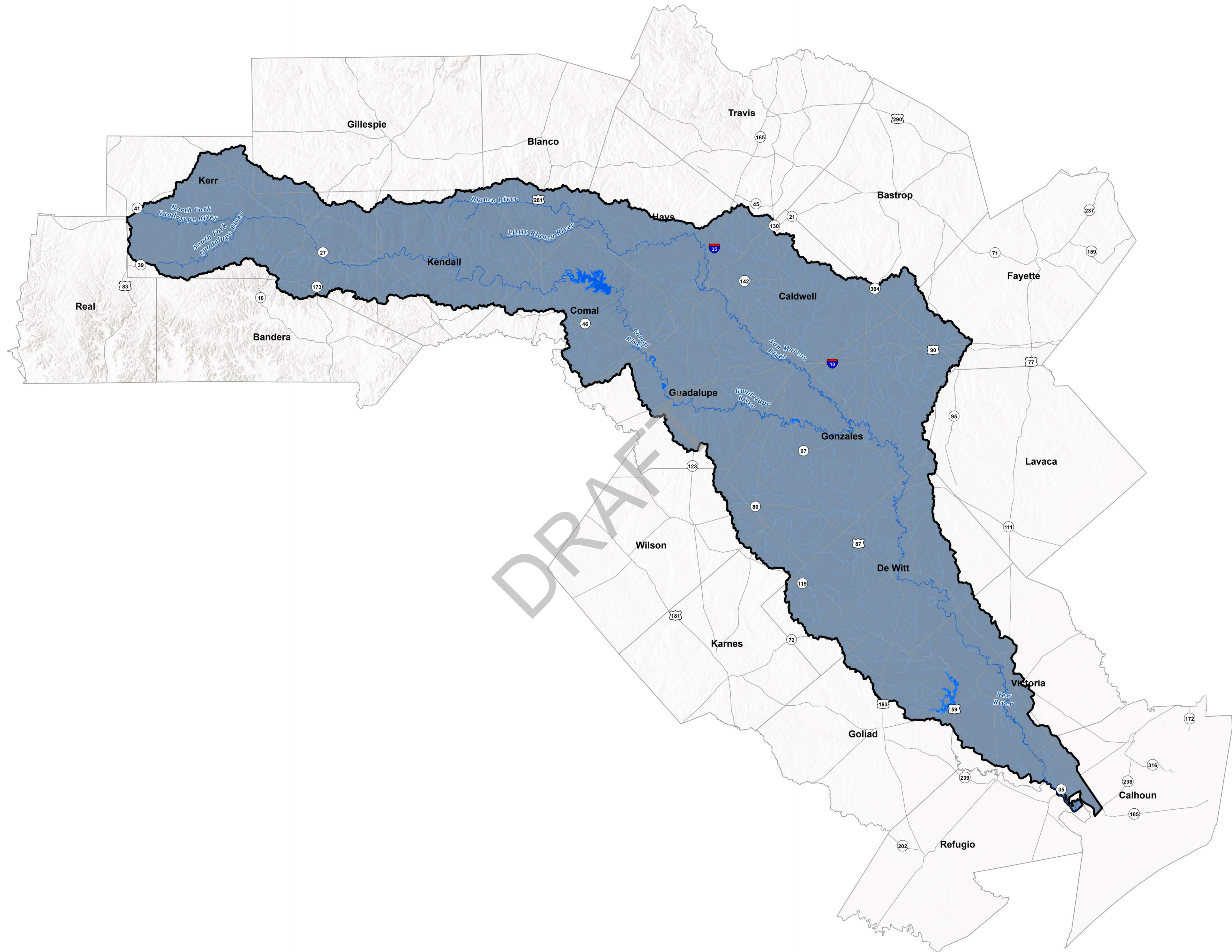


REGION 11 GUADALUPE  
**FRESE NICHOLS**  
 Freese and Nichols, Inc.  
 Office: (512) 617-3100

**Recommended Flood Mitigation Projects**  
 Region 11: Guadalupe

PROJECT NO.	GBA21362	<b>Map</b> <b>20</b>
FILE	Maps_13_thru_21	
DATE	6/15/2023	
SCALE	1:570,240	
DRAFTED	08353	

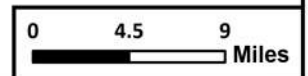






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**Legend**

- River
- Tributary
- Major Reservoirs
- FMS Extent



**Recommended Flood Management Strategies**

Region 11: Guadalupe

PROJECT NO.	GBA21362	<b>Map</b> <b>21</b>
FILE	Maps_13_thru_21	
DATE	6/12/2023	
SCALE	1:570,240	
DRAFTED	02405	



## **A.6. ADDITIONAL DATA**

The following additional datasets have been provided:

- Task 5 Benefit Cost Ratio Calculations – Per additional recommended FMP
- Task 5 FMP One Page Summary Sheets– Per additional recommended FME and FMP

DRAFT

## A.7. MODIFICATIONS AND ADDITIONS TO THE GEODATABASE

A complete geodatabase has been provided in the digital submittal. A summary of revisions is included below and is documented in the Geodatabase log.

File #	Item Name	Feature Class Name	Revision
1	Entities	Entities	No Change
2	Watersheds	<b>Watersheds*</b>	<b>FMP_ID updated</b>
3	Existing Infrastructure	<b>ExFldInfraPol*</b>	<b>FMP_ID updated</b>
4		<b>ExFldInfraLn*</b>	<b>FMP_ID updated</b>
5		<b>ExFldInfraPt*</b>	<b>FMP_ID updated</b>
6	Proposed or Ongoing Flood Mitigation Projects	ExFldProjs	No Change
7	Existing Flood Hazard	ExFldHazard	No Change
8	Flood Mapping Gaps	Ex_Map_Gaps	No Change
9		Fut_Map_Gaps	No Change
10	Model Coverage	<b>ModelCoverage*</b>	<b>32 New Features</b>
11	Existing Exposure	<b>ExFldExpPol*</b>	<b>FMP_ID updated</b>
12		<b>ExFldExpLn*</b>	<b>FMP_ID updated</b>
13		<b>ExFldExpPt*</b>	<b>FMP_ID updated</b>
14		<b>ExFldExpAll*</b>	<b>FMP_ID updated</b>
15	Future Flood Hazard	FutFldHazard	No Change
16	Future Exposure	FutFldExpPol	No Change
17		FutFldExpLn	No Change
18		FutFldExpPt	No Change
19		FutFldExpAll	No Change
20	Existing Floodplain Management Practices	ExFpMP - Table	No Change
21	Goals	Goals - Table	No Change
22	Streams	<b>Streams*</b>	<b>FMP_ID updated</b>
23	Flood Management Evaluations	FME	No Change
24	Flood Mitigation Projects	<b>FMP*</b>	<b>4 New Features</b>
25	Post Project Hazard	<b>FMP_HazPost*</b>	<b>4 New Features</b>
26	Project Details	<b>FMP_Details*</b>	<b>4 New Features</b>
27	Flood Management Strategies	FMS	No Change