



2023 Regional Flood Plan Appendices

Region 11 / Guadalupe

July 2023

List of Appendices

Volume IV – One Pagers

No.	Name
5-B	FME, FMS, FMP One Pagers

Appendix 5-B |

FME One Pagers

Flood Management Evaluation (FME)



Title **Blanco County Low Water Crossing Improvements Study**

ID# **111000001**

Sponsor (name of entity, not person) **Blanco (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal,Kendall,Hays,Gillespie,Blanco** Watershed HUC# (if known) **12100201,12100203**

Drainage area (Square miles, est.) **237** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **272** # of structures **177** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

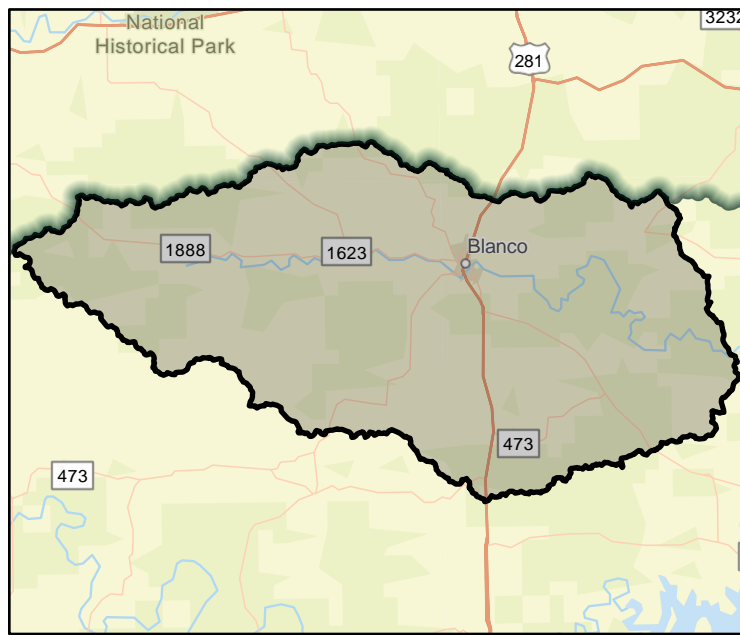
Farm/Ranch land impacted (acres) **5,740** Roadway(s) impacted (length) **16**

Number of low water crossings **33** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Blanco County Soil Conservation Plan**

ID# **111000002**

Sponsor (name of entity, not person) **Blanco (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Blanco** Watershed HUC# (if known) **12100203,12100201**

Drainage area (Square miles, est.) **711** Goal(s) **11000003, 11000004**

100-Year Flood Risk Summary

Population at risk **256** # of structures **167** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

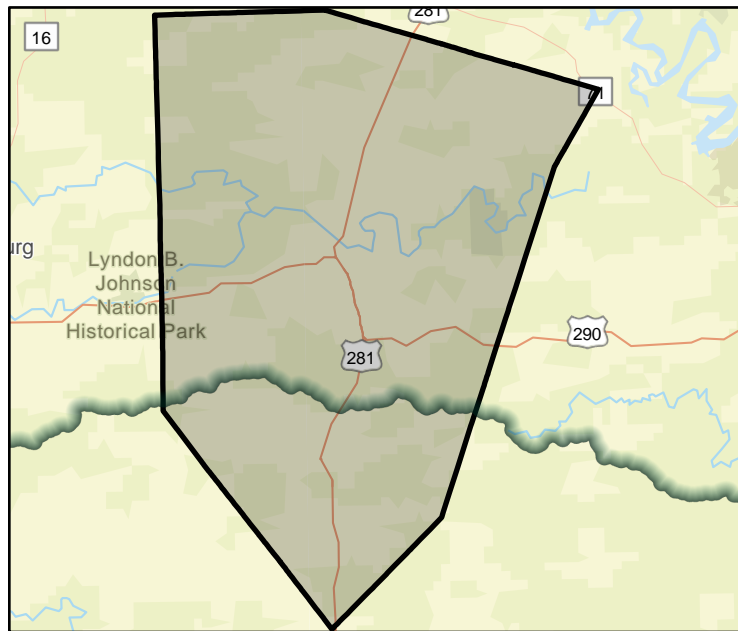
Farm/Ranch land impacted (acres) **4,092** Roadway(s) impacted (length) **14**

Number of low water crossings **30** Historical road closures **-**

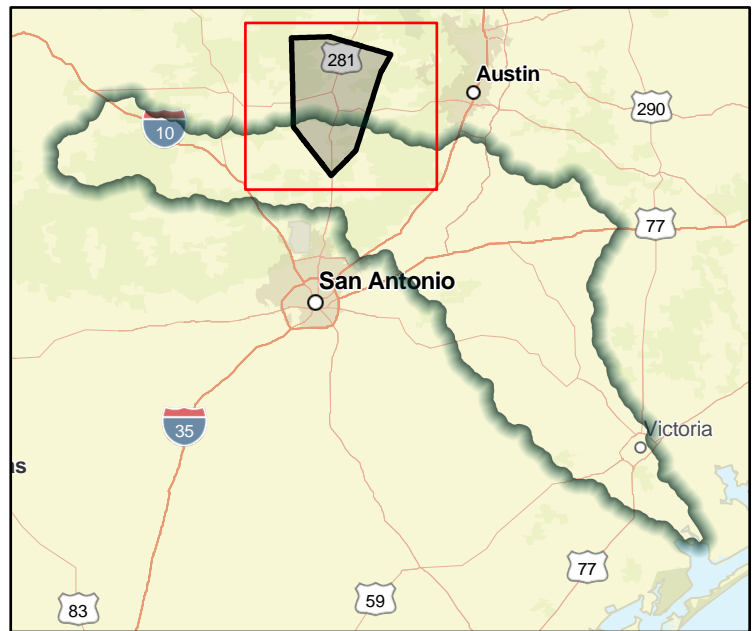
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County Bridge Improvements Project Planning**

ID# **111000003**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Gonzales,Guadalupe,Caldwell,Hays,Bastro** Watershed HUC# (if known) **12100202,12100203**

Drainage area (Square miles, est.) **634** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **5,352** # of structures **2,042** Critical facilities **8**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **42,986** Roadway(s) impacted (length) **101**

Number of low water crossings **102** Historical road closures **-**

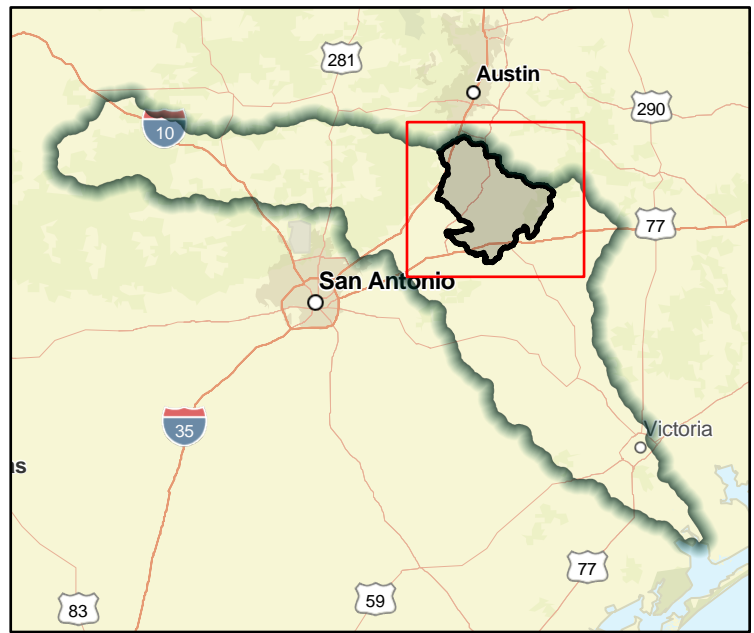
Estimated Cost and Funding Availability

Total Cost **\$256,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County Emergency Service District #1 Drainage and Utility Plan**

ID# **111000004**

Sponsor (name of entity, not person) **Caldwell County Emergency Service District #1**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Develop a drainage and utility plan.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell,Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **111** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **289** # of structures **136** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

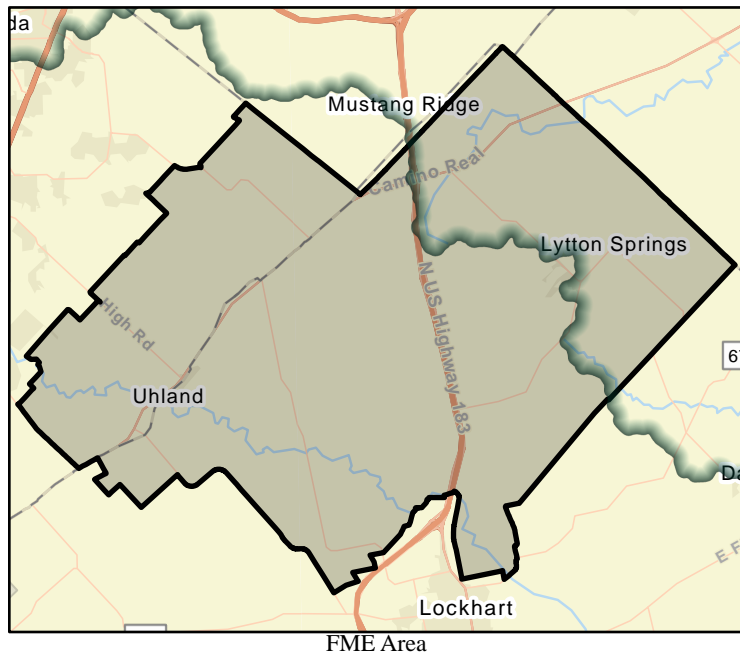
Farm/Ranch land impacted (acres) **4,873** Roadway(s) impacted (length) **11**

Number of low water crossings **13** Historical road closures **-**

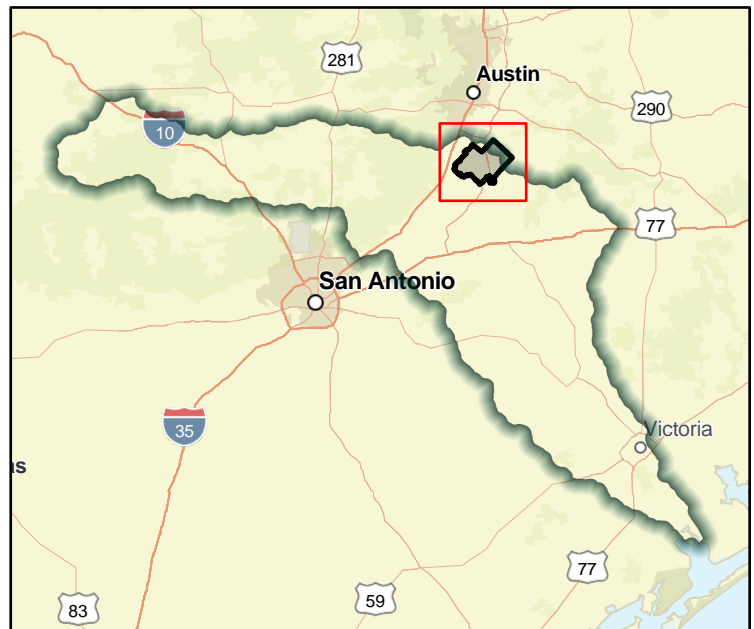
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County Emergency Service District #3 River Crossing Improvements Study**

ID# **111000005**

Sponsor (name of entity, not person) **Caldwell County Emergency Service District #3**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Study solutions to upgrade river crossings throughout the district including but not limited to Scull Road Bridge.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe,Caldwell,Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **62** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **2,021** # of structures **724** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

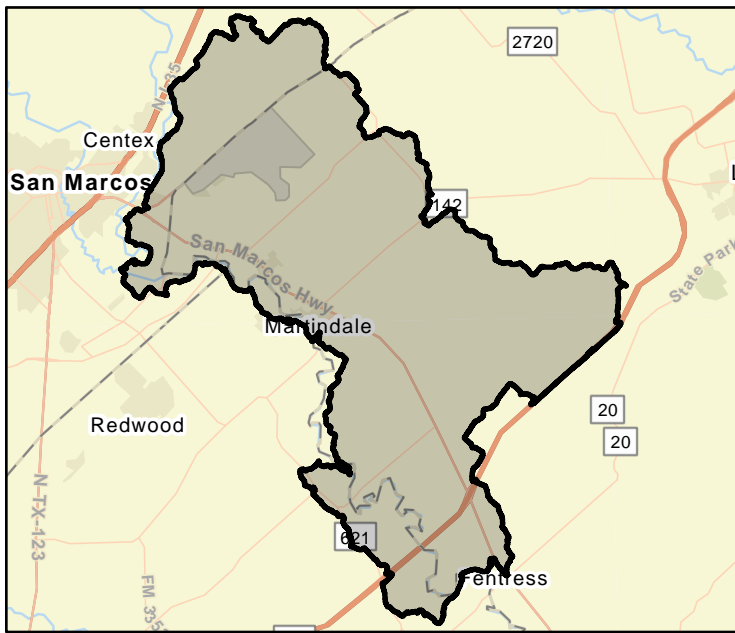
Farm/Ranch land impacted (acres) **5,085** Roadway(s) impacted (length) **23**

Number of low water crossings **13** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title Caldwell County Emergency Service District #3 Repetitive Loss Property Mitigation Study

ID# 111000006

Sponsor (name of entity, not person) Caldwell County Emergency Service District #3

RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type Project Planning

Study description 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.

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes

County Caldwell Watershed HUC# (if known) 12100203

Drainage area (Square miles, est.) 24 Goal(s) 11000009, 11000010

100-Year Flood Risk Summary

Population at risk 1,254 # of structures 465 Critical facilities 1

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

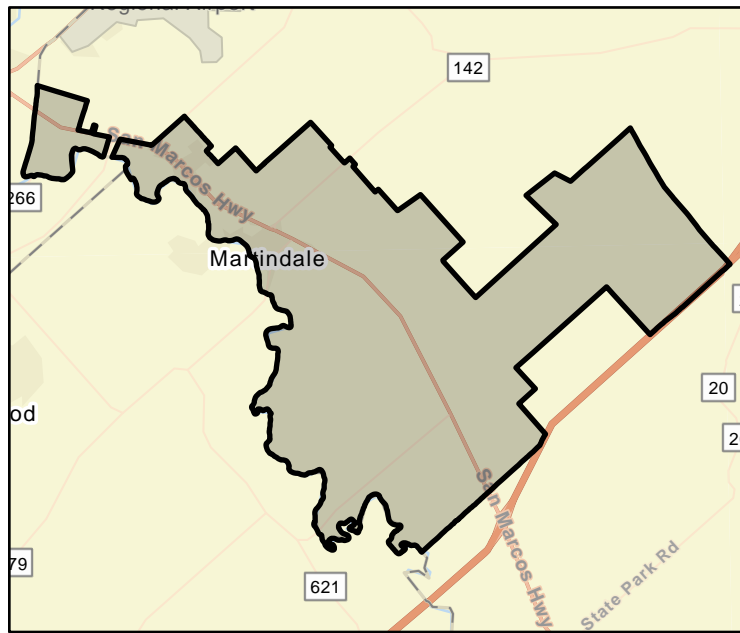
Farm/Ranch land impacted (acres) 3,124 Roadway(s) impacted (length) 13

Number of low water crossings 5 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$1,000,000 Amount of Available Funding TBD Federal funding availability No

Funding source -



Flood Management Evaluation (FME)



Title **Caldwell County Emergency Service District #4 Fire Station 2 Project Planning**

ID# **111000007**

Sponsor (name of entity, not person) **Caldwell County Emergency Service District #4**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **15** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **2** # of structures **1** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

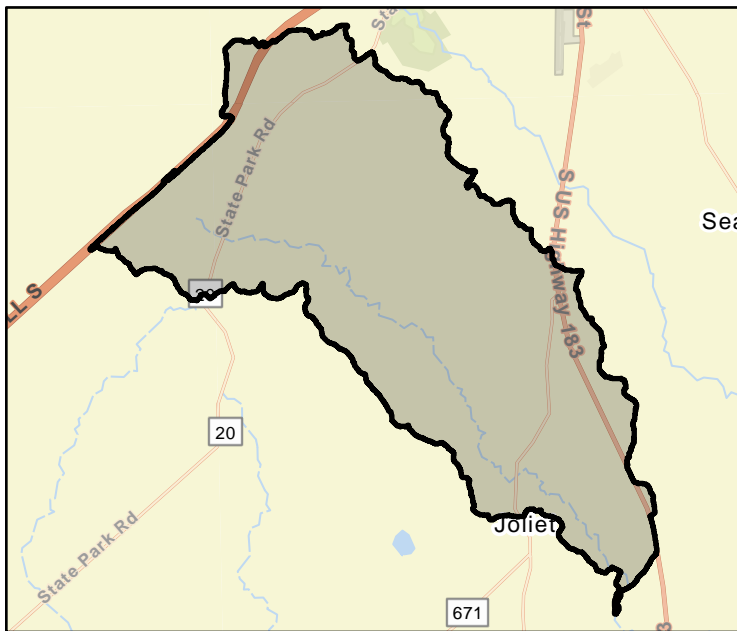
Farm/Ranch land impacted (acres) **836** Roadway(s) impacted (length) **2**

Number of low water crossings **1** Historical road closures **-**

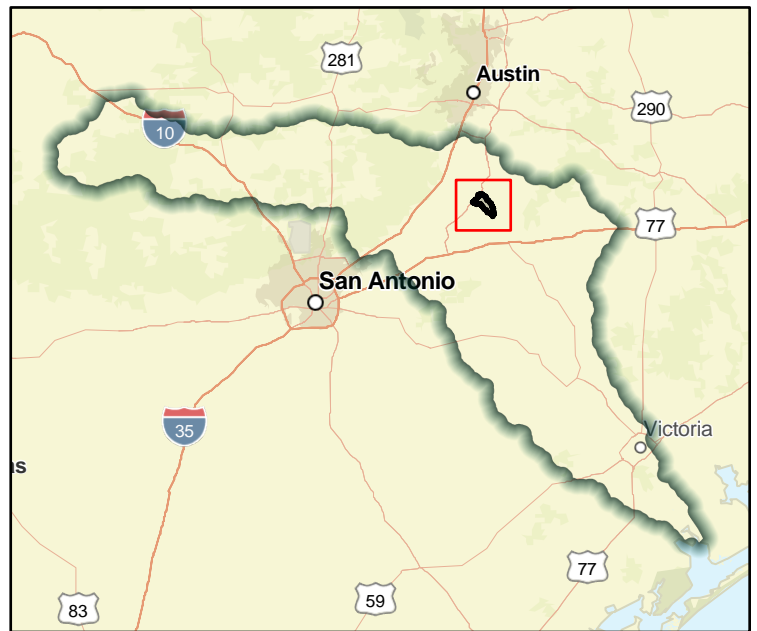
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title Canyon Regional Water Authority Hays Caldwell Water Treatment Plant Floodwall Project Planning

ID# 111000008

Sponsor (name of entity, not person) Canyon Regional Water Authority

RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type Project Planning

Study description Project planning for Canyon Regional WA - Hays Caldwell Water Treatment Plant Floodwall Project

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes

County Guadalupe Watershed HUC# (if known) 12100202

Drainage area (Square miles, est.) 7 Goal(s) 11000009, 11000010

100-Year Flood Risk Summary

Population at risk 1,644 # of structures 616 Critical facilities 2

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

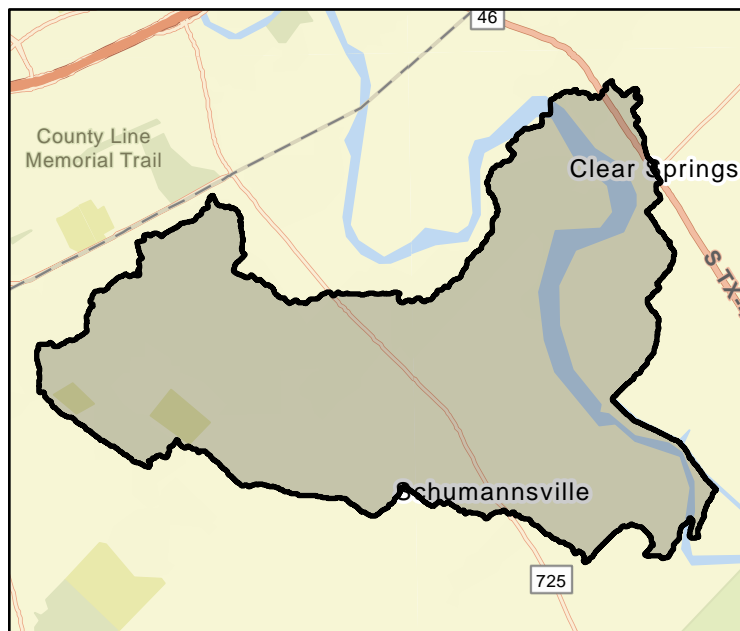
Farm/Ranch land impacted (acres) 26 Roadway(s) impacted (length) 6

Number of low water crossings 5 Historical road closures -

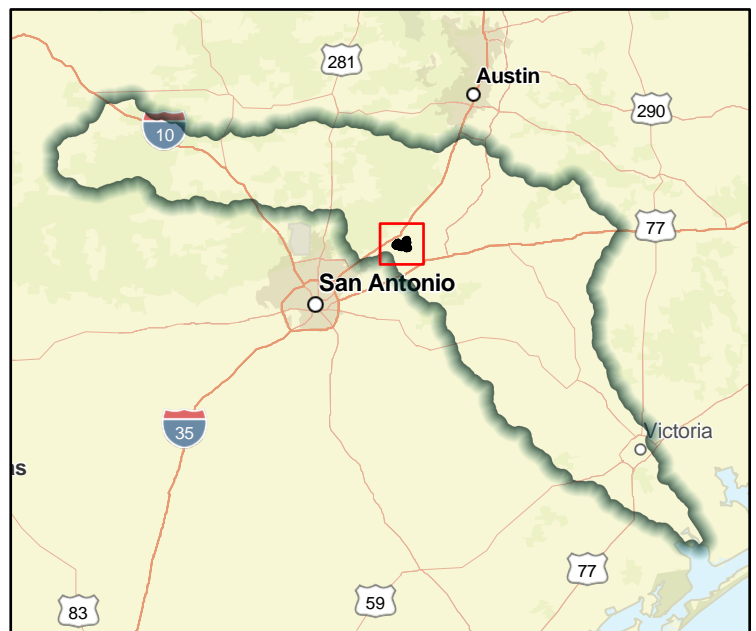
Estimated Cost and Funding Availability

Total Cost \$159,355 Amount of Available Funding TBD Federal funding availability No

Funding source -



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Center Point ISD Drainage Improvements Study**

ID# **111000009**

Sponsor (name of entity, not person) **Center Point ISD**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Study of solutions to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Bandera, Kerr** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **111** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **846** # of structures **538** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

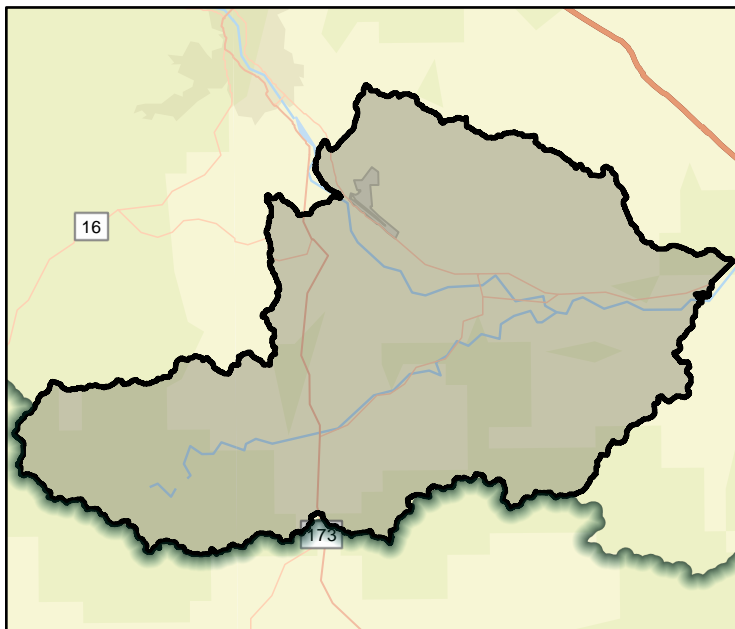
Farm/Ranch land impacted (acres) **6,111** Roadway(s) impacted (length) **26**

Number of low water crossings **19** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Cibolo and Seguin Road Access and Conditions Study**

ID# **111000010**

Sponsor (name of entity, not person) **MULTIPLE**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Preparedness**

Study description **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.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **59** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **2,283** # of structures **846** Critical facilities **5**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

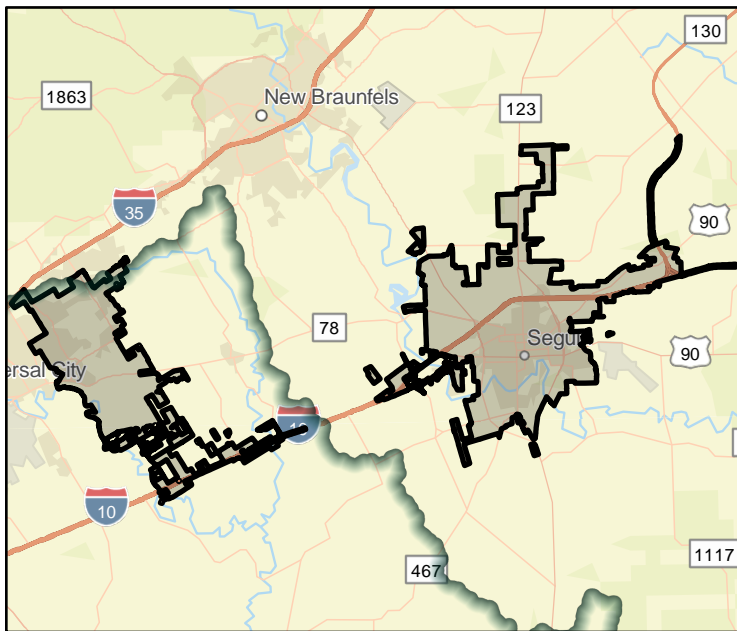
Farm/Ranch land impacted (acres) **1,157** Roadway(s) impacted (length) **25**

Number of low water crossings **8** Historical road closures **-**

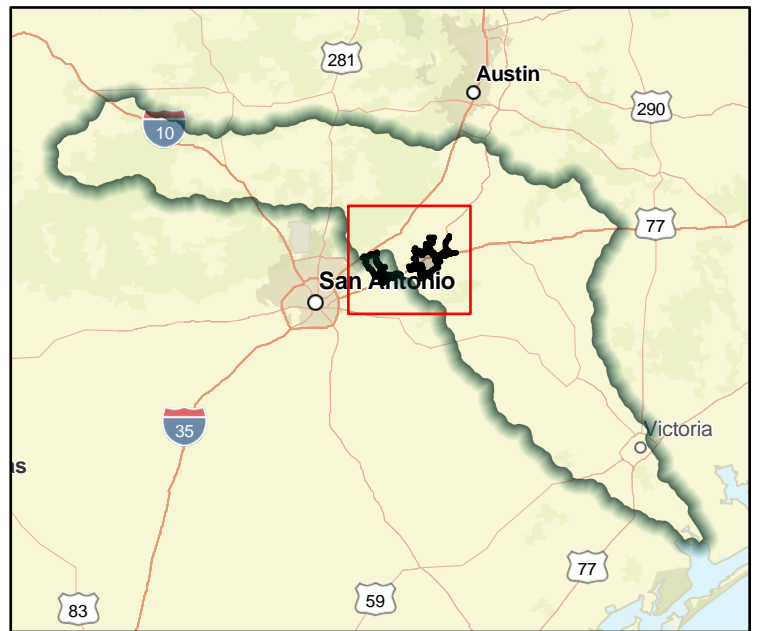
Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Cibolo and Seguin USACE Study**

ID# **111000011**

Sponsor (name of entity, not person) **MULTIPLE**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **59** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **2,283** # of structures **846** Critical facilities **5**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

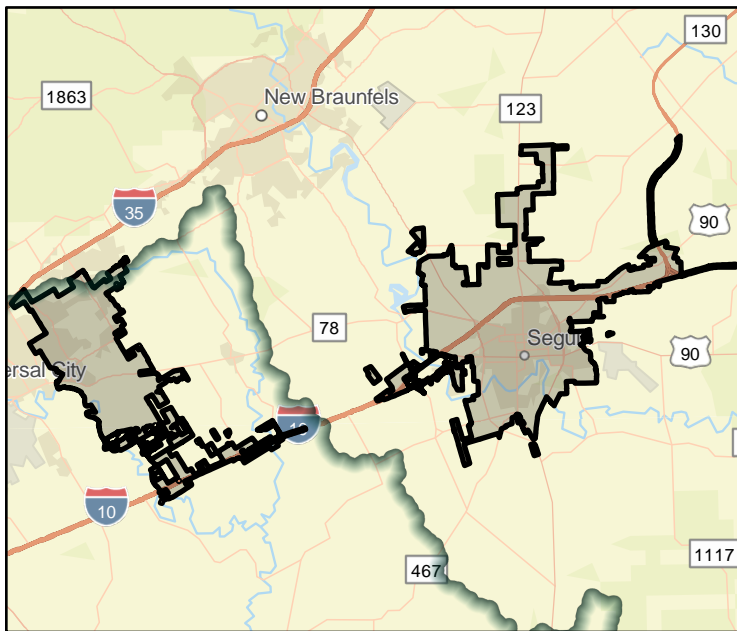
Farm/Ranch land impacted (acres) **1,157** Roadway(s) impacted (length) **25**

Number of low water crossings **8** Historical road closures **-**

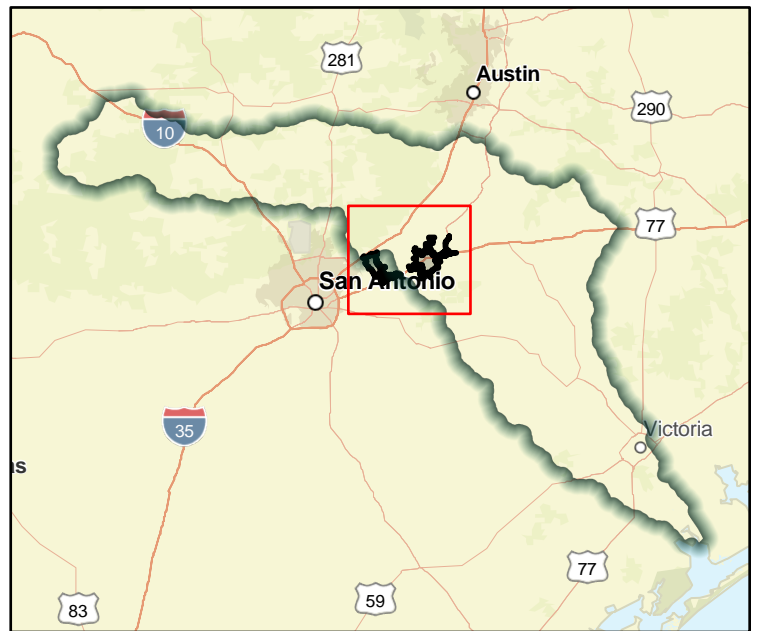
Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Buda Dam Study**

ID# **111000012**

Sponsor (name of entity, not person) **Buda (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Preparedness**

Study description **Study to evaluate dam failure risks, planning for structural and nonstructural measures to protect the integrity of the earthen fill dams.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **9** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3** # of structures **3** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

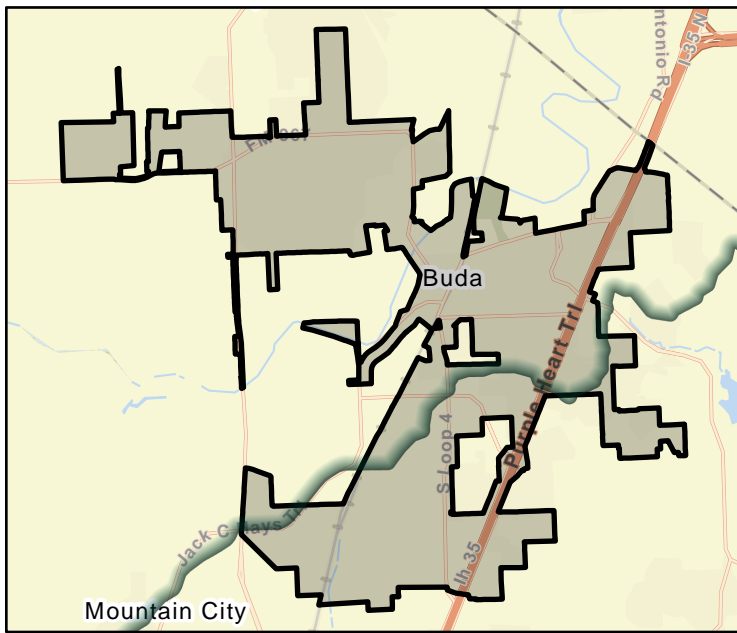
Farm/Ranch land impacted (acres) **8** Roadway(s) impacted (length) **1**

Number of low water crossings **1** Historical road closures **-**

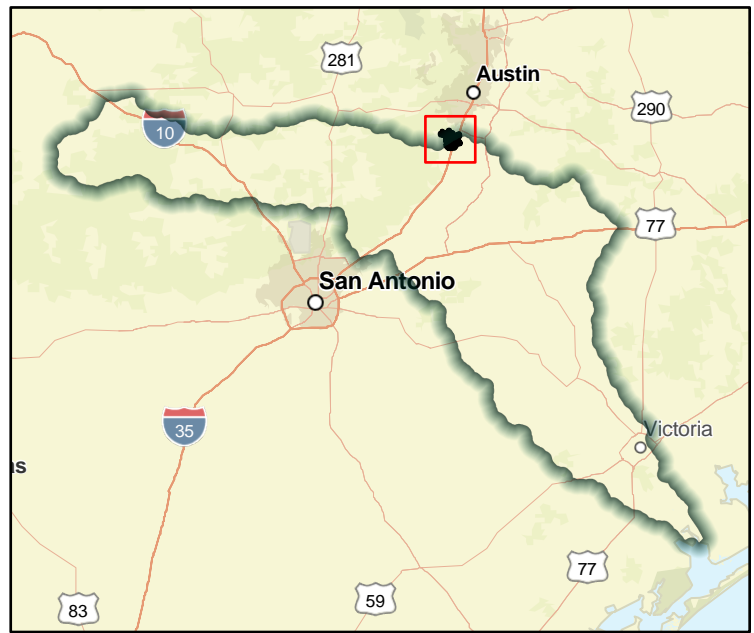
Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Bulverde Drainage Improvements Study**

ID# **111000013**

Sponsor (name of entity, not person) **Bulverde (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal** Watershed HUC# (if known) **12100202,12100201**

Drainage area (Square miles, est.) **16** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

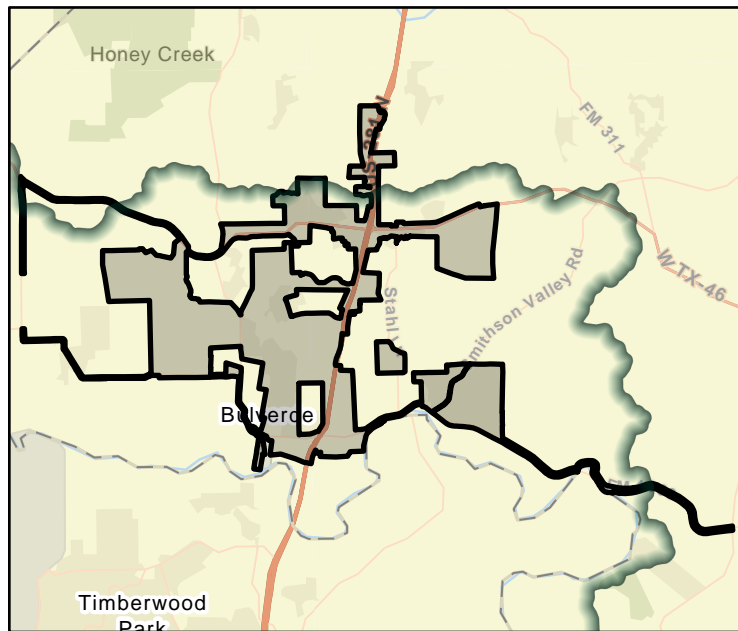
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **1**

Number of low water crossings **1** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Bulverde Local Flooding Study**

ID# **111000014**

Sponsor (name of entity, not person) **Bulverde (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Study of solutions to elevate some segments of roadways in various portions of the community to address localized flooding issues.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal** Watershed HUC# (if known) **12100202,12100201**

Drainage area (Square miles, est.) **16** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

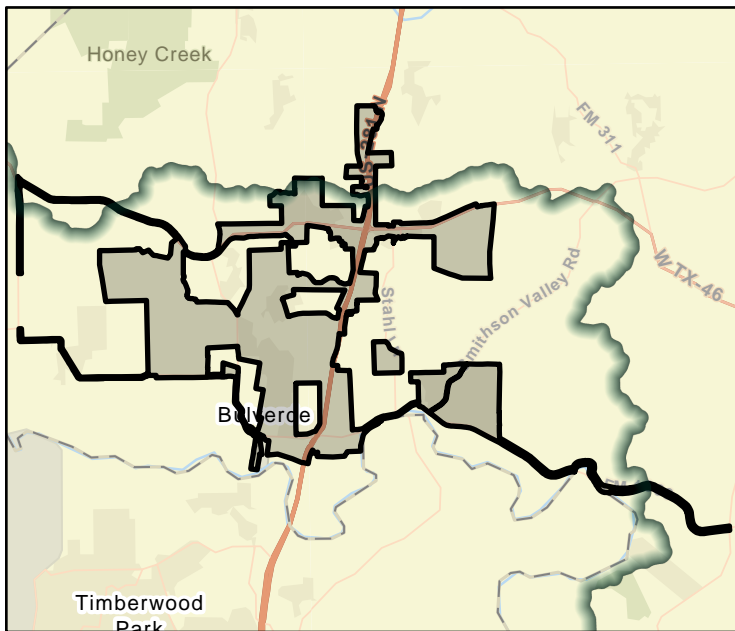
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **1**

Number of low water crossings **1** Historical road closures **-**

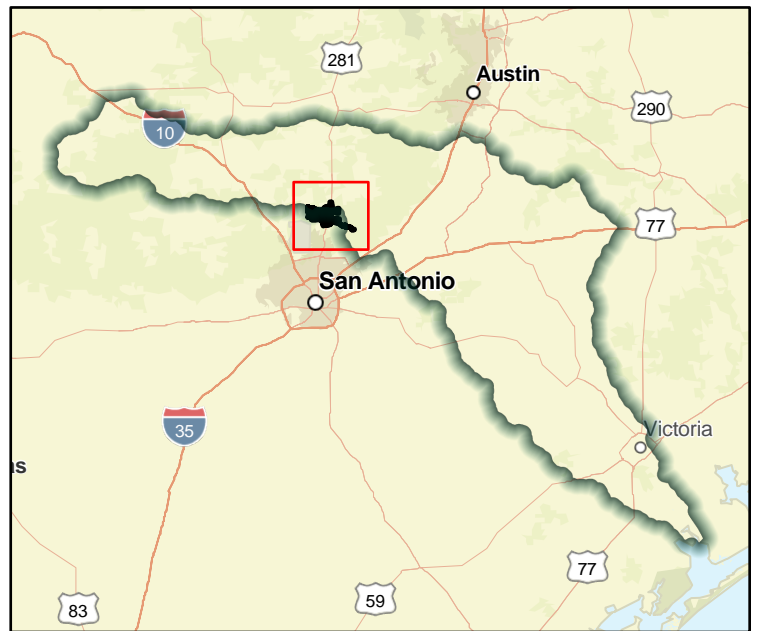
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Flatonia Drainage Project Planning**

ID# **111000015**

Sponsor (name of entity, not person) **Flatonia (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Gonzales,Fayette** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **5** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

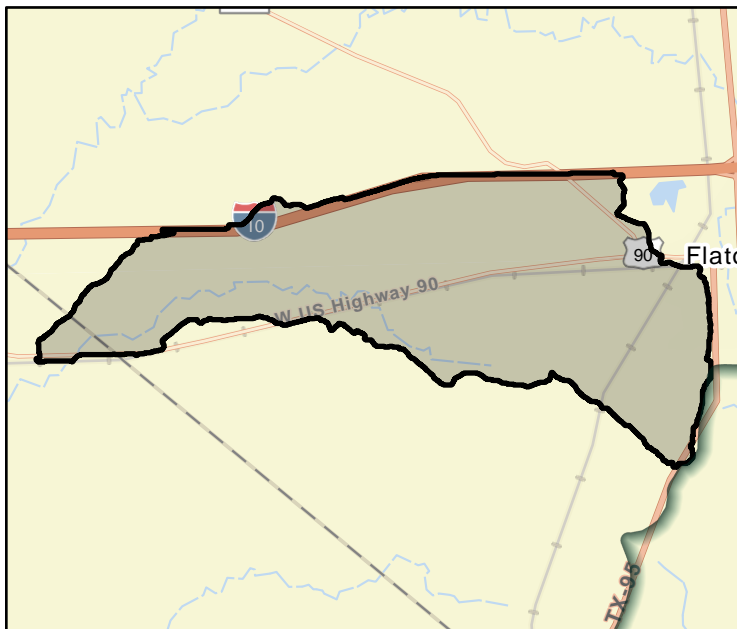
Farm/Ranch land impacted (acres) **227** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **-**

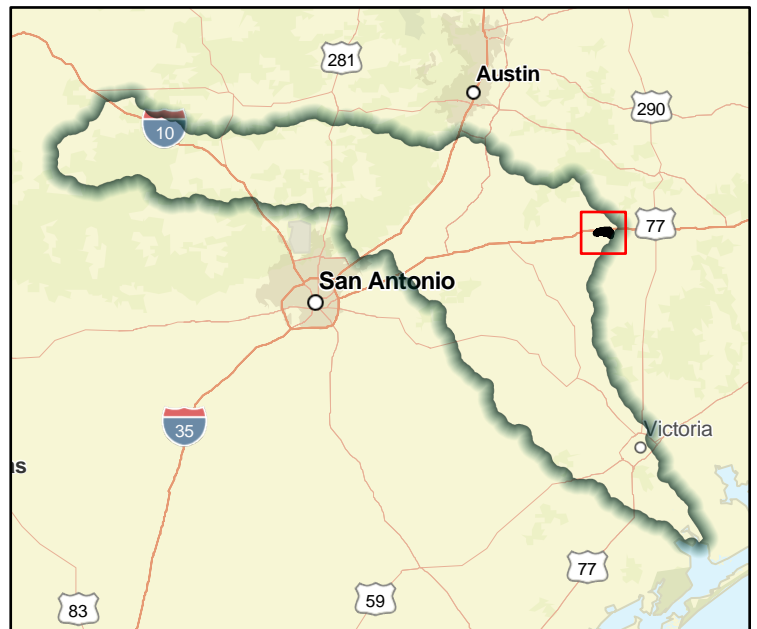
Estimated Cost and Funding Availability

Total Cost **\$2,739,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Flatonia WWTP Floodproofing Project Planning**

ID# **111000016**

Sponsor (name of entity, not person) **Flatonia (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to floodproof Waste Water Treatment Plant**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Gonzales,Fayette** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **5** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

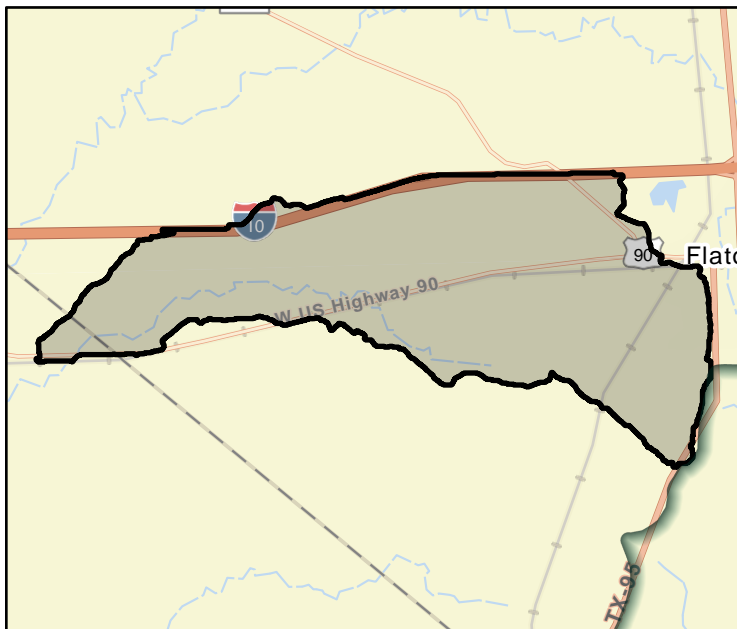
Farm/Ranch land impacted (acres) **227** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **-**

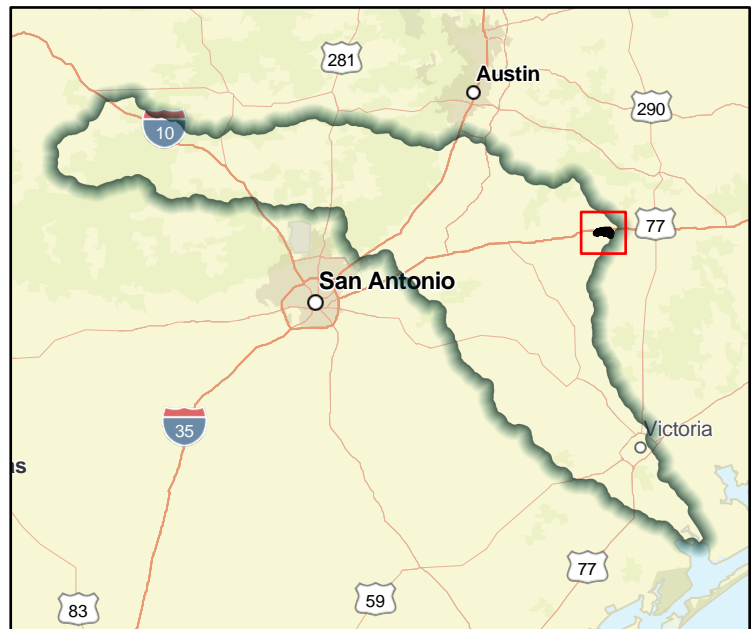
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Garden Ridge Drainage Improvements Project Planning**

ID# **111000017**

Sponsor (name of entity, not person) **Garden Ridge (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to complete final phase of drainage infrastructure upgrades.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe, Comal** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **19** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **20** # of structures **11** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **272** Roadway(s) impacted (length) **1**

Number of low water crossings **3** Historical road closures **-**

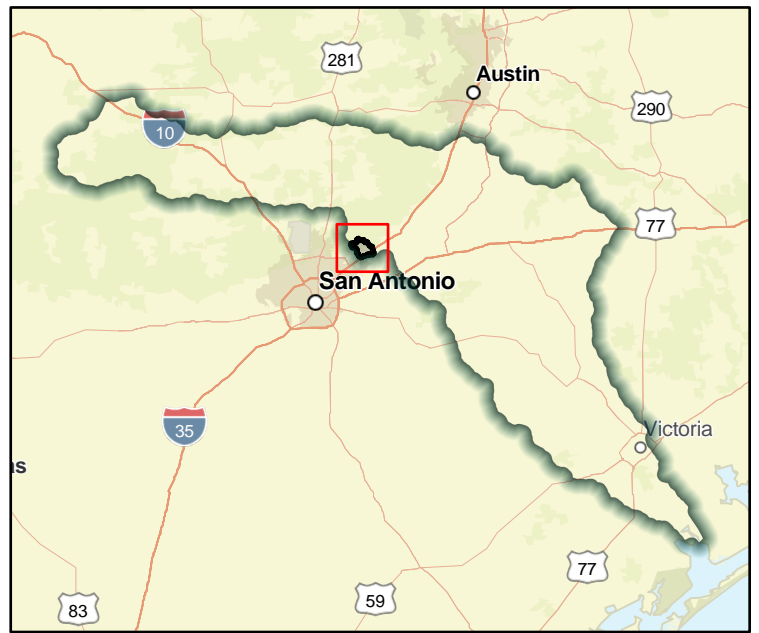
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Gonzales Tinsley Creek Improvement Project Planning**

ID# **111000018**

Sponsor (name of entity, not person) **Gonzales (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Gonzales** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **4** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **758** # of structures **403** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

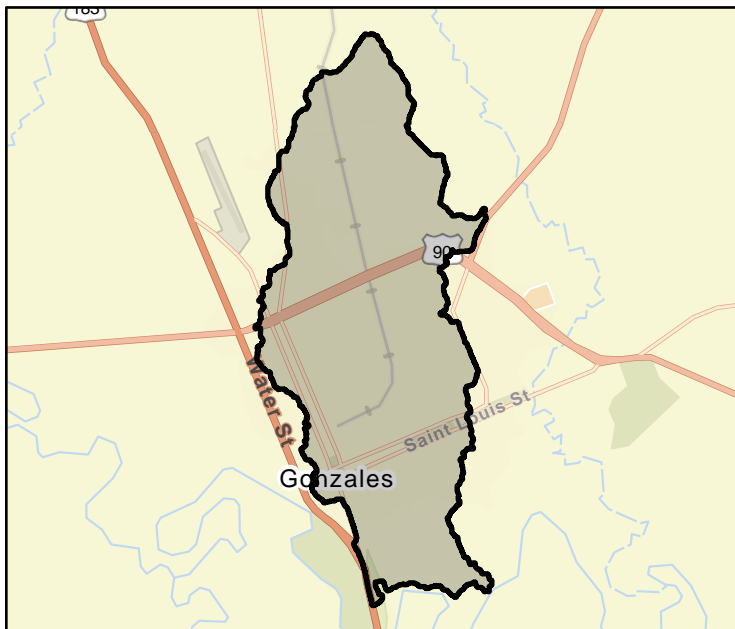
Farm/Ranch land impacted (acres) **202** Roadway(s) impacted (length) **7**

Number of low water crossings **5** Historical road closures **-**

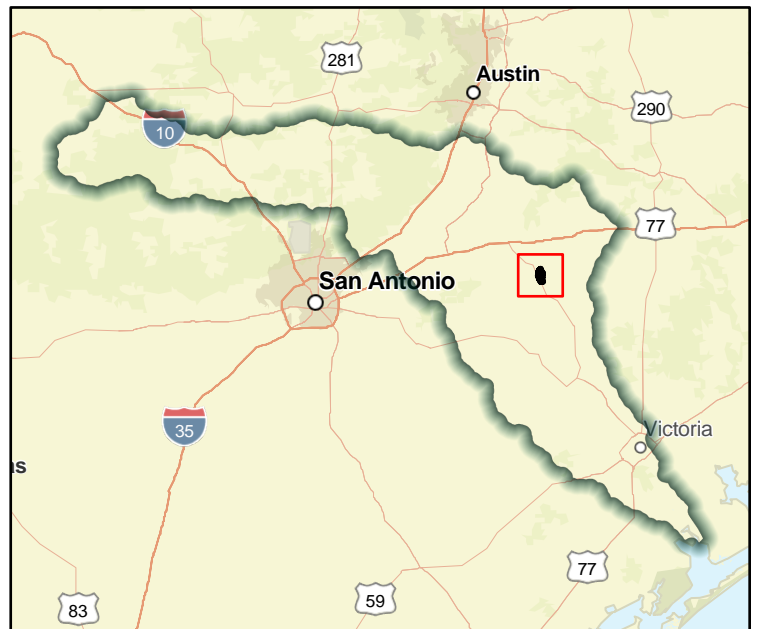
Estimated Cost and Funding Availability

Total Cost **\$600,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Gonzales Tinsley Creek Flood Mitigation Project Planning**

ID# **111000019**

Sponsor (name of entity, not person) **Gonzales (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Gonzales** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **4** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **758** # of structures **403** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

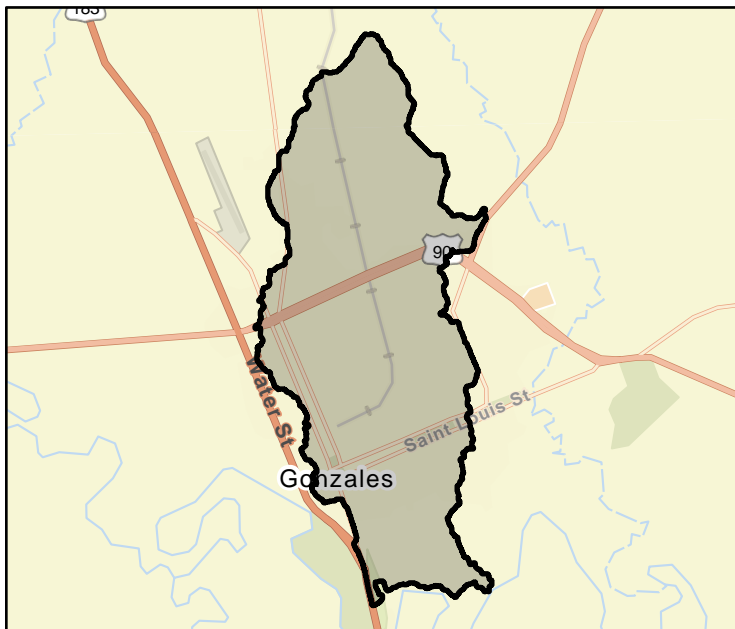
Farm/Ranch land impacted (acres) **202** Roadway(s) impacted (length) **7**

Number of low water crossings **5** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$430,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Ingram Drainage Improvements Study**

ID# **111000020**

Sponsor (name of entity, not person) **Ingram (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Study of solutions to upgrade existing storm drainage infrastructure to reduce the potential impacts of future flood events.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kerr** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **21** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **470** # of structures **369** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

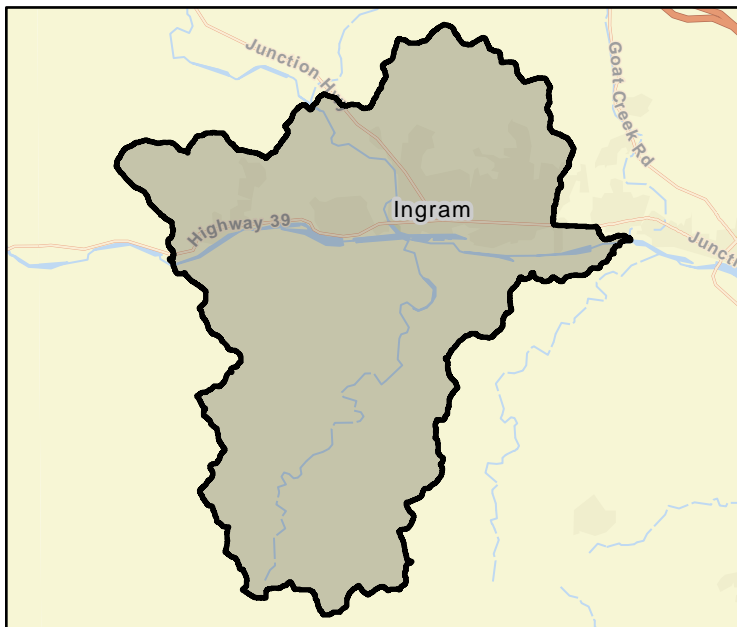
Farm/Ranch land impacted (acres) **533** Roadway(s) impacted (length) **8**

Number of low water crossings **8** Historical road closures **-**

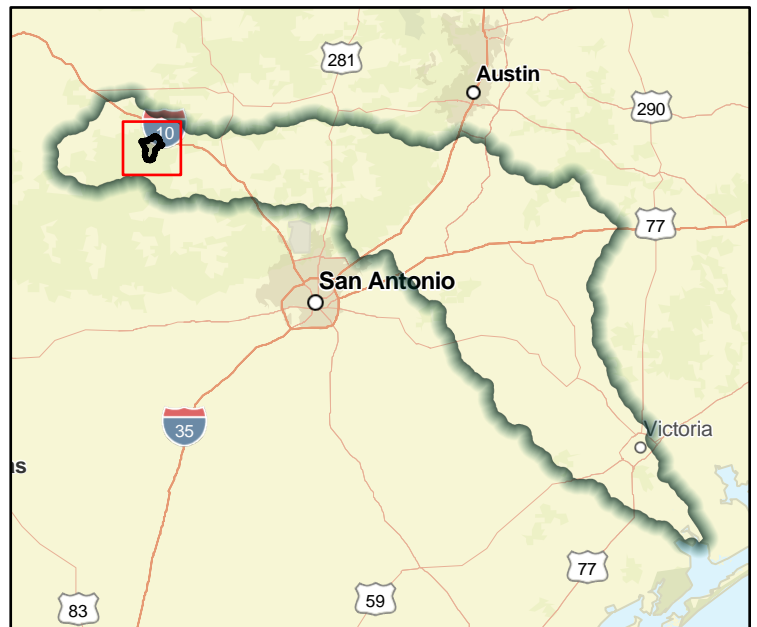
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Kerrville Pinto Trail Project Planning**

ID# **111000022**

Sponsor (name of entity, not person) **Kerrville (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kerr** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **12** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **606** # of structures **324** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

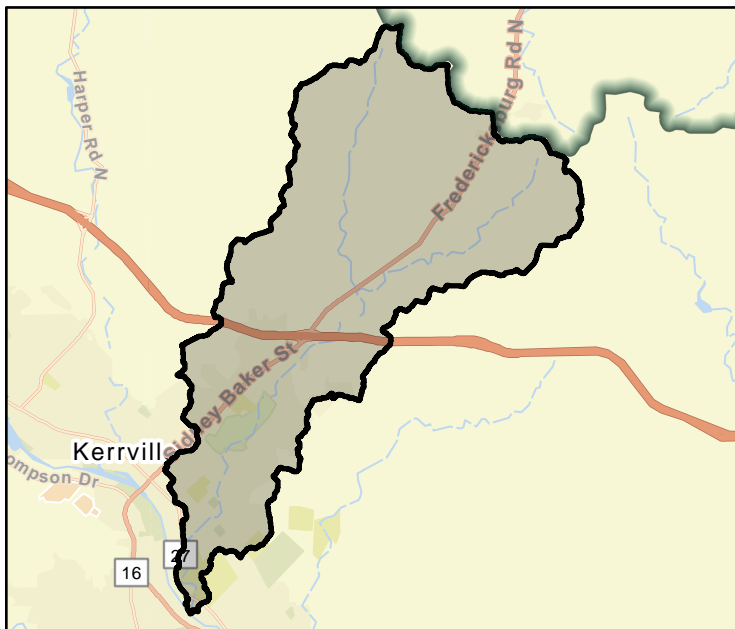
Farm/Ranch land impacted (acres) **87** Roadway(s) impacted (length) **6**

Number of low water crossings **7** Historical road closures **-**

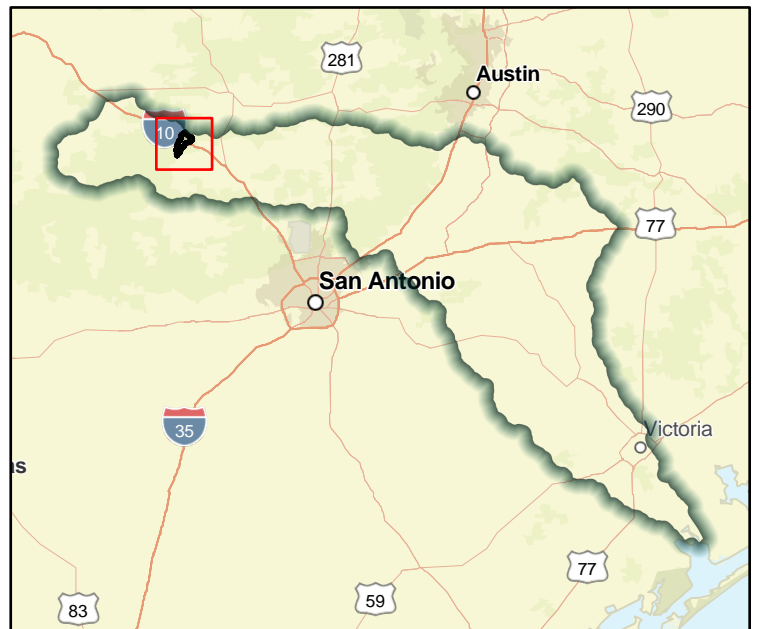
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Kerrville Park Street Low Water Crossing Project Planning**

ID# **111000023**

Sponsor (name of entity, not person) **Kerrville (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to improve or replace the Park Street Low Water Crossing.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kerr** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **12** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **606** # of structures **324** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

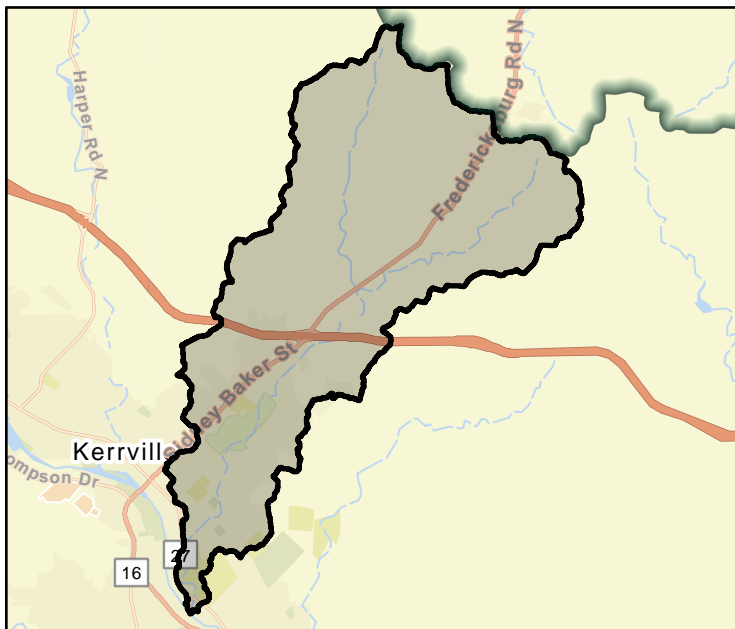
Farm/Ranch land impacted (acres) **87** Roadway(s) impacted (length) **6**

Number of low water crossings **7** Historical road closures **-**

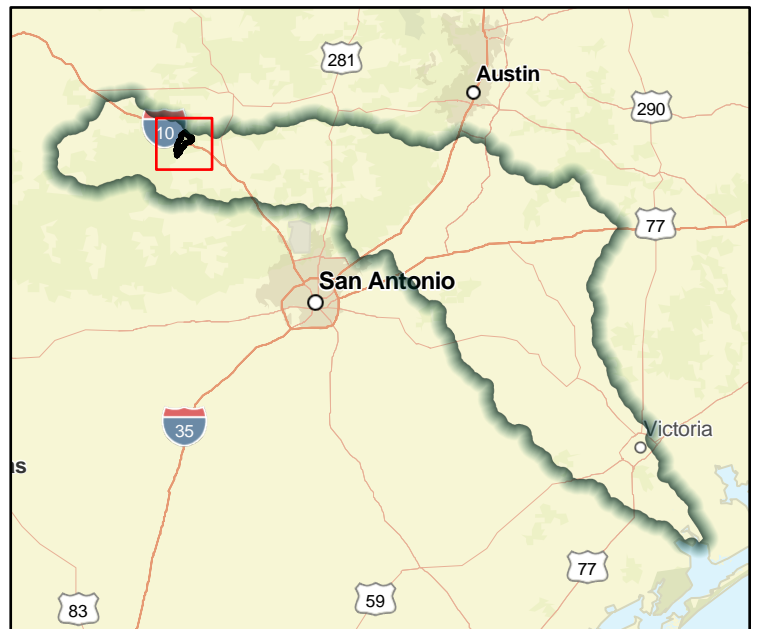
Estimated Cost and Funding Availability

Total Cost **\$340,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Kerrville Hill Country Drive at SH 16 Project Planning**

ID# **111000026**

Sponsor (name of entity, not person) **Kerrville (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kerr** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **2** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **1,394** # of structures **191** Critical facilities **2**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

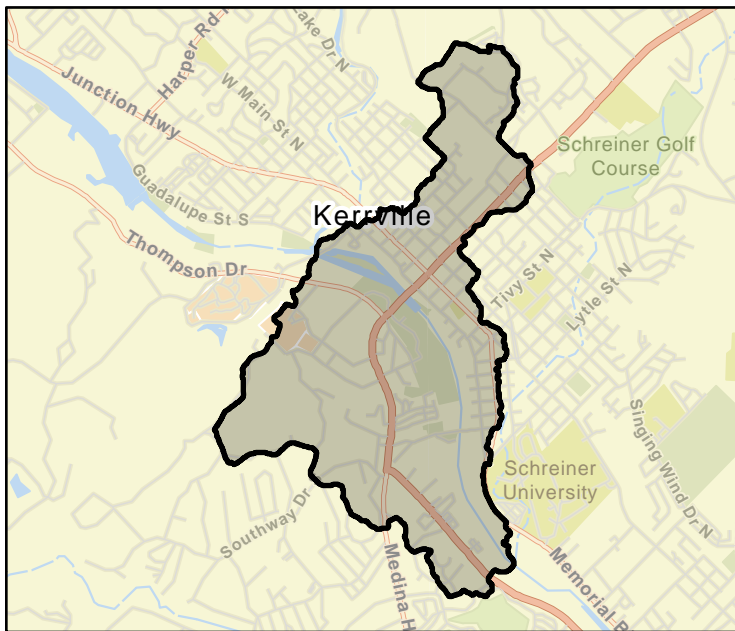
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **4**

Number of low water crossings **4** Historical road closures **-**

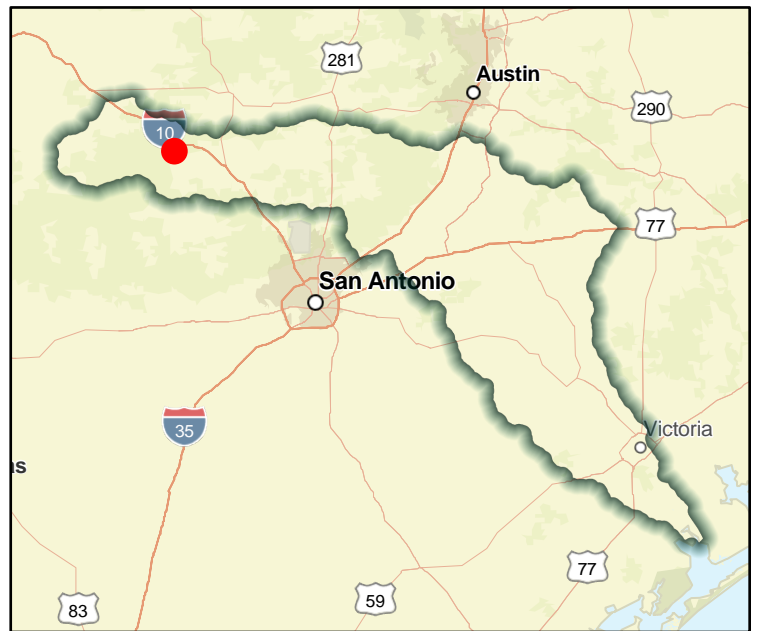
Estimated Cost and Funding Availability

Total Cost **\$245,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title City of Kerrville Harper Street between Culberson Avenue and Lewis Avenue
Project Planning

ID# 111000028

Sponsor (name of entity, not person) Kerrville (Municipality)

RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type Project Planning
Study description Project planning for proposed storm drain system project to relieve localized flooding and excessive ponding that occurs throughout Harper Street.

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes

County Kerr Watershed HUC# (if known) 12100201

Drainage area (Square miles, est.) 6 Goal(s) 11000009, 11000010

100-Year Flood Risk Summary

Population at risk 990 # of structures 381 Critical facilities 0
Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
Farm/Ranch land impacted (acres) 18 Roadway(s) impacted (length) 7
Number of low water crossings 4 Historical road closures -

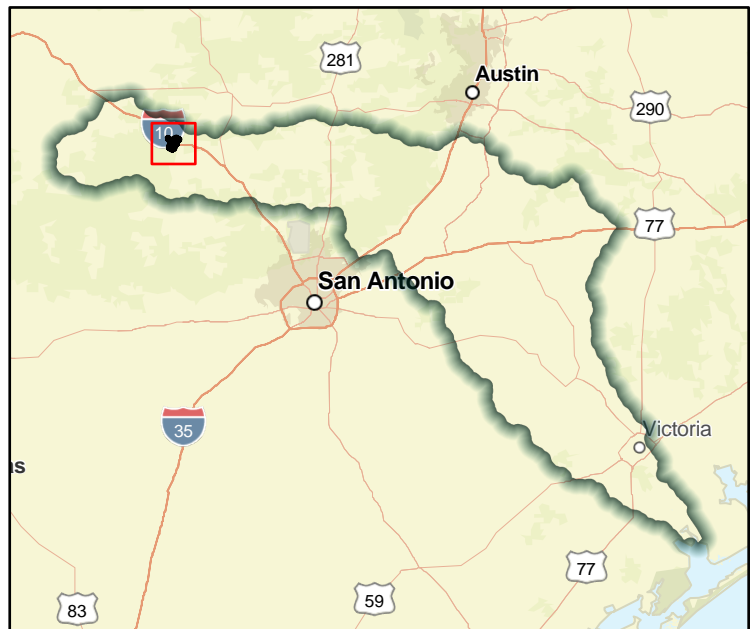
Estimated Cost and Funding Availability

Total Cost \$180,000 Amount of Available Funding TBD Federal funding availability No

Funding source -



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Kerrville Circle Avenue Drainage Channel Project Planning**

ID# **111000029**

Sponsor (name of entity, not person) **Kerrville (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed channel and street improvement project to alleviate sedimentation and erosion issues at the intersection of Culberson Avenue and Circle Avenue.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kerr** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **6** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **990** # of structures **381** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **18** Roadway(s) impacted (length) **7**

Number of low water crossings **4** Historical road closures **-**

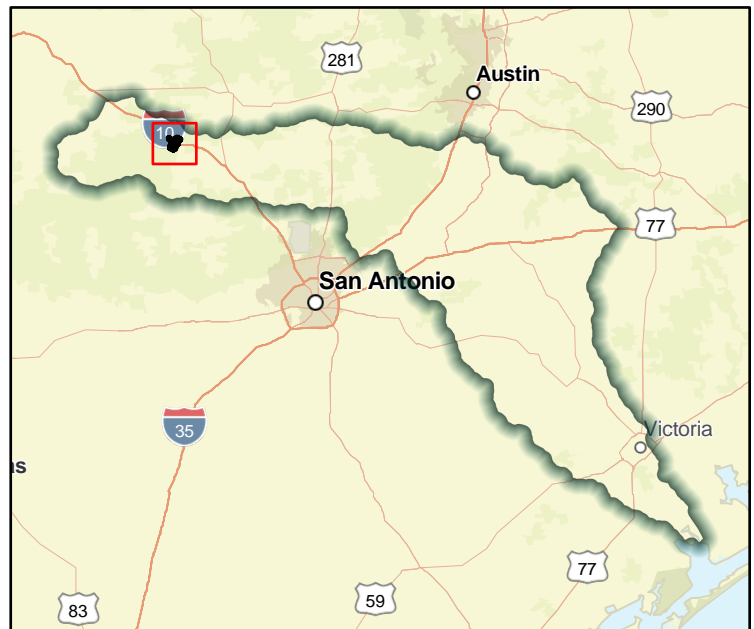
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Kerrville Jack Drive - Undersized Inlet Project Planning**

ID# **111000030**

Sponsor (name of entity, not person) **Kerrville (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kerr** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **7** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **852** # of structures **249** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

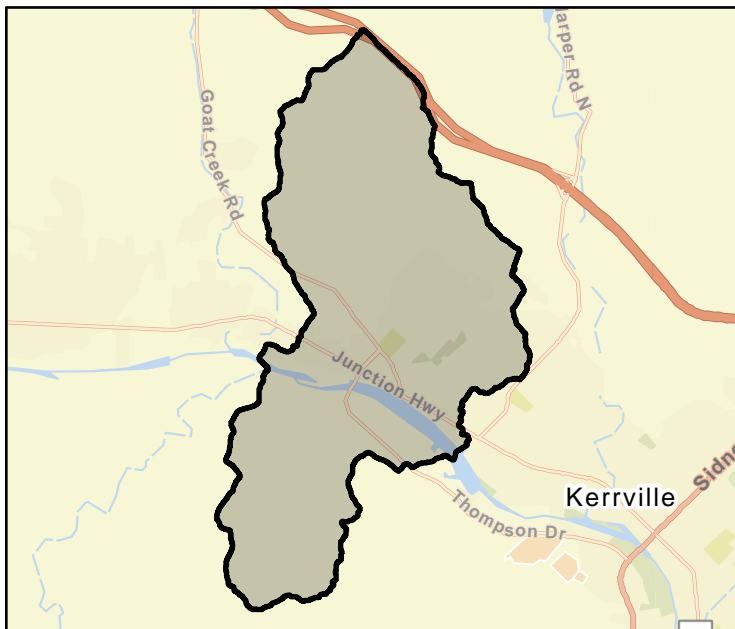
Farm/Ranch land impacted (acres) **67** Roadway(s) impacted (length) **5**

Number of low water crossings **8** Historical road closures **-**

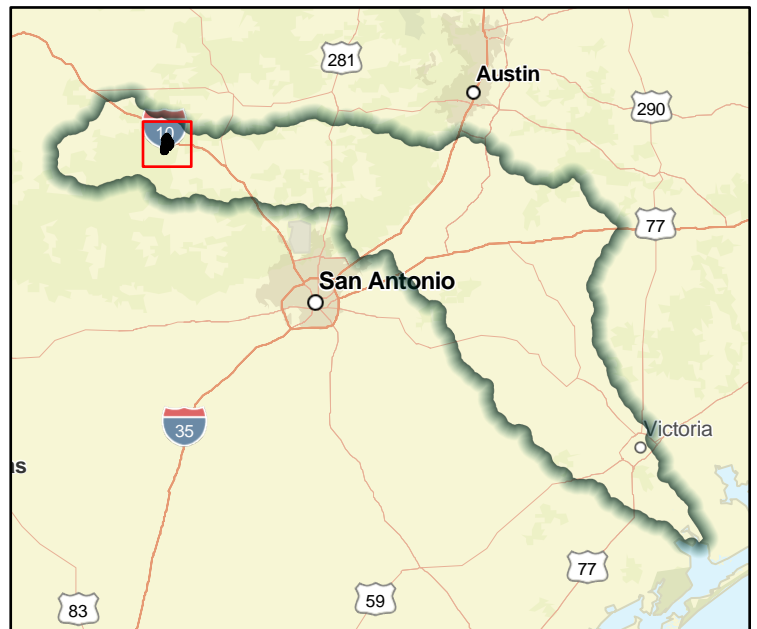
Estimated Cost and Funding Availability

Total Cost **\$240,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Kerrville Harper Road to Town Creek (Fay Drive) Drainage Improvements Study**

ID# **111000031**

Sponsor (name of entity, not person) **Kerrville (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Study of solutions to implement drainage improvements on Harper Road to Town Creek (Fay Drive).**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kerr** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **6** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **990** # of structures **381** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **18** Roadway(s) impacted (length) **7**

Number of low water crossings **4** Historical road closures **-**

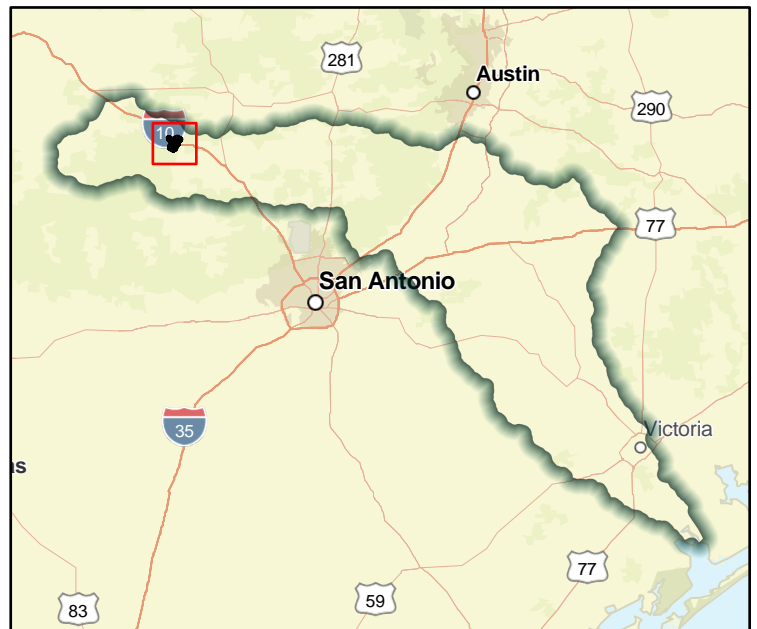
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Kyle Prairie and Woodland Restoration Plan**

ID# **111000033**

Sponsor (name of entity, not person) **Kyle (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **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**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **31** Goal(s) **11000003, 11000004**

100-Year Flood Risk Summary

Population at risk **1,368** # of structures **422** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

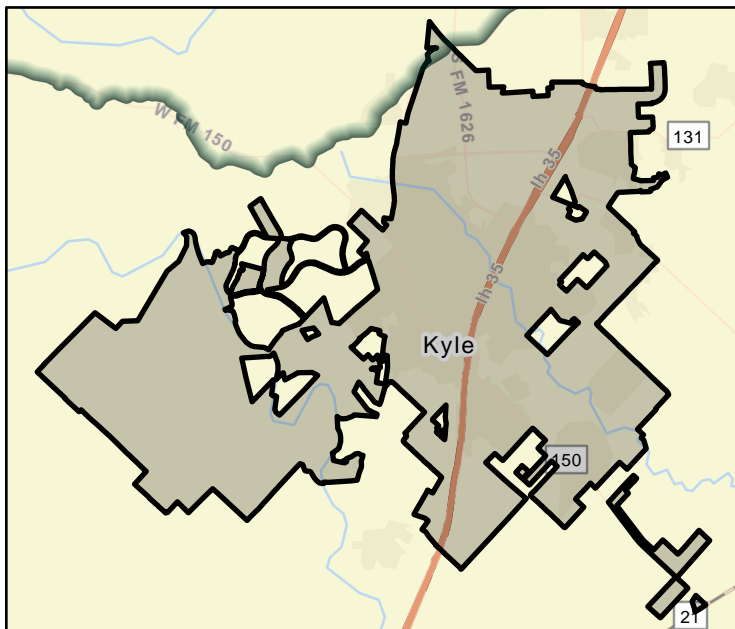
Farm/Ranch land impacted (acres) **727** Roadway(s) impacted (length) **7**

Number of low water crossings **9** Historical road closures **-**

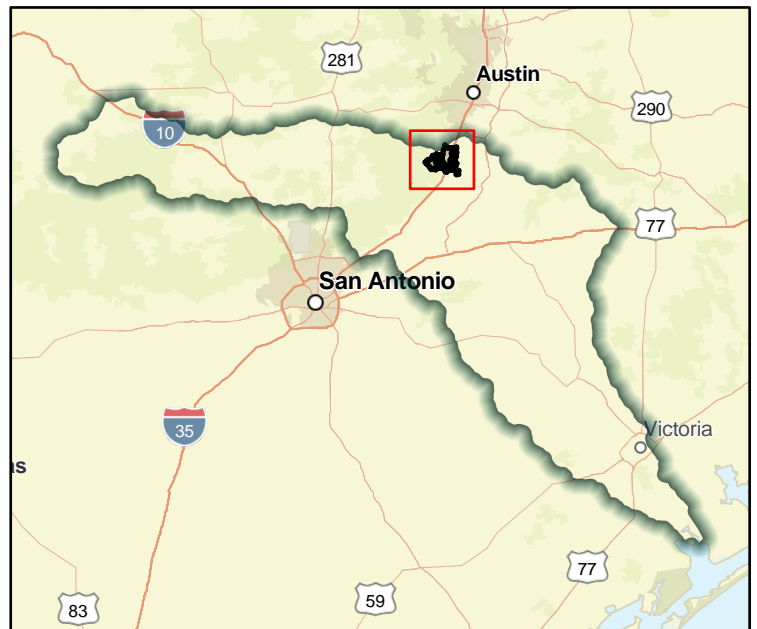
Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Kyle - N. Burseson Street Drainage Improvements Project Planning**

ID# **111000034**

Sponsor (name of entity, not person) **Kyle (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to conduct street reconstruction and drainage improvements to minimize flooding in the downtown area.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **6** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **1,760** # of structures **326** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

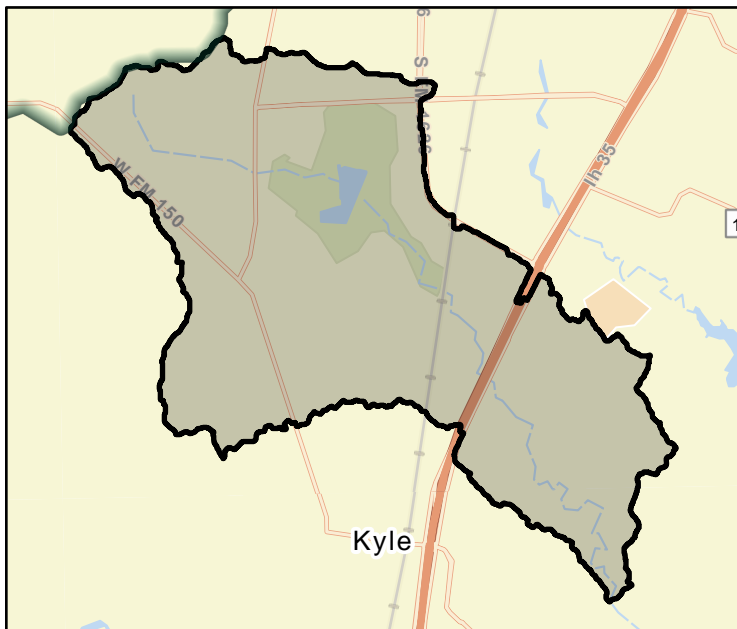
Farm/Ranch land impacted (acres) **10** Roadway(s) impacted (length) **3**

Number of low water crossings **2** Historical road closures **-**

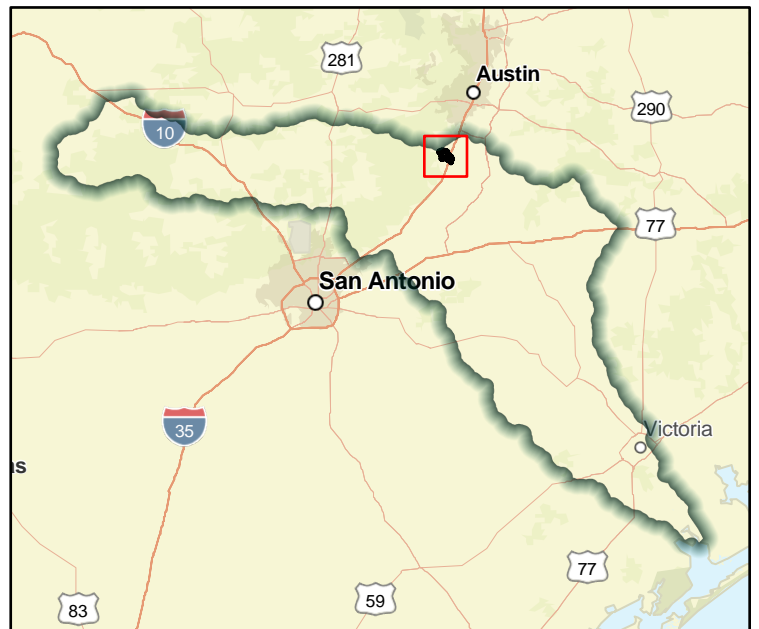
Estimated Cost and Funding Availability

Total Cost **\$983,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Lockhart Drainage Improvements Study**

ID# **111000035**

Sponsor (name of entity, not person) **Lockhart (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Study to identify Capital Improvements to Municipal Drainage System and study solutions to upgrade system to improve drainage capacity and reduce flood damages.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **16** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **187** # of structures **62** Critical facilities **2**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

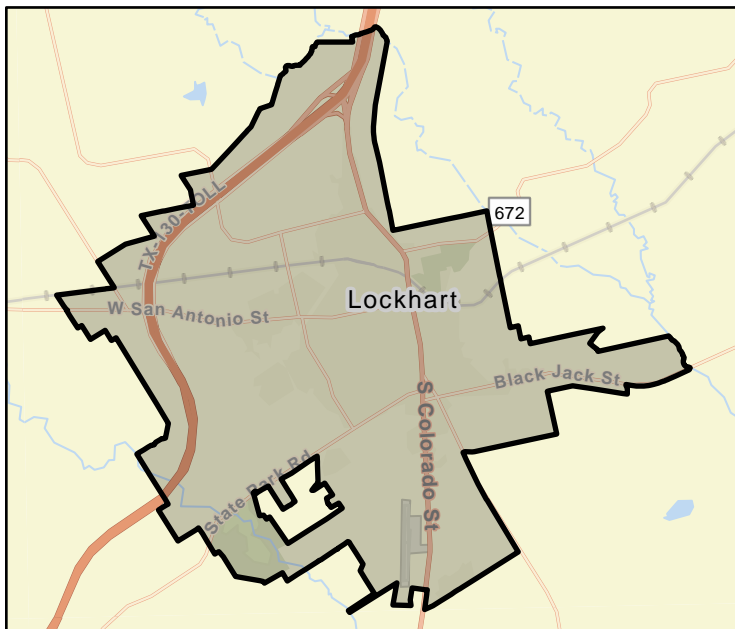
Farm/Ranch land impacted (acres) **344** Roadway(s) impacted (length) **6**

Number of low water crossings **6** Historical road closures **-**

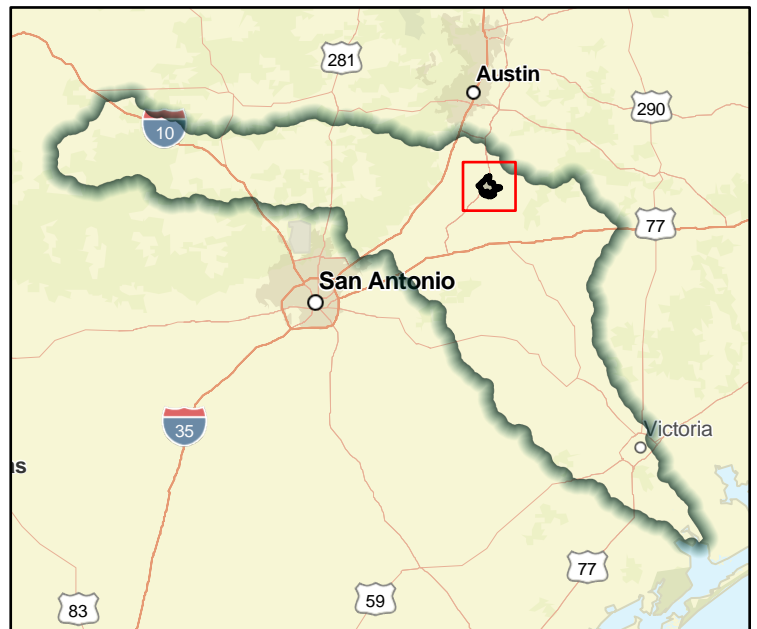
Estimated Cost and Funding Availability

Total Cost **\$2,400,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Lockhart USACE Study**

ID# **111000036**

Sponsor (name of entity, not person) **Lockhart (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **56** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **341** # of structures **90** Critical facilities **5**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

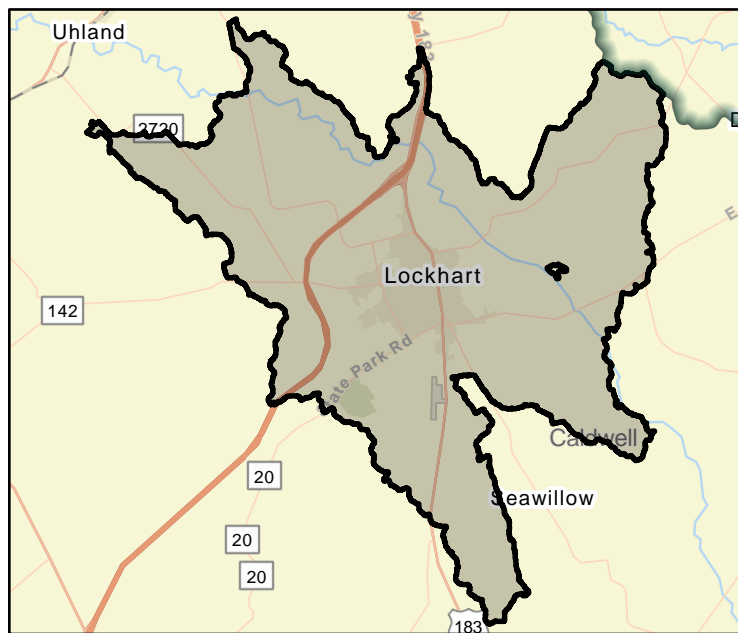
Farm/Ranch land impacted (acres) **3,915** Roadway(s) impacted (length) **11**

Number of low water crossings **8** Historical road closures **-**

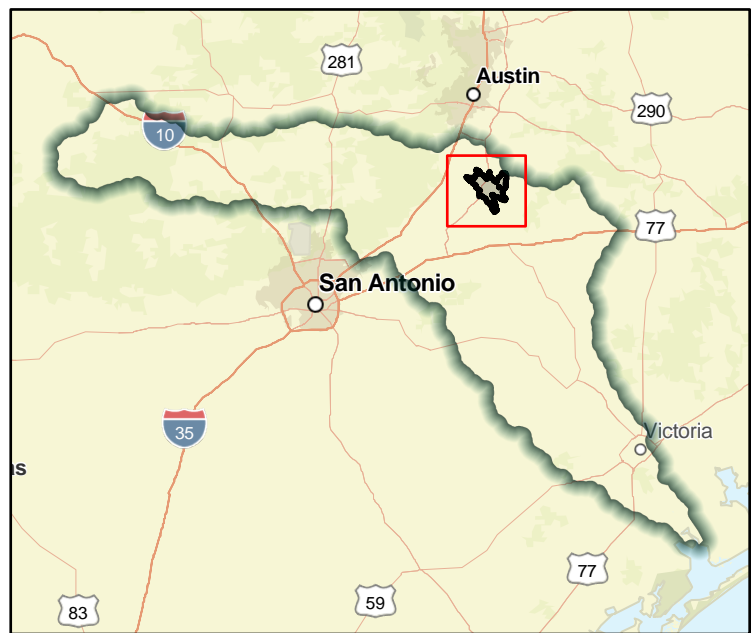
Estimated Cost and Funding Availability

Total Cost **\$360,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Luling Drainage Improvements Study**

ID# **111000037**

Sponsor (name of entity, not person) **Luling (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Study of solutions to upgrade undersized stormwater drains and culverts.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe, Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **6** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **199** # of structures **74** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

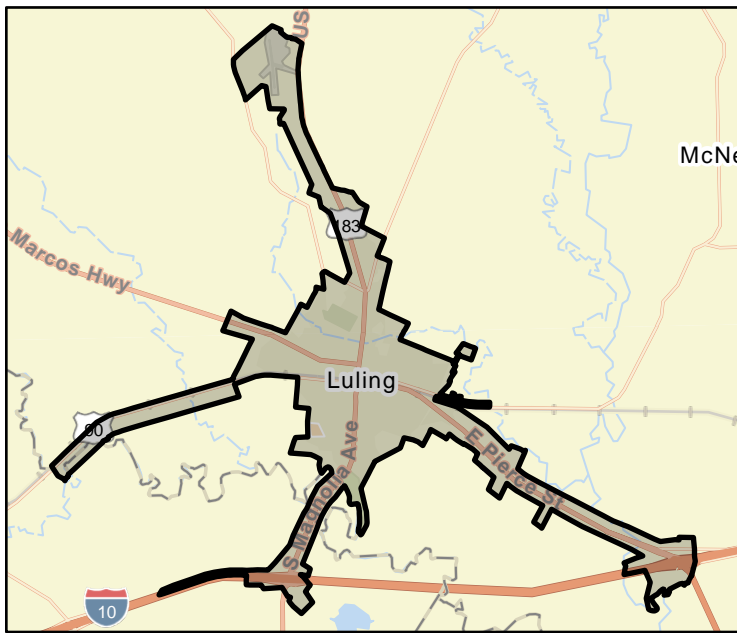
Farm/Ranch land impacted (acres) **210** Roadway(s) impacted (length) **6**

Number of low water crossings **0** Historical road closures **-**

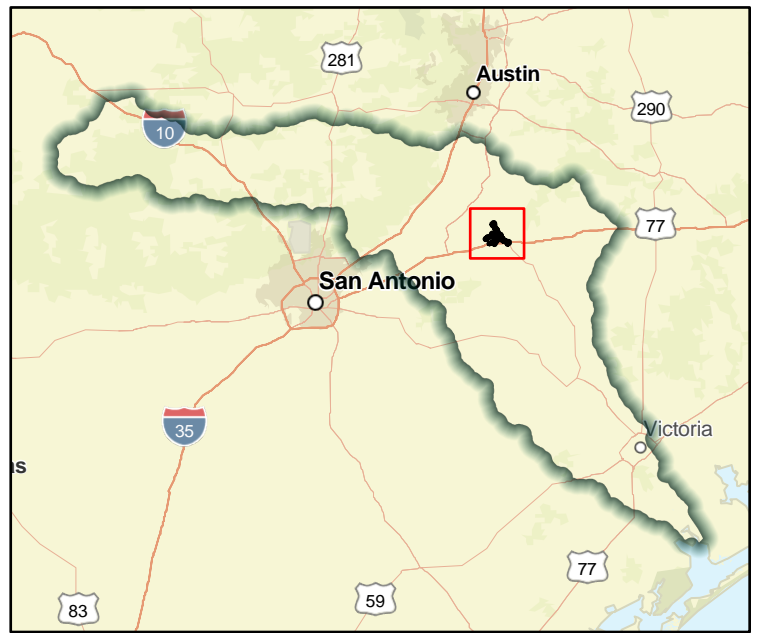
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Martindale Drainage Improvements Study**

ID# **111000038**

Sponsor (name of entity, not person) **Martindale (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Study of solutions to upgrade undersized stormwater drains and culverts.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **2** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **550** # of structures **196** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

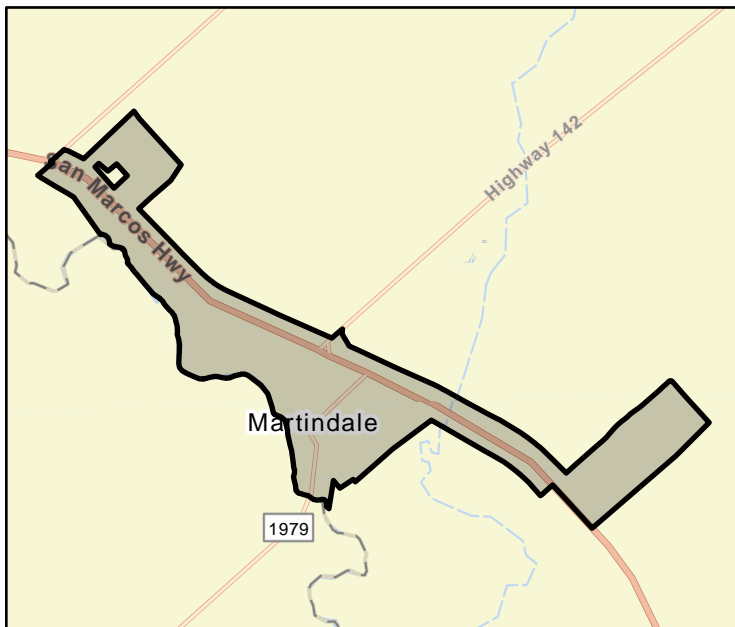
Farm/Ranch land impacted (acres) **53** Roadway(s) impacted (length) **6**

Number of low water crossings **3** Historical road closures **-**

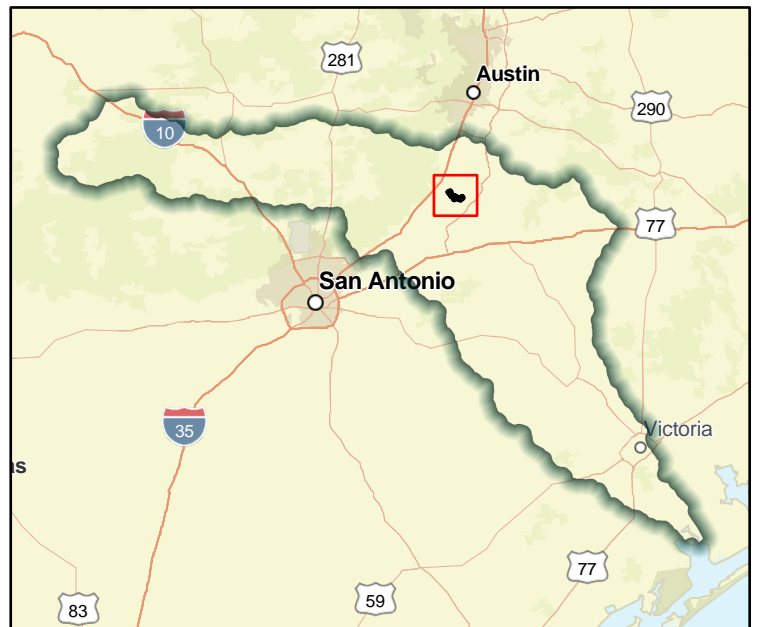
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Mountain City Repetitive Loss Structure Mitigation Study**

ID# **111000039**

Sponsor (name of entity, not person) **Mountain City (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Study of solutions to floodproof or otherwise mitigate repetitive loss structures that have been identified by FEMA for the number of flood insurance claims.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **1** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **0** # of structures **1** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

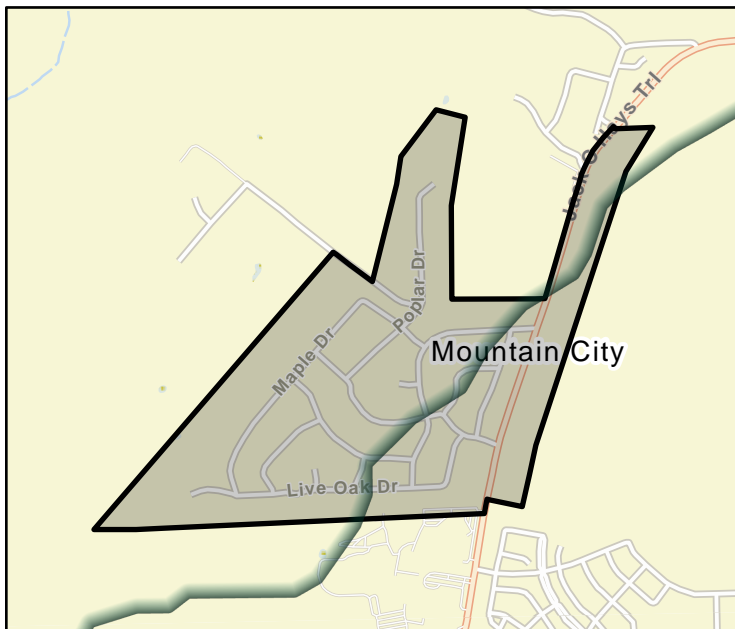
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **-**

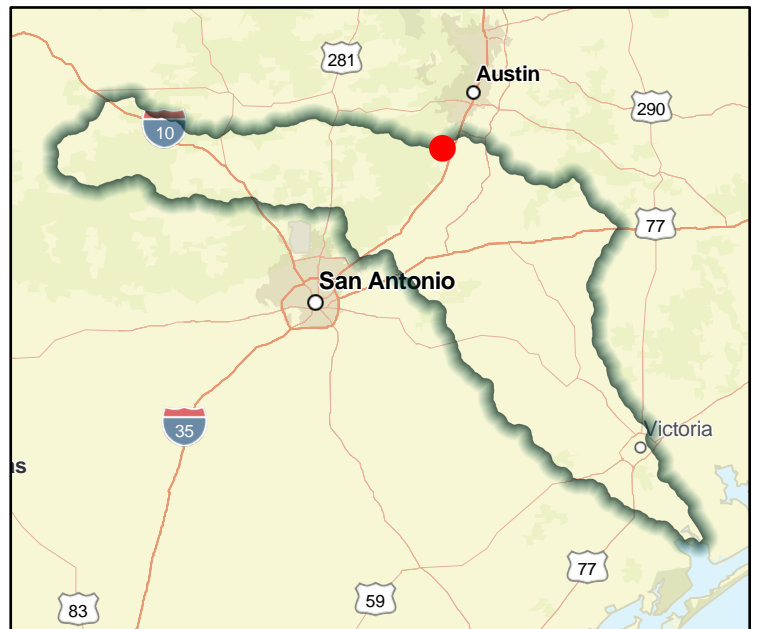
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of New Braunfels - Box Culvert Installation to Reduce Flood Risk on Blieders Creek, Comal River and Landa Park Project Planning**

ID# **111000043**

Sponsor (name of entity, not person) **New Braunfels (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed drainage improvements project to reduce flooding in the Blieders Creek and German Creek watersheds by conveying flows to the Guadalupe River. The project is also intended to relieve flooding in the Landa Park area.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **16** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **1,886** # of structures **439** Critical facilities **2**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

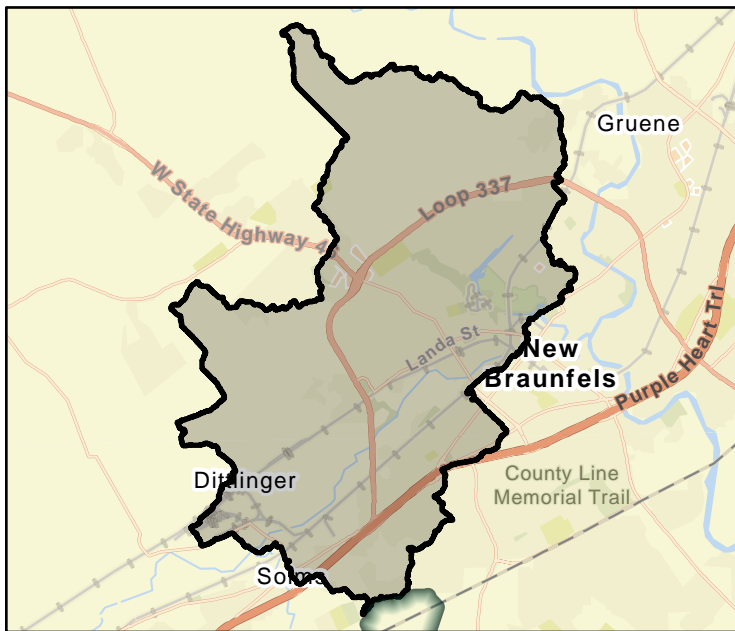
Farm/Ranch land impacted (acres) **385** Roadway(s) impacted (length) **7**

Number of low water crossings **11** Historical road closures **-**

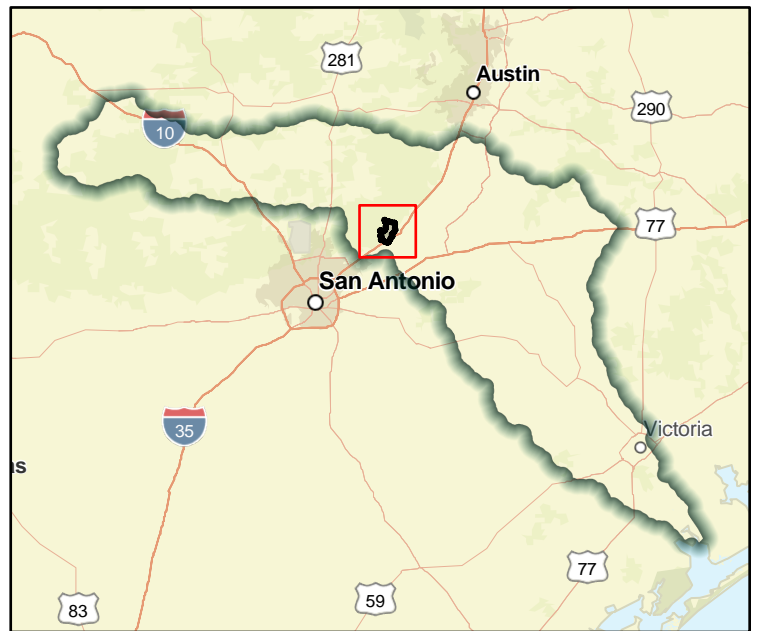
Estimated Cost and Funding Availability

Total Cost **\$878,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of New Braunfels Dry Comal Creek Tributary East Watershed Project Planning**

ID# **111000045**

Sponsor (name of entity, not person) **New Braunfels (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **9** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **1,462** # of structures **347** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

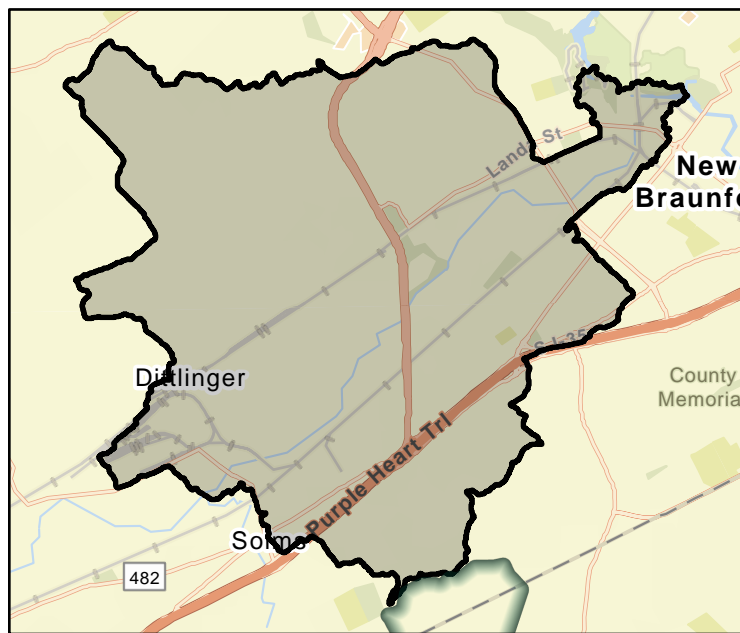
Farm/Ranch land impacted (acres) **223** Roadway(s) impacted (length) **5**

Number of low water crossings **5** Historical road closures **-**

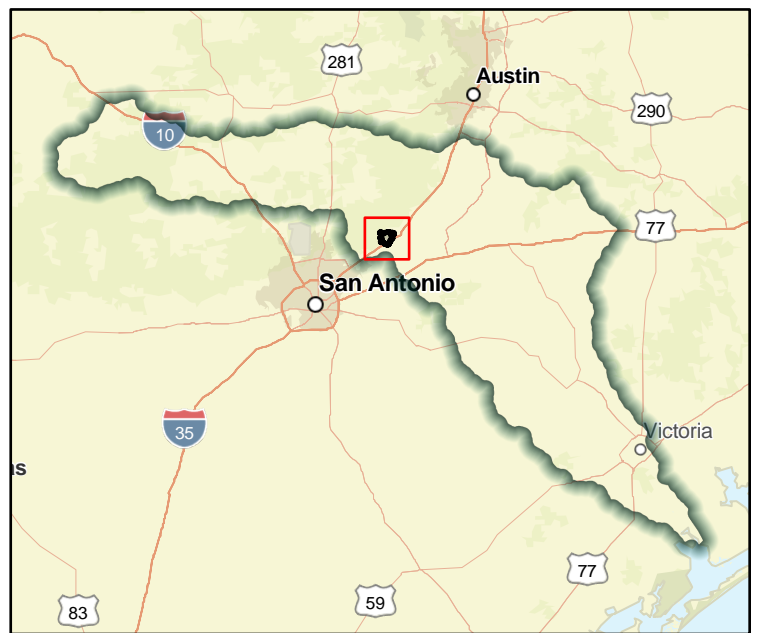
Estimated Cost and Funding Availability

Total Cost **\$344,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of New Braunfels Hunters Creek Regional Project Planning**

ID# **111000047**

Sponsor (name of entity, not person) **New Braunfels (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **14** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **1,463** # of structures **350** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

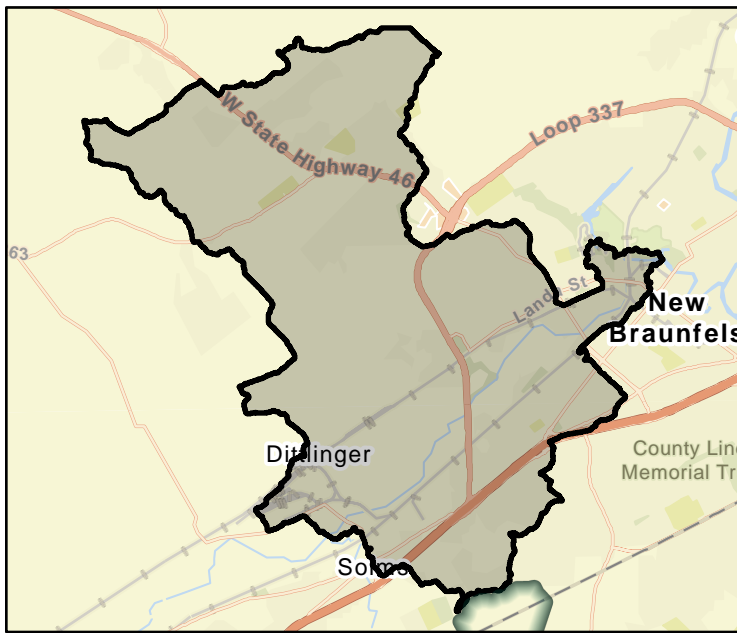
Farm/Ranch land impacted (acres) **233** Roadway(s) impacted (length) **5**

Number of low water crossings **6** Historical road closures **-**

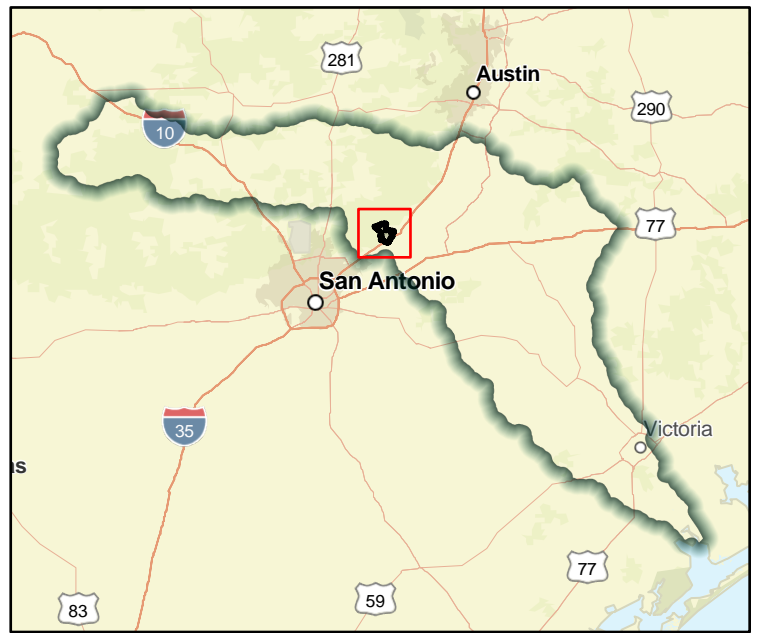
Estimated Cost and Funding Availability

Total Cost **\$211,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of New Braunfels South Guadalupe Tributary Watershed Project Planning**

ID# **111000048**

Sponsor (name of entity, not person) **New Braunfels (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe, Comal** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **4** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **598** # of structures **219** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

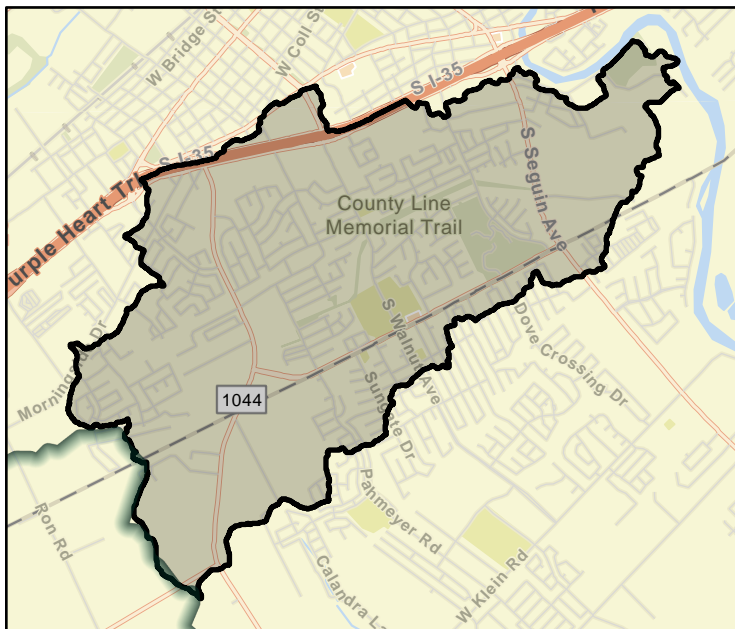
Farm/Ranch land impacted (acres) **3** Roadway(s) impacted (length) **3**

Number of low water crossings **4** Historical road closures **-**

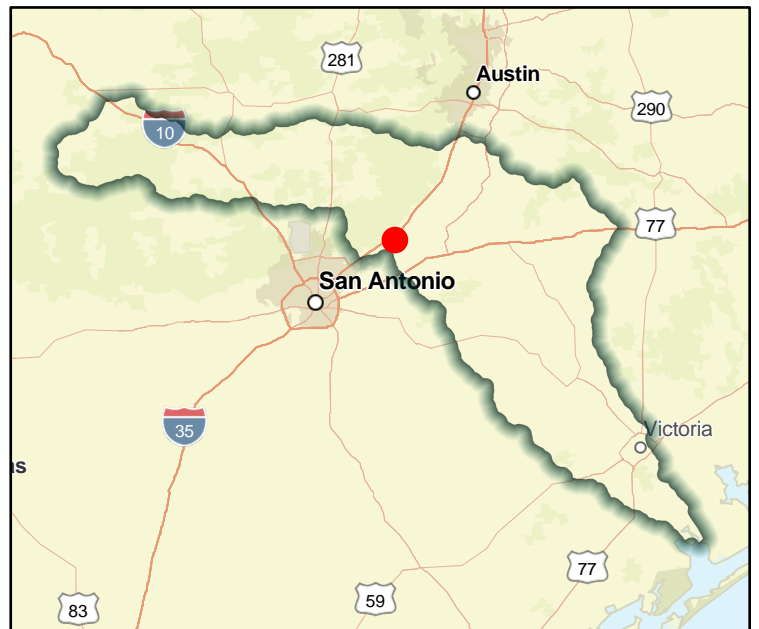
Estimated Cost and Funding Availability

Total Cost **\$168,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of New Braunfels Dry Comal Creek West Watershed Project Planning**

ID# **111000049**

Sponsor (name of entity, not person) **New Braunfels (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Project planning for solutions to minimize flooding issues within the Cedar Elm Street, Landa-Madeline drainage area.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **9** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **1,462** # of structures **347** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

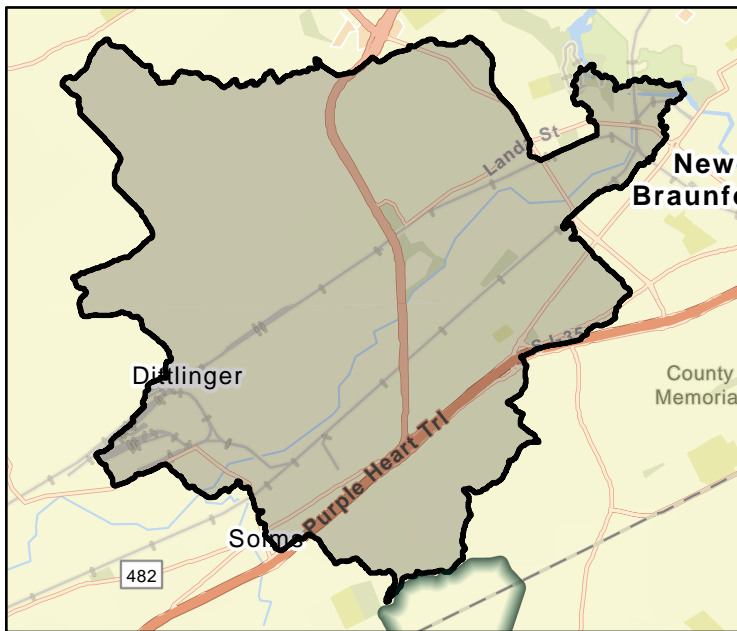
Farm/Ranch land impacted (acres) **223** Roadway(s) impacted (length) **5**

Number of low water crossings **5** Historical road closures **-**

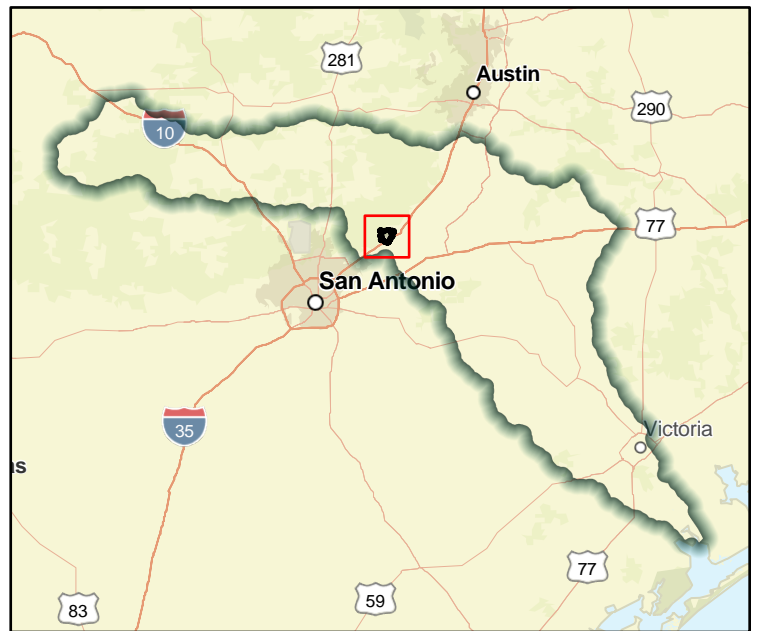
Estimated Cost and Funding Availability

Total Cost **\$126,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Niederwald Engineering Review of City Hall**

ID# **111000051**

Sponsor (name of entity, not person) **Niederwald (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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).**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell,Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **4** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **24** # of structures **9** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

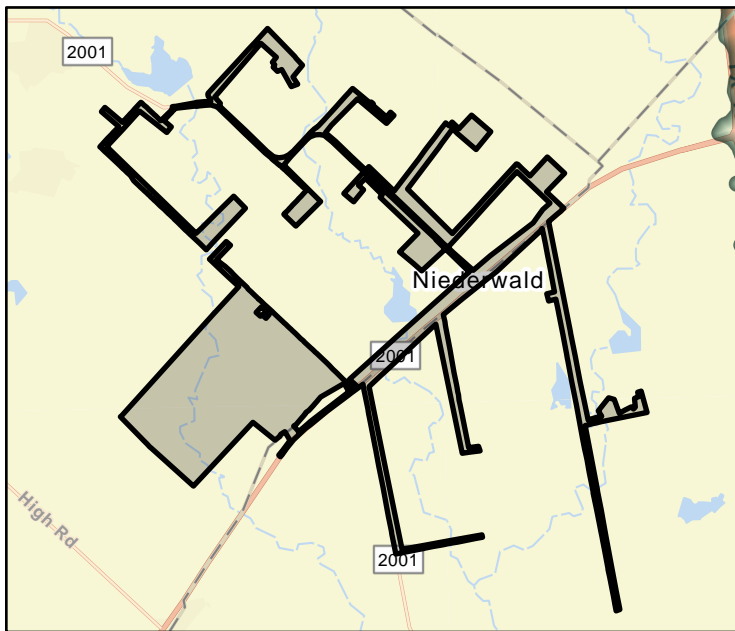
Farm/Ranch land impacted (acres) **150** Roadway(s) impacted (length) **1**

Number of low water crossings **2** Historical road closures **-**

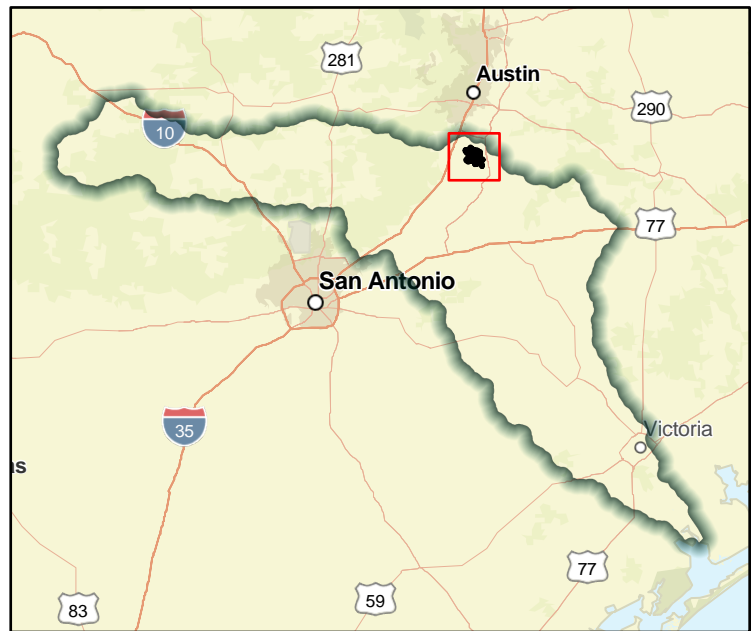
Estimated Cost and Funding Availability

Total Cost **\$10,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Nixon Voluntary Buyout Program Project Planning**

ID# **111000052**

Sponsor (name of entity, not person) **Nixon (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to develop and implement a program to buyout NFIP repetitive loss properties.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Gonzales, Wilson** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **2** Goal(s) **11000003, 11000004, 11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **22** # of structures **13** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

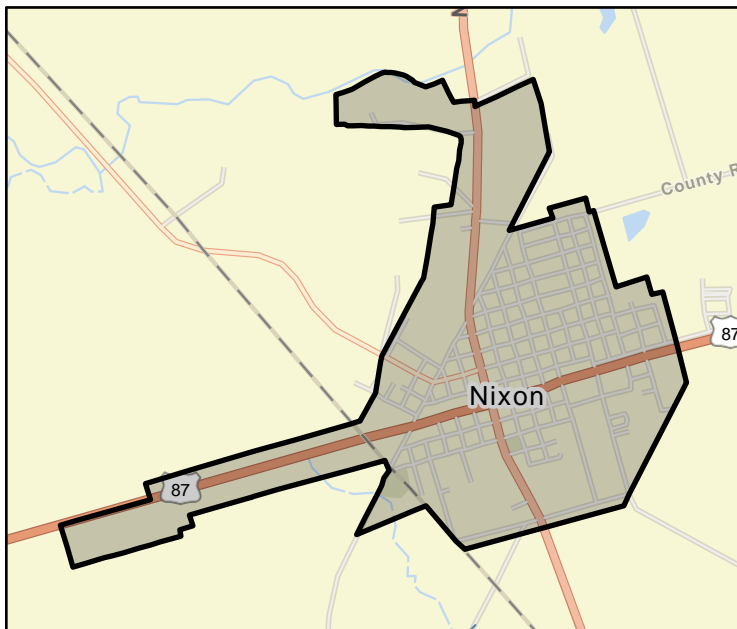
Farm/Ranch land impacted (acres) **6** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **-**

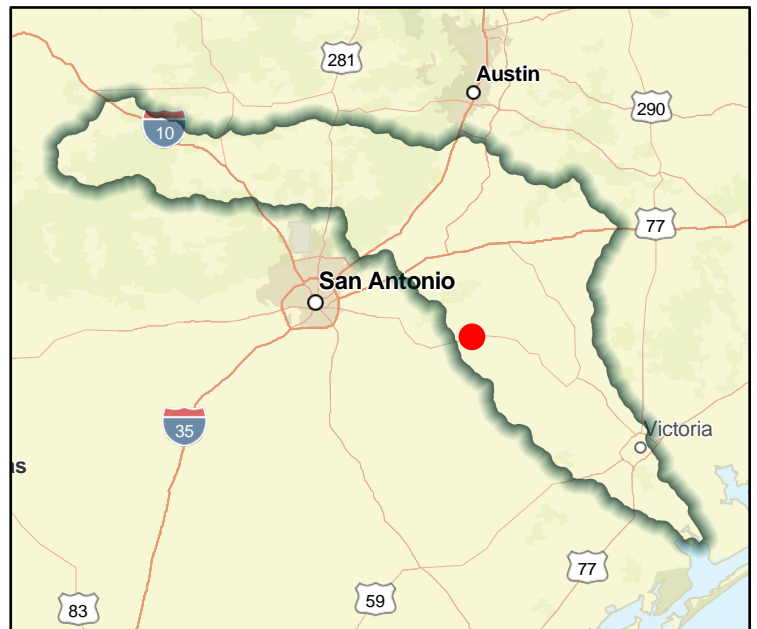
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of San Marcos Regional Detention Study**

ID# **111000054**

Sponsor (name of entity, not person) **San Marcos (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Study of solutions for regional detention and water quality strategies.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe,Comal,Caldwell,Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **113** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **15,045** # of structures **3,190** Critical facilities **15**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

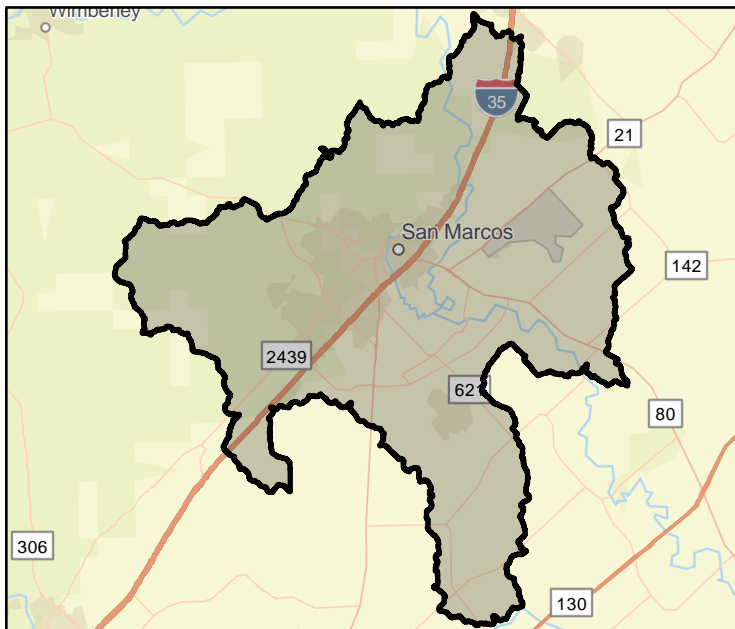
Farm/Ranch land impacted (acres) **3,685** Roadway(s) impacted (length) **71**

Number of low water crossings **38** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$200,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title City of San Marcos Modeling of Purgatory Creek and Willow Springs Creek Overflow Area

ID# 111000055

Sponsor (name of entity, not person) San Marcos (Municipality)

RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type Watershed Planning

Study description 2-Dimensional Modeling of the Purgatory Creek and Willow Springs Creek Overflow Area

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes

County Hays Watershed HUC# (if known) 12100203

Drainage area (Square miles, est.) 0 Goal(s) 11000009, 11000010

100-Year Flood Risk Summary

Population at risk 349 # of structures 159 Critical facilities 0

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

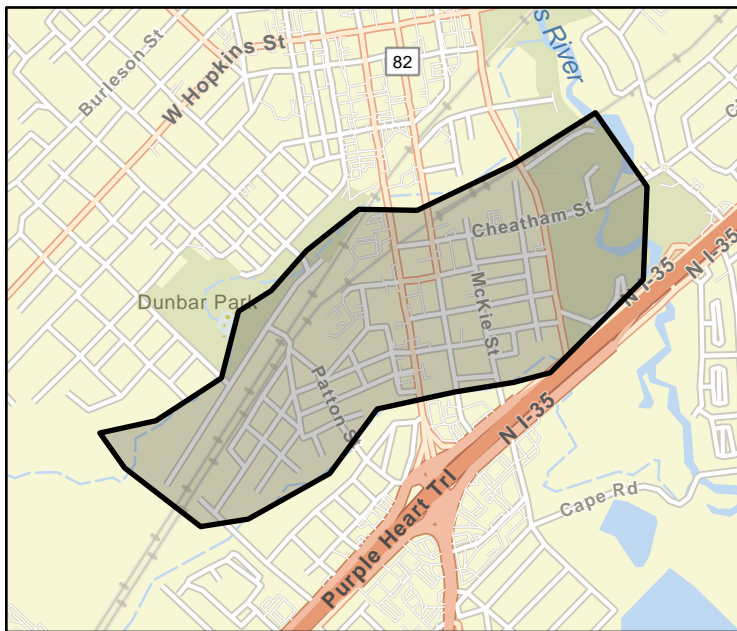
Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (length) 3

Number of low water crossings 0 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$271,000 Amount of Available Funding TBD Federal funding availability No

Funding source -



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of San Marcos Low Water Crossing at Jackman Project Planning**

ID# **111000056**

Sponsor (name of entity, not person) **San Marcos (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to replace low water crossing at Jackman**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal,Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **19** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **1,210** # of structures **221** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

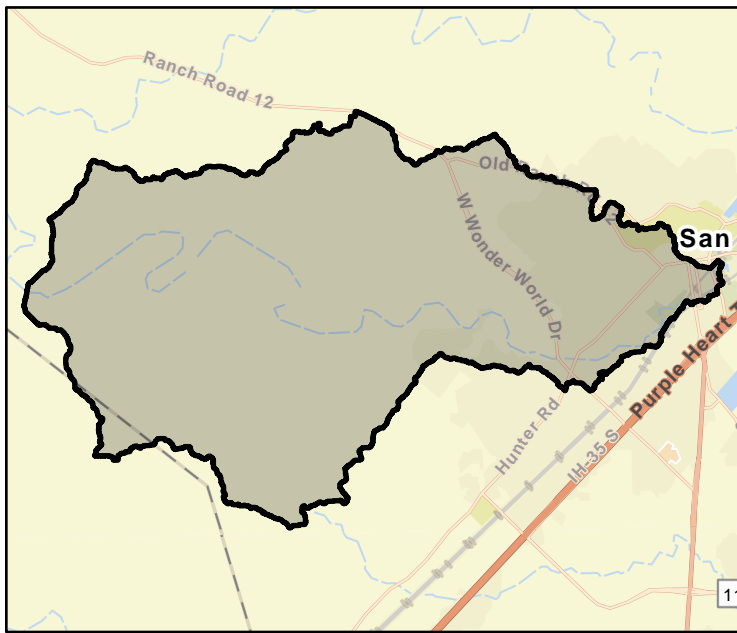
Farm/Ranch land impacted (acres) **392** Roadway(s) impacted (length) **4**

Number of low water crossings **2** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of San Marcos Low Water Crossing at Mitchell and Purgatory Creek Project Planning**

ID# **111000057**

Sponsor (name of entity, not person) **San Marcos (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to replace low water crossing at Mitchell and Purgatory Creek**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal,Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **19** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **1,210** # of structures **221** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

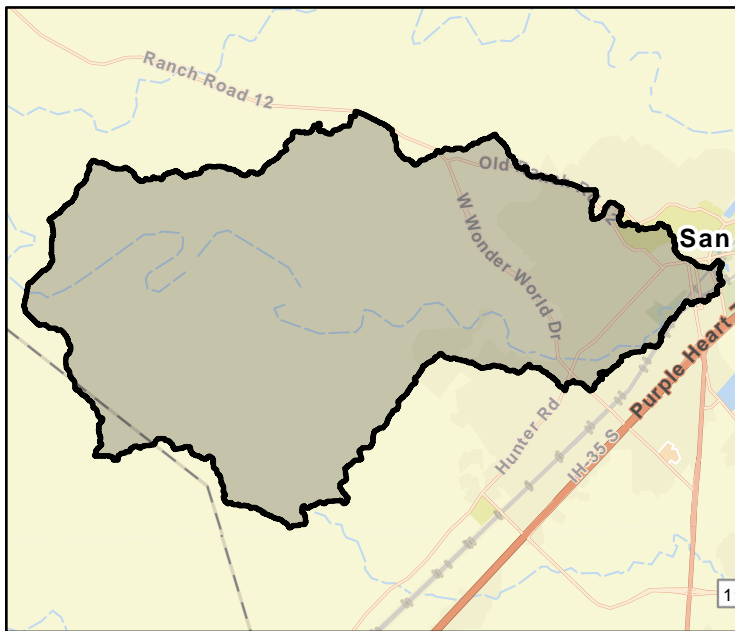
Farm/Ranch land impacted (acres) **392** Roadway(s) impacted (length) **4**

Number of low water crossings **2** Historical road closures **-**

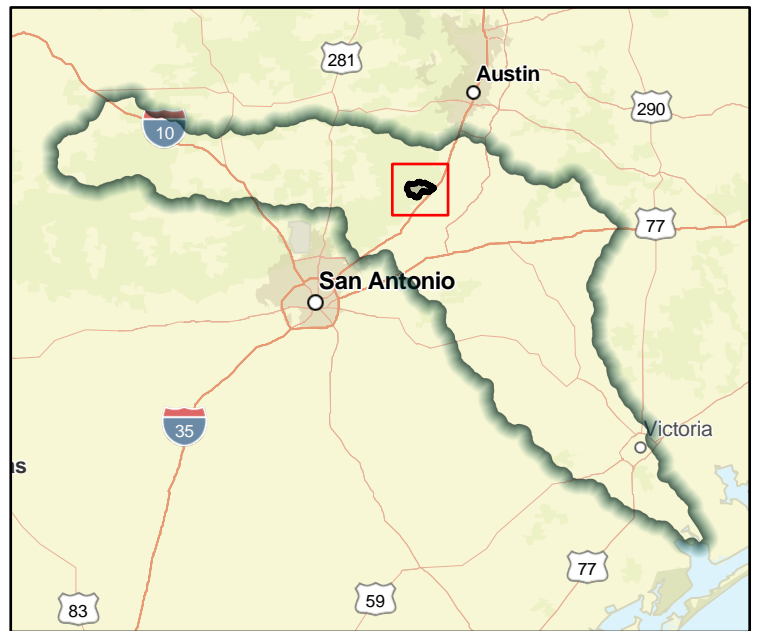
Estimated Cost and Funding Availability

Total Cost **\$200,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title City of San Marcos LWC at River Road and Railroad Trestle/Blanco River Project Planning

ID# 111000058

Sponsor (name of entity, not person) San Marcos (Municipality)

RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type Project Planning

Study description Project planning to replace low water crossing at River Road and Railroad Trestle/Blanco River

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes

County Hays Watershed HUC# (if known) 12100203

Drainage area (Square miles, est.) 11 Goal(s) 11000001, 11000002

100-Year Flood Risk Summary

Population at risk 5,226 # of structures 758 Critical facilities 2

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

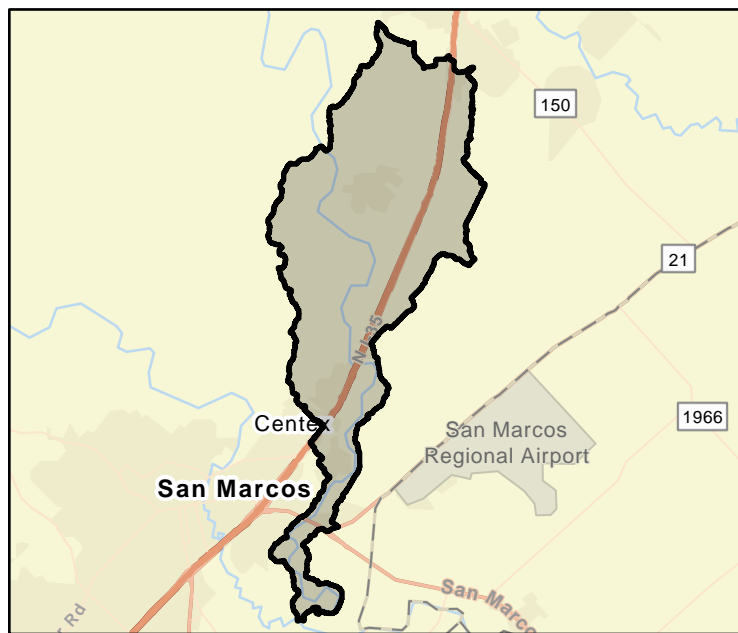
Farm/Ranch land impacted (acres) 420 Roadway(s) impacted (length) 18

Number of low water crossings 4 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$150,000 Amount of Available Funding TBD Federal funding availability No

Funding source -



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of San Marcos LWC at S LBJ and Purgatory Creek Project Planning**

ID# **111000059**

Sponsor (name of entity, not person) **San Marcos (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to replace low water crossing at S LBJ and Purgatory Creek**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal,Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **19** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **1,210** # of structures **221** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

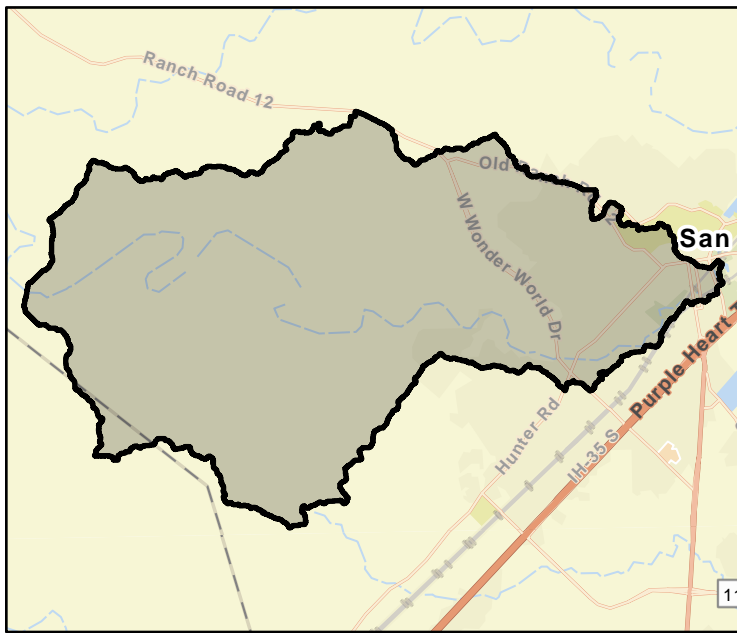
Farm/Ranch land impacted (acres) **392** Roadway(s) impacted (length) **4**

Number of low water crossings **2** Historical road closures **-**

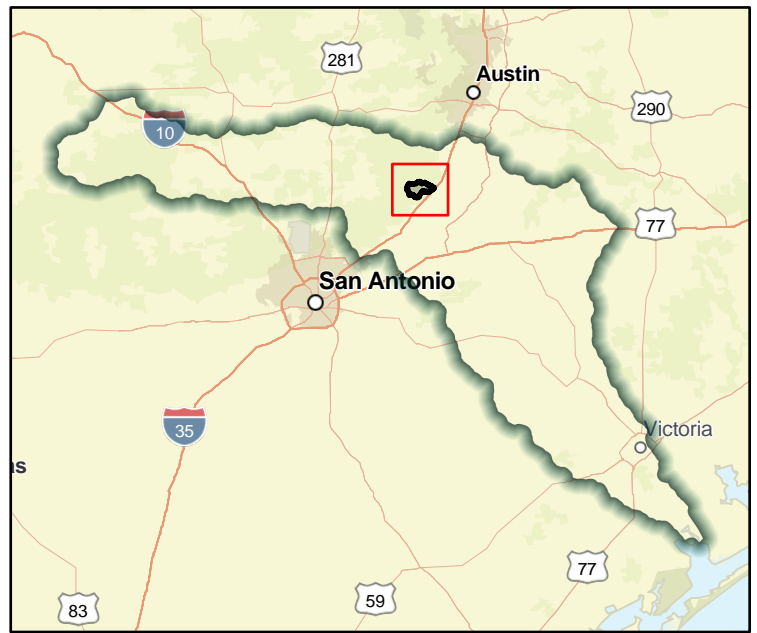
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of San Marcos - Extension of River Ridge Parkway West Project Planning**

ID# **111000060**

Sponsor (name of entity, not person) **San Marcos (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project identified through the San Marcos Transportation Plan, to increase the ability to divert traffic during flooding events**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **11** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **5,226** # of structures **758** Critical facilities **2**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **420** Roadway(s) impacted (length) **18**

Number of low water crossings **4** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$298,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Seguin Drainage Improvements Study**

ID# **111000061**

Sponsor (name of entity, not person) **Seguin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Study of solutions to increase drainage capacity, add stormwater detention and/or retention basins, and implement drainage improvements as deemed necessary to reduce flood risk.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe** Watershed HUC# (if known) **12100202,12100203**

Drainage area (Square miles, est.) **186** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **4,550** # of structures **1,956** Critical facilities **12**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

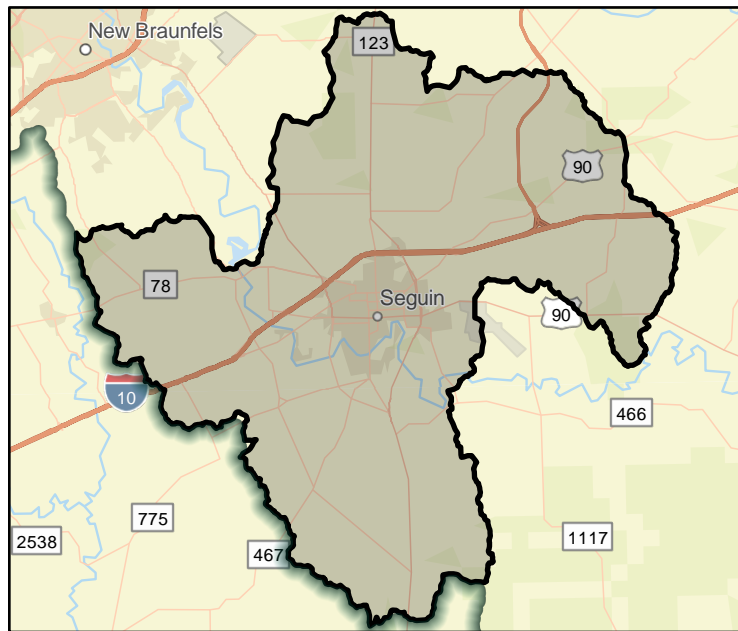
Farm/Ranch land impacted (acres) **5,800** Roadway(s) impacted (length) **53**

Number of low water crossings **52** Historical road closures **-**

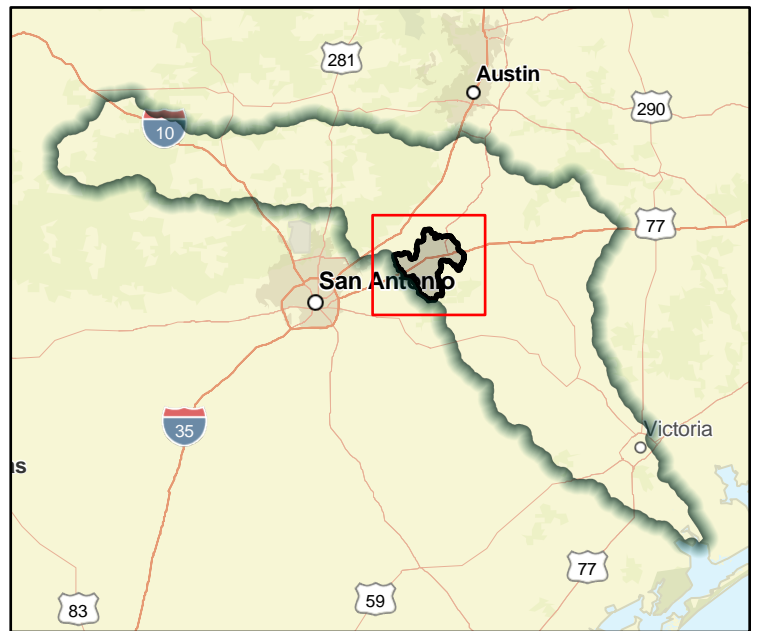
Estimated Cost and Funding Availability

Total Cost **\$1,100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Seguin Low Water Crossing Improvements Study**

ID# **111000062**

Sponsor (name of entity, not person) **Seguin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Study of solutions for drainage improvements at low water crossings.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe** Watershed HUC# (if known) **12100202,12100203**

Drainage area (Square miles, est.) **186** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **4,550** # of structures **1,956** Critical facilities **12**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

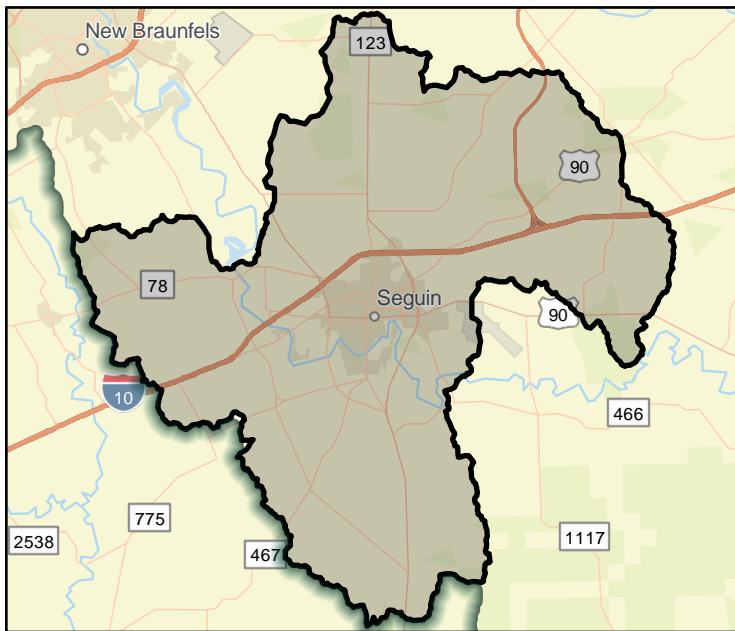
Farm/Ranch land impacted (acres) **5,800** Roadway(s) impacted (length) **53**

Number of low water crossings **52** Historical road closures **-**

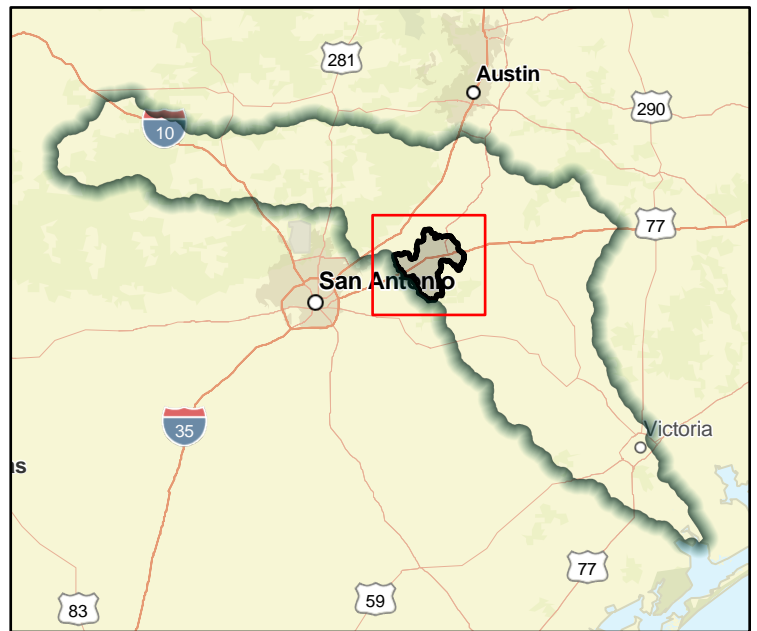
Estimated Cost and Funding Availability

Total Cost **\$1,500,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Seguin Ingress Egress Improvements Project Planning**

ID# **111000063**

Sponsor (name of entity, not person) **Seguin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Preparedness**

Study description **Project planning for proposed project to provide/construct additional means of access into single-entry neighborhoods; Update subdivision codes for a higher level of ingress and egress.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **38** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **2,283** # of structures **846** Critical facilities **5**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

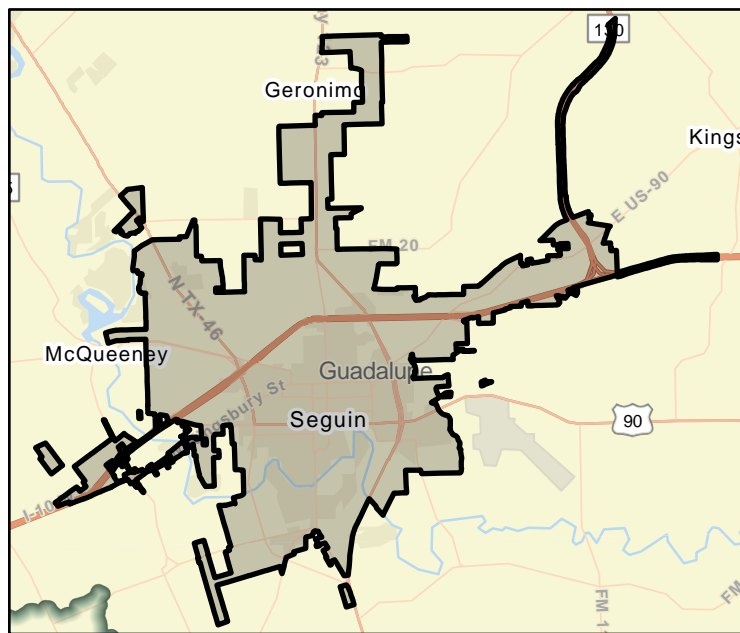
Farm/Ranch land impacted (acres) **1,157** Roadway(s) impacted (length) **25**

Number of low water crossings **8** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Seguin City-wide Drainage Improvements Project Planning**

ID# **111000064**

Sponsor (name of entity, not person) **Seguin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to increase Regional Detention, Channel & Drainage System Improvements.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **38** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **2,283** # of structures **846** Critical facilities **5**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

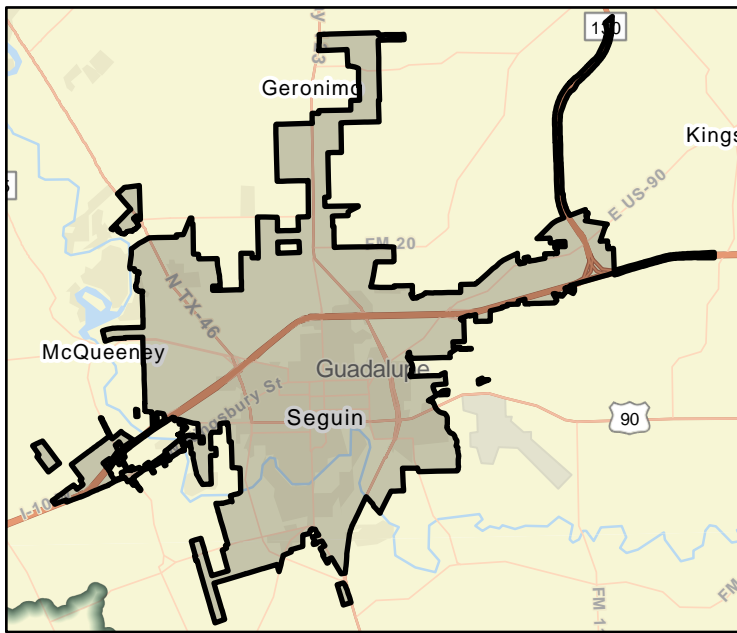
Farm/Ranch land impacted (acres) **1,157** Roadway(s) impacted (length) **25**

Number of low water crossings **8** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$200,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Seguin Voluntary Buyout Program Project Planning**

ID# **111000065**

Sponsor (name of entity, not person) **Seguin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **38** Goal(s) **11000003, 11000004, 11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **2,283** # of structures **846** Critical facilities **5**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

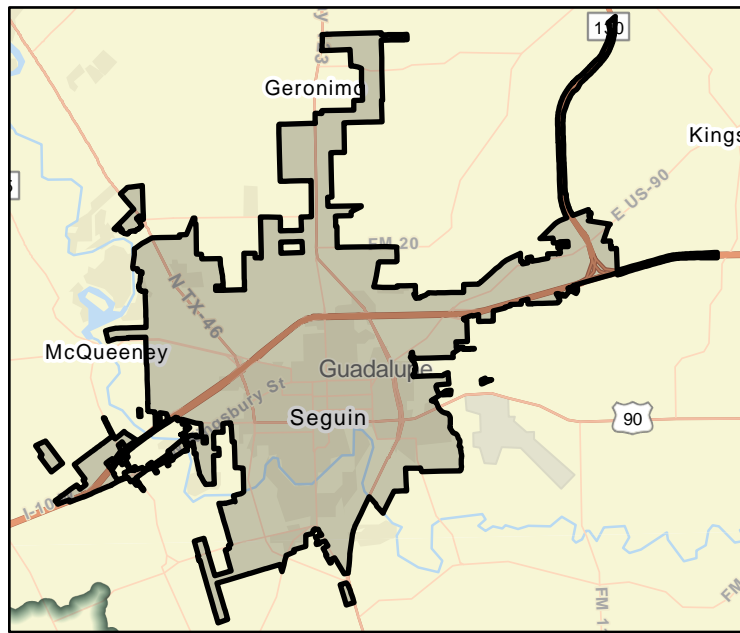
Farm/Ranch land impacted (acres) **1,157** Roadway(s) impacted (length) **25**

Number of low water crossings **8** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$300,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Seguin Citywide Drainage Project Planning**

ID# **111000066**

Sponsor (name of entity, not person) **Seguin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **38** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **2,283** # of structures **846** Critical facilities **5**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

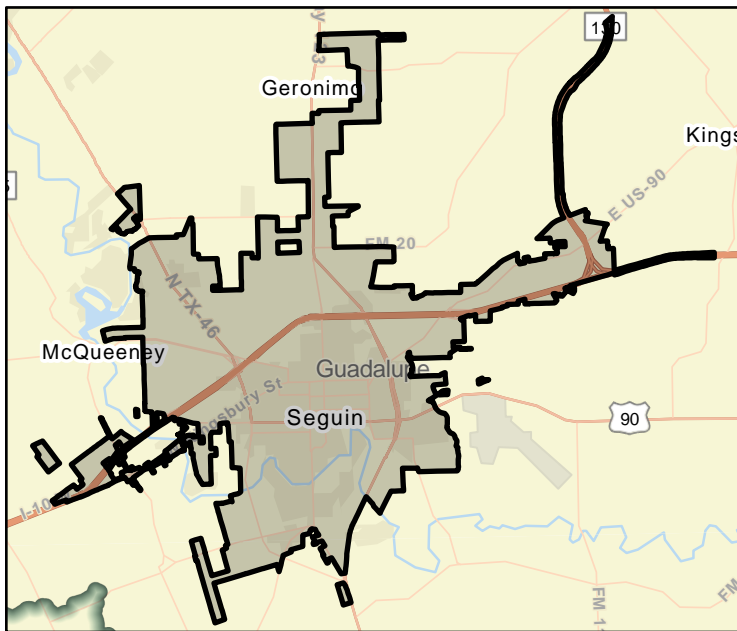
Farm/Ranch land impacted (acres) **1,157** Roadway(s) impacted (length) **25**

Number of low water crossings **8** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$4,304,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Seguin Sewage Treatment Plant Floodproofing Project Planning**

ID# **111000067**

Sponsor (name of entity, not person) **Seguin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to flood-proof sewage treatment plants in flood hazard / low-lying areas.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **7** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **889** # of structures **347** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

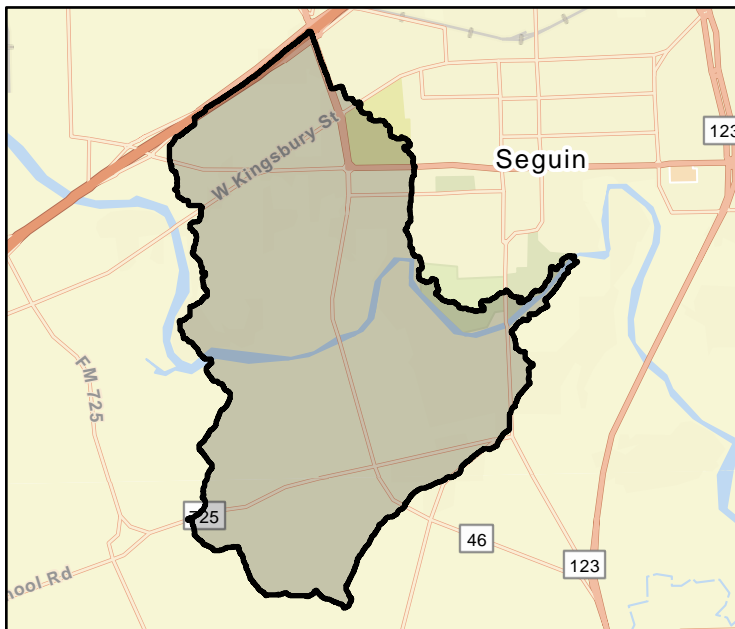
Farm/Ranch land impacted (acres) **136** Roadway(s) impacted (length) **9**

Number of low water crossings **1** Historical road closures **-**

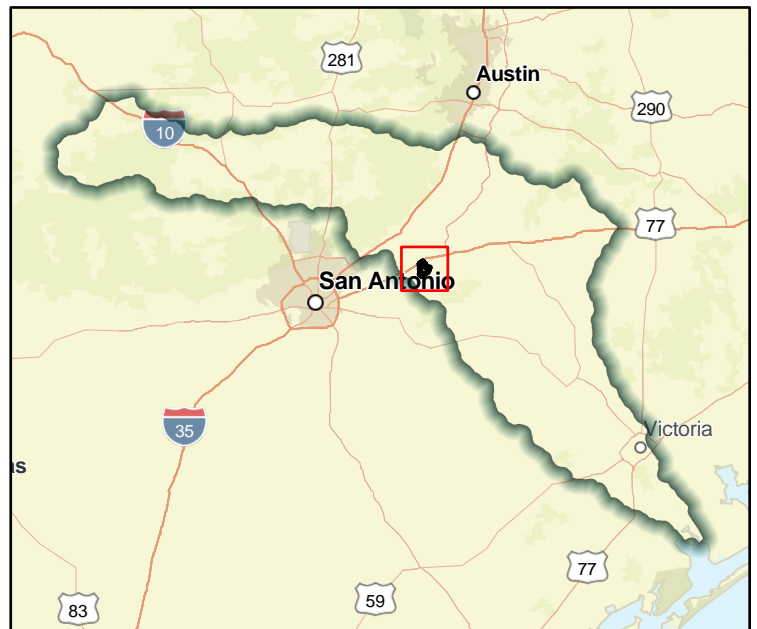
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Umland Drainage Improvement Project Planning**

ID# **111000068**

Sponsor (name of entity, not person) **Umland (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell,Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **36** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **599** # of structures **223** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

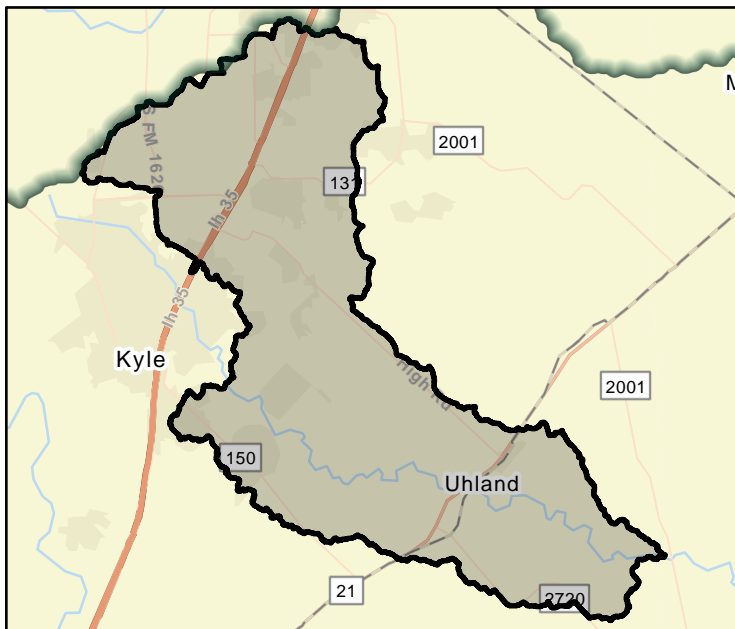
Farm/Ranch land impacted (acres) **1,027** Roadway(s) impacted (length) **7**

Number of low water crossings **18** Historical road closures **-**

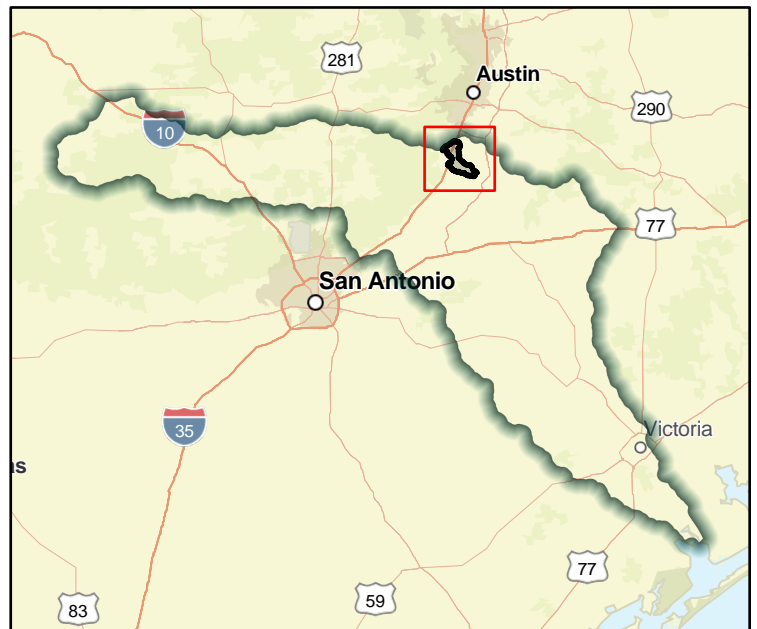
Estimated Cost and Funding Availability

Total Cost **\$1,334,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Victoria Drainage Improvement Study**

ID# **111000069**

Sponsor (name of entity, not person) **Victoria (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Study of solutions to increase dimensions of drainage culverts in areas prone to flooding and/or drainage problems in various City locations.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100204**

Drainage area (Square miles, est.) **51** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,337** # of structures **1,313** Critical facilities **35**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **4,968** Roadway(s) impacted (length) **64**

Number of low water crossings **1** Historical road closures **-**

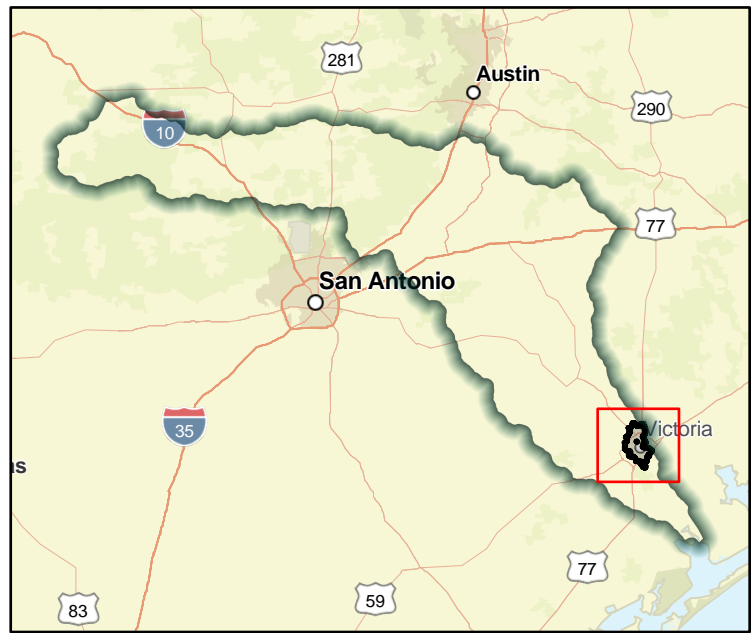
Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Victoria Harden Critical Infrastructure Project Planning**

ID# **111000070**

Sponsor (name of entity, not person) **Victoria (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100204**

Drainage area (Square miles, est.) **51** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,337** # of structures **1,313** Critical facilities **35**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **4,968** Roadway(s) impacted (length) **64**

Number of low water crossings **1** Historical road closures **-**

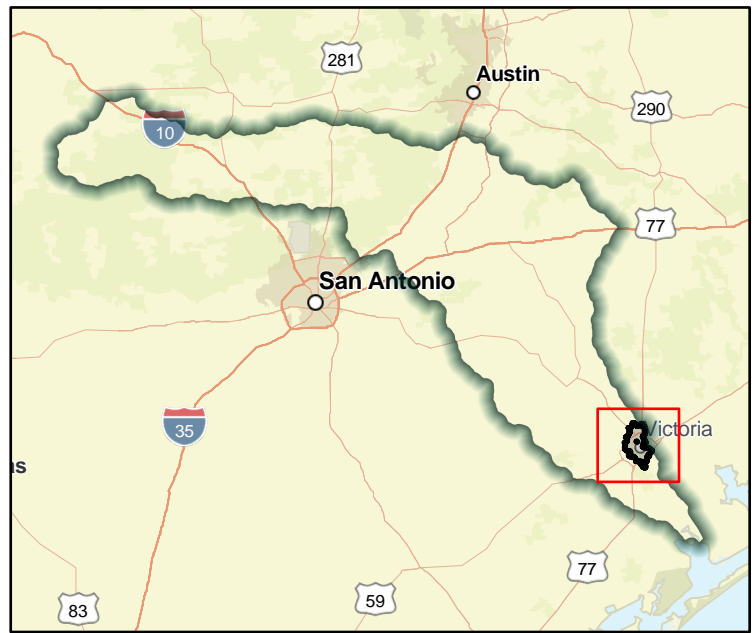
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Victoria Voluntary Buyout Program Project Planning**

ID# **111000071**

Sponsor (name of entity, not person) **Victoria (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to implement a voluntary acquisition program for repetitive flood properties.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100204**

Drainage area (Square miles, est.) **37** Goal(s) **11000003, 11000004, 11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,181** # of structures **1,139** Critical facilities **24**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

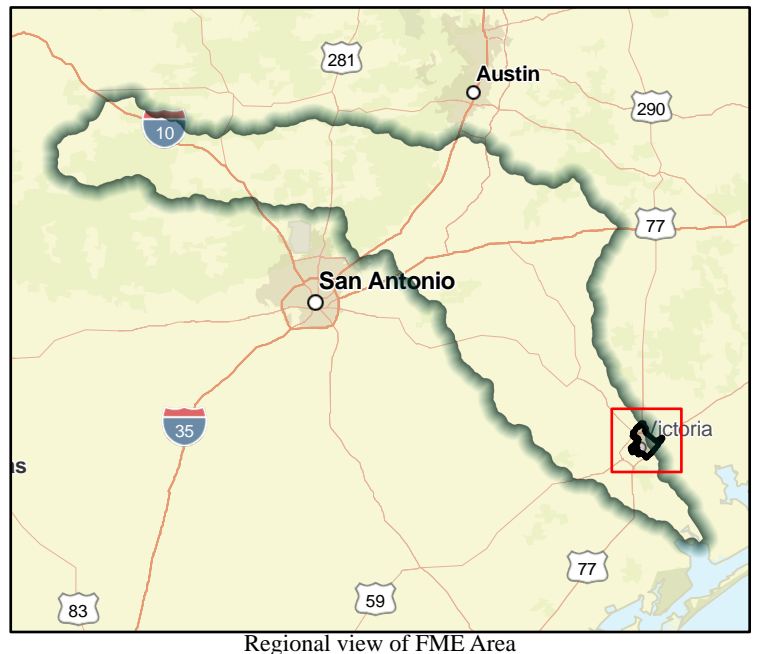
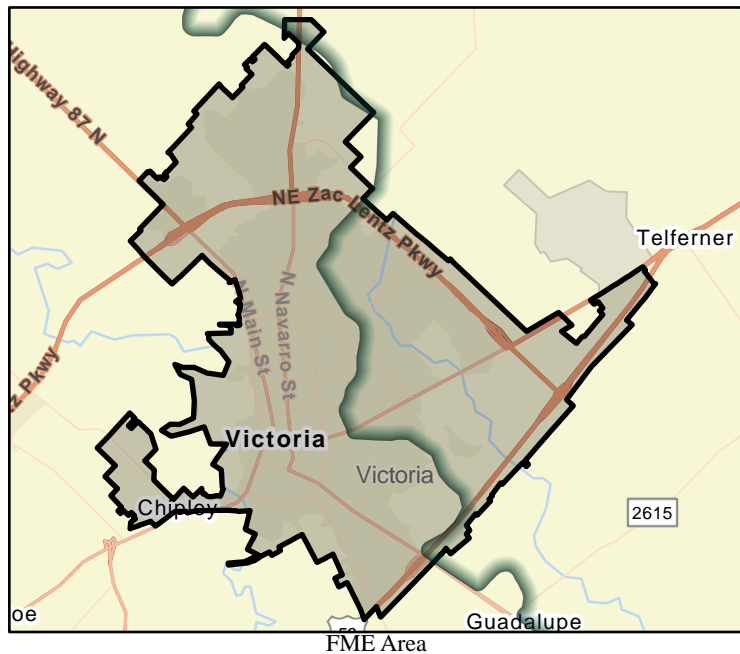
Farm/Ranch land impacted (acres) **111** Roadway(s) impacted (length) **36**

Number of low water crossings **0** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



Flood Management Evaluation (FME)



Title **City of Victoria Flood Gate Project Planning**

ID# **111000072**

Sponsor (name of entity, not person) **Victoria (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100204**

Drainage area (Square miles, est.) **51** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,337** # of structures **1,313** Critical facilities **35**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

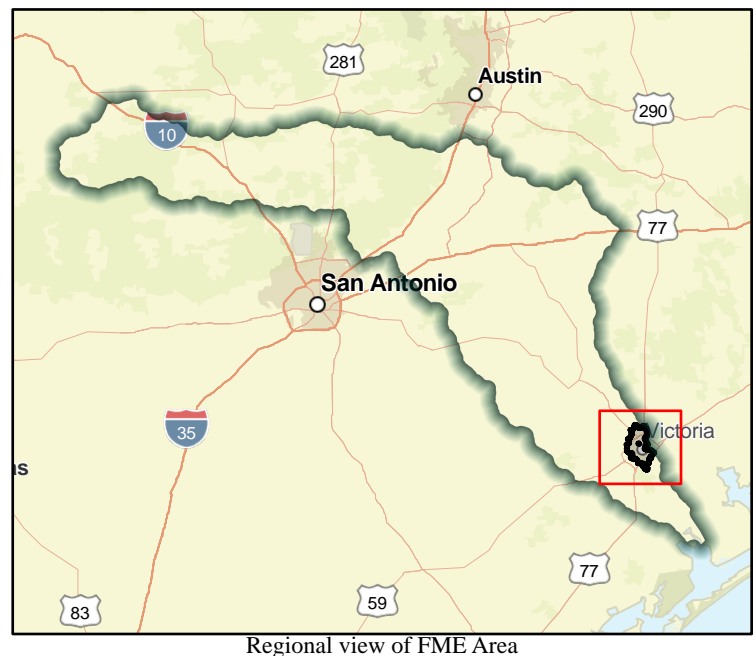
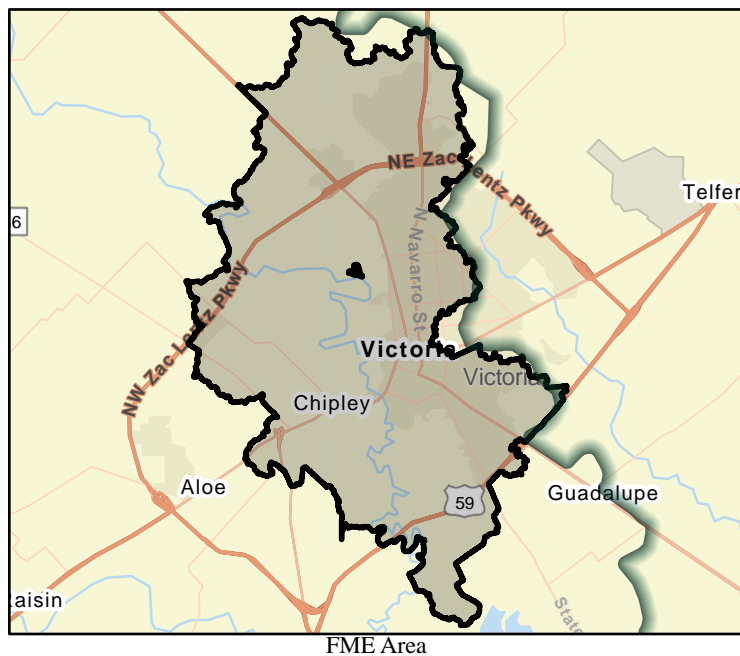
Farm/Ranch land impacted (acres) **4,968** Roadway(s) impacted (length) **64**

Number of low water crossings **1** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$45,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



Flood Management Evaluation (FME)



Title **City of Victoria Regional Drainage Solutions Project Planning**

ID# **111000073**

Sponsor (name of entity, not person) **Victoria (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100204**

Drainage area (Square miles, est.) **51** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,337** # of structures **1,313** Critical facilities **35**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

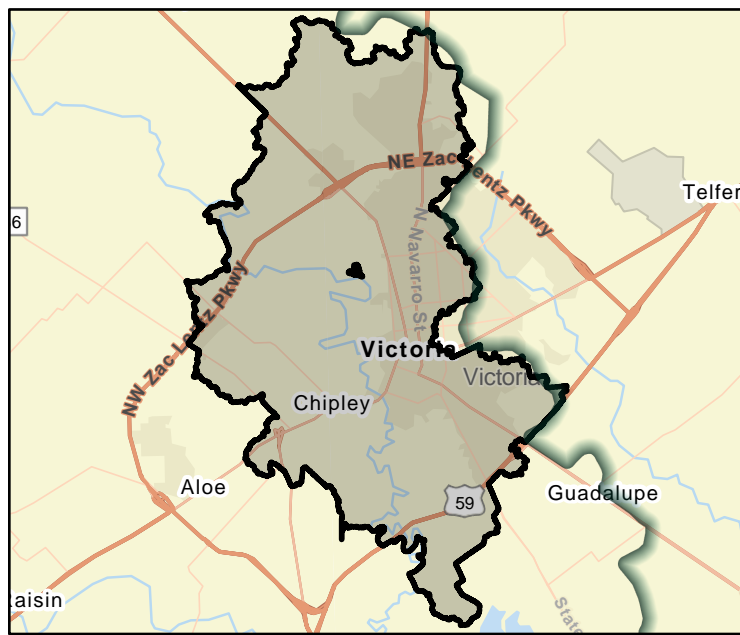
Farm/Ranch land impacted (acres) **4,968** Roadway(s) impacted (length) **64**

Number of low water crossings **1** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$1,327,962** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Victoria - Storm Sewer Improvements Project Planning**

ID# **111000074**

Sponsor (name of entity, not person) **Victoria (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100204**

Drainage area (Square miles, est.) **51** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,337** # of structures **1,313** Critical facilities **35**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **4,968** Roadway(s) impacted (length) **64**

Number of low water crossings **1** Historical road closures **-**

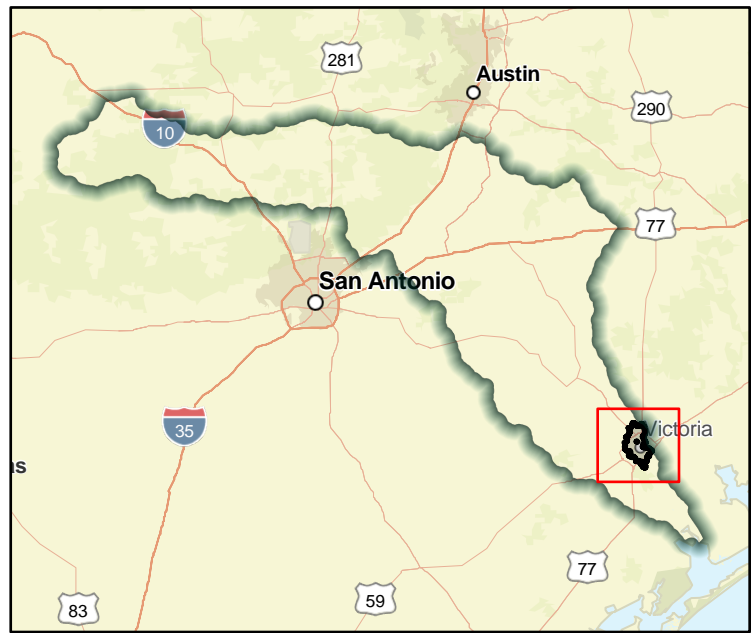
Estimated Cost and Funding Availability

Total Cost **\$3,946,100** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Victoria Clean and Televisive Storm Sewers Project Planning**

ID# **111000075**

Sponsor (name of entity, not person) **Victoria (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100204**

Drainage area (Square miles, est.) **37** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,181** # of structures **1,139** Critical facilities **24**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

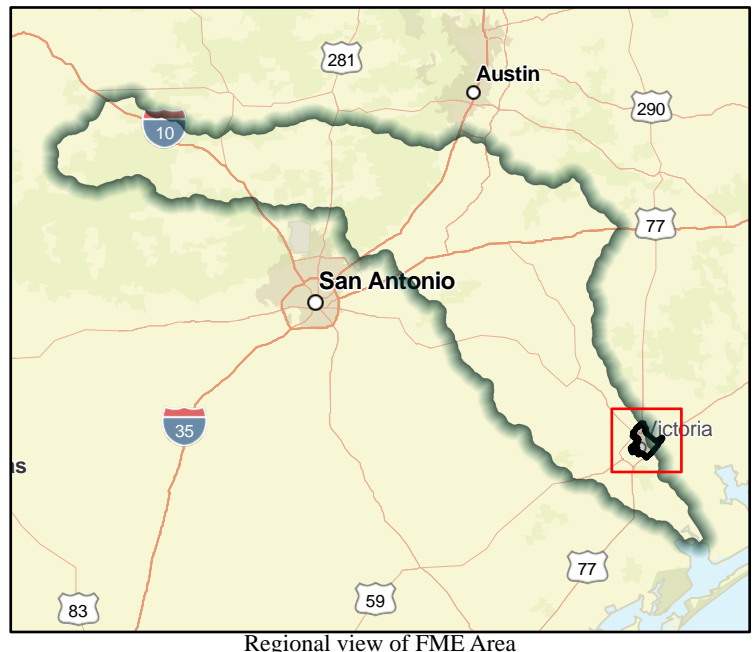
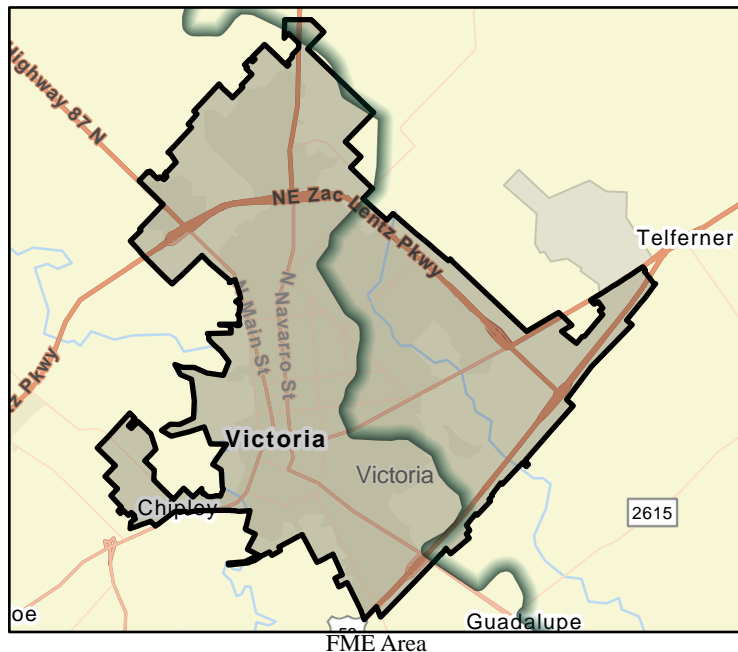
Farm/Ranch land impacted (acres) **111** Roadway(s) impacted (length) **36**

Number of low water crossings **0** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$1,662,106** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



Flood Management Evaluation (FME)



Title City of Victoria Regrade Priority Ditches and Driveway Culverts Project Planning

ID# 111000076

Sponsor (name of entity, not person) Victoria (Municipality)

RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type Project Planning

Study description 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.

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes

County Victoria Watershed HUC# (if known) 12100204

Drainage area (Square miles, est.) 51 Goal(s) 11000009, 11000010

100-Year Flood Risk Summary

Population at risk 3,337 # of structures 1,313 Critical facilities 35

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

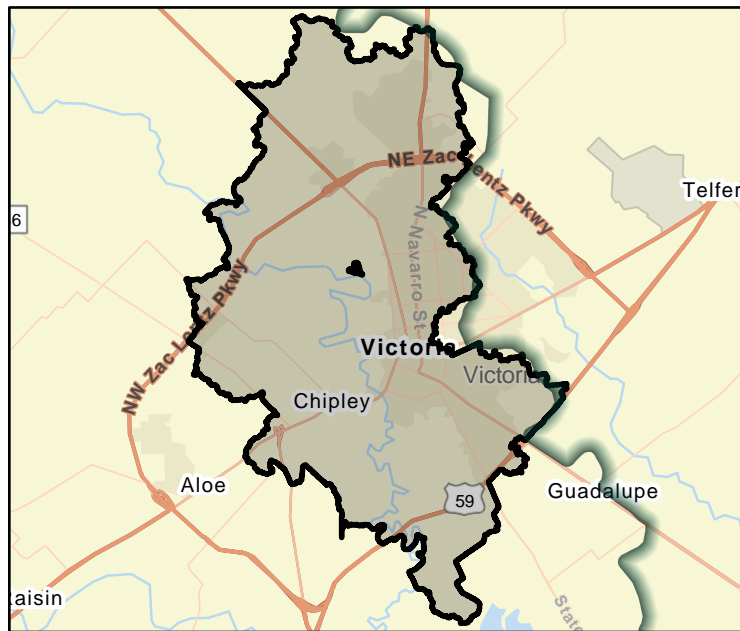
Farm/Ranch land impacted (acres) 4,968 Roadway(s) impacted (length) 64

Number of low water crossings 1 Historical road closures -

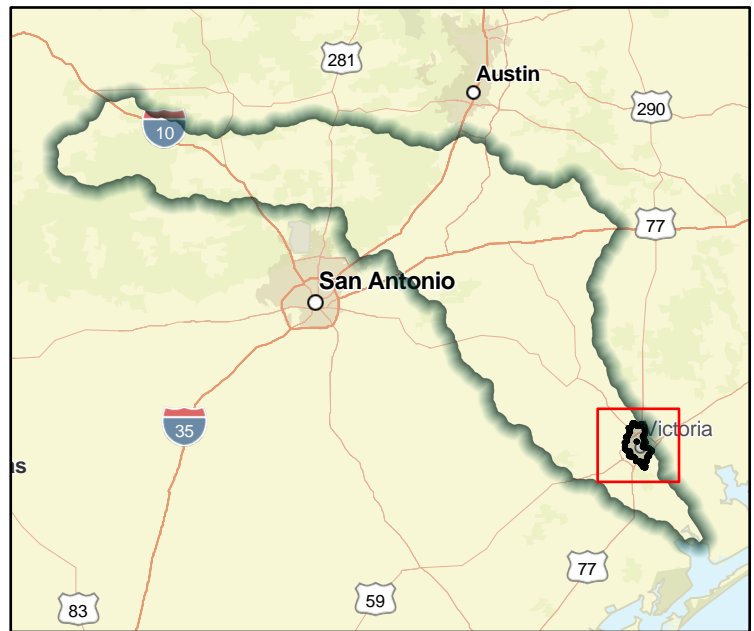
Estimated Cost and Funding Availability

Total Cost \$1,165,853 Amount of Available Funding TBD Federal funding availability No

Funding source -



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Victoria Repair Channel Failures & Sediment Removal Project Planning**

ID# **111000077**

Sponsor (name of entity, not person) **Victoria (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100204**

Drainage area (Square miles, est.) **51** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,337** # of structures **1,313** Critical facilities **35**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **4,968** Roadway(s) impacted (length) **64**

Number of low water crossings **1** Historical road closures **-**

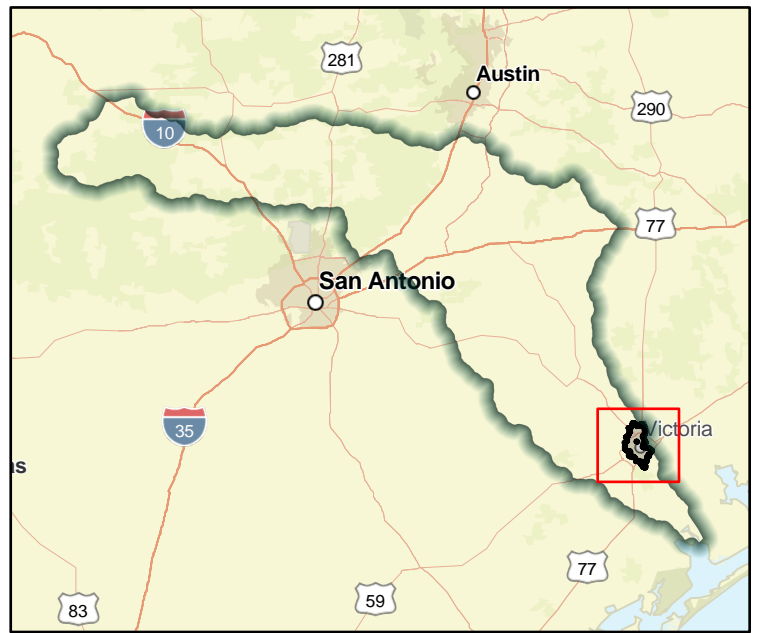
Estimated Cost and Funding Availability

Total Cost **\$276,201** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Victoria Stream Restoration Study**

ID# **111000078**

Sponsor (name of entity, not person) **Victoria (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100204**

Drainage area (Square miles, est.) **51** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,337** # of structures **1,313** Critical facilities **35**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **4,968** Roadway(s) impacted (length) **64**

Number of low water crossings **1** Historical road closures **-**

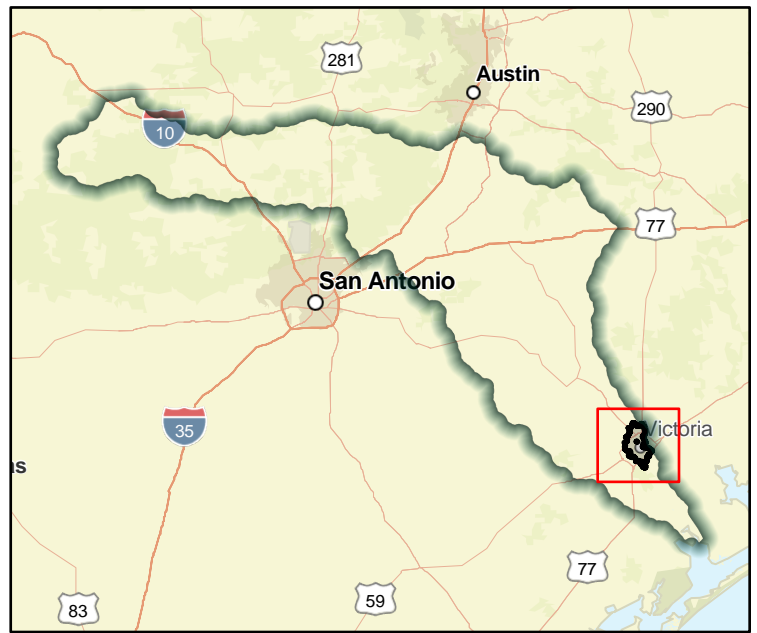
Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Waelder Voluntary Buyout Program Project Planning**

ID# **111000079**

Sponsor (name of entity, not person) **Waelder (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to develop and implement a program to buyout NFIP repetitive loss properties.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Gonzales** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **1** Goal(s) **11000003, 11000004, 11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **207** # of structures **170** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

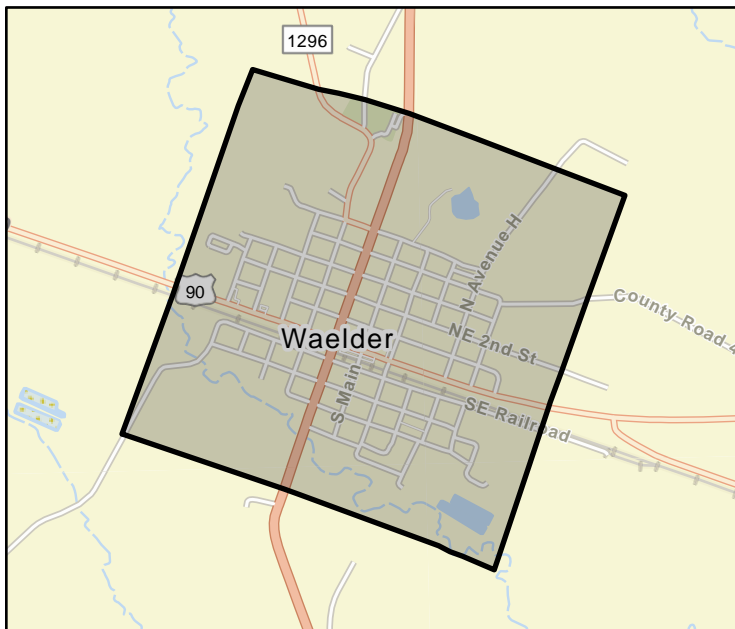
Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **4**

Number of low water crossings **9** Historical road closures **-**

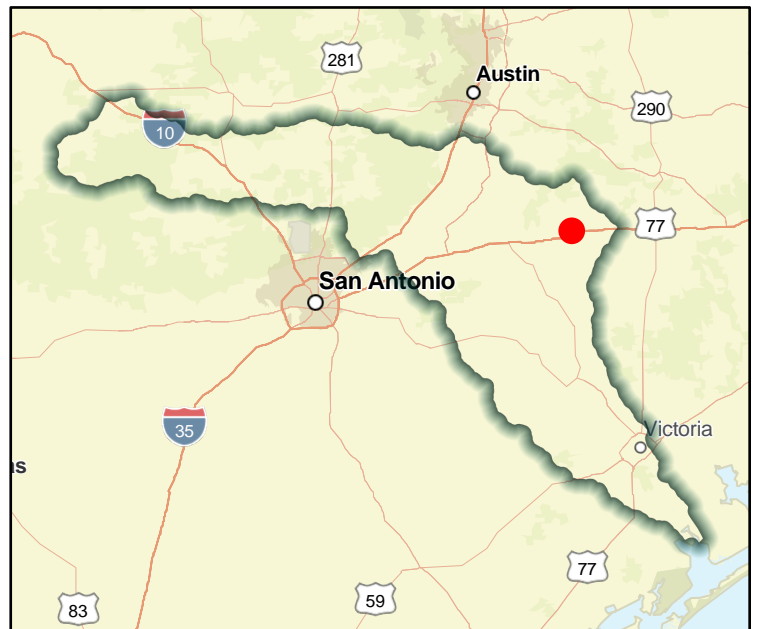
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Wimberley Drainage Master Plan**

ID# **111000080**

Sponsor (name of entity, not person) **Wimberley (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **48** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **1,553** # of structures **771** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

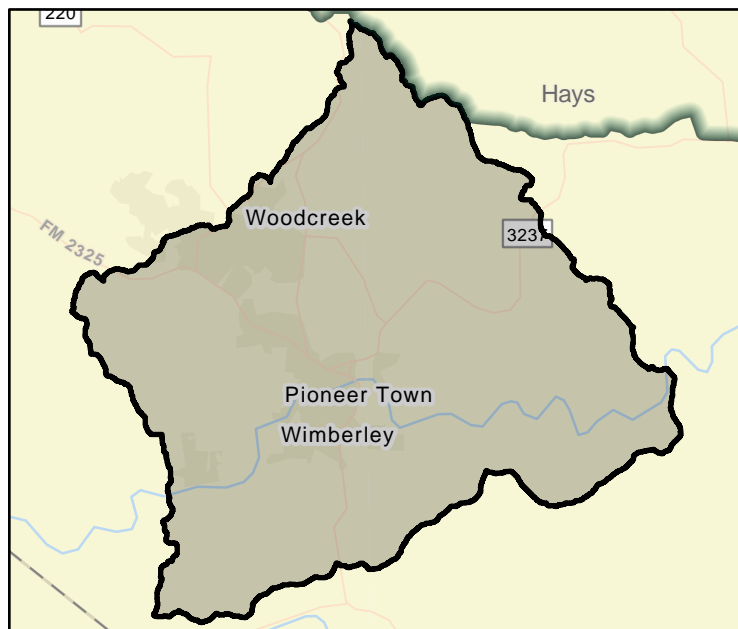
Farm/Ranch land impacted (acres) **859** Roadway(s) impacted (length) **13**

Number of low water crossings **19** Historical road closures **-**

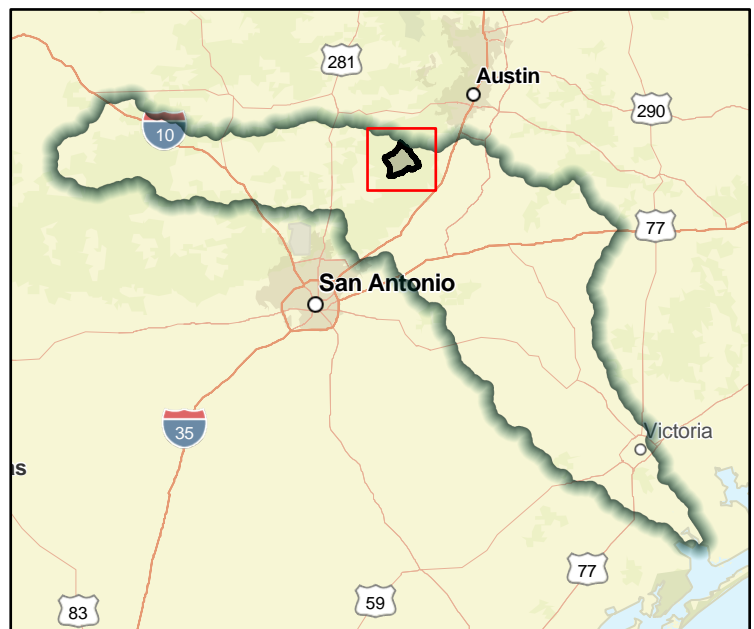
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title City of Wimberley FM 1492 at Blanco River Low Water Crossing Project Planning

ID# 111000081

Sponsor (name of entity, not person) Wimberley (Municipality)

RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type Project Planning

Study description Project planning for proposed project to replace low water crossing at FM 1492 at Blanco River

New Hydrologic or Hydraulic model? Yes

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Hays

Watershed HUC# (if known) 12100203

Drainage area (Square miles, est.) 48

Goal(s) 11000001, 11000002

100-Year Flood Risk Summary

Population at risk 1,553

of structures 771

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 859

Roadway(s) impacted (length) 13

Number of low water crossings 19

Historical road closures -

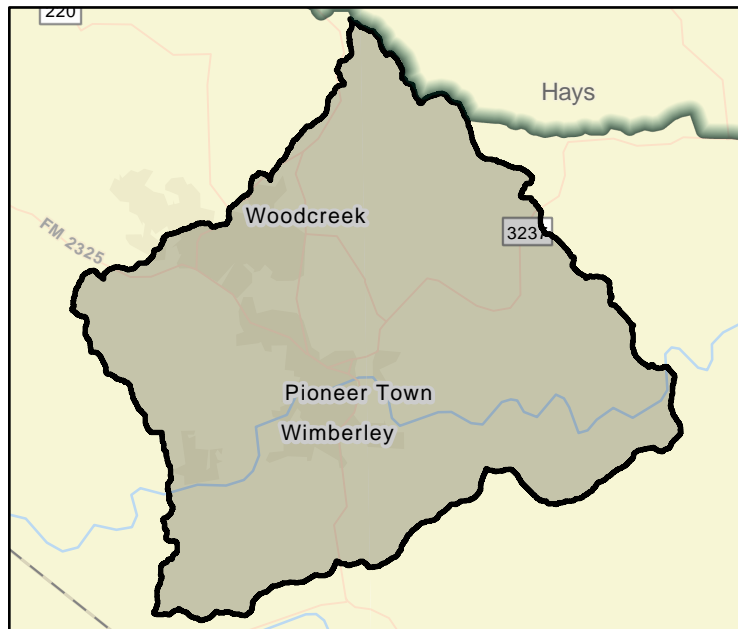
Estimated Cost and Funding Availability

Total Cost \$100,000

Amount of Available Funding TBD

Federal funding availability No

Funding source -



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Wimberley Hidden Valley at Blanco River Low Water Crossing Project Planning**

ID# **111000082**

Sponsor (name of entity, not person) **Wimberley (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to replace low water crossing at Hidden Valley at Blanco River**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **48** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **1,553** # of structures **771** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **859** Roadway(s) impacted (length) **13**

Number of low water crossings **19** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Wimberley Little Arkansas at Blanco River Low Water Crossing Project Planning**

ID# **111000083**

Sponsor (name of entity, not person) **Wimberley (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to replace low water crossing at Little Arkansas at Blanco River**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **48** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **1,553** # of structures **771** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **859** Roadway(s) impacted (length) **13**

Number of low water crossings **19** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Wimberley Valley Drive at Pierce Creek Low Water Crossing Project Planning**

ID# **111000084**

Sponsor (name of entity, not person) **Wimberley (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to replace low water crossing at Valley Drive at Pierce Creek**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **48** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **1,553** # of structures **771** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

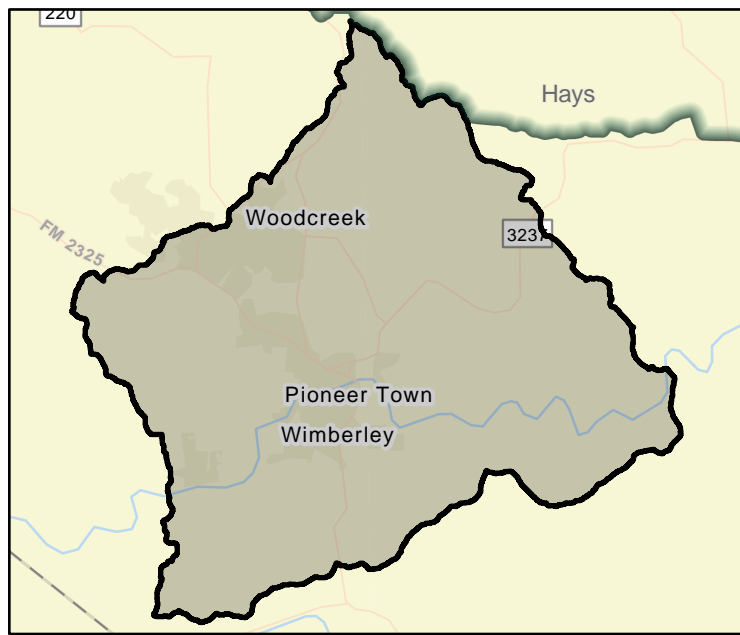
Farm/Ranch land impacted (acres) **859** Roadway(s) impacted (length) **13**

Number of low water crossings **19** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Wimberley Flite Acres Road Low Water Crossing Project Planning**

ID# **111000085**

Sponsor (name of entity, not person) **Wimberley (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to replace low water crossing at Flite Acres Road**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **48** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **1,553** # of structures **771** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

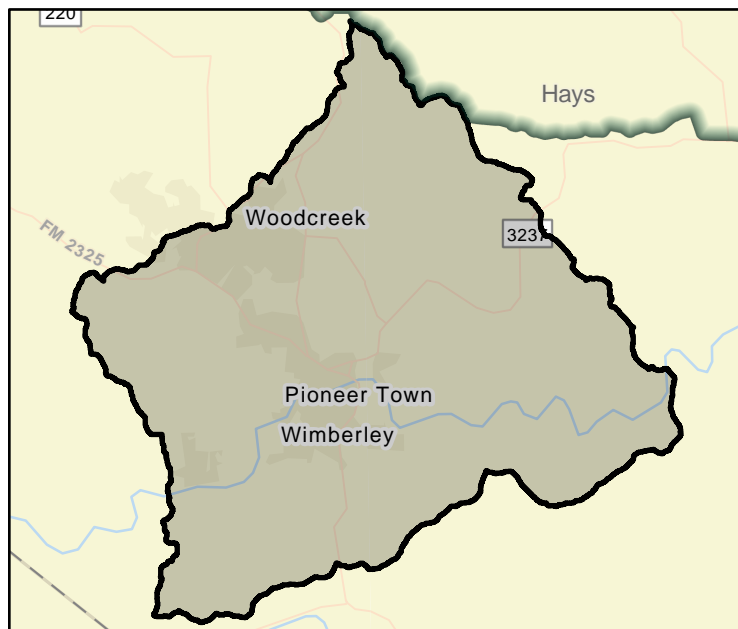
Farm/Ranch land impacted (acres) **859** Roadway(s) impacted (length) **13**

Number of low water crossings **19** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title City of Wimberley FM 1492 at Pierce Creek Low Water Crossing Project Planning

ID# 111000086

Sponsor (name of entity, not person) Wimberley (Municipality)

RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type Project Planning

Study description Project planning for proposed project to replace low water crossing at FM 1492 at Pierce Creek

New Hydrologic or Hydraulic model? Yes

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Hays

Watershed HUC# (if known) 12100203

Drainage area (Square miles, est.) 48

Goal(s) 11000001, 11000002

100-Year Flood Risk Summary

Population at risk 1,553

of structures 771

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 859

Roadway(s) impacted (length) 13

Number of low water crossings 19

Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$100,000

Amount of Available Funding TBD

Federal funding availability No

Funding source -



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Wimberley Wilson Creek at River Road Low Water Crossing Project Planning**

ID# **111000087**

Sponsor (name of entity, not person) **Wimberley (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to replace low water crossing at Wilson Creek at River Road**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **48** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **1,553** # of structures **771** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

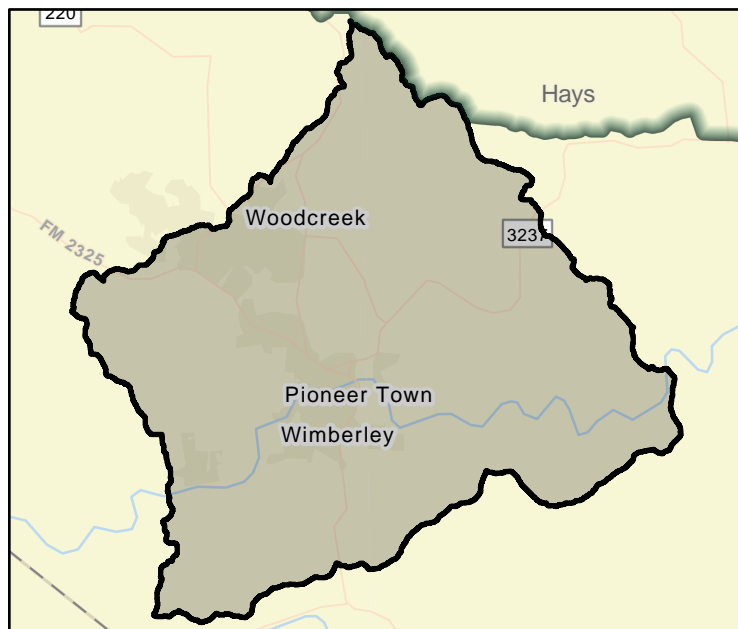
Farm/Ranch land impacted (acres) **859** Roadway(s) impacted (length) **13**

Number of low water crossings **19** Historical road closures **-**

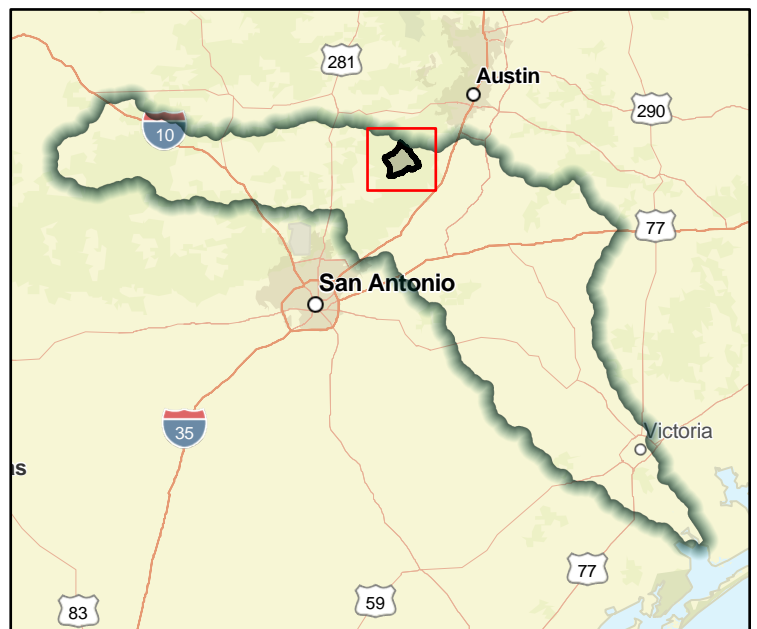
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Wimberley Green Acres Dr. at Fire Station Low Water Crossing Project Planning**

ID# **111000088**

Sponsor (name of entity, not person) **Wimberley (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to replace low water crossing at Green Acres Dr. at Fire Station**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **48** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **1,553** # of structures **771** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

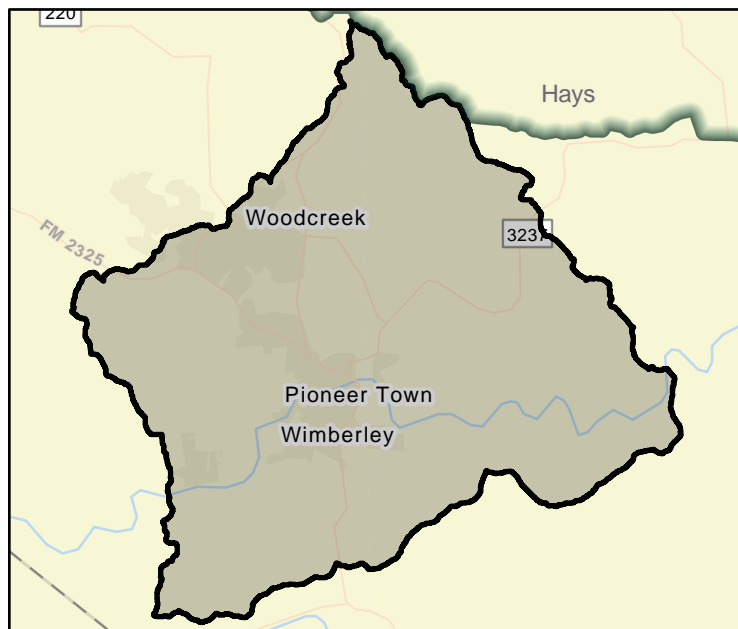
Farm/Ranch land impacted (acres) **859** Roadway(s) impacted (length) **13**

Number of low water crossings **19** Historical road closures **-**

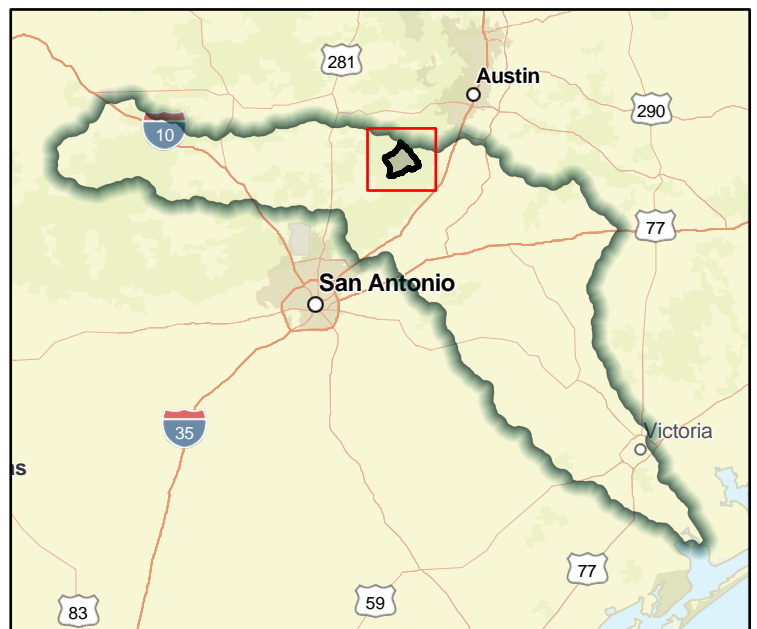
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Wimberley Leveritt's Loop Low Water Crossing Project Planning**

ID# **111000089**

Sponsor (name of entity, not person) **Wimberley (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to replace low water crossing at Leveritt's Loop**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **48** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **1,553** # of structures **771** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

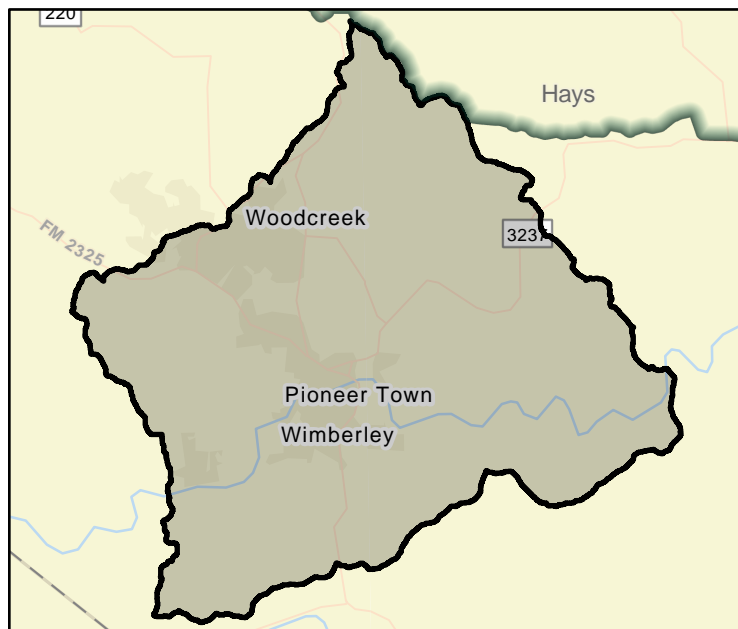
Farm/Ranch land impacted (acres) **859** Roadway(s) impacted (length) **13**

Number of low water crossings **19** Historical road closures **-**

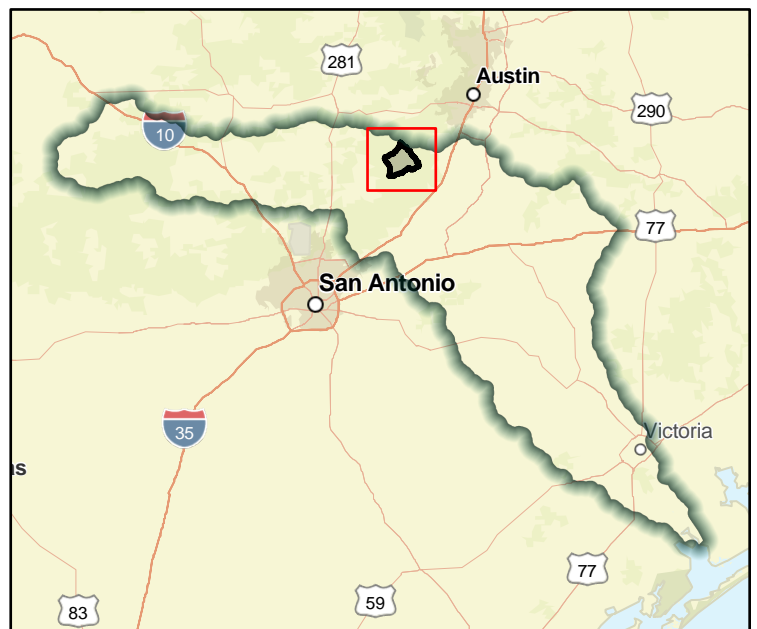
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Wimberley Spoke Hollow Dr. at Spoke Pile Creek Low Water Crossing Project Planning**

ID# **111000090**

Sponsor (name of entity, not person) **Wimberley (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to replace low water crossing at Spoke Hollow Dr. at Spoke Pile Creek**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **48** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **1,553** # of structures **771** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

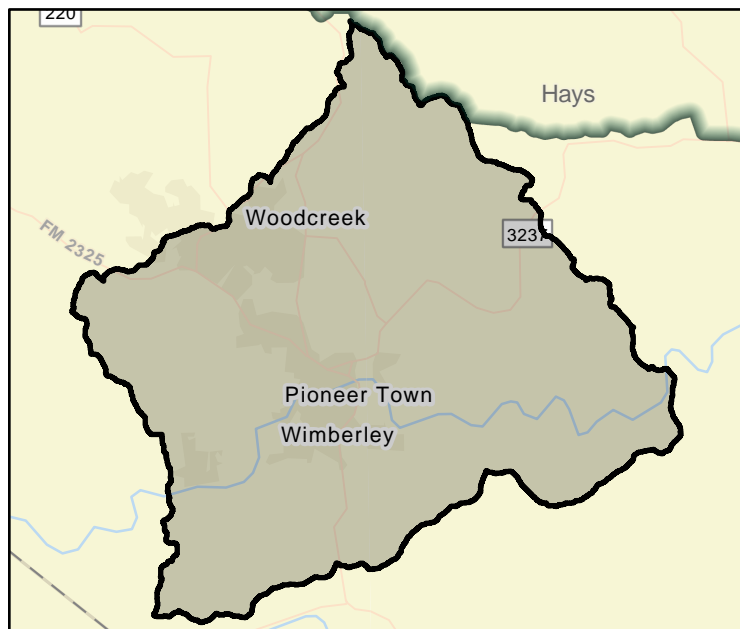
Farm/Ranch land impacted (acres) **859** Roadway(s) impacted (length) **13**

Number of low water crossings **19** Historical road closures **-**

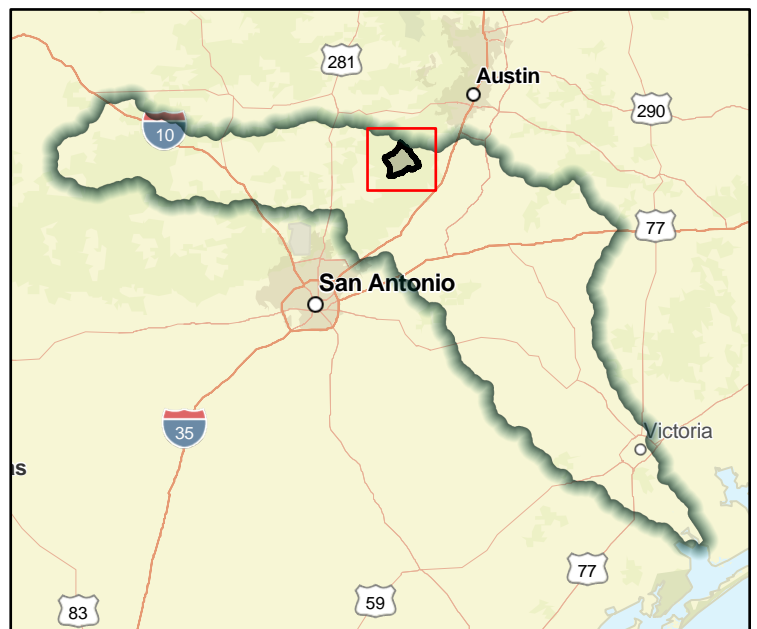
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Wimberley River Road at Western City Limit Low Water Crossing Project Planning**

ID# **111000091**

Sponsor (name of entity, not person) **Wimberley (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to replace low water crossing at River Road at Western City Limit**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **48** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **1,553** # of structures **771** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

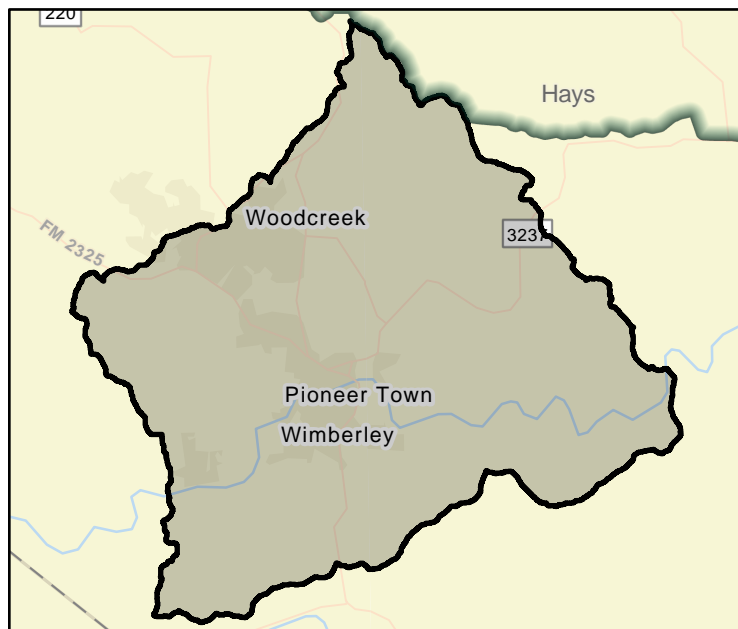
Farm/Ranch land impacted (acres) **859** Roadway(s) impacted (length) **13**

Number of low water crossings **19** Historical road closures **-**

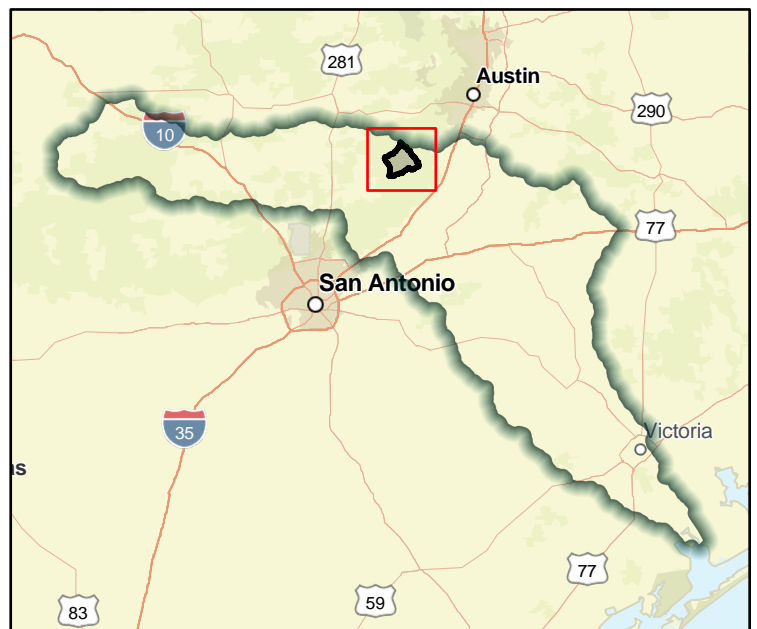
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Wimberley Paradise Hills Low Water Crossing Project Planning**

ID# **111000092**

Sponsor (name of entity, not person) **Wimberley (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to replace low water crossing at Paradise Hills**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **48** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **1,553** # of structures **771** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

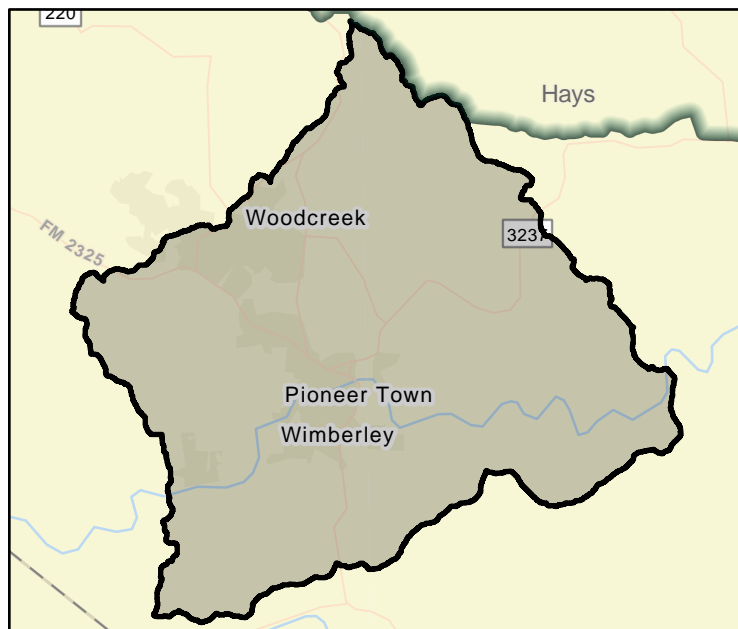
Farm/Ranch land impacted (acres) **859** Roadway(s) impacted (length) **13**

Number of low water crossings **19** Historical road closures **-**

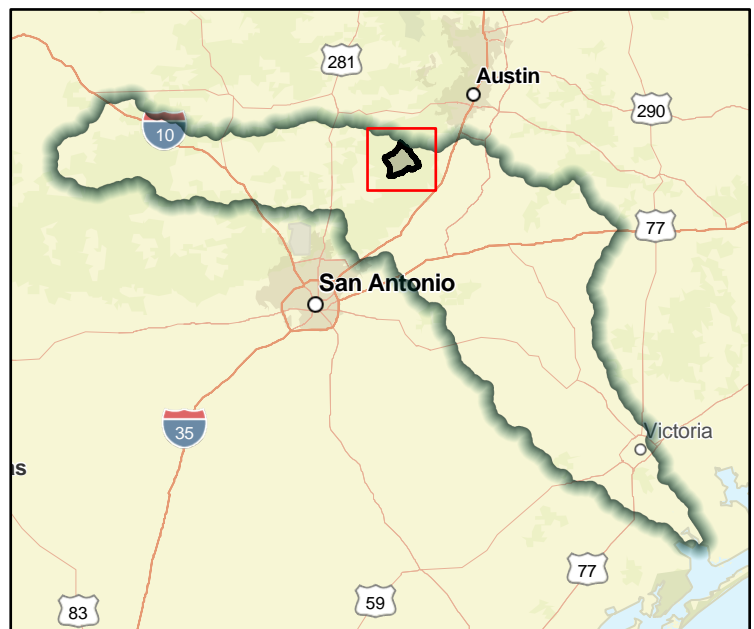
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Wimberley River Road Reconstruction Project Planning**

ID# **111000093**

Sponsor (name of entity, not person) **Wimberley (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to reconstruct roadway along Blanco River**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **48** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **1,553** # of structures **771** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

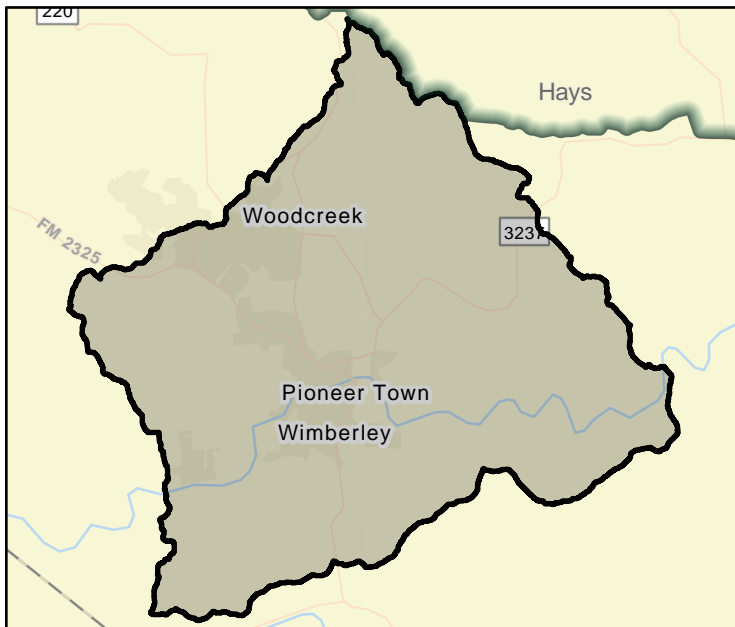
Farm/Ranch land impacted (acres) **859** Roadway(s) impacted (length) **13**

Number of low water crossings **19** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Wimberley Little Ranches at Panther Creek Low Water Crossing Project Planning**

ID# **111000094**

Sponsor (name of entity, not person) **Wimberley (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to reconstruct low water crossing and roadway at Little Ranches at Panther Creek**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **48** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **1,553** # of structures **771** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

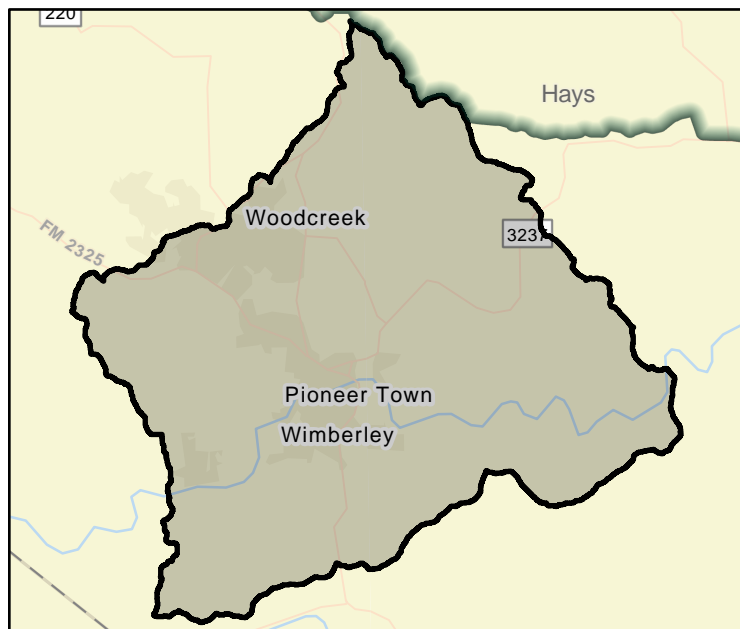
Farm/Ranch land impacted (acres) **859** Roadway(s) impacted (length) **13**

Number of low water crossings **19** Historical road closures **-**

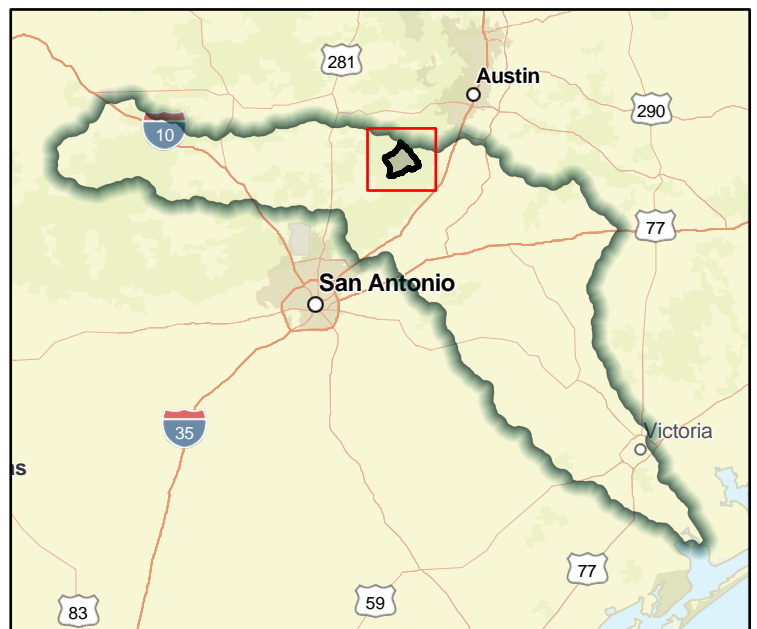
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Wimberley Hoots Holler Low Water Crossing Project Planning**

ID# **111000095**

Sponsor (name of entity, not person) **Wimberley (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to reconstruct low water crossing and roadway at Hoots Holler**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **48** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **1,553** # of structures **771** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

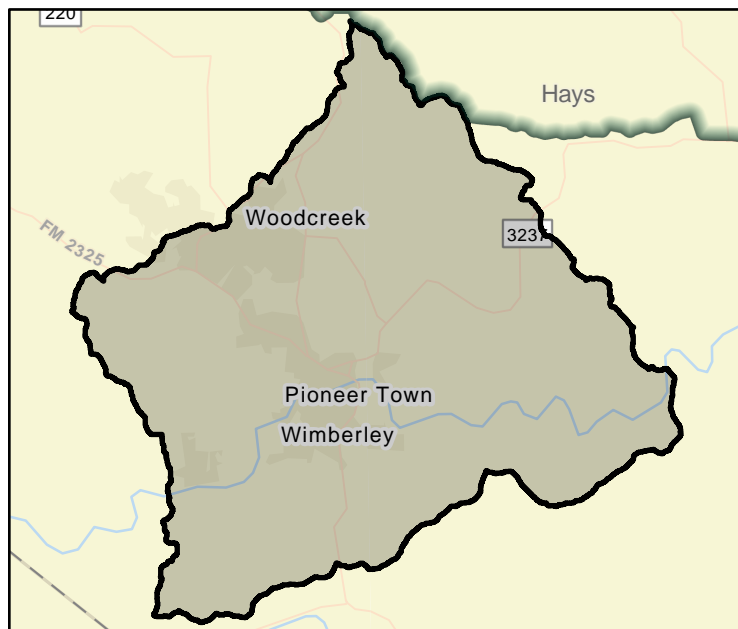
Farm/Ranch land impacted (acres) **859** Roadway(s) impacted (length) **13**

Number of low water crossings **19** Historical road closures **-**

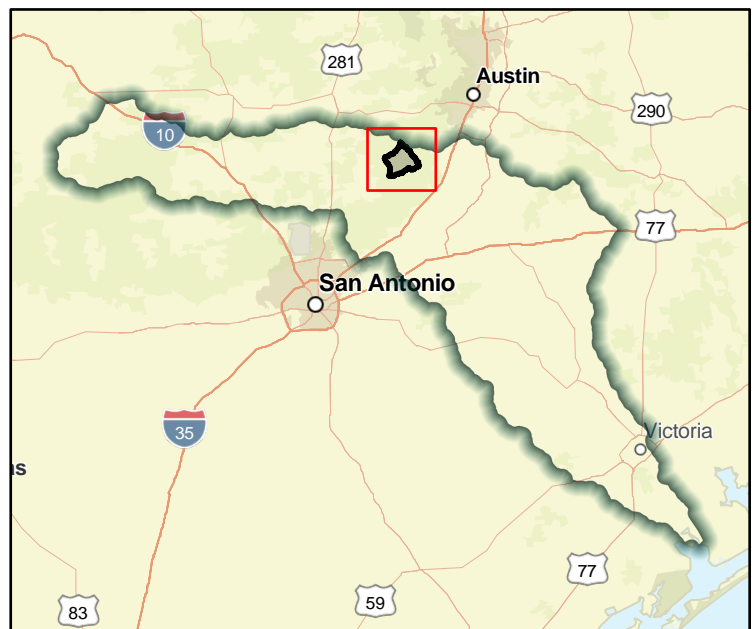
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Comal County Evacuation and Dam Safety Plan**

ID# **111000096**

Sponsor (name of entity, not person) **Comal (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Preparedness**

Study description **Develop evacuation and dam safety plan for coordination with USACE and dam re enforcement.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal** Watershed HUC# (if known) **12100202,12100203,12100201**

Drainage area (Square miles, est.) **573** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **9,129** # of structures **3,677** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

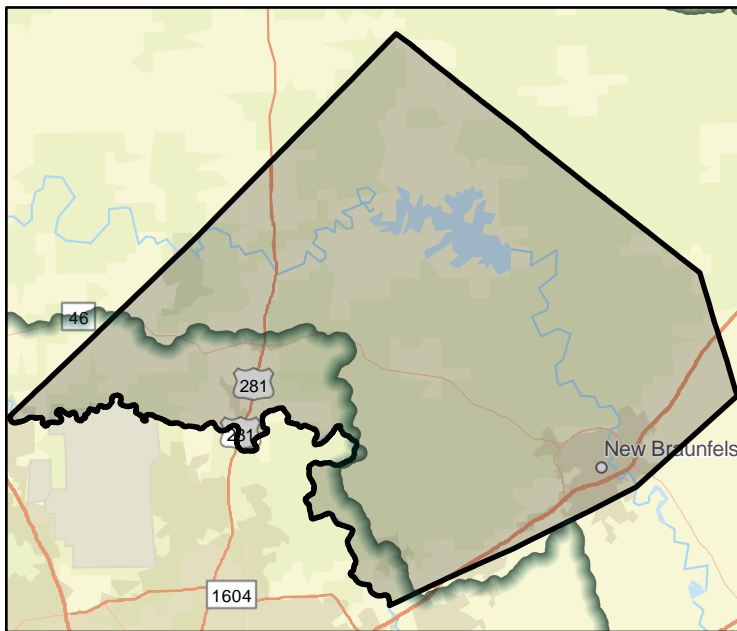
Farm/Ranch land impacted (acres) **9,463** Roadway(s) impacted (length) **93**

Number of low water crossings **77** Historical road closures **-**

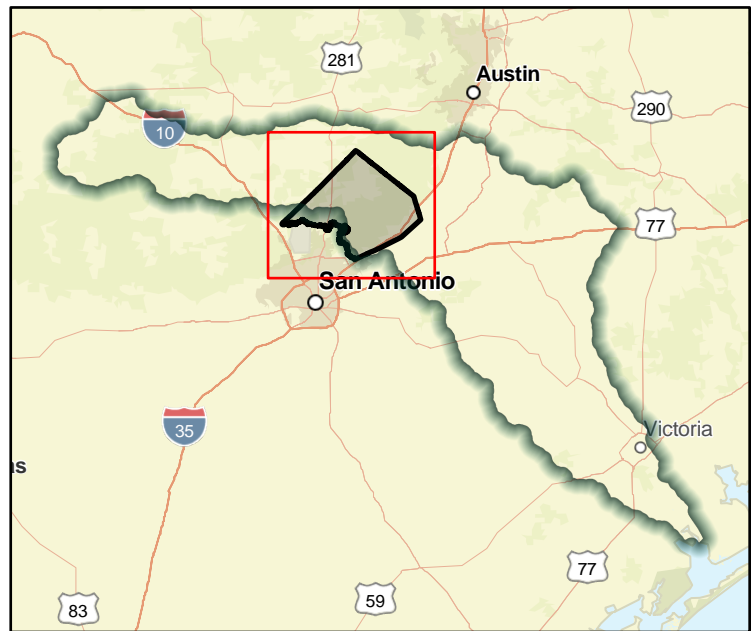
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Comal County Voluntary Buyout Program Project Planning**

ID# **111000098**

Sponsor (name of entity, not person) **Comal (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to remediate repetitive losses along the Guadalupe River by acquiring flood damaged structures and converting acquired land to open(green)space.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal** Watershed HUC# (if known) **12100202,12100203,12100201**

Drainage area (Square miles, est.) **573** Goal(s) **11000003, 11000004, 11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **9,129** # of structures **3,677** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

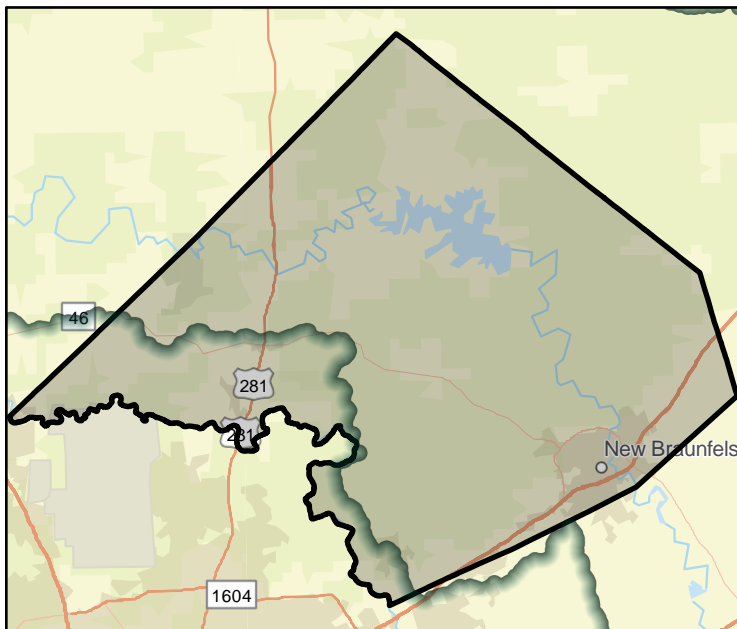
Farm/Ranch land impacted (acres) **9,463** Roadway(s) impacted (length) **93**

Number of low water crossings **77** Historical road closures **-**

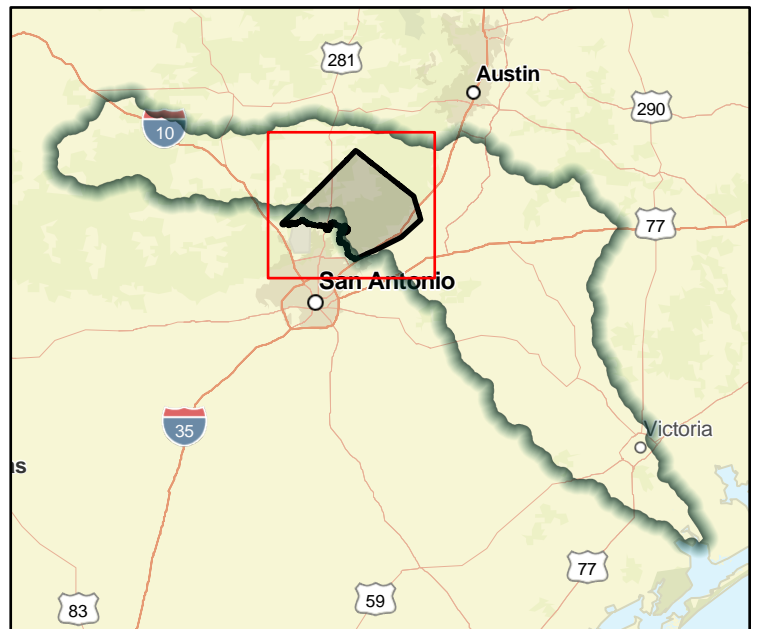
Estimated Cost and Funding Availability

Total Cost **\$357,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Comal County Retention Dam Project Planning**

ID# **111000099**

Sponsor (name of entity, not person) **Comal (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal** Watershed HUC# (if known) **12100202,12100203,12100201**

Drainage area (Square miles, est.) **573** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **9,129** # of structures **3,677** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

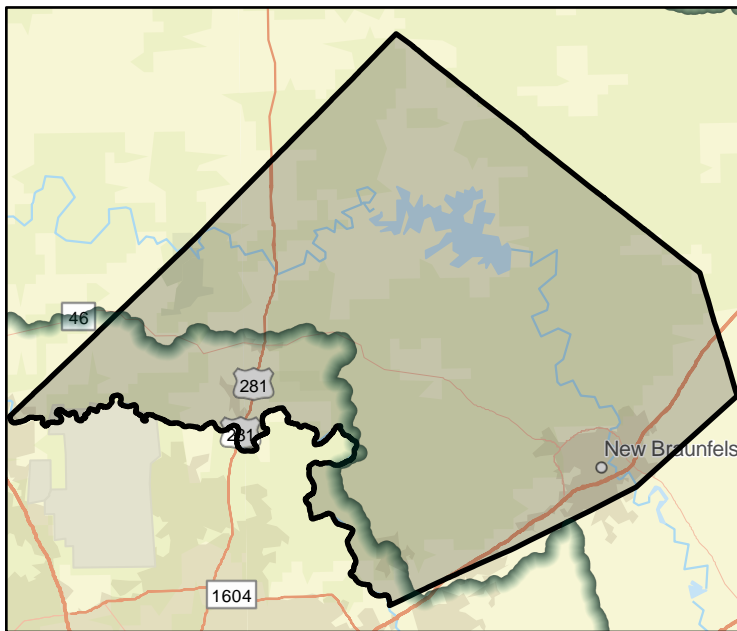
Farm/Ranch land impacted (acres) **9,463** Roadway(s) impacted (length) **93**

Number of low water crossings **77** Historical road closures **-**

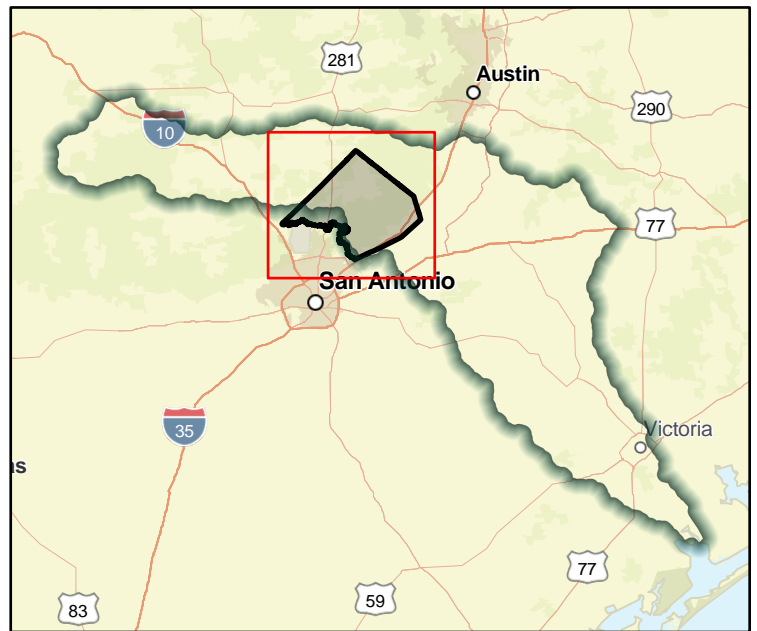
Estimated Cost and Funding Availability

Total Cost **\$8,000,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Comal County Master Water Improvement District River Road Low Water Crossing Improvement Project Planning**

ID# **111000100**

Sponsor (name of entity, not person) **Comal Master WID**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to implement low water crossing improvements at River Road.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal** Watershed HUC# (if known) **12100202,12100201,12100203**

Drainage area (Square miles, est.) **148** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,392** # of structures **1,358** Critical facilities **4**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

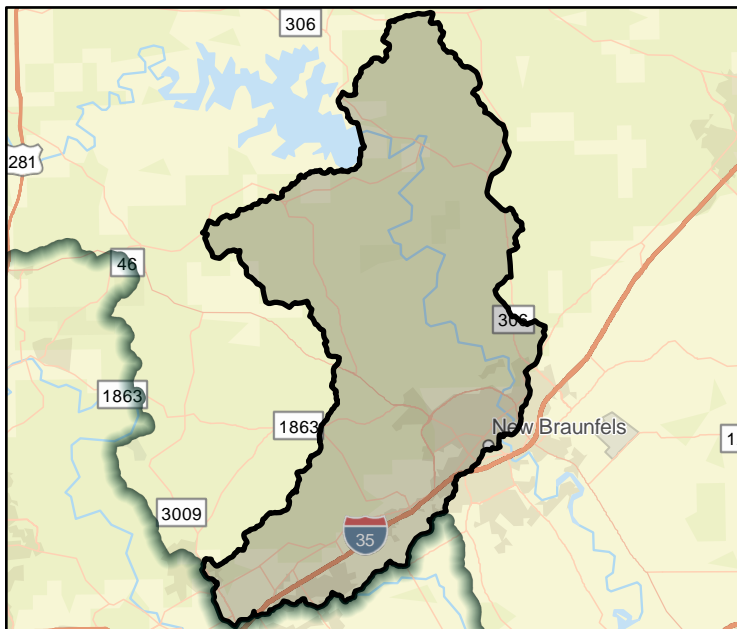
Farm/Ranch land impacted (acres) **1,834** Roadway(s) impacted (length) **27**

Number of low water crossings **37** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$700,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Cuero Drainage Improvements Study**

ID# **111000101**

Sponsor (name of entity, not person) **Cuero (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Study of solutions to improve drainage and stormwater system to reduce drainage and flooding issues.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **De Witt** Watershed HUC# (if known) **12100202,12100204**

Drainage area (Square miles, est.) **7** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,213** # of structures **1,991** Critical facilities **10**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

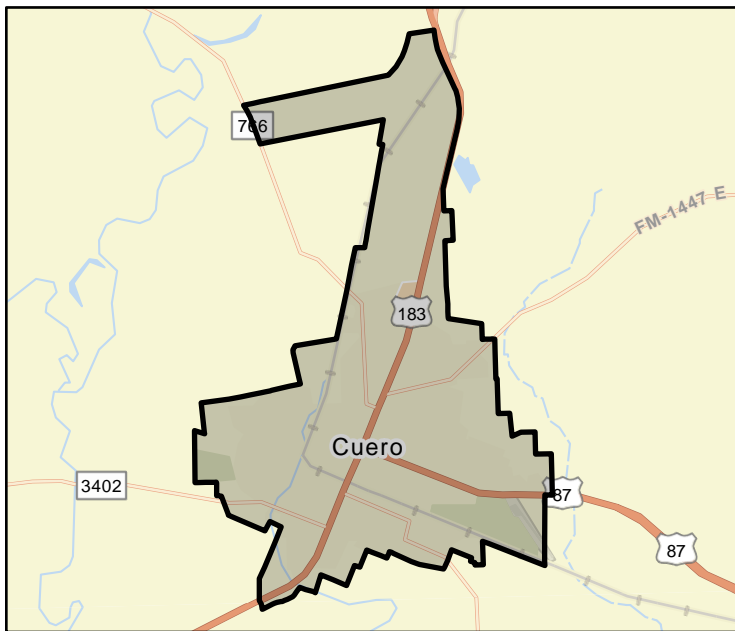
Farm/Ranch land impacted (acres) **116** Roadway(s) impacted (length) **35**

Number of low water crossings **2** Historical road closures **-**

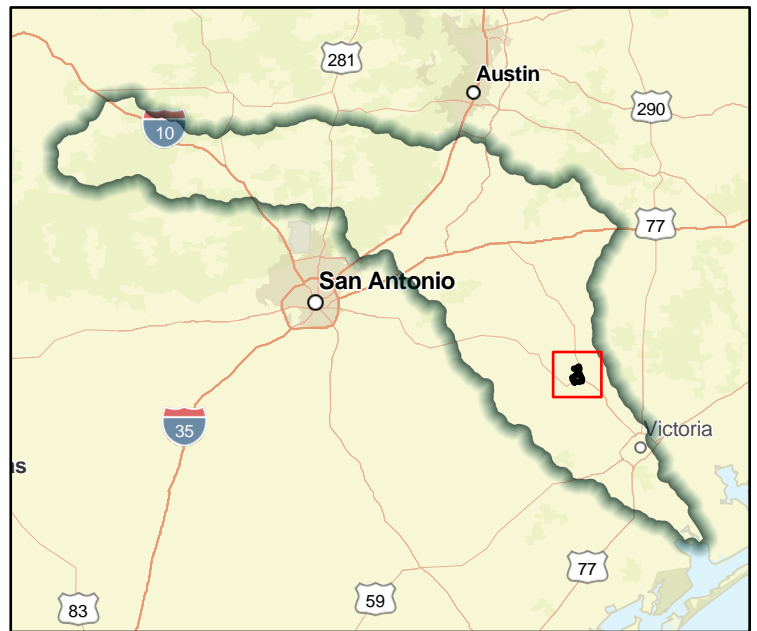
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Cuero City Public Service Station Project Planning**

ID# **111000102**

Sponsor (name of entity, not person) **Cuero (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **De Witt** Watershed HUC# (if known) **12100202,12100204**

Drainage area (Square miles, est.) **7** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,213** # of structures **1,991** Critical facilities **10**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

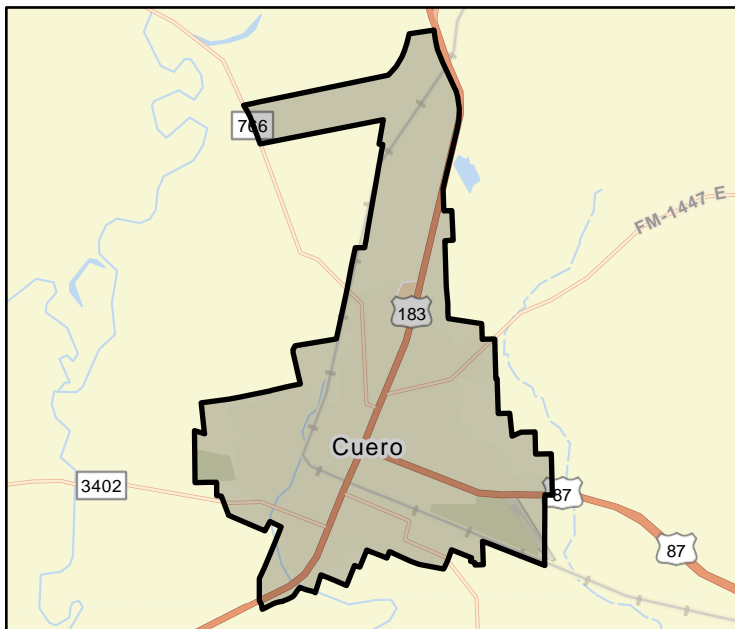
Farm/Ranch land impacted (acres) **116** Roadway(s) impacted (length) **35**

Number of low water crossings **2** Historical road closures **-**

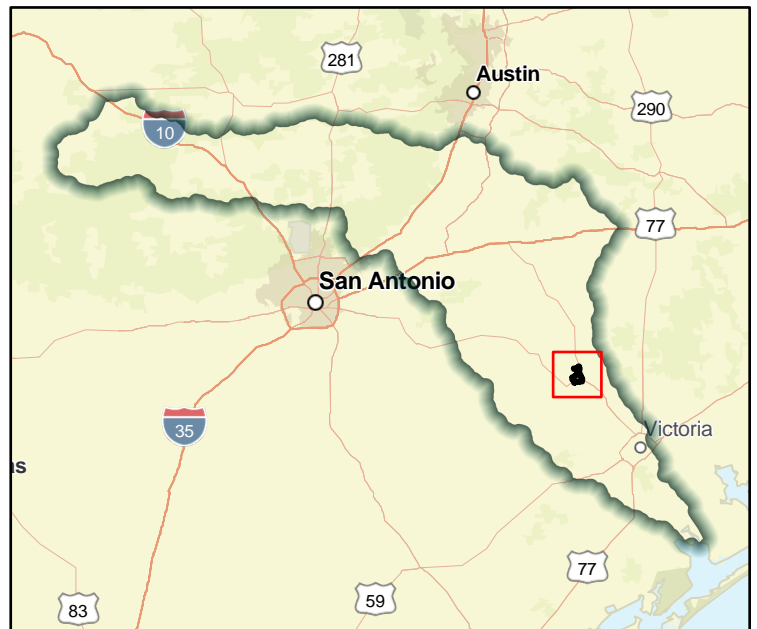
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Cuero WWTP Floodproofing Project Planning**

ID# **111000103**

Sponsor (name of entity, not person) **Cuero (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to floodproof/retrofit older components of the Cuero Wastewater Treatment Plant subject to flooding.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **De Witt** Watershed HUC# (if known) **12100204**

Drainage area (Square miles, est.) **0** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **2** # of structures **4** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

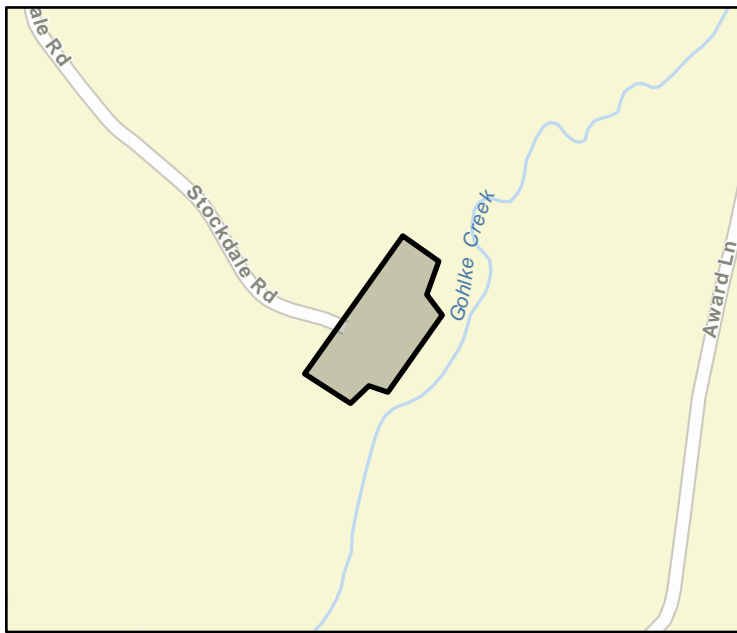
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Green DeWitt County Drainage District Channel Improvements Project Planning**

ID# **111000104**

Sponsor (name of entity, not person) **Dewitt County Drainage District 1**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **De Witt** Watershed HUC# (if known) **12100202,12100204**

Drainage area (Square miles, est.) **7** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,213** # of structures **1,991** Critical facilities **10**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

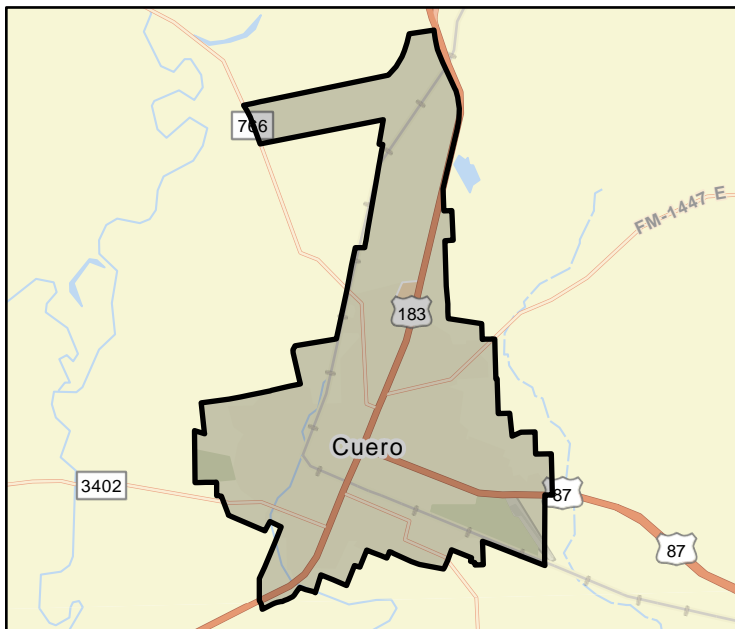
Farm/Ranch land impacted (acres) **116** Roadway(s) impacted (length) **35**

Number of low water crossings **2** Historical road closures **-**

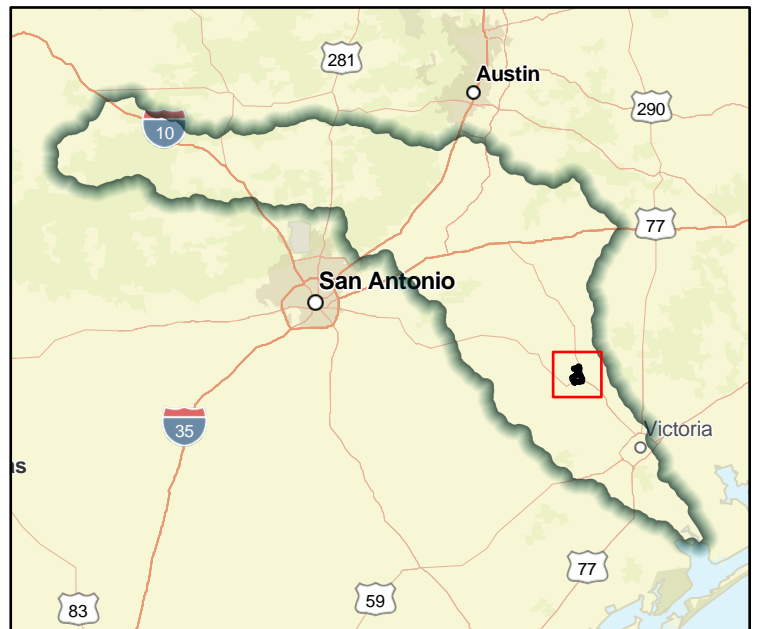
Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **DeWitt County (City of Nordheim) Flash Flood Mitigation Project Planning**

ID# **111000105**

Sponsor (name of entity, not person) **MULTIPLE**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **De Witt** Watershed HUC# (if known) **12100204**

Drainage area (Square miles, est.) **0** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **0** # of structures **1** Critical facilities **1**

Flood risk type: Riverine? **No** Coastal? **No** Local? **No** Playa? **No** Other? **No**

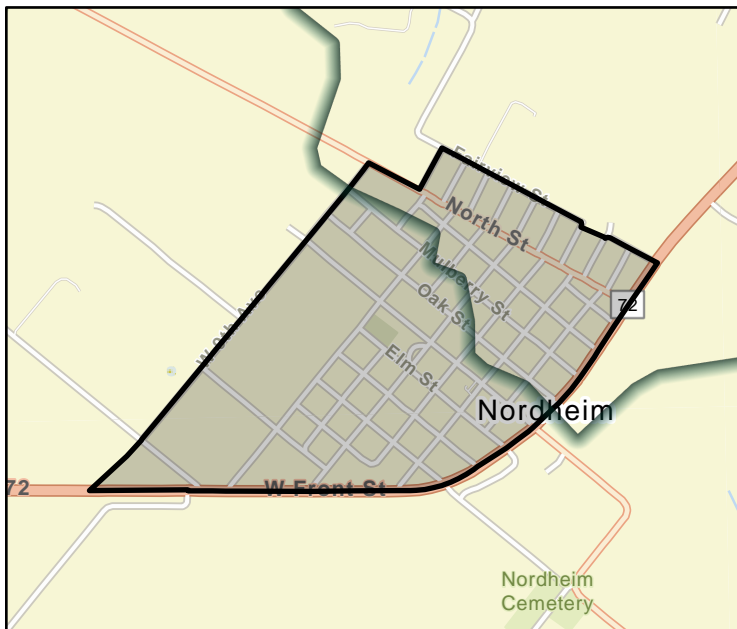
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **-**

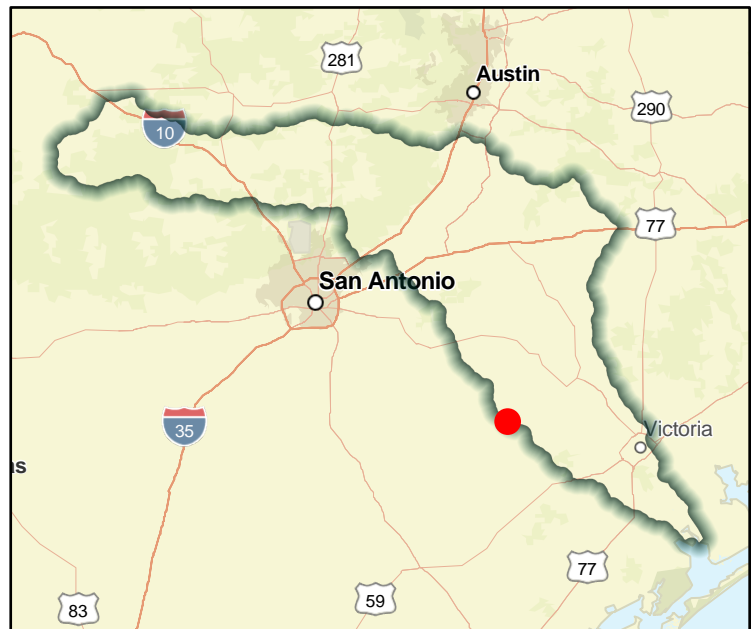
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Gillespie County Low Water Crossing Improvements Project Planning**

ID# **111000106**

Sponsor (name of entity, not person) **Gillespie (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to place automatic warning signs at 35 documented low water crossings in the county**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Gillespie** Watershed HUC# (if known) **12100203,12100201**

Drainage area (Square miles, est.) **1,057** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **22** # of structures **8** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

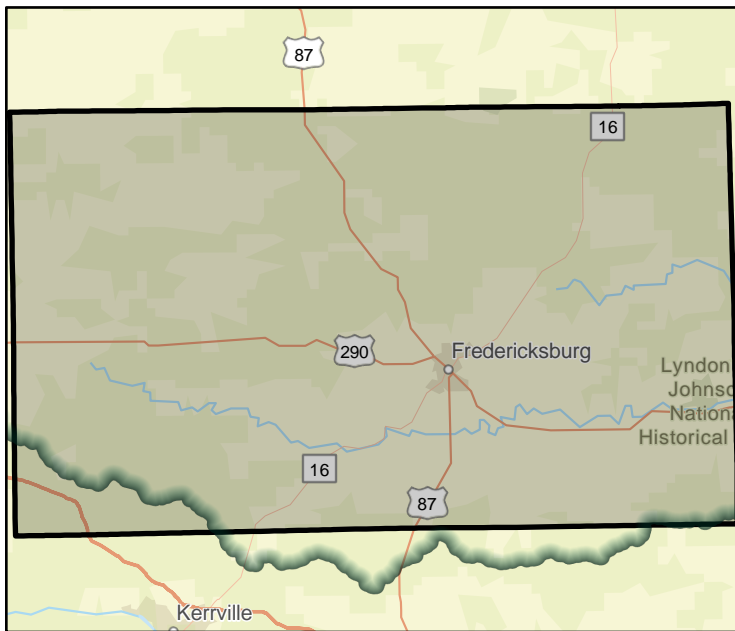
Farm/Ranch land impacted (acres) **348** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Gonzales County Voluntary Buyout Program Project Planning**

ID# **111000107**

Sponsor (name of entity, not person) **Gillespie (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to develop and implement a program to buyout NFIP repetitive loss properties.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Gonzales** Watershed HUC# (if known) **12100203,12100201**

Drainage area (Square miles, est.) **1,067** Goal(s) **11000003, 11000004, 11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **2,086** # of structures **1,649** Critical facilities **4**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

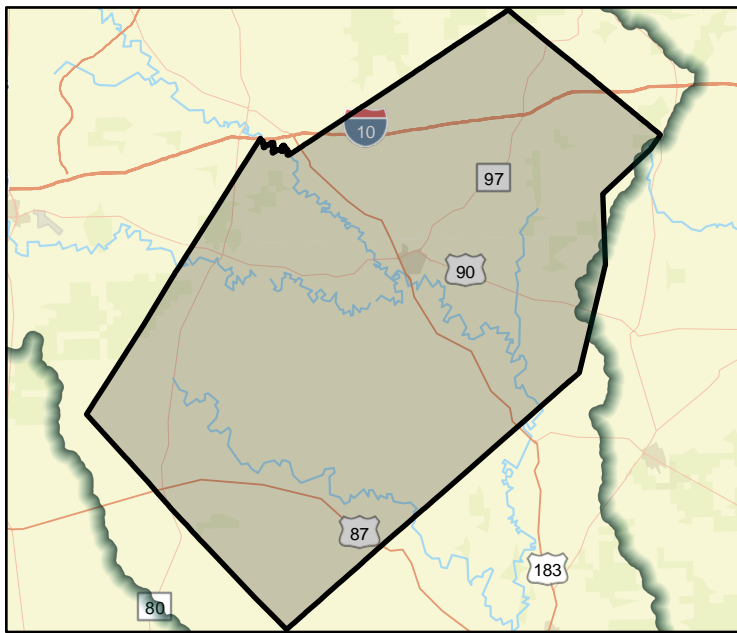
Farm/Ranch land impacted (acres) **101,450** Roadway(s) impacted (length) **124**

Number of low water crossings **55** Historical road closures **-**

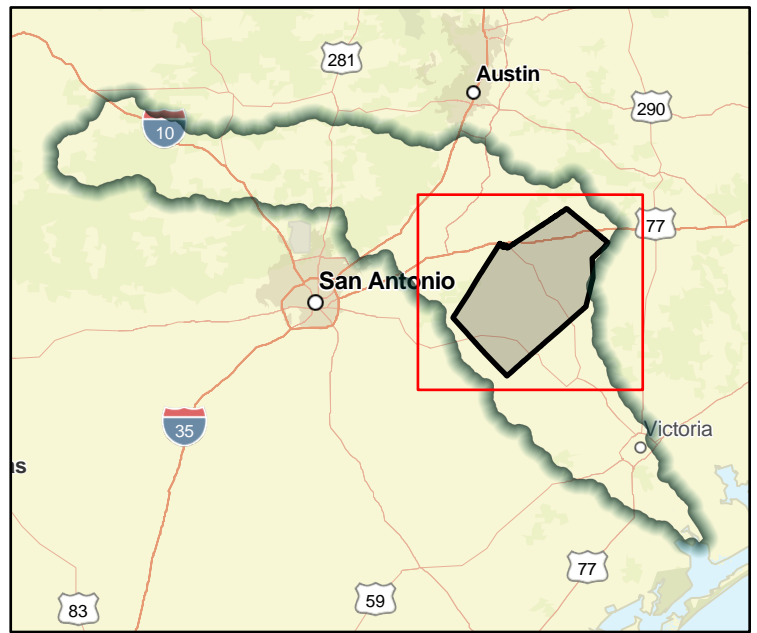
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Guadalupe-Blanco River Authority FEMA Cooperating Technical Partners (CTP) Modeling and Mapping**

ID# **111000108**

Sponsor (name of entity, not person) **Guadalupe-Blanco River Authority**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Bandera,Bastrop,Blanco,Caldwell,Calhoun,** Watershed HUC# (if known) **12100203,12100201**

Drainage area (Square miles, est.) **7,876** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **55,779** # of structures **22,831** Critical facilities **126**

Flood risk type: Riverine? **Yes** Coastal? **Yes** Local? **No** Playa? **No** Other? **No**

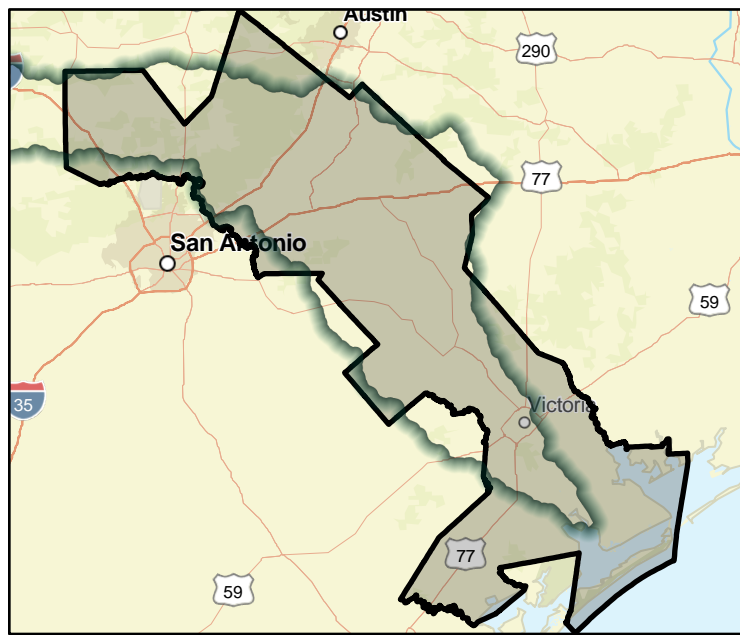
Farm/Ranch land impacted (acres) **304,947** Roadway(s) impacted (length) **767**

Number of low water crossings **467** Historical road closures **-**

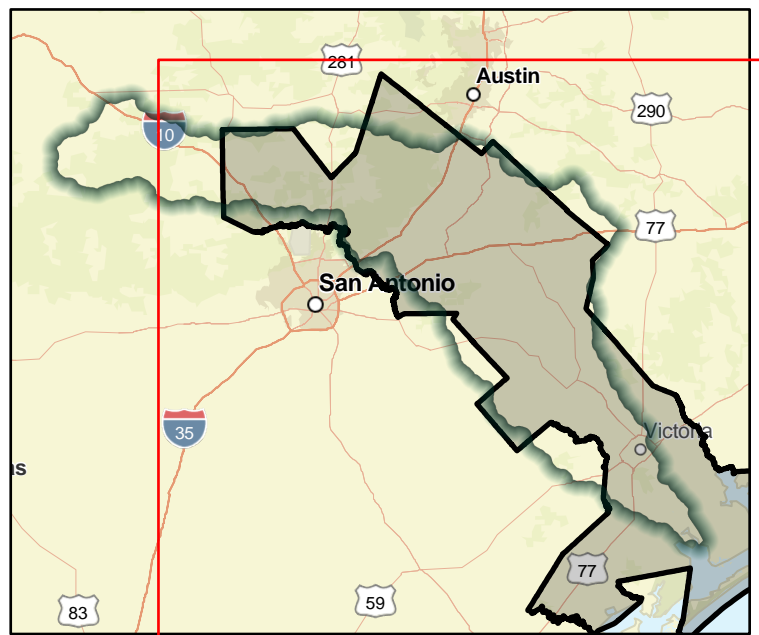
Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Guadalupe County Drainage Improvements Study**

ID# **111000109**

Sponsor (name of entity, not person) **Guadalupe (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Study of solutions to upgrade undersized stormwater drains and culverts.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe** Watershed HUC# (if known) **12100202,12100203**

Drainage area (Square miles, est.) **713** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **14,109** # of structures **5,822** Critical facilities **14**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

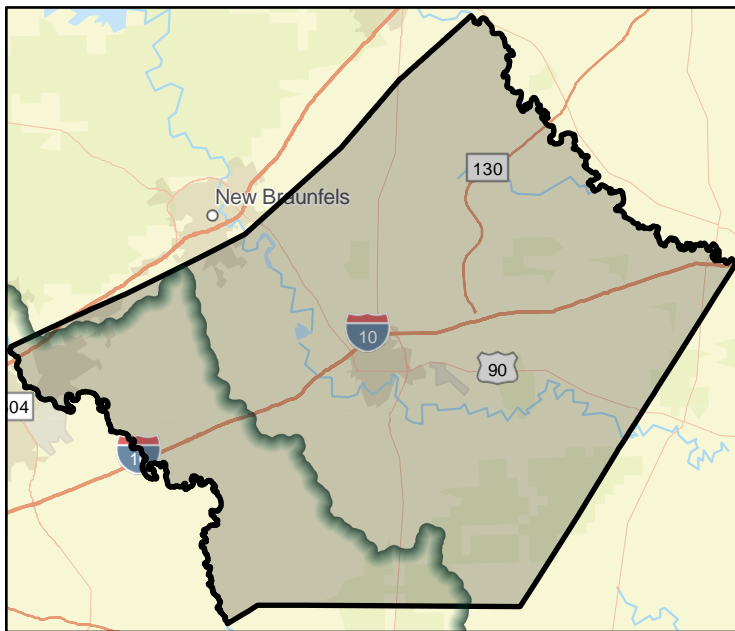
Farm/Ranch land impacted (acres) **25,477** Roadway(s) impacted (length) **117**

Number of low water crossings **130** Historical road closures **-**

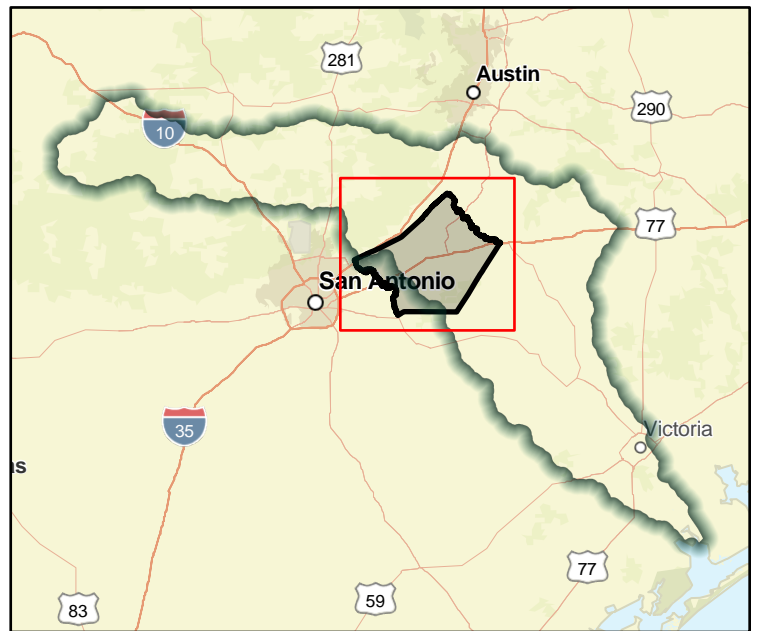
Estimated Cost and Funding Availability

Total Cost **\$3,000,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Guadalupe County Voluntary Buyout Program Project Planning**

ID# **111000110**

Sponsor (name of entity, not person) **Guadalupe (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe** Watershed HUC# (if known) **12100202,12100203**

Drainage area (Square miles, est.) **713** Goal(s) **11000003, 11000004, 11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **14,109** # of structures **5,822** Critical facilities **14**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

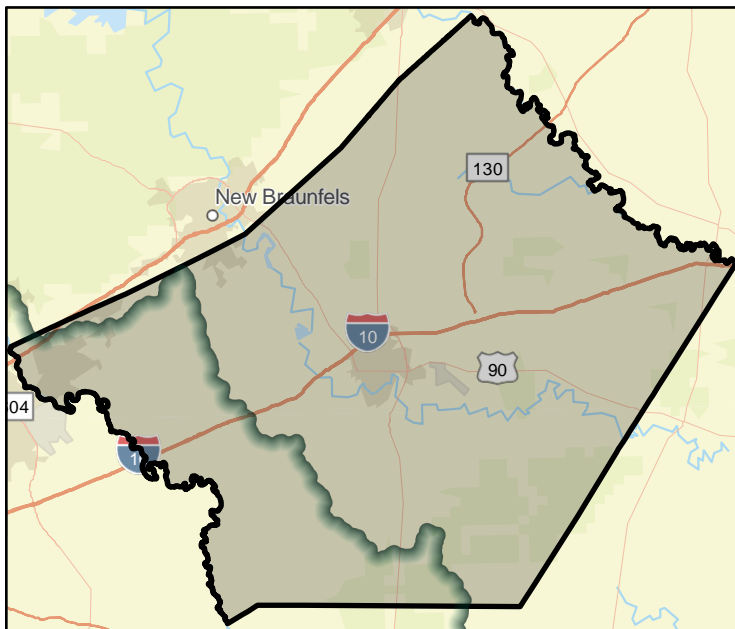
Farm/Ranch land impacted (acres) **25,477** Roadway(s) impacted (length) **117**

Number of low water crossings **130** Historical road closures **-**

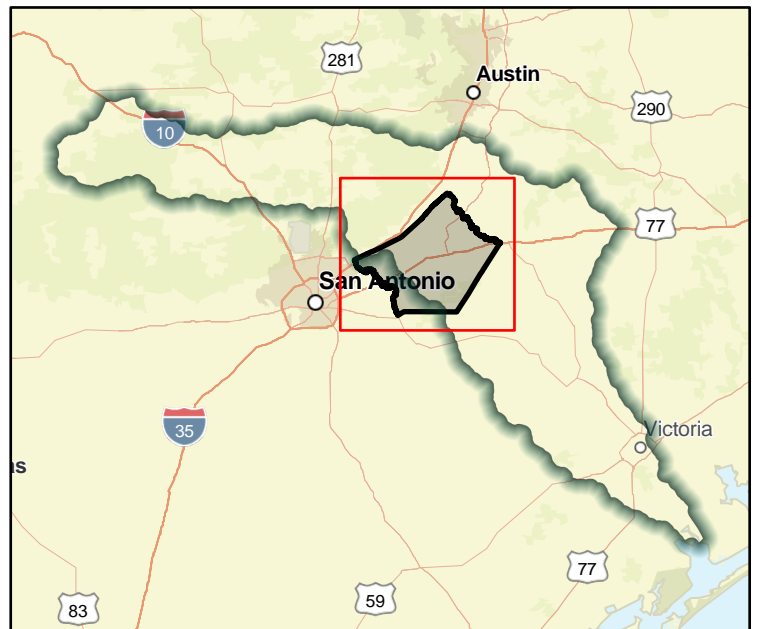
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Guadalupe County LWC Project Planning**

ID# **111000111**

Sponsor (name of entity, not person) **Guadalupe (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to mark and place electric gates at low water crossings.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Gonzales,Guadalupe,Comal,Caldwell,Hays** Watershed HUC# (if known) **12100202,12100203**

Drainage area (Square miles, est.) **786** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **18,183** # of structures **7,310** Critical facilities **15**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

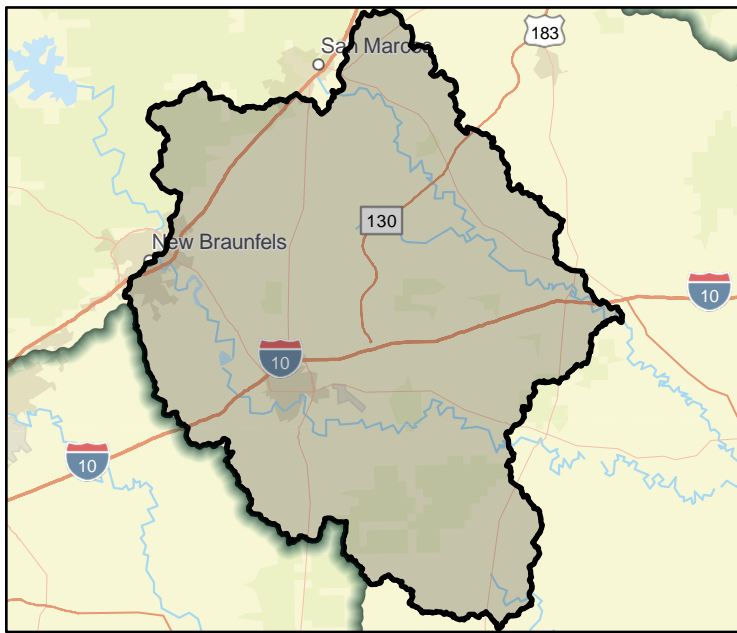
Farm/Ranch land impacted (acres) **41,053** Roadway(s) impacted (length) **179**

Number of low water crossings **167** Historical road closures **-**

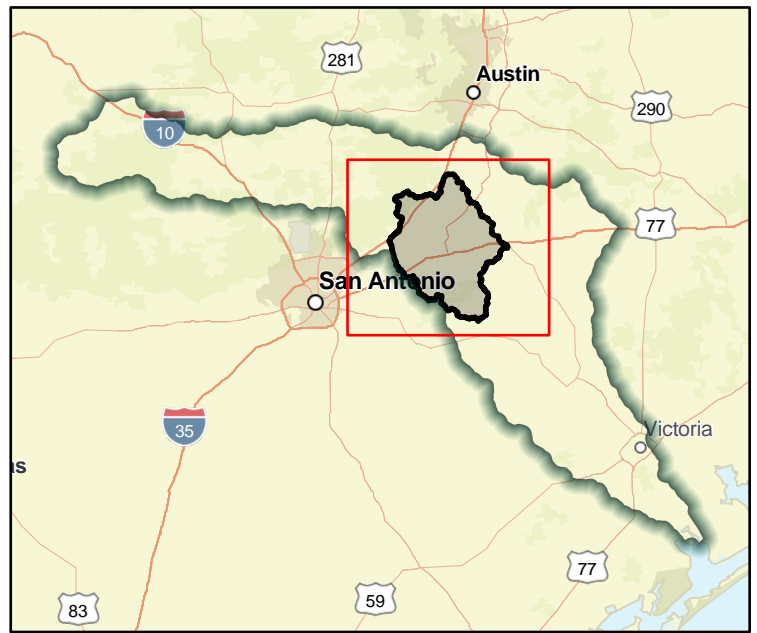
Estimated Cost and Funding Availability

Total Cost **\$2,000,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Hays County Dam Inundation Maps**

ID# **111000112**

Sponsor (name of entity, not person) **Hays (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Preparedness**

Study description **Conduct study and work with TCEQ to continue to develop inundation maps for all High Hazard dams.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe,Comal,Caldwell,Kendall,Hays,B** Watershed HUC# (if known) **11000099,11000100,11000107,11000101,11000106,11000112,11000097,1**

Drainage area (Square miles, est.) **727** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **20,150** # of structures **5,372** Critical facilities **19**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

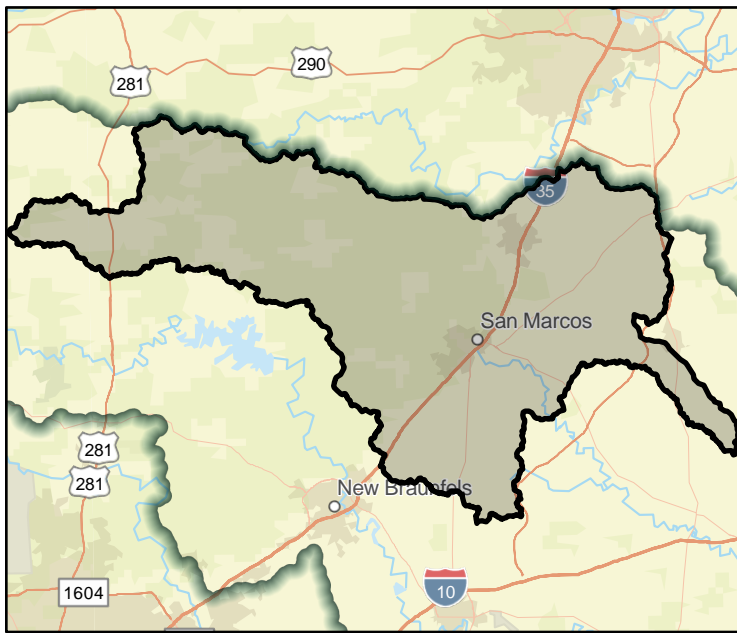
Farm/Ranch land impacted (acres) **26,087** Roadway(s) impacted (length) **143**

Number of low water crossings **178** Historical road closures **-**

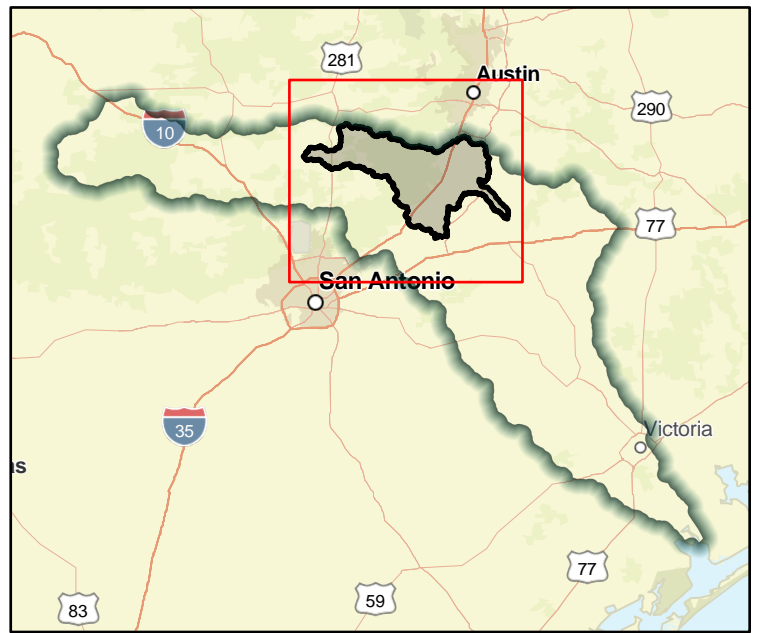
Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Hays County Harden Critical Infrastructure Project Planning**

ID# **111000113**

Sponsor (name of entity, not person) **Hays (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe,Comal,Caldwell,Kendall,Hays,B** Watershed HUC# (if known) **11000099,11000100,11000107,11000101,11000106,11000112,11000097,1**

Drainage area (Square miles, est.) **727** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **20,150** # of structures **5,372** Critical facilities **19**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

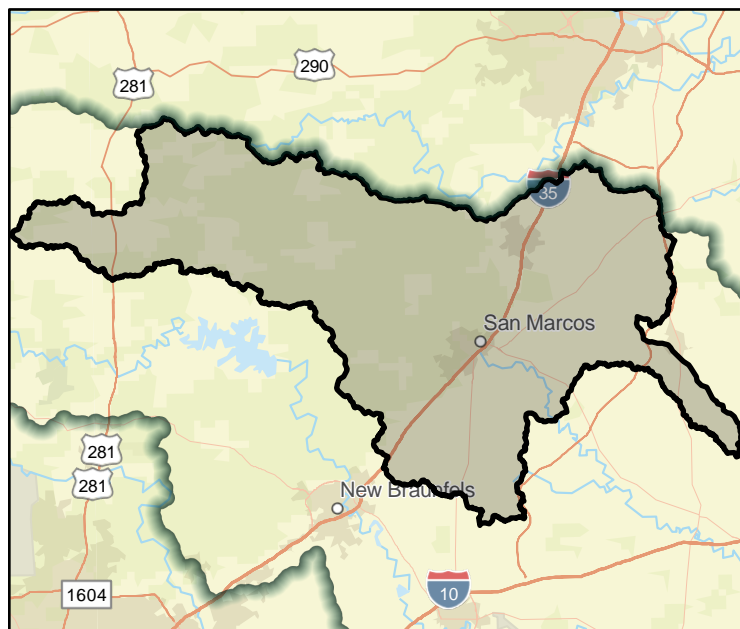
Farm/Ranch land impacted (acres) **26,087** Roadway(s) impacted (length) **143**

Number of low water crossings **178** Historical road closures **-**

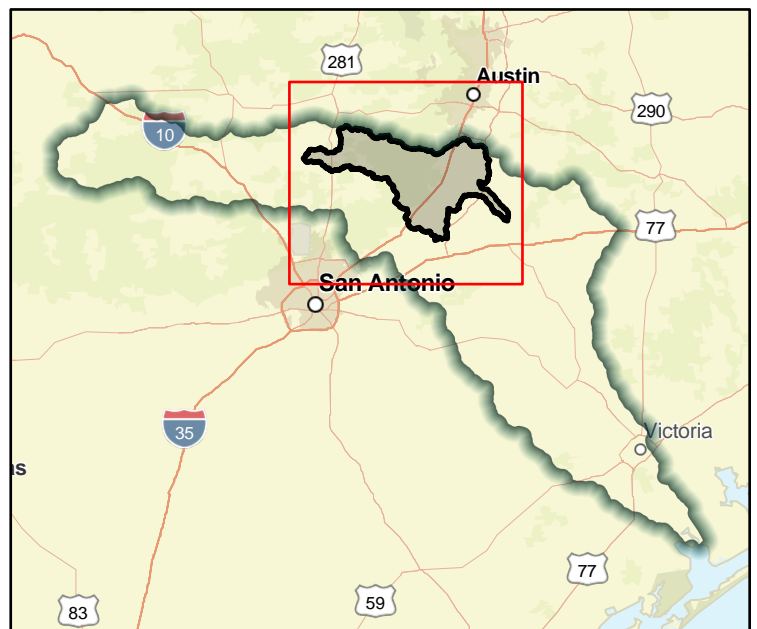
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Hays County Drainage Project Planning (Willow Springs Creek between McCarty Lane and Hunter Road)**

ID# **111000114**

Sponsor (name of entity, not person) **Hays (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for channel improvement and/or property acquisition project to reduce flood damages along Willow Springs Creek from McCarty Lane to Hunter Road.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe,Comal,Caldwell,Kendall,Hays,B** Watershed HUC# (if known) **11000099,11000100,11000107,11000101,11000106,11000112,11000097,1**

Drainage area (Square miles, est.) **727** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **20,150** # of structures **5,372** Critical facilities **19**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

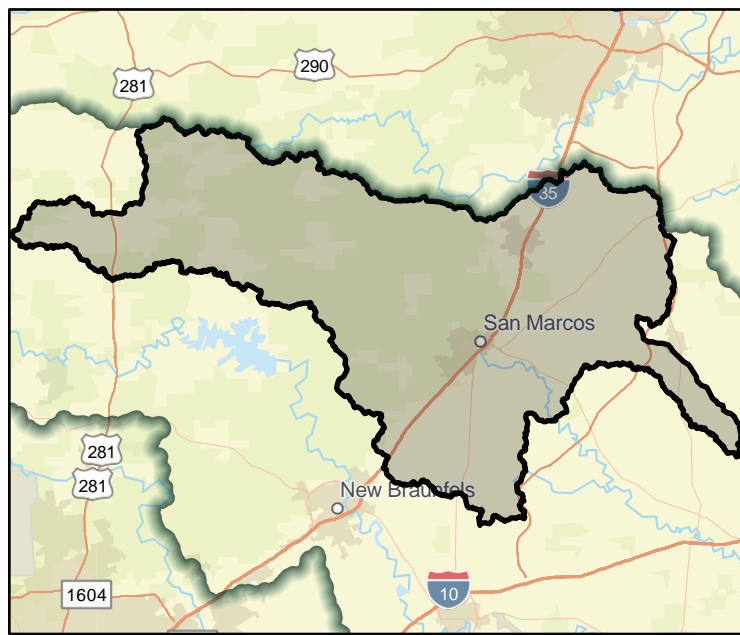
Farm/Ranch land impacted (acres) **26,087** Roadway(s) impacted (length) **143**

Number of low water crossings **178** Historical road closures **-**

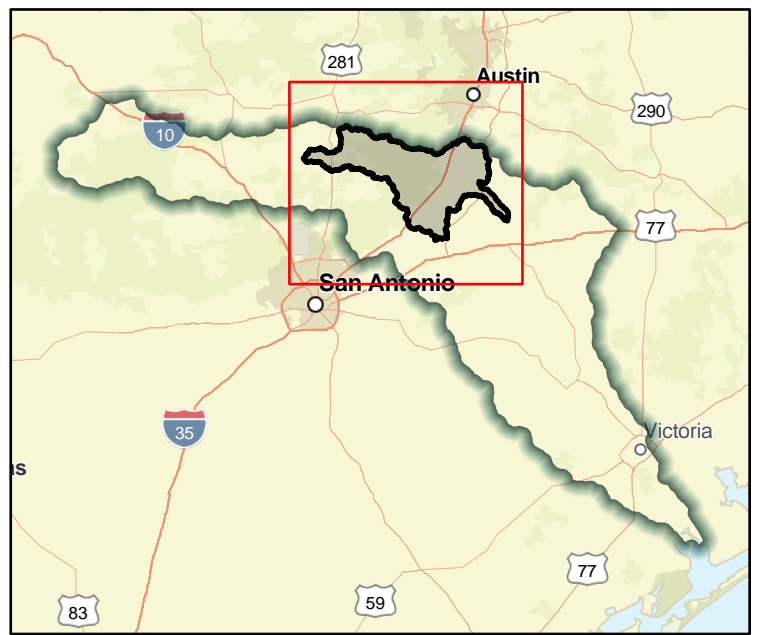
Estimated Cost and Funding Availability

Total Cost **\$800,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Hays County Drainage Project Planning (Willow Springs Creek between Hunter Rd and the Railroad)**

ID# **111000115**

Sponsor (name of entity, not person) **Hays (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for detention project to reduce flood damages along Willow Springs Creek from Hunter Road to the railroad.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe,Comal,Caldwell,Kendall,Hays,B** Watershed HUC# (if known) **11000099,11000100,11000107,11000101,11000106,11000112,11000097,1**

Drainage area (Square miles, est.) **727** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **20,150** # of structures **5,372** Critical facilities **19**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

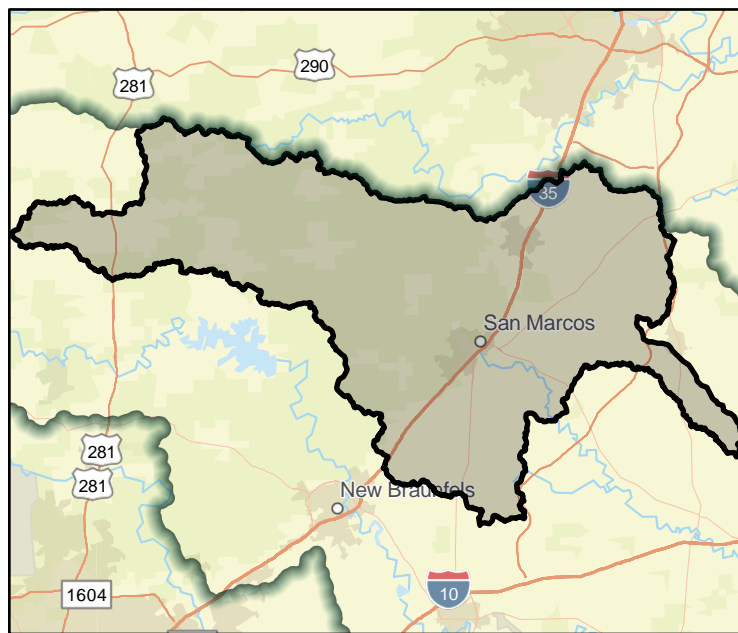
Farm/Ranch land impacted (acres) **26,087** Roadway(s) impacted (length) **143**

Number of low water crossings **178** Historical road closures **-**

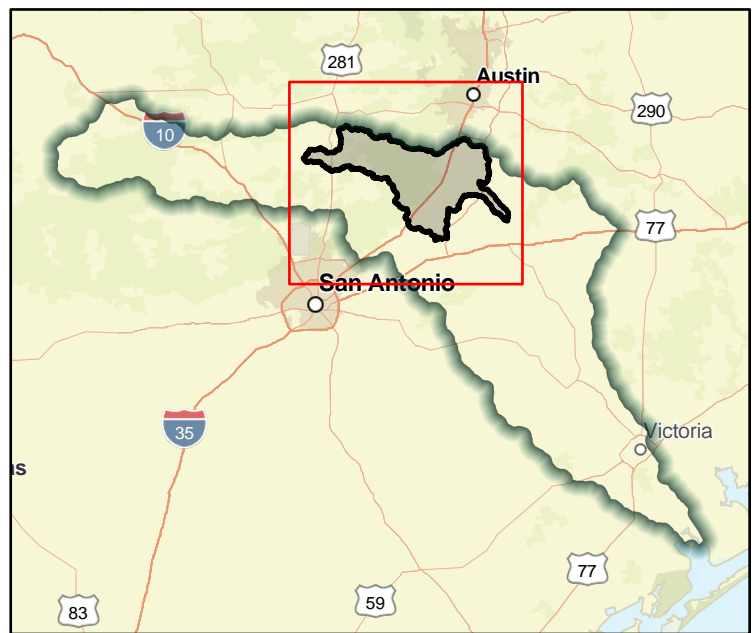
Estimated Cost and Funding Availability

Total Cost **\$1,200,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Hays County Southeastern Property Acquisition Project Planning**

ID# **111000116**

Sponsor (name of entity, not person) **Hays (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100202,12100203**

Drainage area (Square miles, est.) **49** Goal(s) **11000003, 11000004, 11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **6,688** # of structures **1,420** Critical facilities **12**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

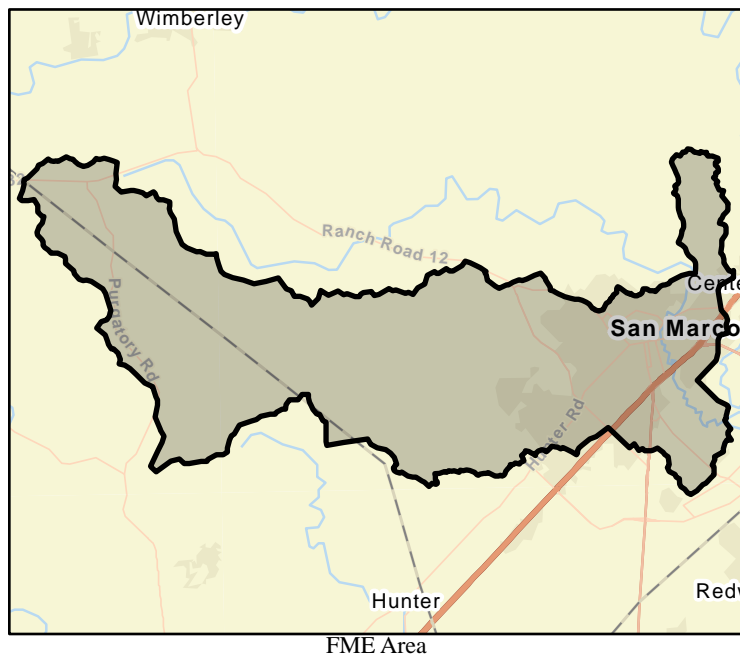
Farm/Ranch land impacted (acres) **1,058** Roadway(s) impacted (length) **25**

Number of low water crossings **14** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$800,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



Flood Management Evaluation (FME)



Title **Hays County Community Flood Mitigation Project Planning**

ID# **111000118**

Sponsor (name of entity, not person) **Hays (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Hays County Community Flood Mitigation Project Planning**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe,Comal,Caldwell,Kendall,Hays,B** Watershed HUC# (if known) **11000099,11000100,11000107,11000101,11000106,11000112,11000097,1**

Drainage area (Square miles, est.) **727** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **20,150** # of structures **5,372** Critical facilities **19**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

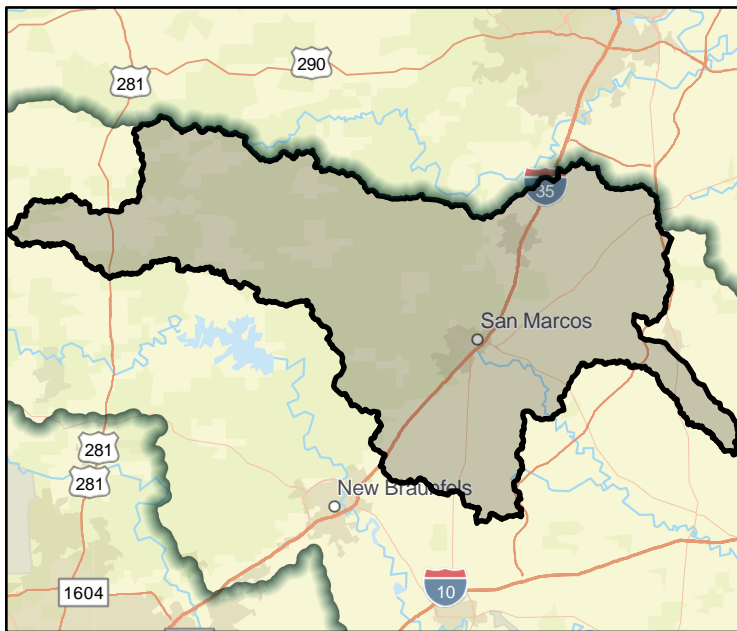
Farm/Ranch land impacted (acres) **26,087** Roadway(s) impacted (length) **143**

Number of low water crossings **178** Historical road closures **-**

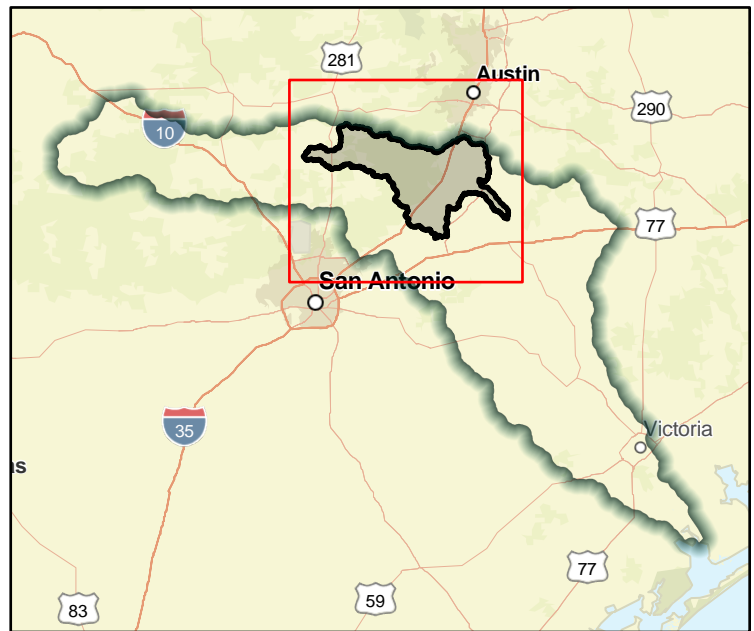
Estimated Cost and Funding Availability

Total Cost **\$238,035** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Hunts ISD Storm Drainage Infrastructure Project Planning**

ID# **111000119**

Sponsor (name of entity, not person) **Hunt ISD**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kerr** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **207** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **827** # of structures **703** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

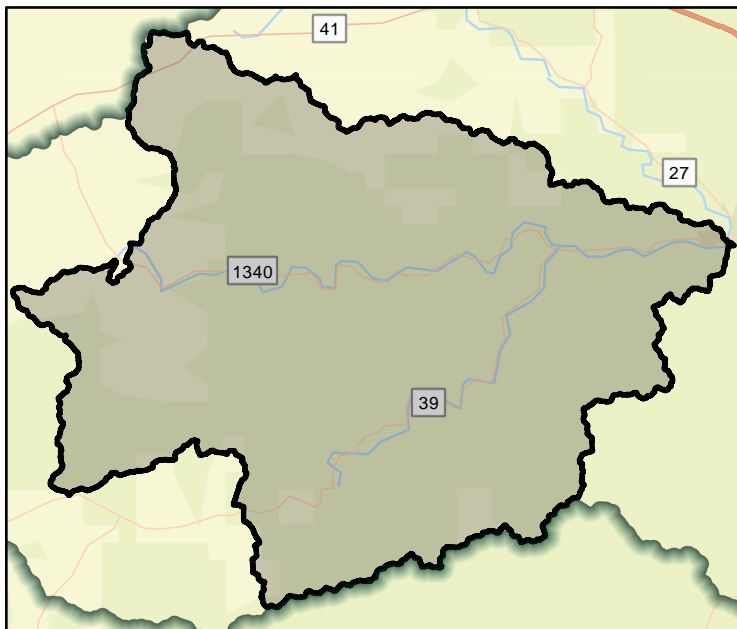
Farm/Ranch land impacted (acres) **6,512** Roadway(s) impacted (length) **28**

Number of low water crossings **47** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Ingram ISD Construct New Storm Drainage Infrastructure**

ID# **111000120**

Sponsor (name of entity, not person) **Ingram ISD**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kerr,Gillespie** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **223** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **1,869** # of structures **1,342** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

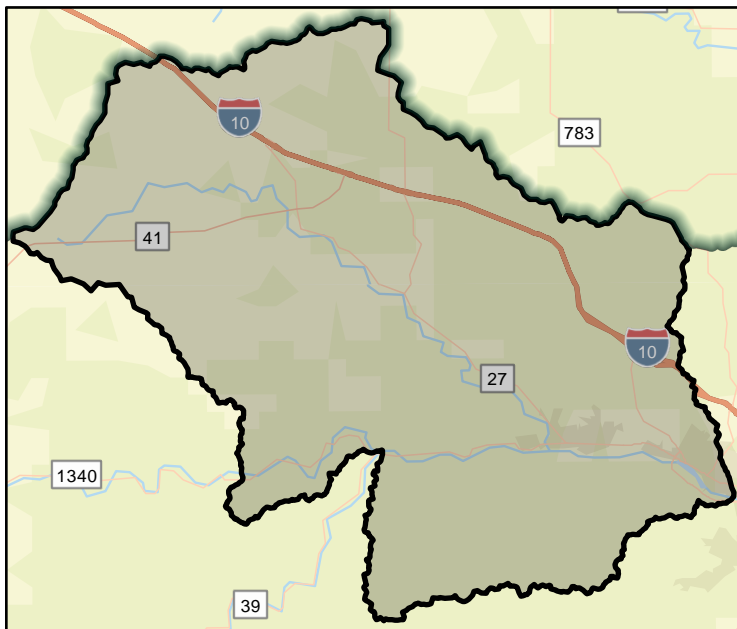
Farm/Ranch land impacted (acres) **7,282** Roadway(s) impacted (length) **36**

Number of low water crossings **41** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Ingram ISD Improve Existing Storm Drainage Infrastructure**

ID# **111000121**

Sponsor (name of entity, not person) **Ingram ISD**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to upgrade existing storm drainage infrastructure to reduce the potential impacts of future flood events.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kerr,Gillespie** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **223** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **1,869** # of structures **1,342** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

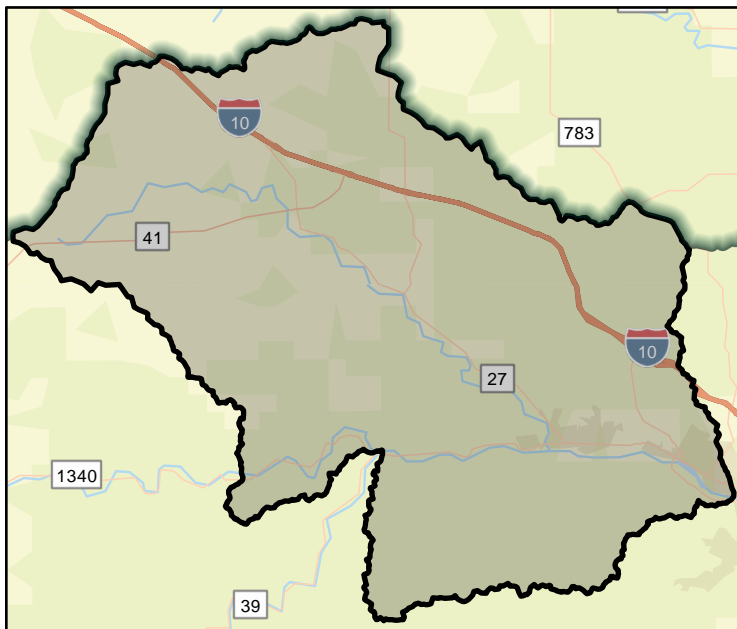
Farm/Ranch land impacted (acres) **7,282** Roadway(s) impacted (length) **36**

Number of low water crossings **41** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Kerr County Center Point Storm Drainage Infrastructure Project Planning**

ID# **111000122**

Sponsor (name of entity, not person) **Kerr (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Bandera,Real,Kendall,Kerr,Gillespie** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **835** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **7,638** # of structures **4,224** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

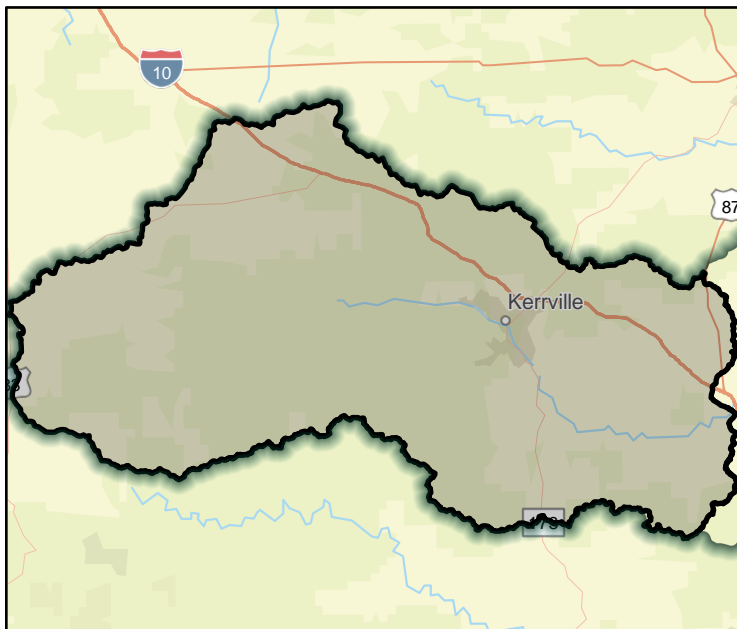
Farm/Ranch land impacted (acres) **29,309** Roadway(s) impacted (length) **132**

Number of low water crossings **159** Historical road closures **-**

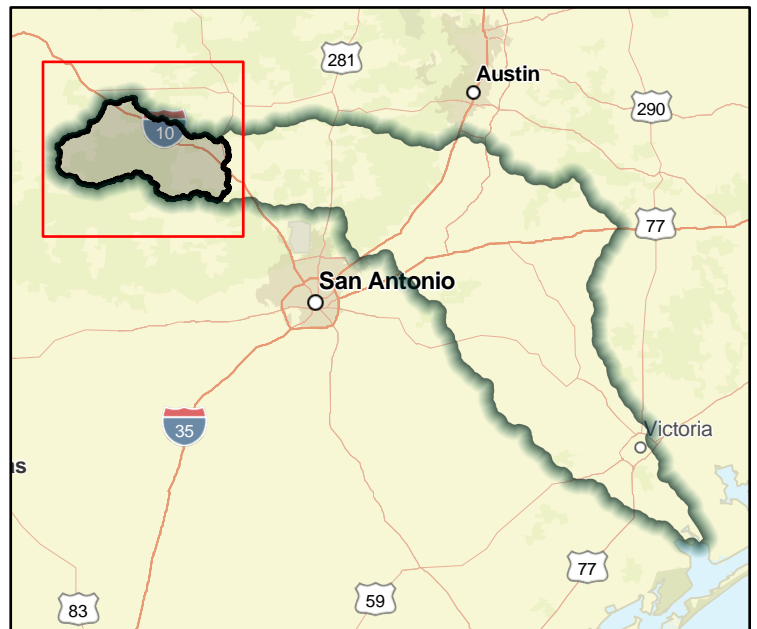
Estimated Cost and Funding Availability

Total Cost **\$125,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Kerr County Dam Integrity Study**

ID# **111000123**

Sponsor (name of entity, not person) **Kerr (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Preparedness**

Study description **Create a dam integrity study and identify repairs to be made to County dams as necessary.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Bandera,Real,Kendall,Kerr,Gillespie** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **835** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **7,638** # of structures **4,224** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

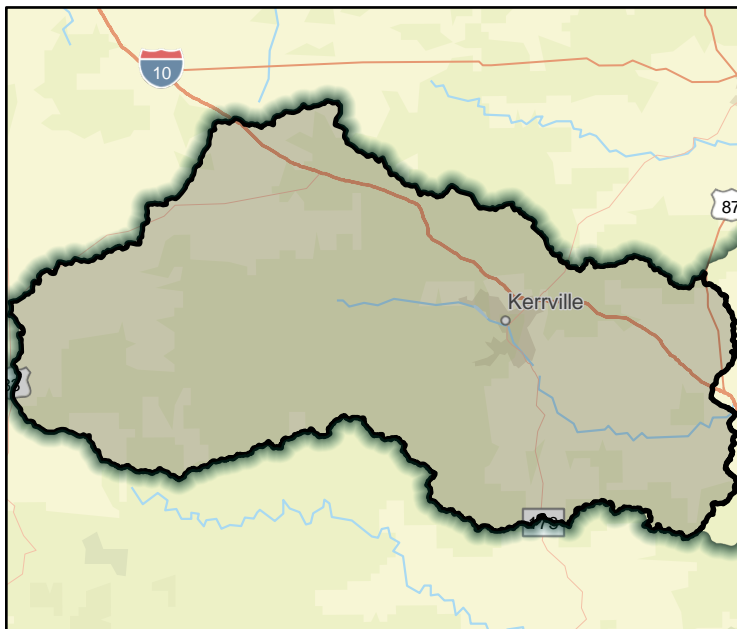
Farm/Ranch land impacted (acres) **29,309** Roadway(s) impacted (length) **132**

Number of low water crossings **159** Historical road closures **-**

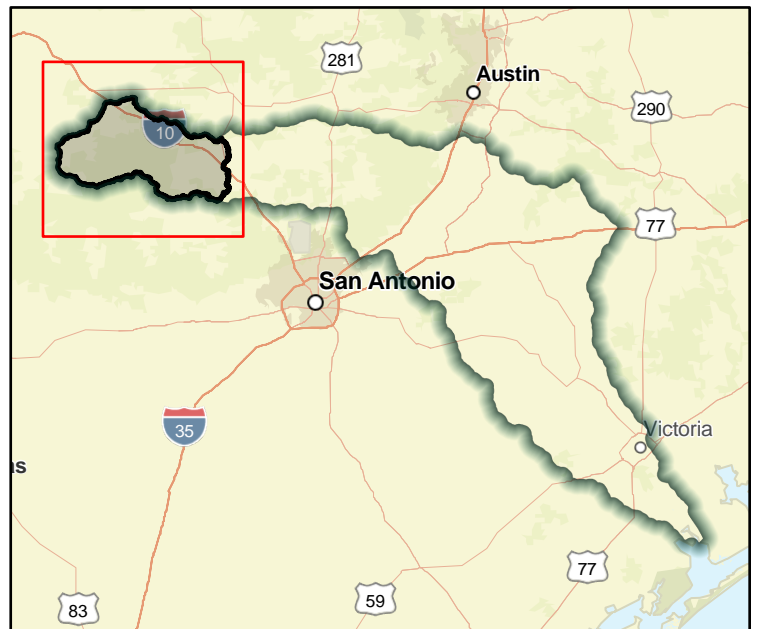
Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Kerr ISD Storm Drainage Infrastructure Project Planning**

ID# **111000124**

Sponsor (name of entity, not person) **Kerrville ISD**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for proposed project to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kerr, Gillespie** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **196** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **6,511** # of structures **2,286** Critical facilities **4**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

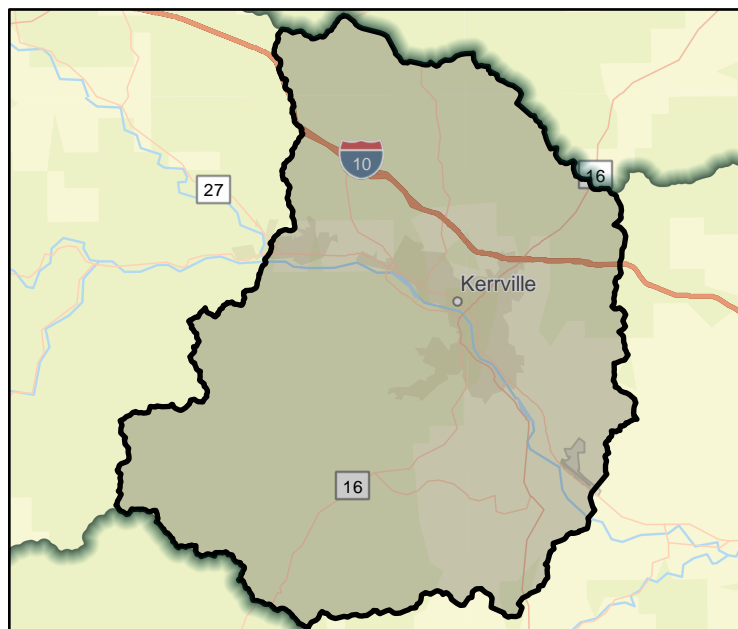
Farm/Ranch land impacted (acres) **4,604** Roadway(s) impacted (length) **53**

Number of low water crossings **60** Historical road closures **-**

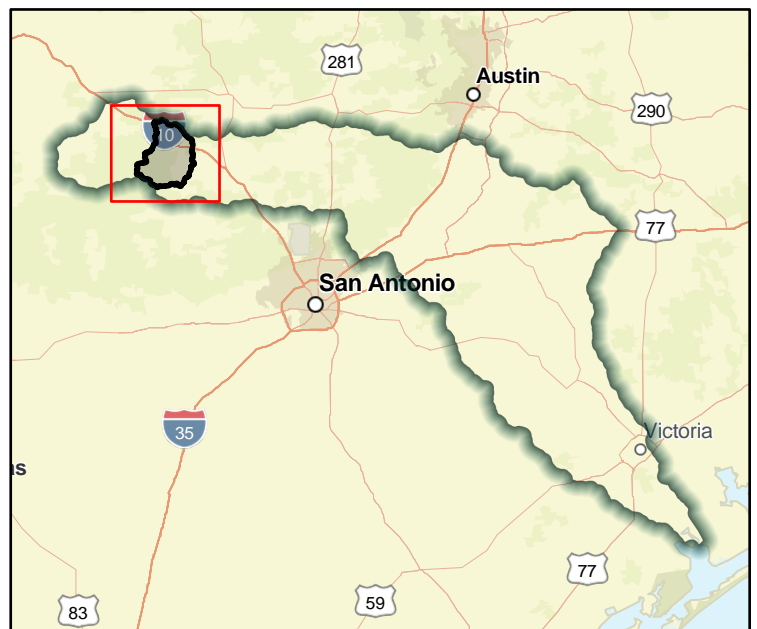
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Travis County Voluntary Buyout Program Project Planning**

ID# **111000126**

Sponsor (name of entity, not person) **Travis (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to identify and prioritize structures for elevation as flood mitigation. Elevate flood prone structures throughout unincorporated Travis County.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Travis** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **1,021** Goal(s) **11000003, 11000004, 11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **18** # of structures **7** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

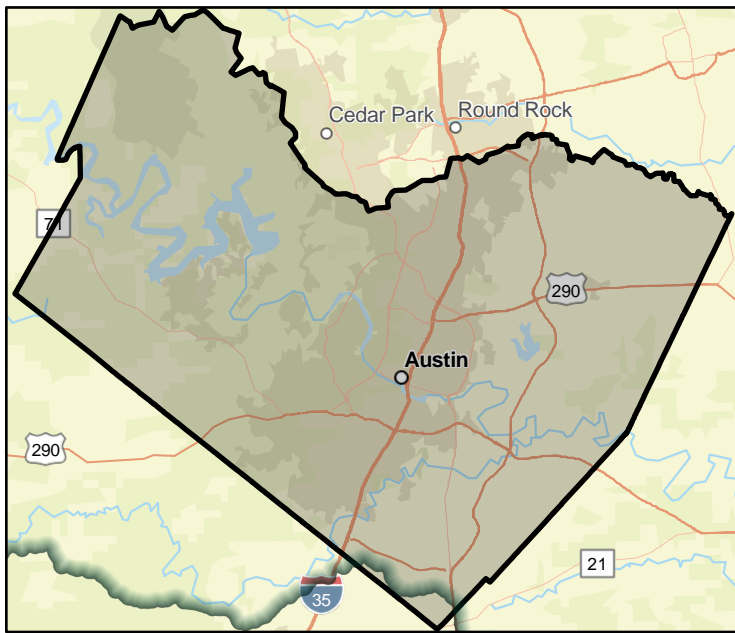
Farm/Ranch land impacted (acres) **99** Roadway(s) impacted (length) **0**

Number of low water crossings **1** Historical road closures **-**

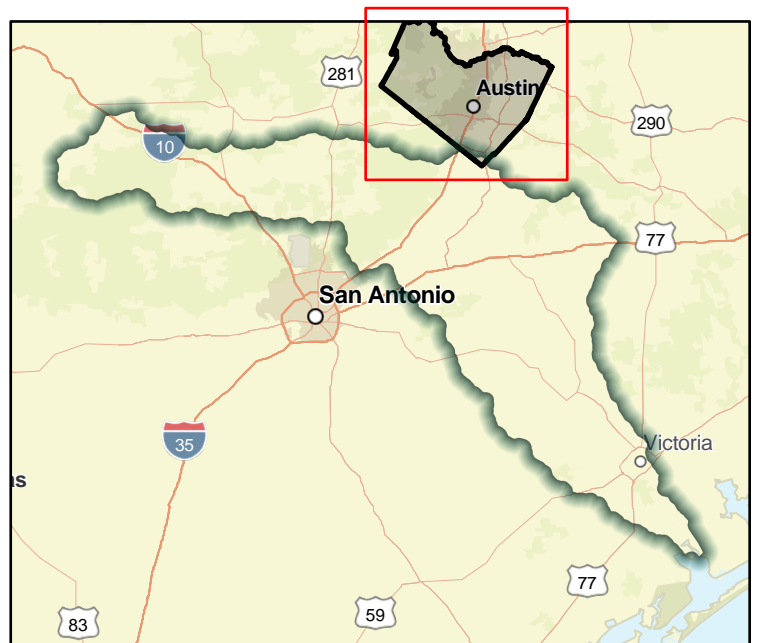
Estimated Cost and Funding Availability

Total Cost **\$300,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title Upper Guadalupe River Authority Evaluation of Water and Sediment Control Facilities

ID# 111000127

Sponsor (name of entity, not person) Upper Guadalupe River Authority

RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type Watershed Planning

Study description 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.

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes

County Bandera,Real,Kendall,Kerr,Gillespie Watershed HUC# (if known) 12100201

Drainage area (Square miles, est.) 835 Goal(s) 11000009, 11000010

100-Year Flood Risk Summary

Population at risk 7,638 # of structures 4,224 Critical facilities 6

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

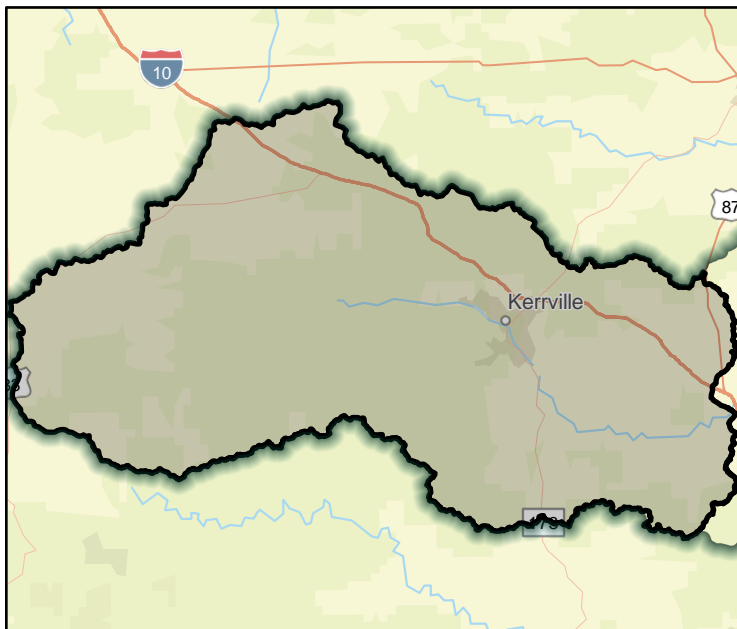
Farm/Ranch land impacted (acres) 29,309 Roadway(s) impacted (length) 132

Number of low water crossings 159 Historical road closures -

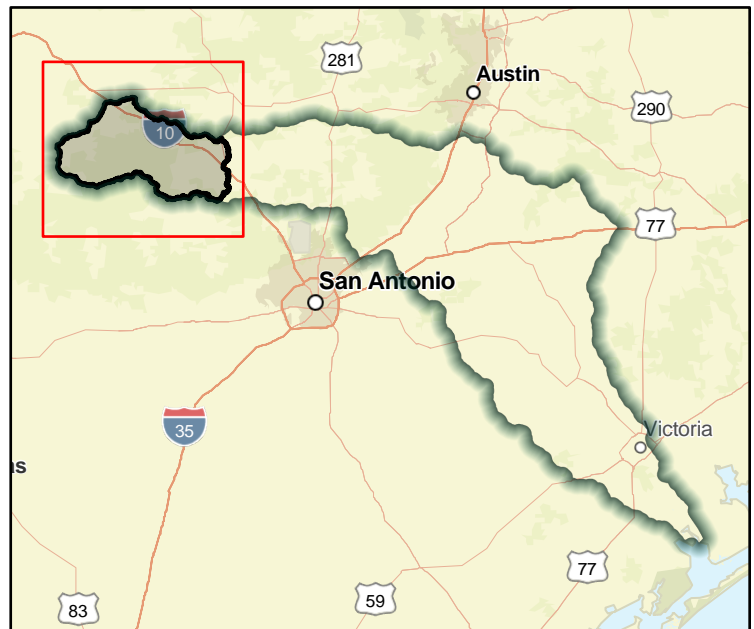
Estimated Cost and Funding Availability

Total Cost \$250,000 Amount of Available Funding TBD Federal funding availability No

Funding source -



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Victoria County Planning and Development Standards Study**

ID# **111000128**

Sponsor (name of entity, not person) **Victoria (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Conduct study for the development and implementation of county wide planning & development standards, sub-division rules, infrastructure rules and building / construction codes.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100303,12100204,12100403**

Drainage area (Square miles, est.) **887** Goal(s) **11000005, 11000006**

100-Year Flood Risk Summary

Population at risk **4,019** # of structures **1,808** Critical facilities **60**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

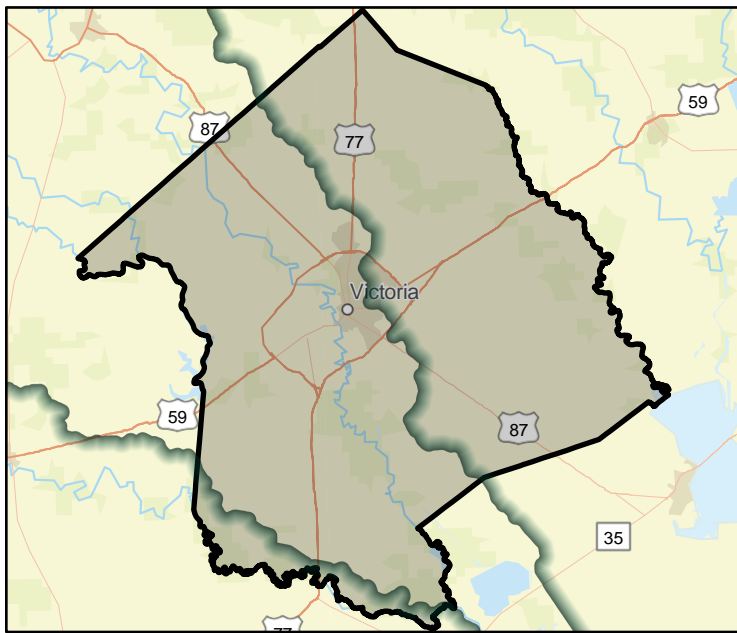
Farm/Ranch land impacted (acres) **33,696** Roadway(s) impacted (length) **99**

Number of low water crossings **5** Historical road closures **-**

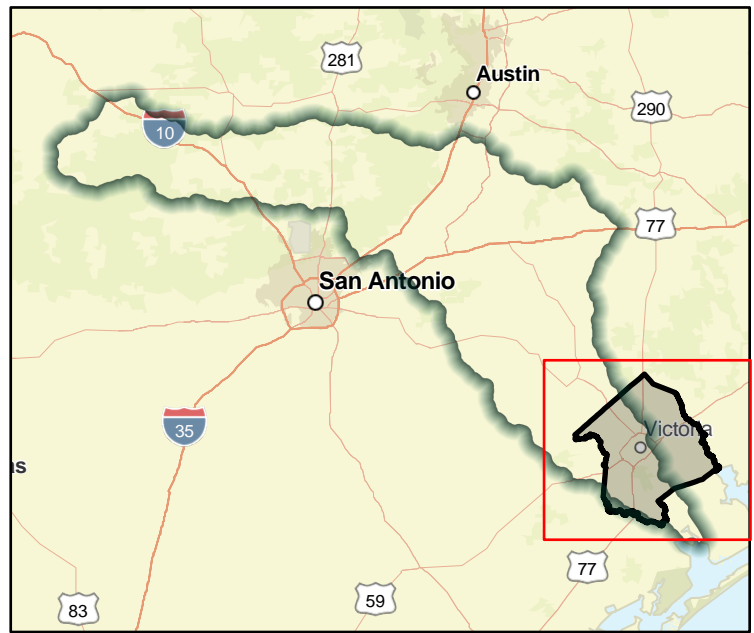
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Victoria County Drainage Improvements Study**

ID# **111000129**

Sponsor (name of entity, not person) **Victoria (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Study of solutions to increase dimensions of drainage culverts in areas prone to flooding and/or drainage problems, in various county locations.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100204**

Drainage area (Square miles, est.) **51** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,337** # of structures **1,313** Critical facilities **35**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **4,968** Roadway(s) impacted (length) **64**

Number of low water crossings **1** Historical road closures **-**

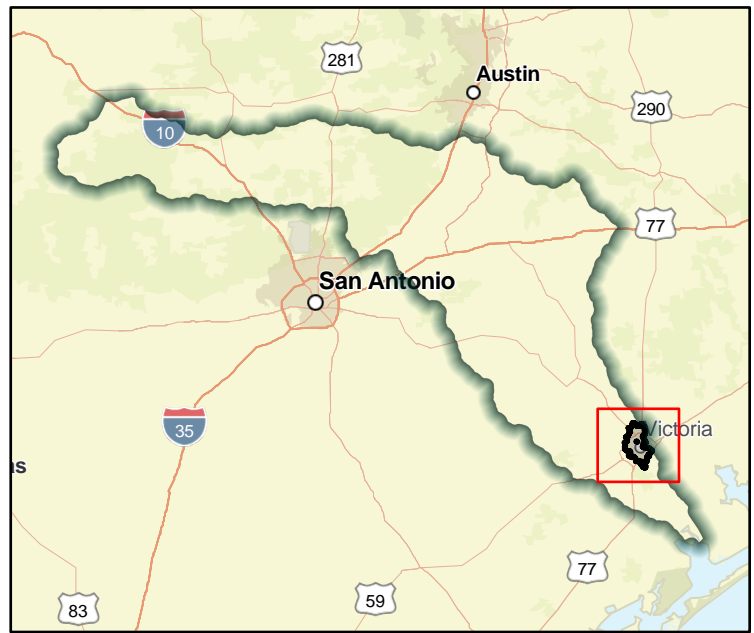
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Victoria County FIRMs**

ID# **111000130**

Sponsor (name of entity, not person) **Victoria (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100303,12100204,12100403**

Drainage area (Square miles, est.) **887** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **4,019** # of structures **1,808** Critical facilities **60**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

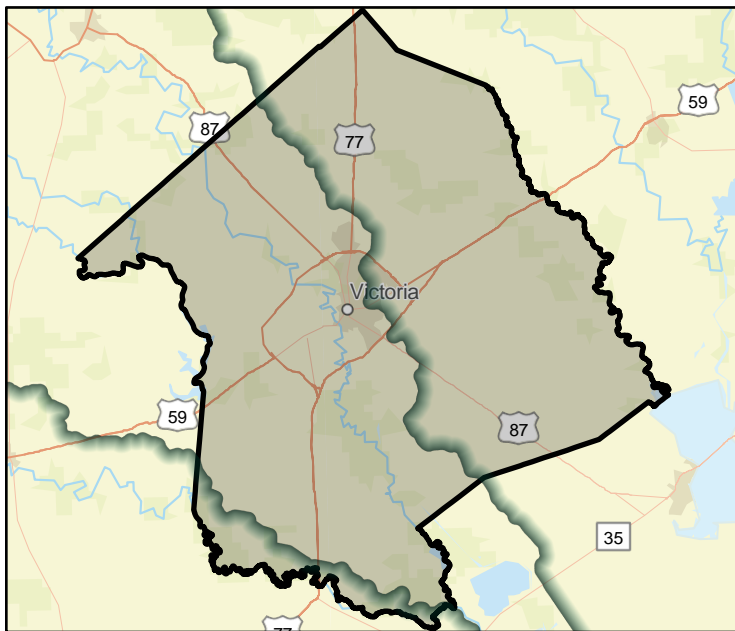
Farm/Ranch land impacted (acres) **33,696** Roadway(s) impacted (length) **99**

Number of low water crossings **5** Historical road closures **-**

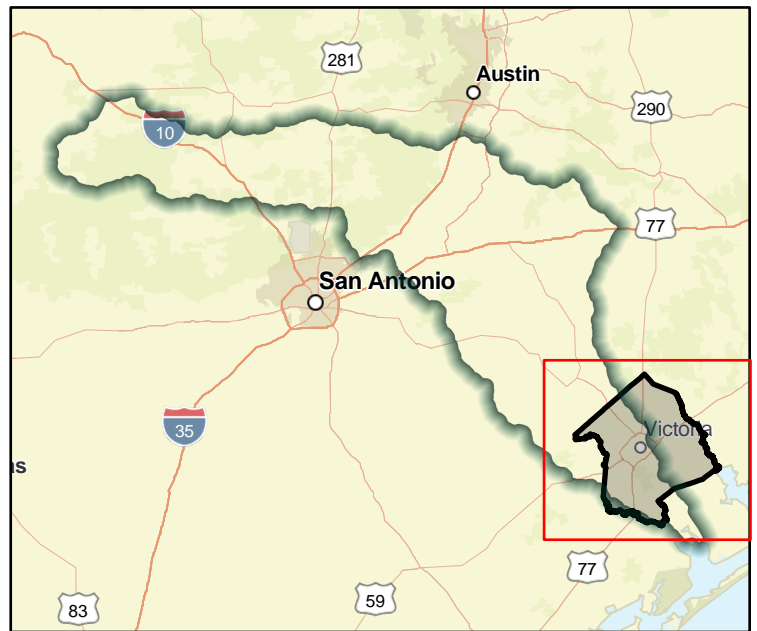
Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Victoria County Drainage Improvements around County EOC Project Planning**

ID# **111000131**

Sponsor (name of entity, not person) **Victoria (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to improve drainage around County EOC and flood-proof facilities as necessary.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100204**

Drainage area (Square miles, est.) **51** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,337** # of structures **1,313** Critical facilities **35**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **4,968** Roadway(s) impacted (length) **64**

Number of low water crossings **1** Historical road closures **-**

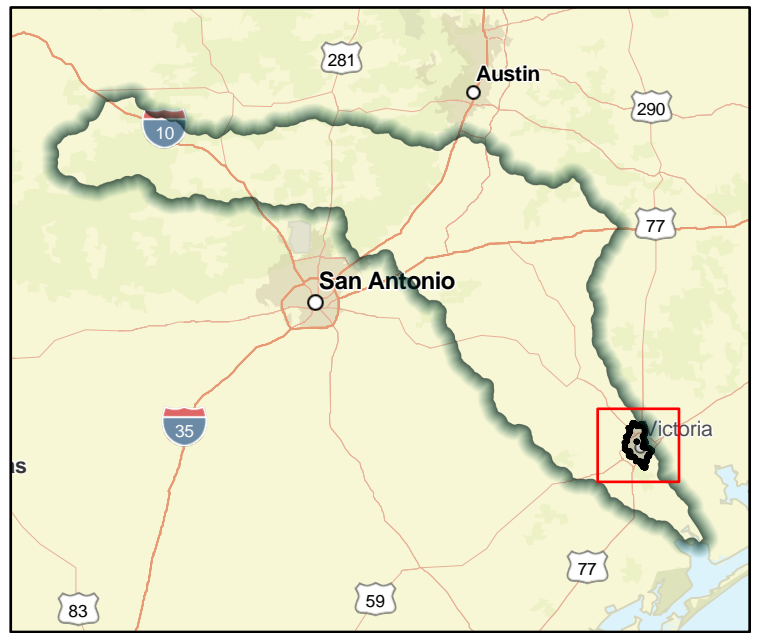
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Victoria County Bridge Improvements Project Planning**

ID# **111000132**

Sponsor (name of entity, not person) **Victoria (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to raise various County bridges above current Base Flood Elevation (BFE) levels to include such improvements as: box culverts, wingback walls, rip rap, channelization, and road base improvement.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100303,12100204,12100403**

Drainage area (Square miles, est.) **887** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **4,019** # of structures **1,808** Critical facilities **60**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

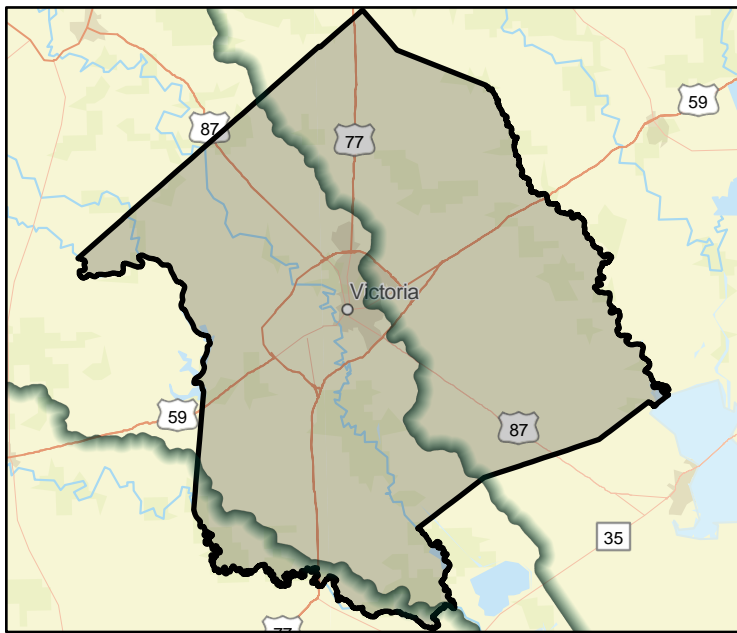
Farm/Ranch land impacted (acres) **33,696** Roadway(s) impacted (length) **99**

Number of low water crossings **5** Historical road closures **-**

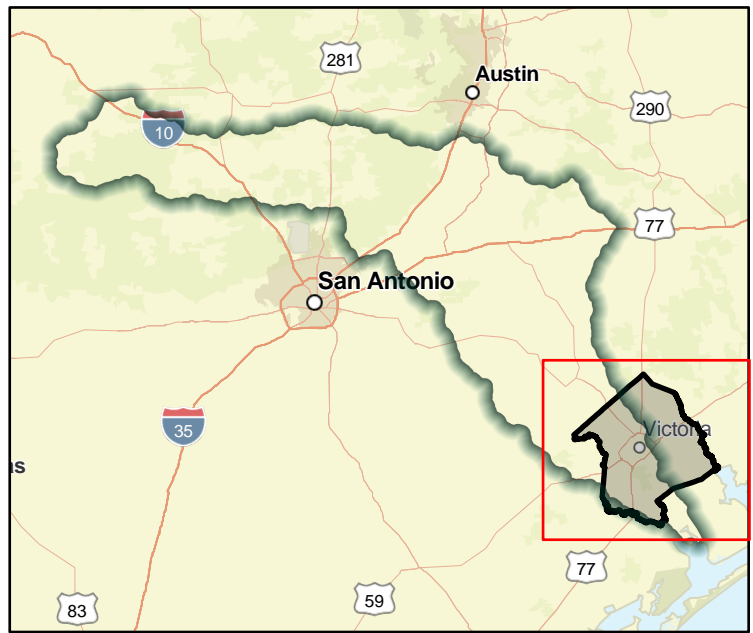
Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Victoria County Voluntary Buyout Program Project Planning**

ID# **111000133**

Sponsor (name of entity, not person) **Victoria (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to implement a voluntary acquisition program for repetitive flood properties.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100303,12100204,12100403**

Drainage area (Square miles, est.) **887** Goal(s) **11000003, 11000004, 11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **4,019** # of structures **1,808** Critical facilities **60**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

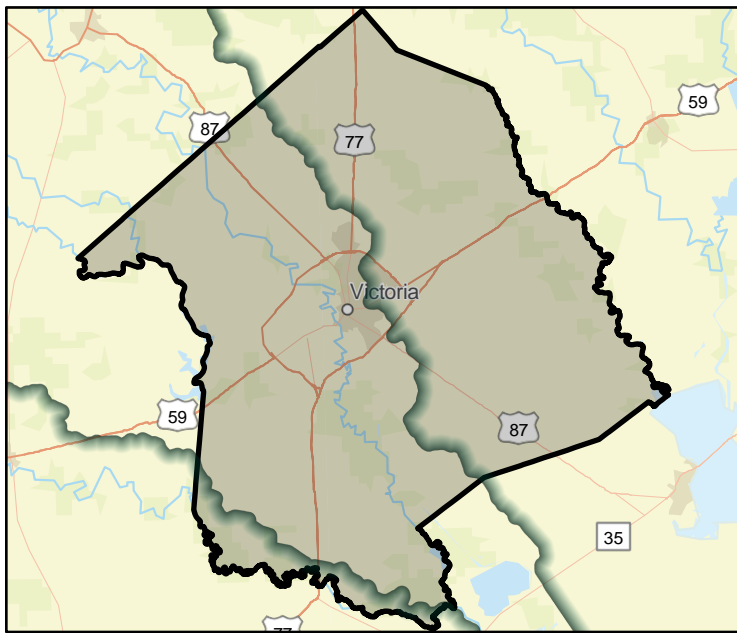
Farm/Ranch land impacted (acres) **33,696** Roadway(s) impacted (length) **99**

Number of low water crossings **5** Historical road closures **-**

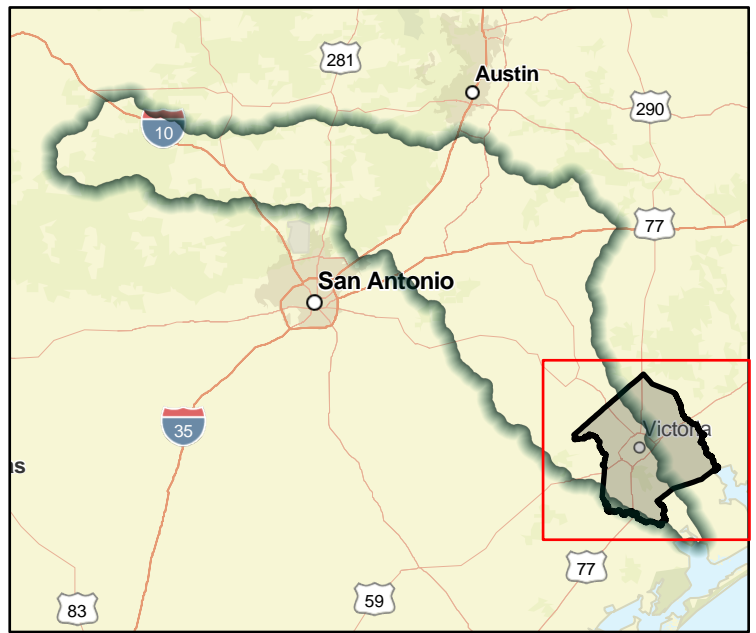
Estimated Cost and Funding Availability

Total Cost **\$300,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Wilson County Stormwater Management Plan**

ID# **111000134**

Sponsor (name of entity, not person) **Wilson (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Develop flood hazard information by collecting information, high water marks, and conduct engineering studies to develop the 100 year and 500 year flood elevation levels.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Gonzales,Guadalupe,Karnes,Wilson** Watershed HUC# (if known) **12100202,12100204**

Drainage area (Square miles, est.) **104** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **68** # of structures **41** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

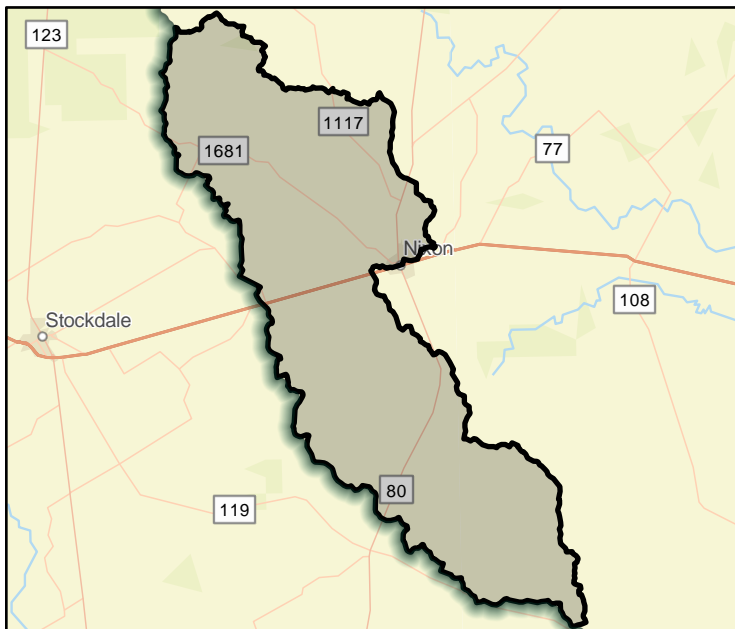
Farm/Ranch land impacted (acres) **5,136** Roadway(s) impacted (length) **6**

Number of low water crossings **0** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Wilson County Low Water Crossing Improvements Project Planning**

ID# **111000135**

Sponsor (name of entity, not person) **Wilson (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to upgrade infrastructure at low water crossings to provide unimpeded access during 100 year base flood event to facilitate evacuation and response by emergency vehicles**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Gonzales,Guadalupe,Karnes,Wilson** Watershed HUC# (if known) **12100202,12100204**

Drainage area (Square miles, est.) **104** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **68** # of structures **41** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

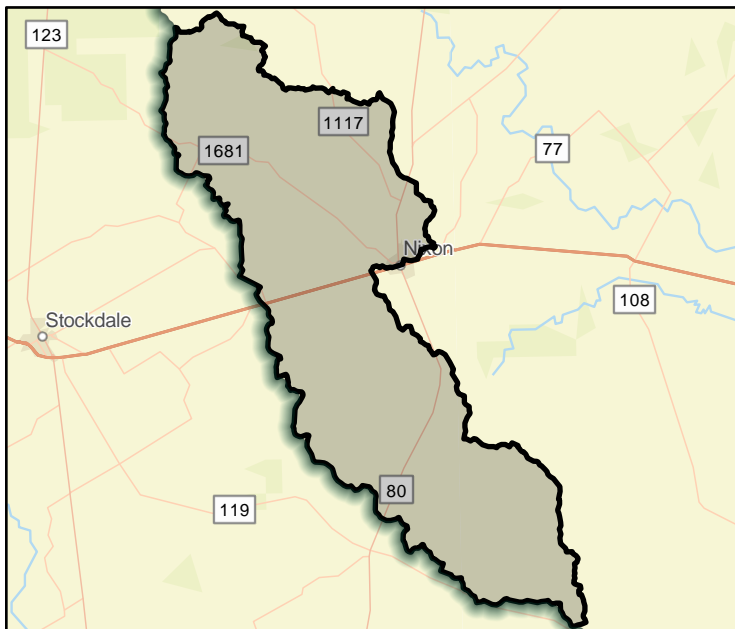
Farm/Ranch land impacted (acres) **5,136** Roadway(s) impacted (length) **6**

Number of low water crossings **0** Historical road closures **-**

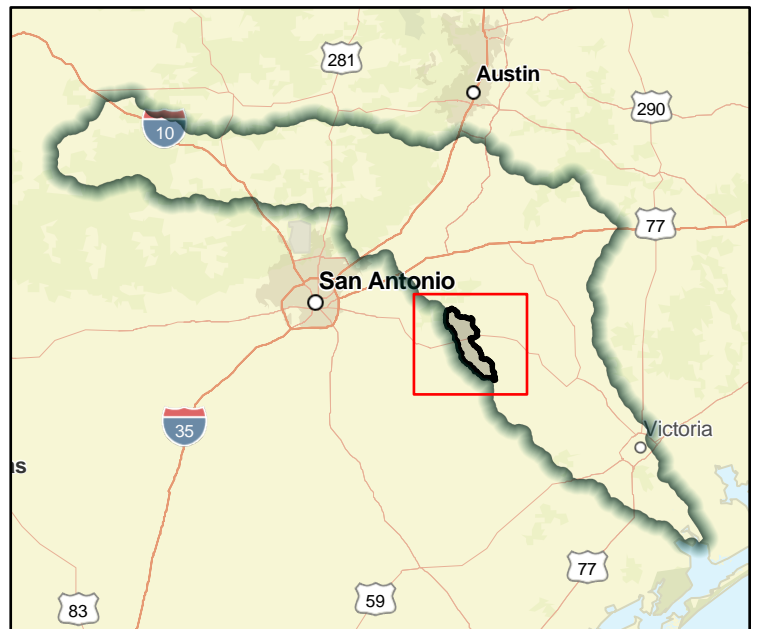
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Wilson County Voluntary Buyout Program Project Planning**

ID# **111000136**

Sponsor (name of entity, not person) **Wilson (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to establish of a voluntary aquisition and demolition program, structure relocation program, and structure elevation program to address repetitive loss, floodprone properties. Keep a database of properties.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Wilson** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **806** Goal(s) **11000003, 11000004, 11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **33** # of structures **18** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

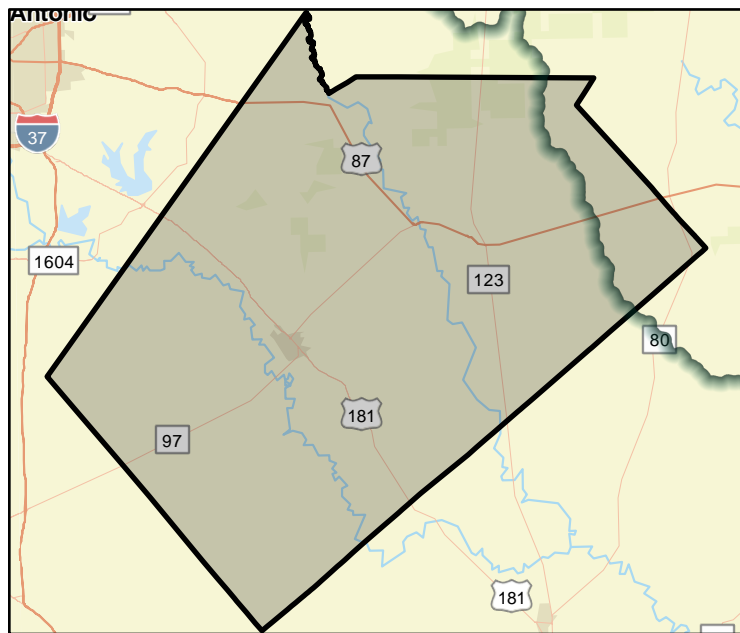
Farm/Ranch land impacted (acres) **2,120** Roadway(s) impacted (length) **4**

Number of low water crossings **0** Historical road closures **-**

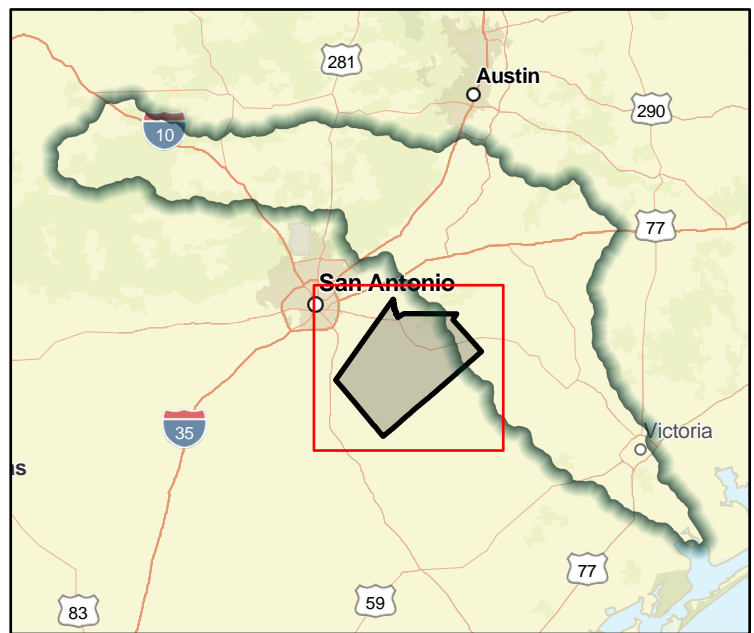
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Blanco County Emergency Power Generators Project Planning**

ID# **111000137**

Sponsor (name of entity, not person) **Blanco (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning to install emergency generators at critical facilities to provide back-up power from hazard events.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Blanco** Watershed HUC# (if known) **12100203,12100201**

Drainage area (Square miles, est.) **711** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **256** # of structures **167** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

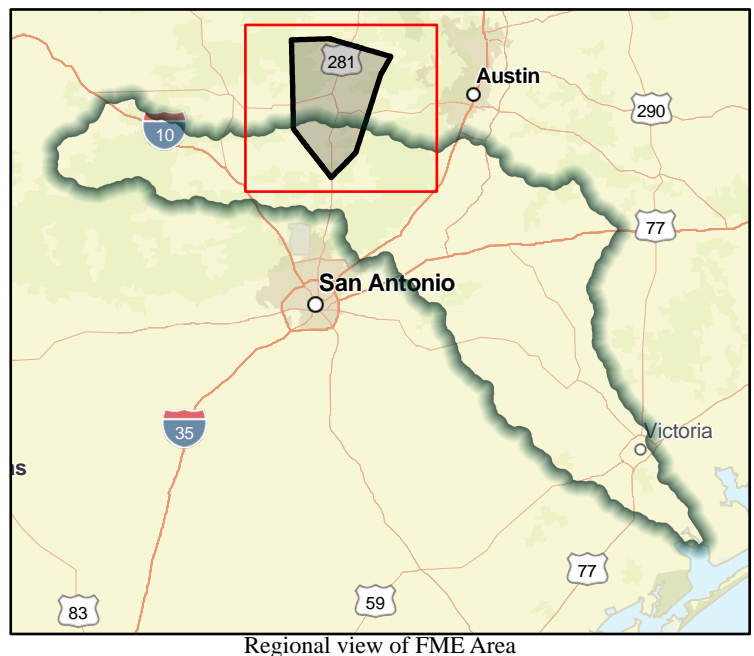
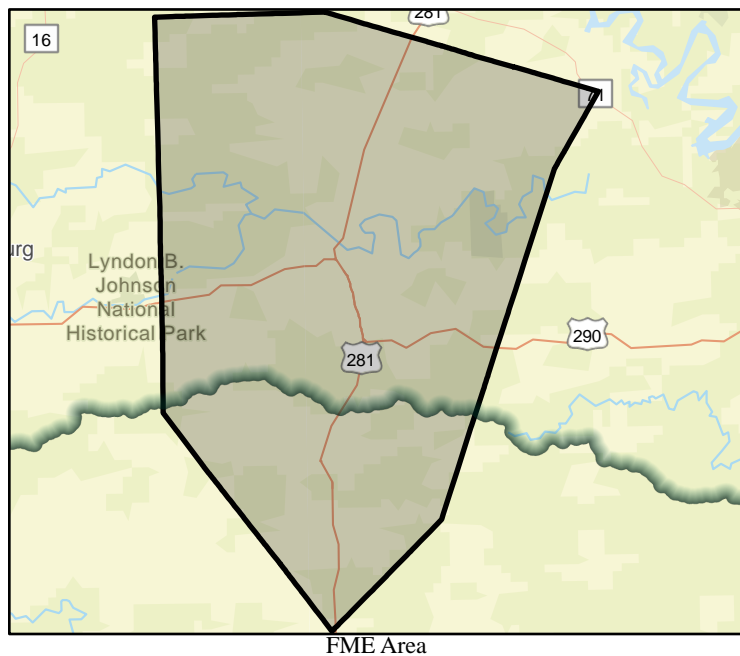
Farm/Ranch land impacted (acres) **4,092** Roadway(s) impacted (length) **14**

Number of low water crossings **30** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



Flood Management Evaluation (FME)



Title **Technical Study to Enhance Great Springs Project Regional Flood Mitigation**

ID# **111000139**

Sponsor (name of entity, not person) **Edwards Aquifer Authority**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **The study will assess and quantify the flood mitigation impacts of an additional 50,000 acres of land conservation and trail development and identify possible modifications of open space and trail features to enhance flood mitigation.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal,Hays** Watershed HUC# (if known) **12100202,12100203**

Drainage area (Square miles, est.) **275** Goal(s) **11000003, 11000004**

100-Year Flood Risk Summary

Population at risk **802** # of structures **382** Critical facilities **3**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

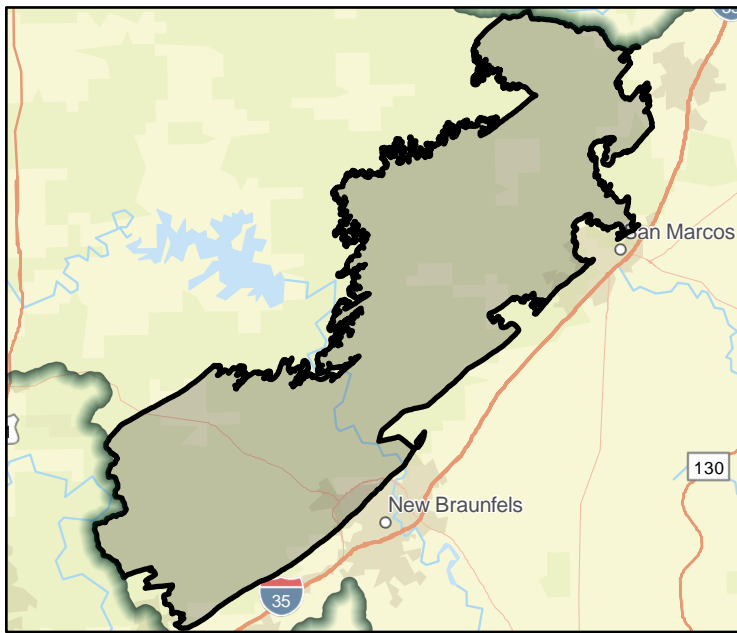
Farm/Ranch land impacted (acres) **6,858** Roadway(s) impacted (length) **19**

Number of low water crossings **44** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Victoria Waste Water Treatment Plant Protection Project**

ID# **111000140**

Sponsor (name of entity, not person) **Victoria (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for potential erosion protection and streambank stabilization project intended to protect the levee around the City's wastewater plant.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Victoria** Watershed HUC# (if known) **12100204**

Drainage area (Square miles, est.) **0** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **13** # of structures **11** Critical facilities **11**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

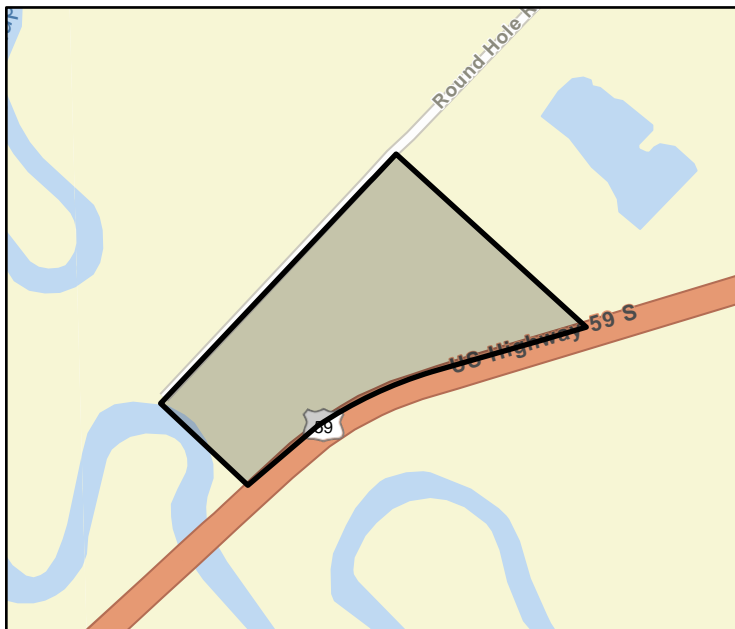
Farm/Ranch land impacted (acres) **27** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **-**

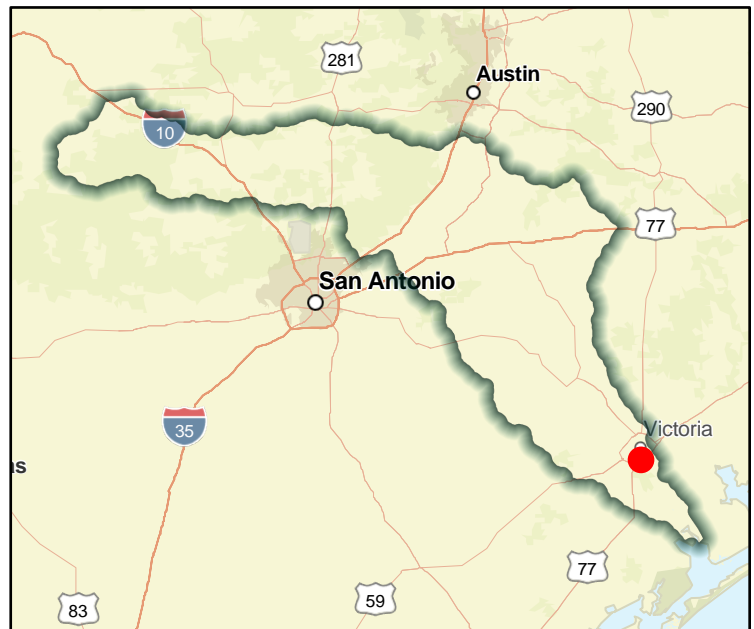
Estimated Cost and Funding Availability

Total Cost **\$300,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of San Marcos South LBJ Drive at Willow Springs Creek Project Planning**

ID# **111000142**

Sponsor (name of entity, not person) **San Marcos (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Alternatives analysis to determine if a feasible FMP exists at this location. Develop technical data required for FMPs.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe,Comal,Caldwell,Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **113** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **15,045** # of structures **3,190** Critical facilities **15**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

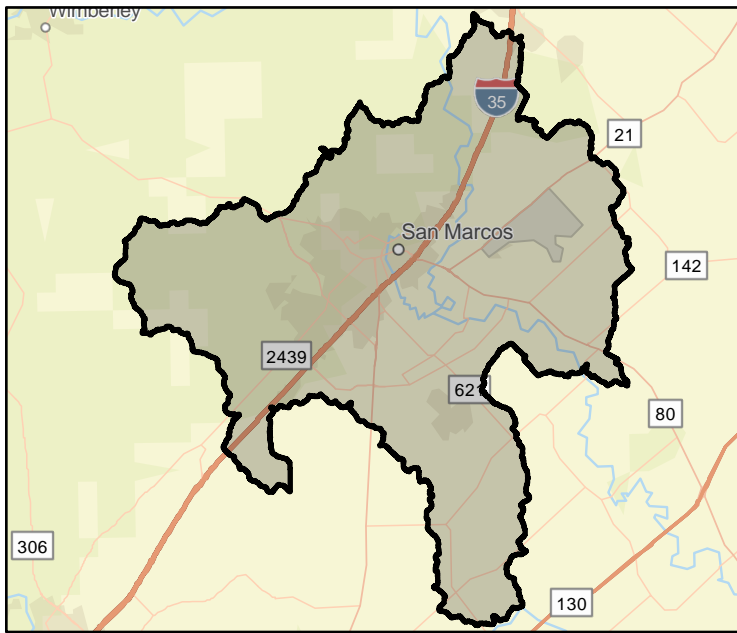
Farm/Ranch land impacted (acres) **3,685** Roadway(s) impacted (length) **71**

Number of low water crossings **38** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Green DeWitt County Drainage District Cuero Levee Study**

ID# **111000143**

Sponsor (name of entity, not person) **Dewitt County Drainage District 1**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Feasibility study of potential levee to protect City from river flooding with risk to life/safety and catastrophic damage, as has been experienced in Cuero on numerous occasions.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **De Witt** Watershed HUC# (if known) **12100202,12100204**

Drainage area (Square miles, est.) **7** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **3,213** # of structures **1,991** Critical facilities **10**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

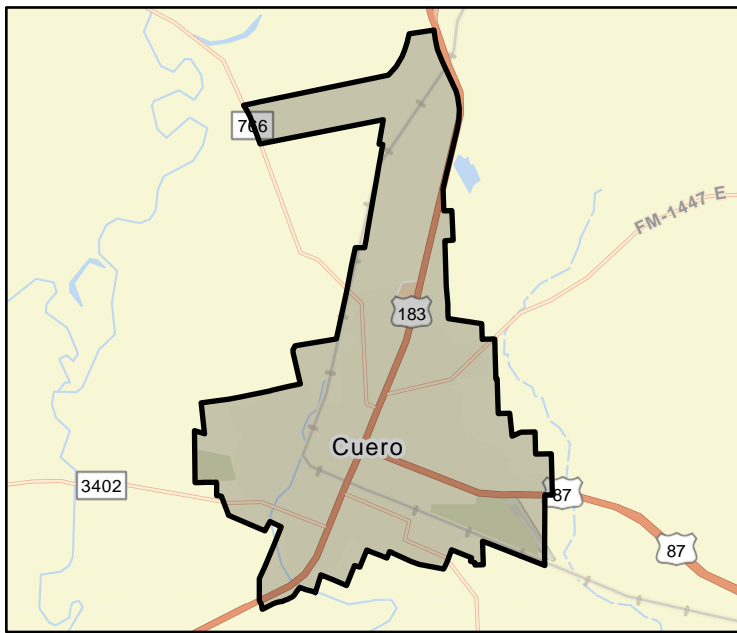
Farm/Ranch land impacted (acres) **116** Roadway(s) impacted (length) **35**

Number of low water crossings **2** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of New Braunfels Wood Road/Landa Street Drainage Improvement**

ID# **111000144**

Sponsor (name of entity, not person) **New Braunfels (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for drainage improvement project to capture runoff east of Walnut Avenue and detains it in a 12-acre detention pond with 144 acre-feet of storage capacity. The pond outfall structure discharges to an existing channel south of Wood Road.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **14** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **1,463** # of structures **350** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

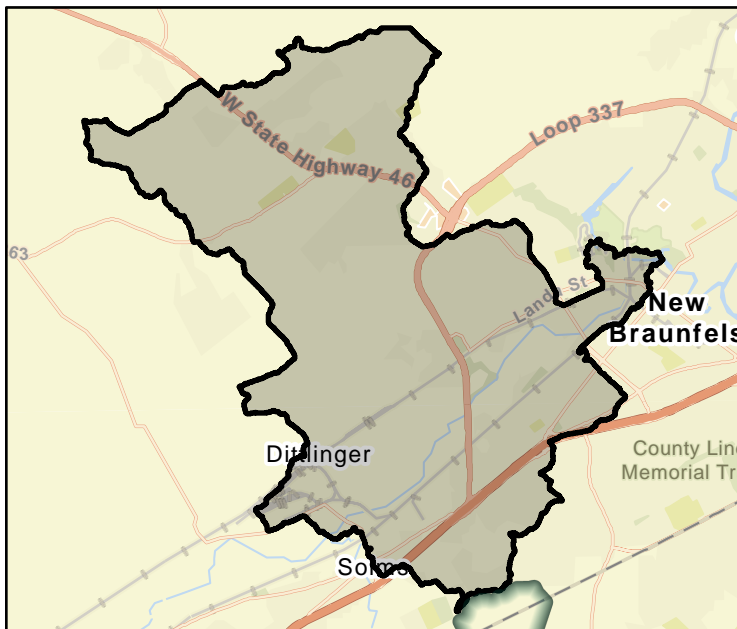
Farm/Ranch land impacted (acres) **233** Roadway(s) impacted (length) **5**

Number of low water crossings **6** Historical road closures **-**

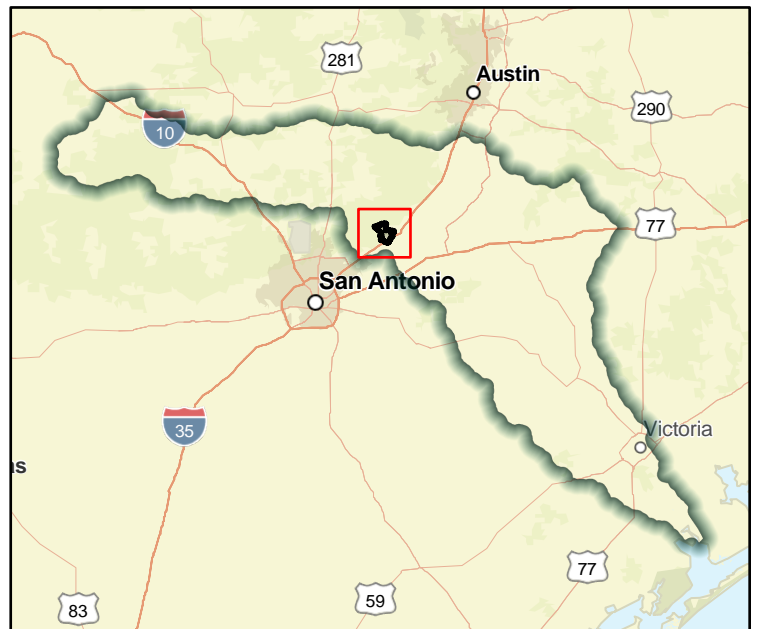
Estimated Cost and Funding Availability

Total Cost **\$3,575,700** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Kendall County Guadalupe River Model Study**

ID# **111000145**

Sponsor (name of entity, not person) **Kendall (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Study to complete an HH model for all of the Guadalupe River within Kendall County.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal,Kendall,Kerr,Hays,Gillespie,Blanco** Watershed HUC# (if known) **12100201,12100203**

Drainage area (Square miles, est.) **722** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **2,968** # of structures **1,950** Critical facilities **3**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

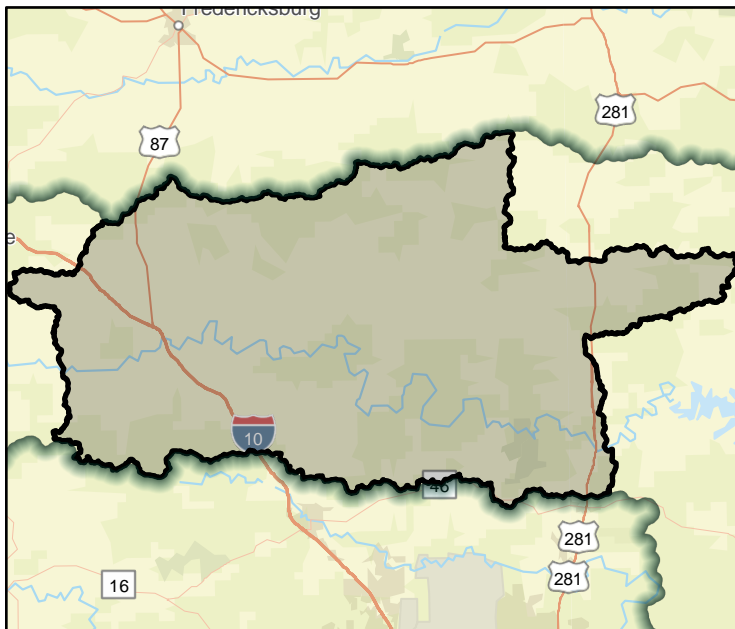
Farm/Ranch land impacted (acres) **34,192** Roadway(s) impacted (length) **78**

Number of low water crossings **64** Historical road closures **-**

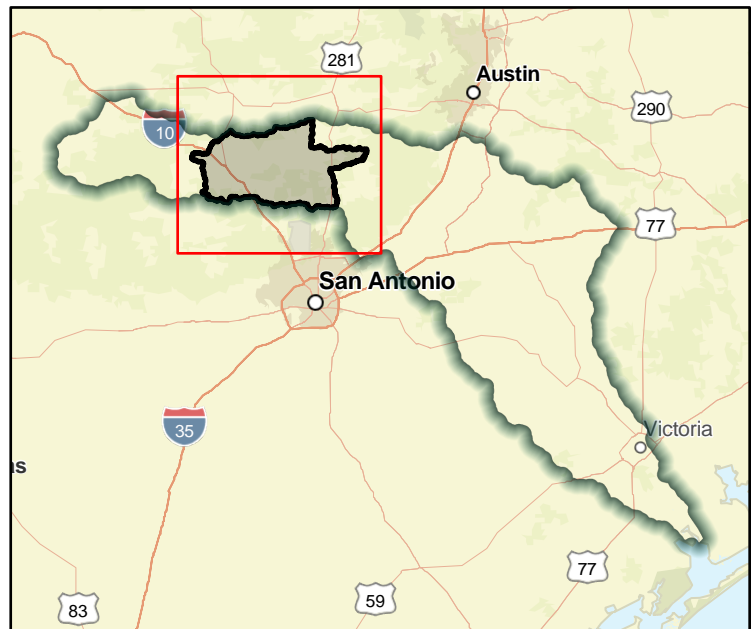
Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Kendall County Stream Gauges and Flood Hazard Beacons**

ID# **111000146**

Sponsor (name of entity, not person) **Kendall (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Preparedness**

Study description **Study to evaluate locations for stream gauges and flood hazard beacons.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal,Kendall,Kerr,Hays,Gillespie,Blanco** Watershed HUC# (if known) **12100201,12100203**

Drainage area (Square miles, est.) **722** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **2,968** # of structures **1,950** Critical facilities **3**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

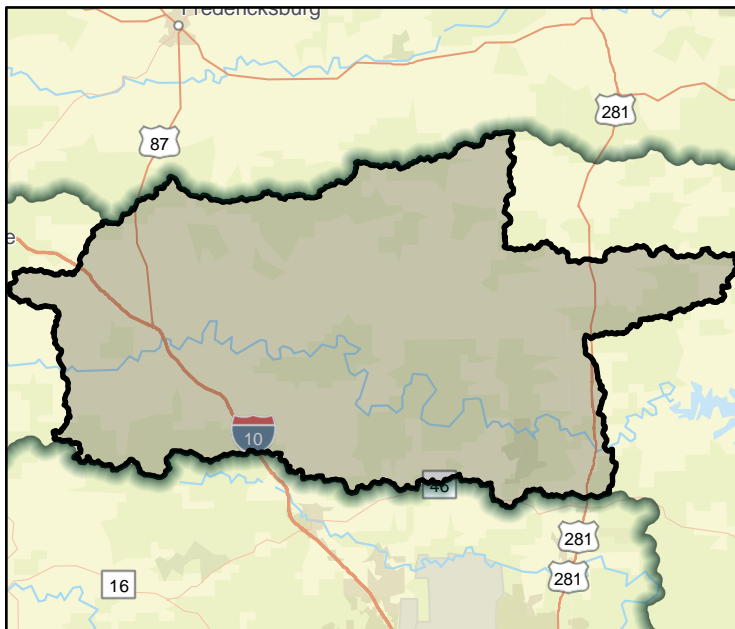
Farm/Ranch land impacted (acres) **34,192** Roadway(s) impacted (length) **78**

Number of low water crossings **64** Historical road closures **-**

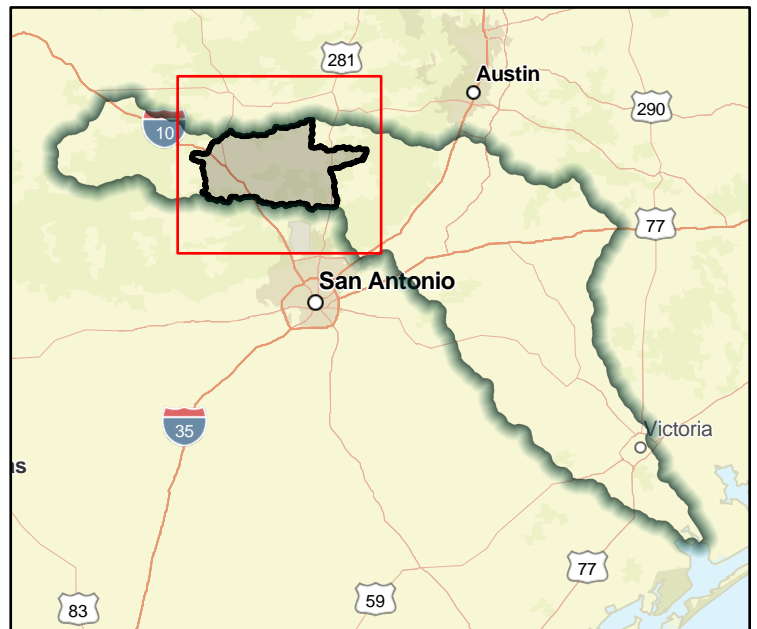
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Kerrville Spring Street Project**

ID# **111000147**

Sponsor (name of entity, not person) **Kerrville (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Develop required technical data for FMP. Project planning for storm drain and channel improvement project.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kerr** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **2** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **1,394** # of structures **191** Critical facilities **2**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

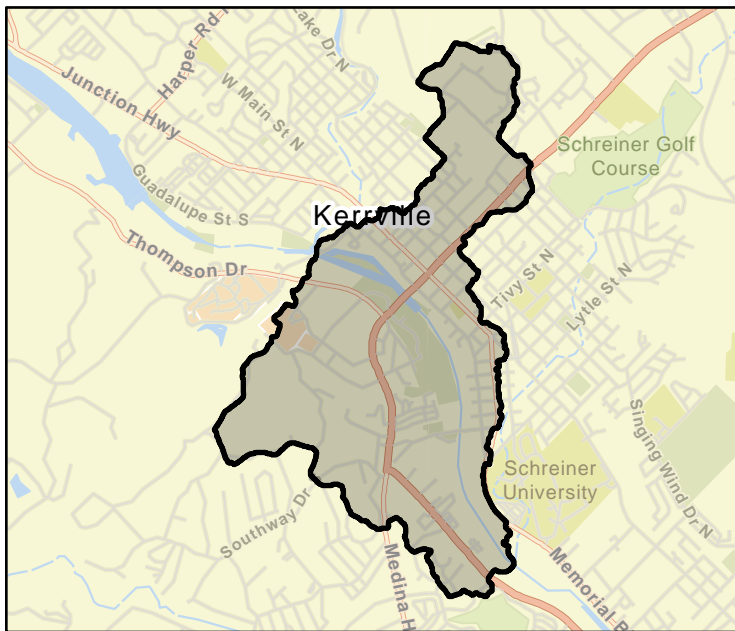
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **4**

Number of low water crossings **4** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$15,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Kerrville Clay Street Drainage and Kroc Center Detention Pond Spillway Improvements**

ID# **111000148**

Sponsor (name of entity, not person) **Kerrville (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Develop required technical data for FMP. Project planning for detention pond spillway improvement project.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kerr** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **2** Goal(s) **11000001, 11000002, 11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **1,394** # of structures **191** Critical facilities **2**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

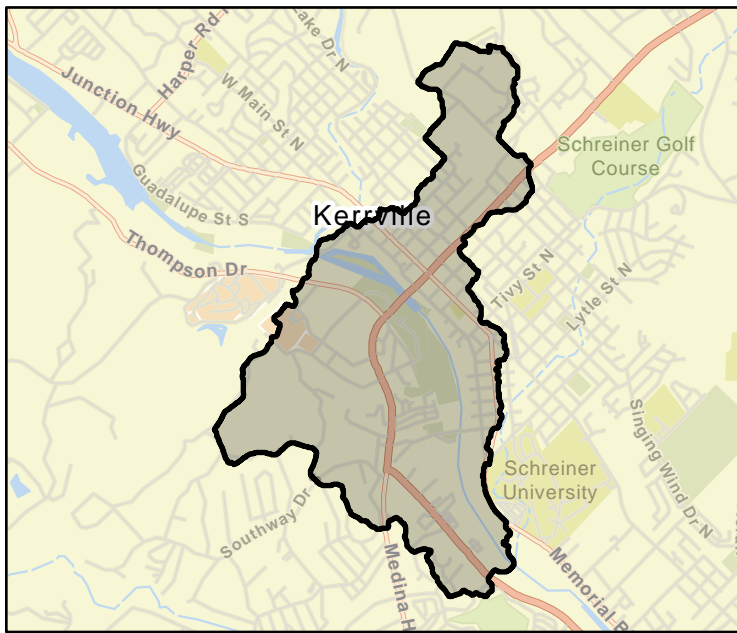
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **4**

Number of low water crossings **4** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$15,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title City of Kerrville Coronado Drive and Junction Highway Drainage Improvements

ID# 111000149

Sponsor (name of entity, not person) Kerrville (Municipality)

RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type Project Planning

Study description Develop required technical data for FMP. Project planning for street and drainage improvement project.

New Hydrologic or Hydraulic model? Yes

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Kerr

Watershed HUC# (if known) 12100201

Drainage area (Square miles, est.) 7

Goal(s) 11000001, 11000002, 11000009, 11000010

100-Year Flood Risk Summary

Population at risk 852

of structures 249

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 67

Roadway(s) impacted (length) 5

Number of low water crossings 8

Historical road closures -

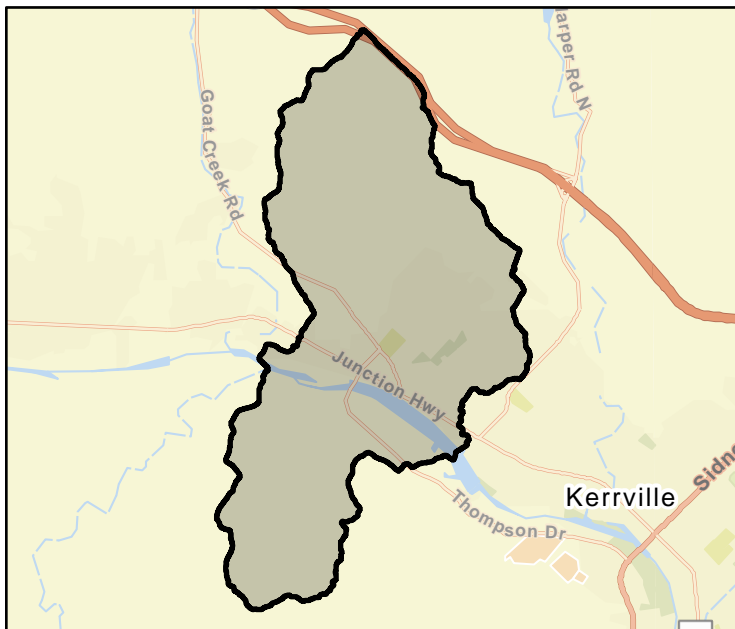
Estimated Cost and Funding Availability

Total Cost \$15,000

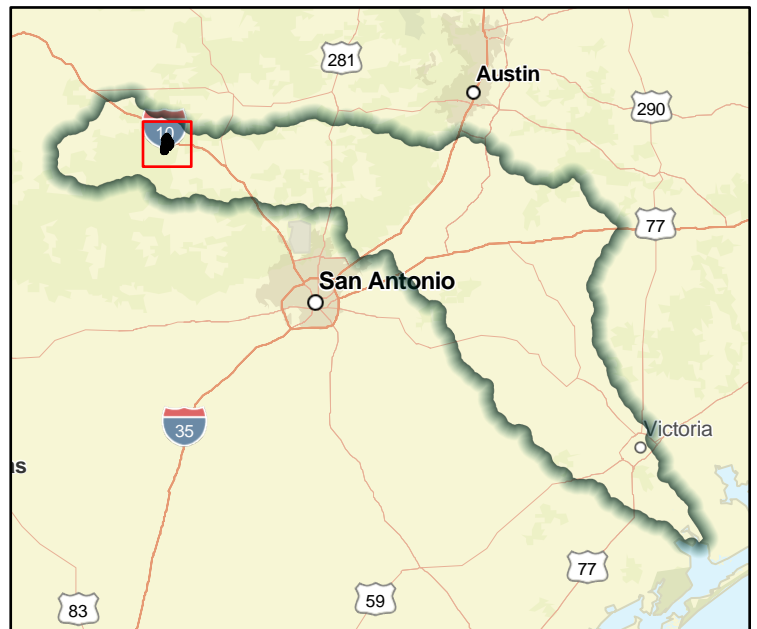
Amount of Available Funding TBD

Federal funding availability No

Funding source -



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title City of New Braunfels River Road (Lakeview Blvd – Loop 337) Low Water Crossing Project Planning

ID# 111000150

Sponsor (name of entity, not person) New Braunfels (Municipality)

RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type Project Planning

Study description Improve low water crossing access and multimodal connectivity. Includes a hydraulic bridge structure to improve access over the floodplain and the intersection at Lakeview Blvd. Possible coordination with Blieders Creek/German Creek Drainage Project.

New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes

County Comal Watershed HUC# (if known) 12100202

Drainage area (Square miles, est.) 7 Goal(s) 11000001, 11000002

100-Year Flood Risk Summary

Population at risk 434 # of structures 93 Critical facilities 2

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Farm/Ranch land impacted (acres) 161 Roadway(s) impacted (length) 2

Number of low water crossings 6 Historical road closures -

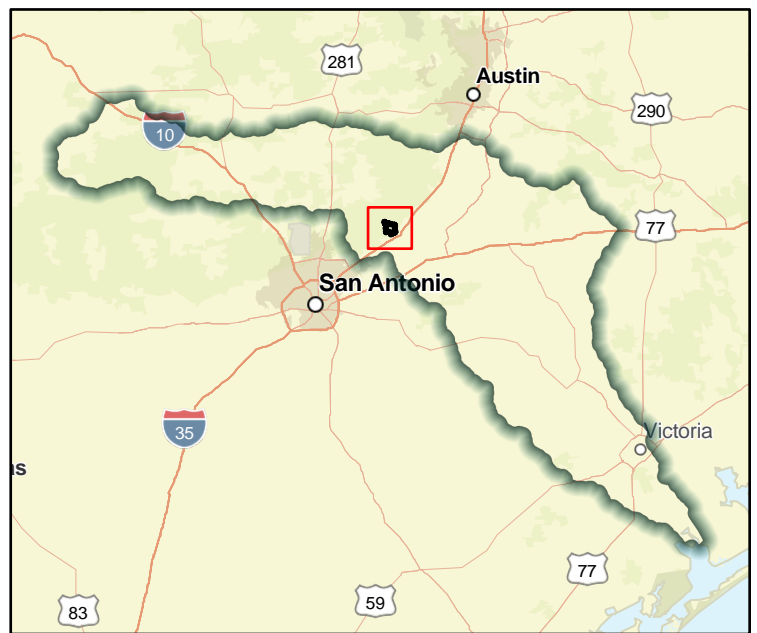
Estimated Cost and Funding Availability

Total Cost \$250,000 Amount of Available Funding TBD Federal funding availability No

Funding source -



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County Plum Creek Near US 183 and I-10 Intersection**

ID# **111000152**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Evaluate projects to mitigate residential and commercial flooding on Plum Creek with consideration of influence from San Marcos River**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Gonzales,Guadalupe,Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **1** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **223** # of structures **95** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

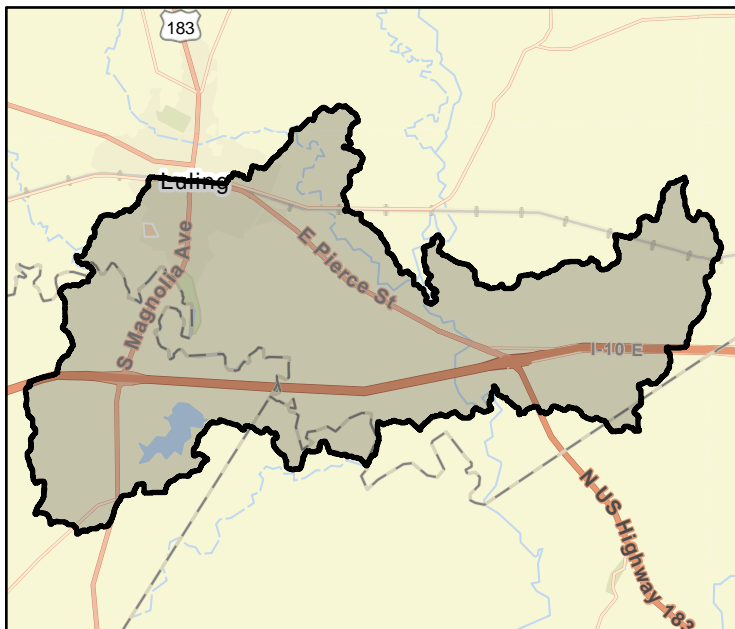
Farm/Ranch land impacted (acres) **2,642** Roadway(s) impacted (length) **10**

Number of low water crossings **2** Historical road closures **-**

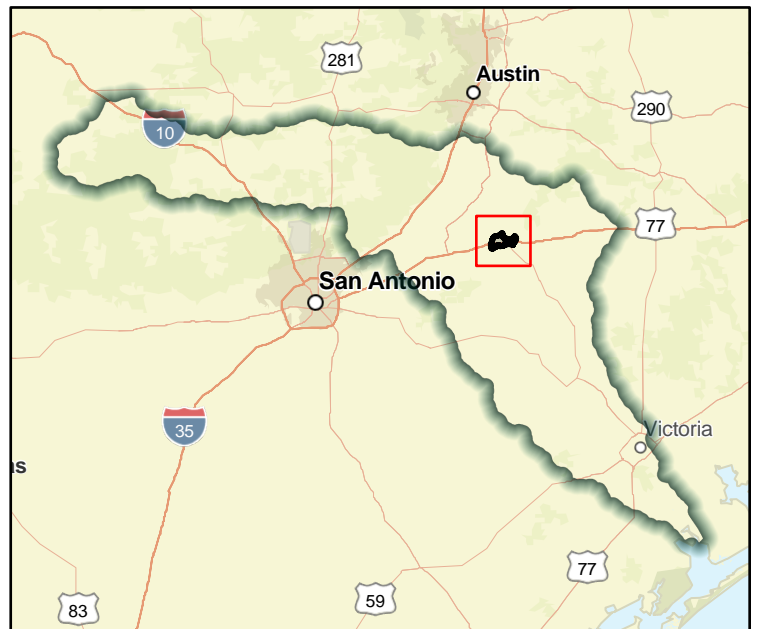
Estimated Cost and Funding Availability

Total Cost **\$60,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County FM 1322 @ Plum Creek**

ID# **111000153**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Evaluate bridge and roadway upgrades on FM 1322 to improve level-of-service**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **5** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **2** # of structures **2** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

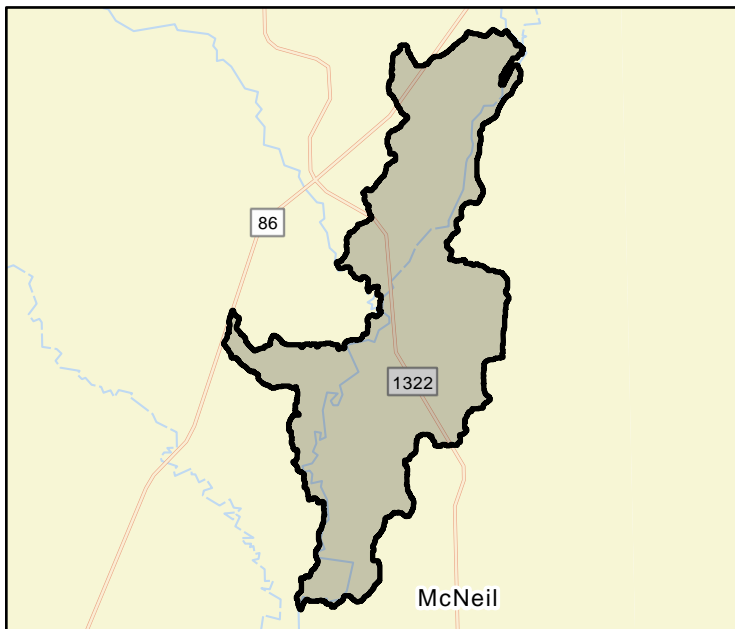
Farm/Ranch land impacted (acres) **1,256** Roadway(s) impacted (length) **2**

Number of low water crossings **1** Historical road closures **-**

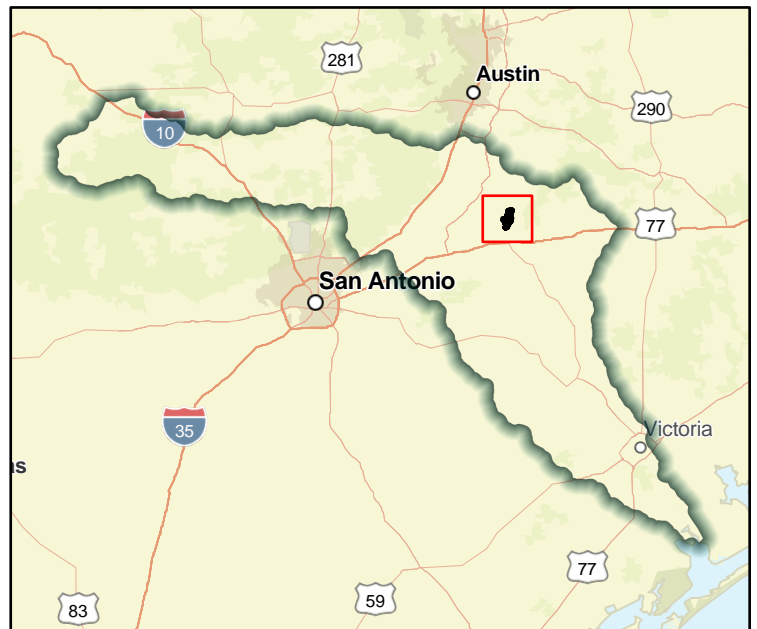
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County CR 146 @ Plum Creek**

ID# **111000154**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Evaluate bridge, low-water crossing, and roadway upgrades on CR 146 to improve level-of-service**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **10** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

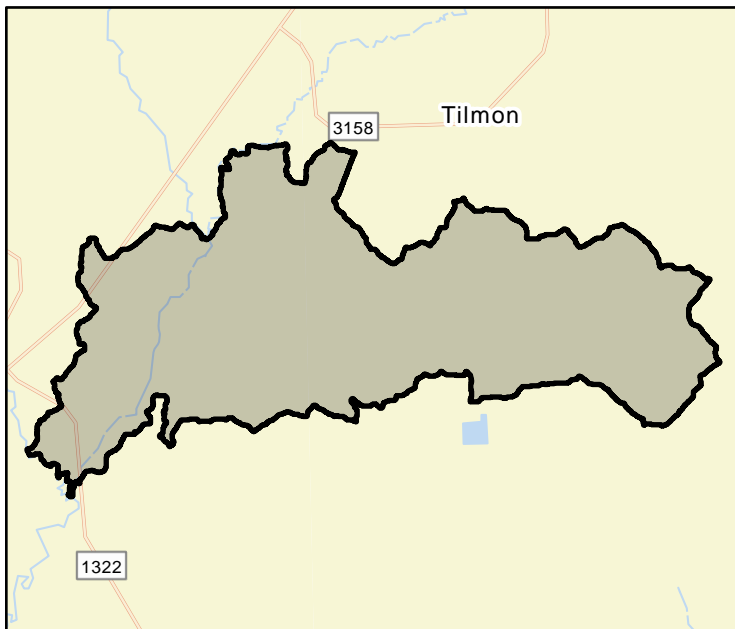
Farm/Ranch land impacted (acres) **1,265** Roadway(s) impacted (length) **2**

Number of low water crossings **1** Historical road closures **-**

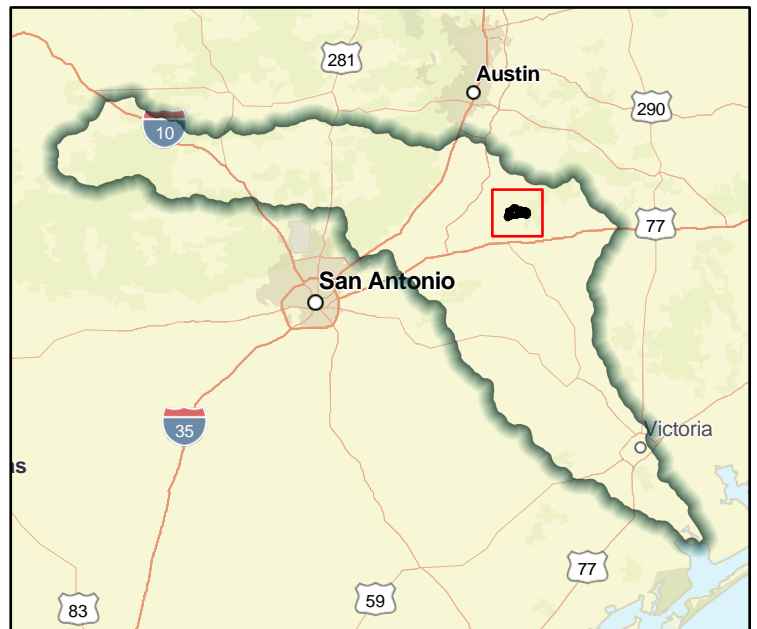
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County CR 230 @ Clear Fork Plum Creek**

ID# **111000155**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Evaluate low-water crossing and roadway upgrades on CR 230 to improve level-of-service**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell,Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **16** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **33** # of structures **14** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

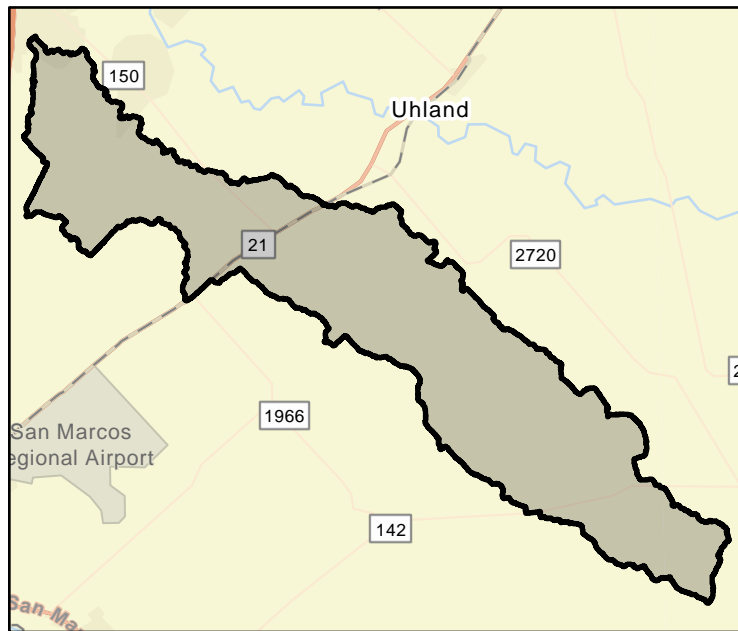
Farm/Ranch land impacted (acres) **865** Roadway(s) impacted (length) **1**

Number of low water crossings **3** Historical road closures **-**

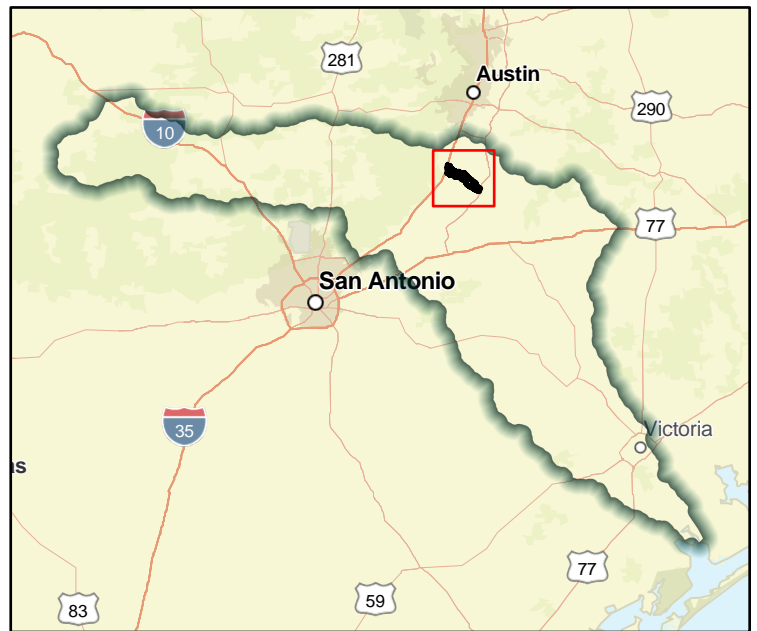
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County CR 159 @ Spanish Oak Creek**

ID# **111000156**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Assess local drainage conditions at CR 230 and evaluate low-water crossing upgrades with consideration of backwater from NRCS Site 24**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **3** Goal(s) **11000001, 11000002**

100-Year Flood Risk Summary

Population at risk **2** # of structures **2** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

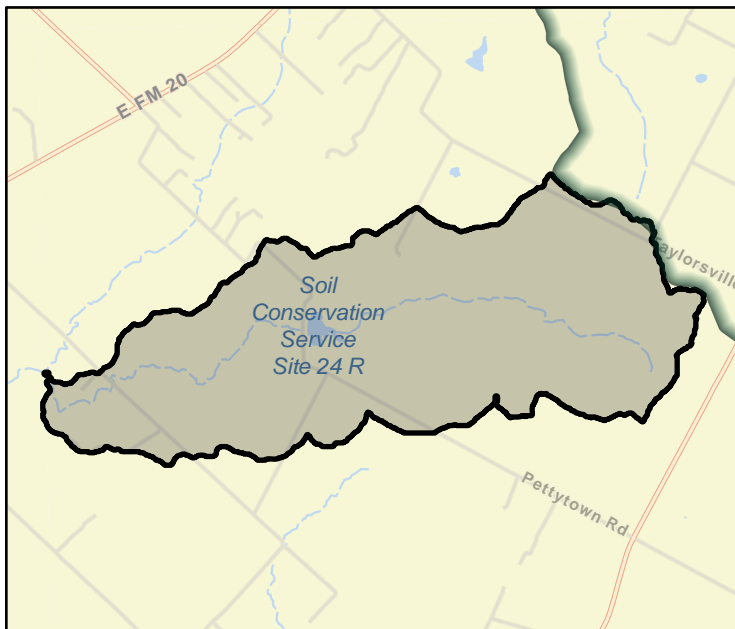
Farm/Ranch land impacted (acres) **144** Roadway(s) impacted (length) **0**

Number of low water crossings **1** Historical road closures **-**

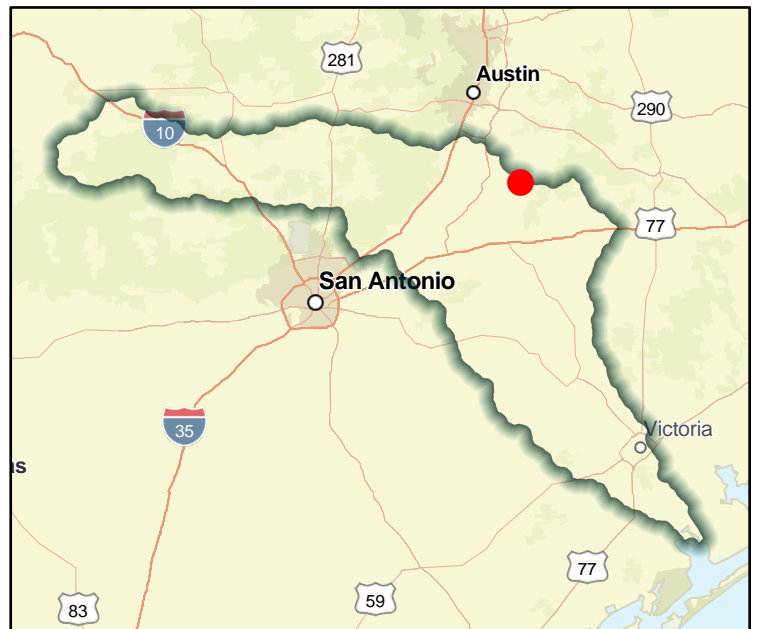
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County Cowpen Creek Near Dove Hill Drive**

ID# **111000157**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Evaluate projects to mitigate residential flooding on Cowpen Creek near Dove Hill Drive**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell,Hays,Travis** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **10** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **46** # of structures **23** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

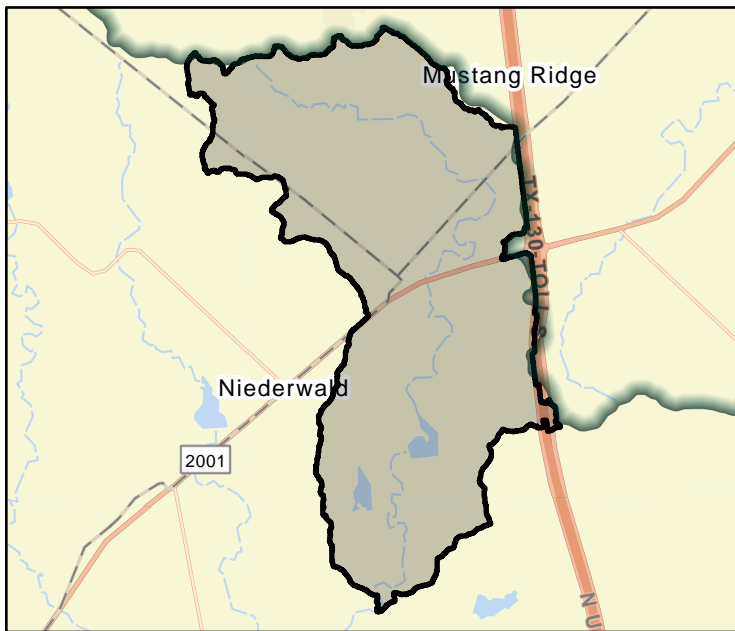
Farm/Ranch land impacted (acres) **563** Roadway(s) impacted (length) **1**

Number of low water crossings **2** Historical road closures **-**

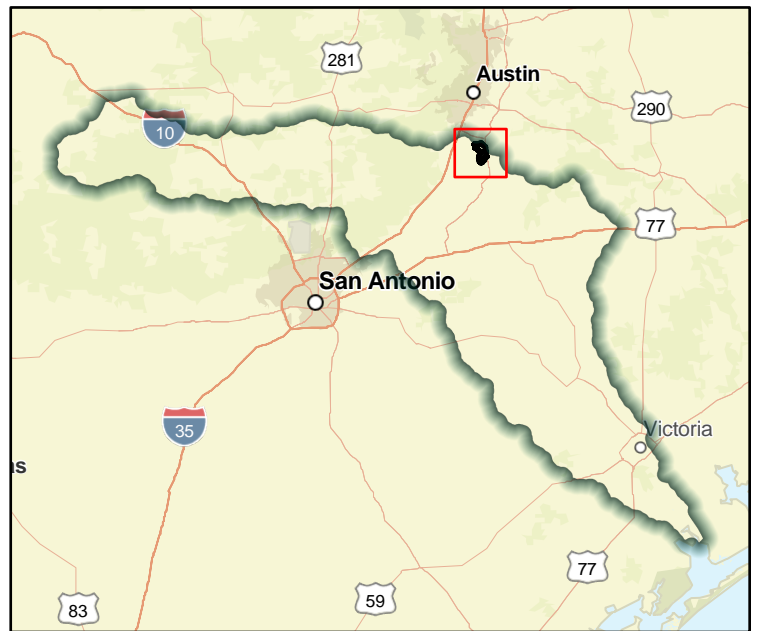
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County CR 221 and CR 233 @ Elm Creek**

ID# **111000158**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Evaluate low-water crossing and roadway upgrades at intersection of CR 221 and CR 233 to improve level-of-service**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **8** Goal(s) **11000001**

100-Year Flood Risk Summary

Population at risk **4** # of structures **2** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

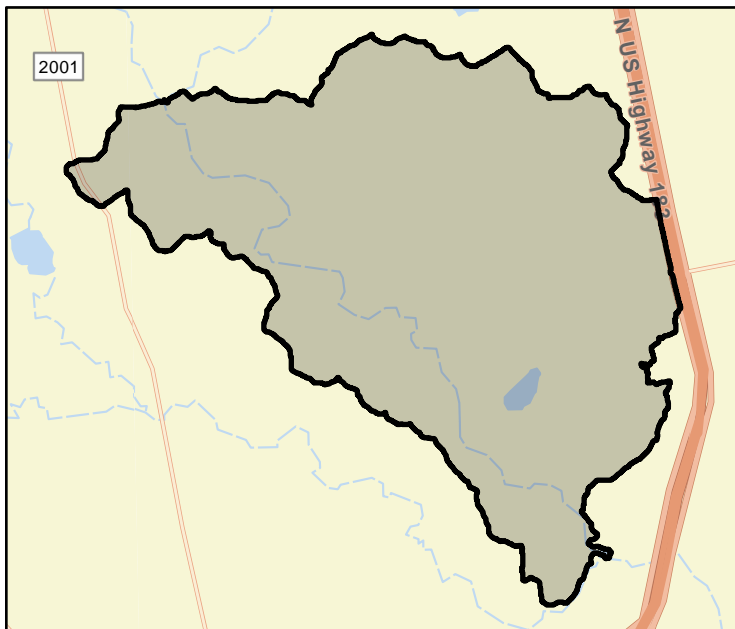
Farm/Ranch land impacted (acres) **658** Roadway(s) impacted (length) **1**

Number of low water crossings **1** Historical road closures **-**

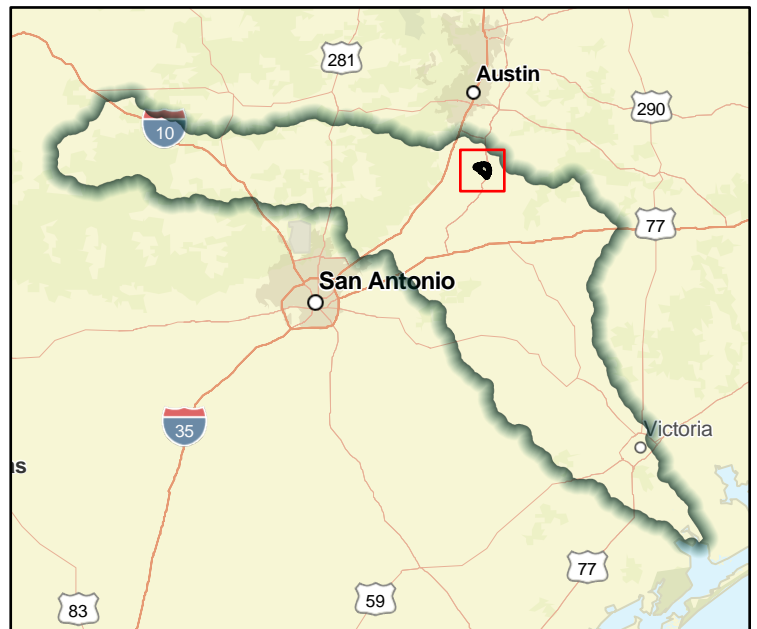
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County McMahan VFD @ Tenney Creek**

ID# **111000159**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Evaluate projects to mitigate flooding at critical facility**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **1** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **16** # of structures **11** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

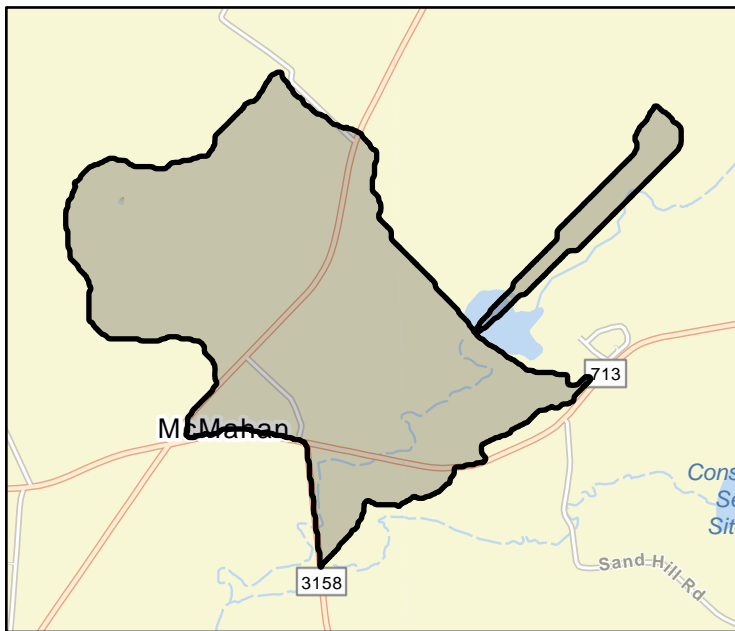
Farm/Ranch land impacted (acres) **80** Roadway(s) impacted (length) **0**

Number of low water crossings **1** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County Rolling Oaks @ Ebbon Road**

ID# **111000160**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Assess local drainage conditions on Rolling Oaks Drive and evaluate projects to address nuisance flooding**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **1** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

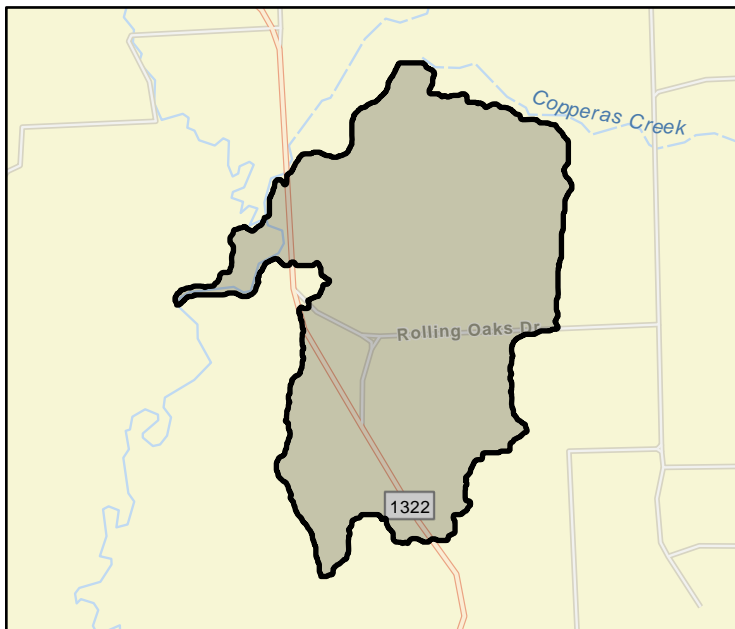
Farm/Ranch land impacted (acres) **260** Roadway(s) impacted (length) **1**

Number of low water crossings **1** Historical road closures **-**

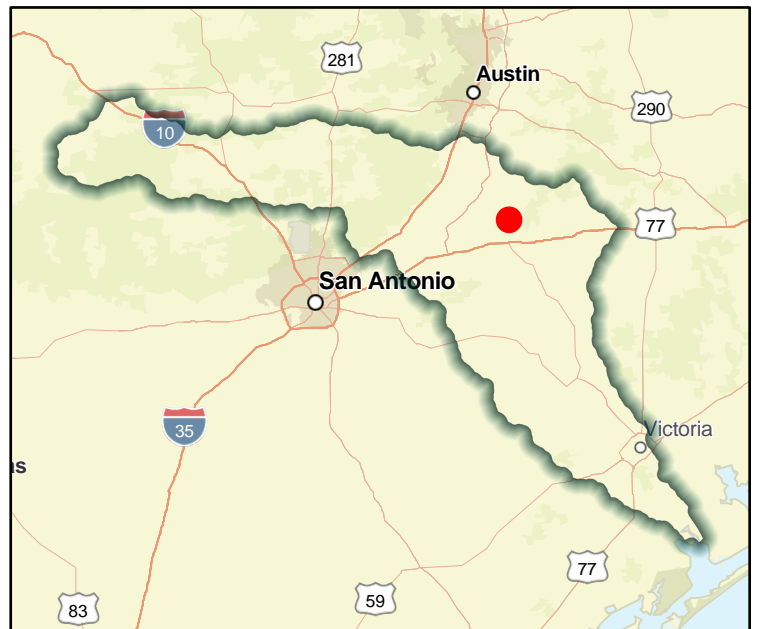
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County Hemphill Creek Between SH 142 and SH 80**

ID# **111000161**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Evaluate projects to mitigate residential flooding on Hemphill Creek with consideration of influence from San Marcos River**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe, Caldwell, Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **23** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **1,189** # of structures **410** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

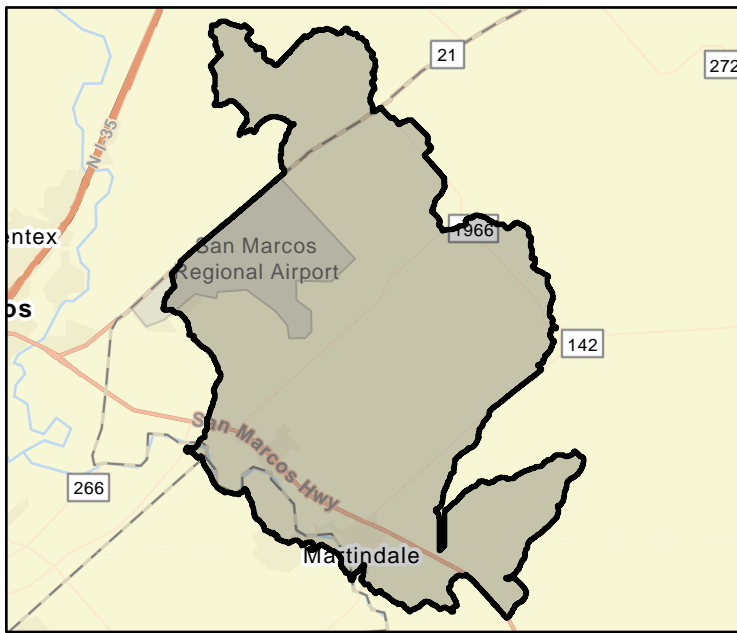
Farm/Ranch land impacted (acres) **921** Roadway(s) impacted (length) **8**

Number of low water crossings **5** Historical road closures **-**

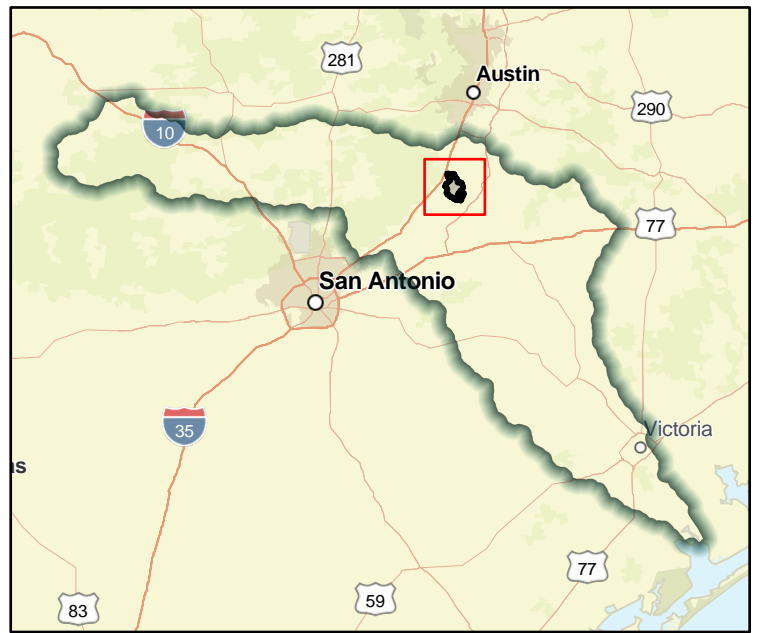
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County Dickerson Creek Near CR 111**

ID# **111000162**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Evaluate projects to mitigate residential flooding on Dickerson Creek with consideration of influence from San Marcos River**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **12** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **25** # of structures **12** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

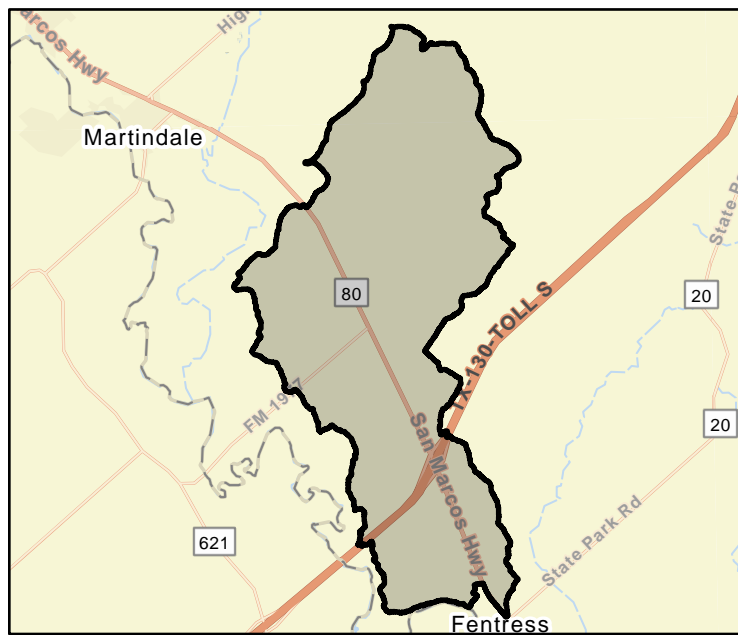
Farm/Ranch land impacted (acres) **1,394** Roadway(s) impacted (length) **4**

Number of low water crossings **0** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County CR 103 @ Morrison Creek**

ID# **111000163**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Evaluate upgrades to low water crossing on Morrison Creek with consideration of influence from San Marcos River**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **2** Goal(s) **11000001**

100-Year Flood Risk Summary

Population at risk **32** # of structures **12** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

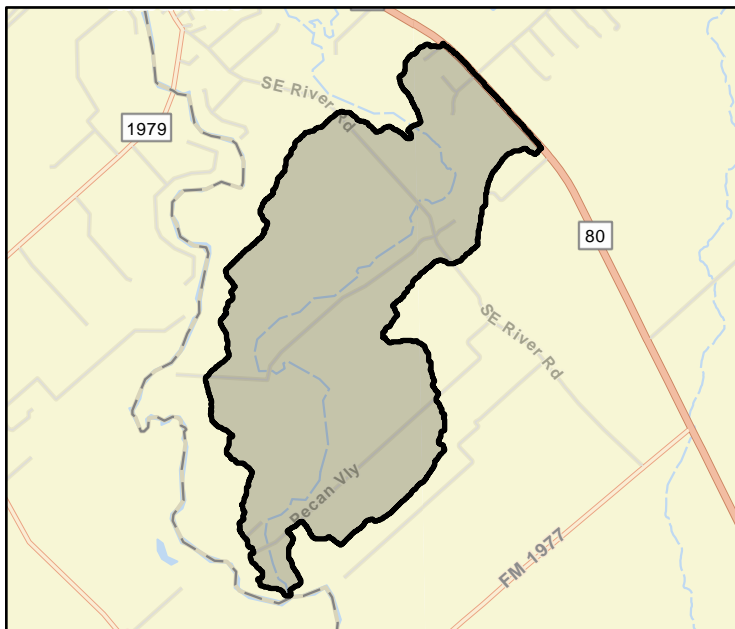
Farm/Ranch land impacted (acres) **763** Roadway(s) impacted (length) **1**

Number of low water crossings **1** Historical road closures **-**

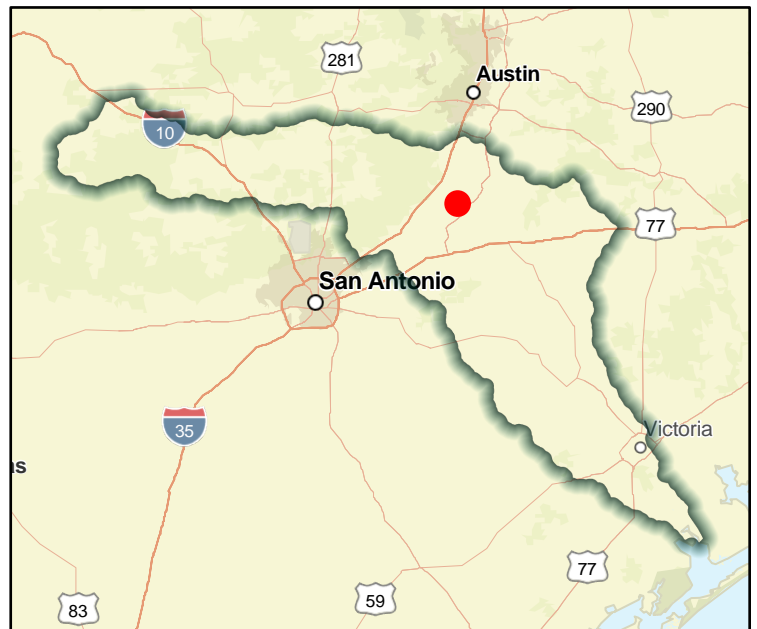
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County FEWS**

ID# **111000164**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Preparedness**

Study description **Study of Flood Early Warning System**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100202,12100203**

Drainage area (Square miles, est.) **545** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **2,190** # of structures **937** Critical facilities **7**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

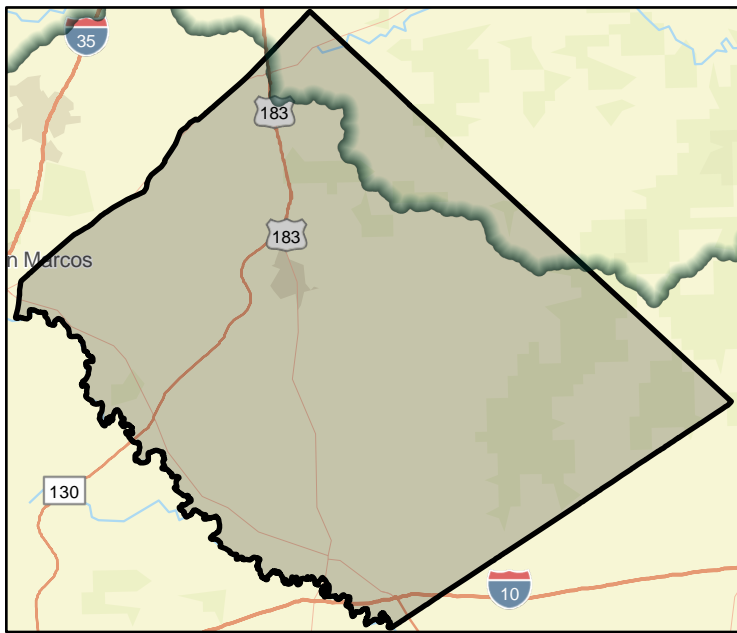
Farm/Ranch land impacted (acres) **35,719** Roadway(s) impacted (length) **71**

Number of low water crossings **40** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County CR 208 @ Plum Creek**

ID# **111000165**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Evaluate low-water crossing and roadway upgrades on CR 208 to improve level-of-service**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **12** Goal(s) **11000001**

100-Year Flood Risk Summary

Population at risk **34** # of structures **12** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

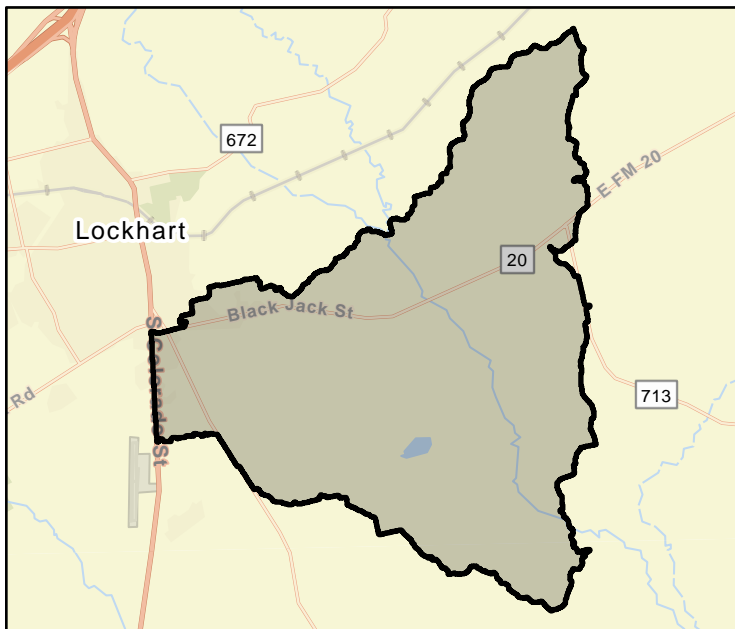
Farm/Ranch land impacted (acres) **1,219** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **-**

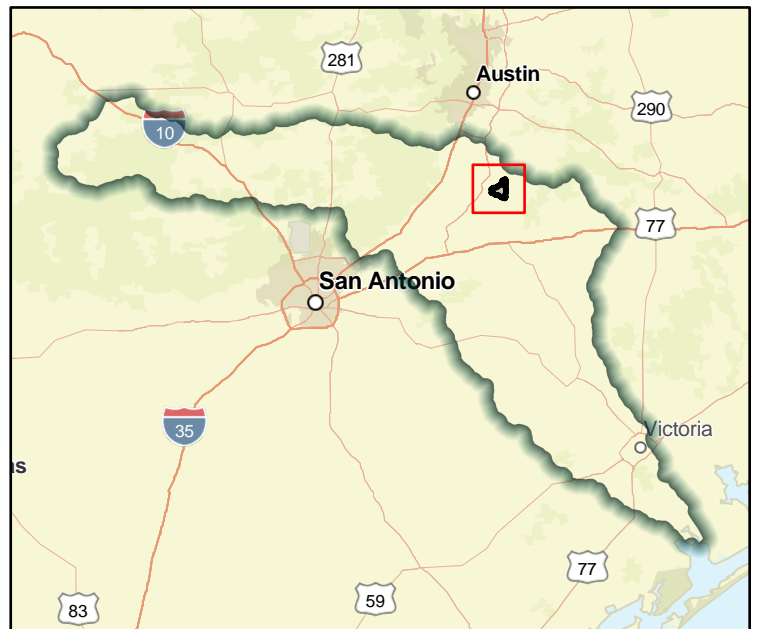
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County Mebane Creek Channel Improvements**

ID# **111000166**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Evaluate channel improvements discussed in GBRA Interim Feasibility Study Phase II to mitigate residential flooding upstream of Clear Fork St.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **13** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **156** # of structures **15** Critical facilities **3**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

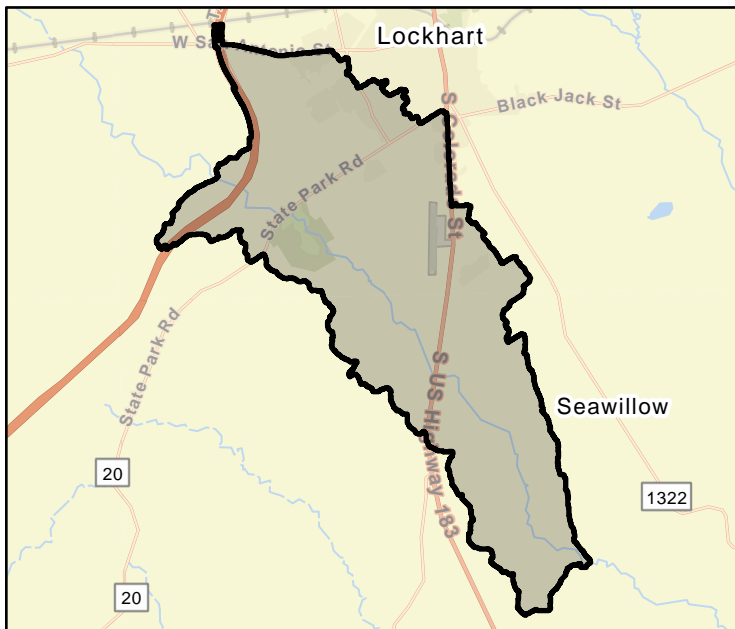
Farm/Ranch land impacted (acres) **355** Roadway(s) impacted (length) **3**

Number of low water crossings **1** Historical road closures **-**

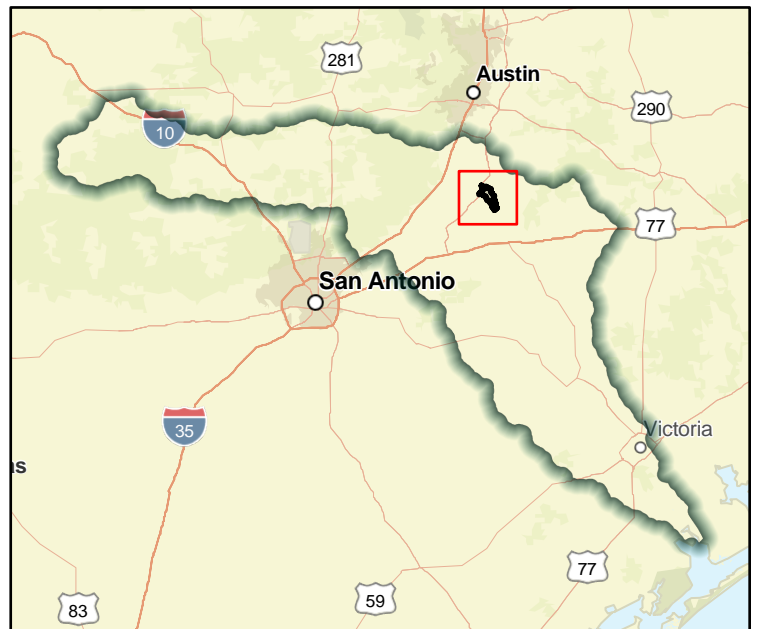
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County Mebane Creek Floodwall**

ID# **111000167**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Evaluate floodwall alternative discussed in GBRA Interim Feasibility Study Phase II to mitigate residential flooding along Blue Stem Dr.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **13** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **156** # of structures **15** Critical facilities **3**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

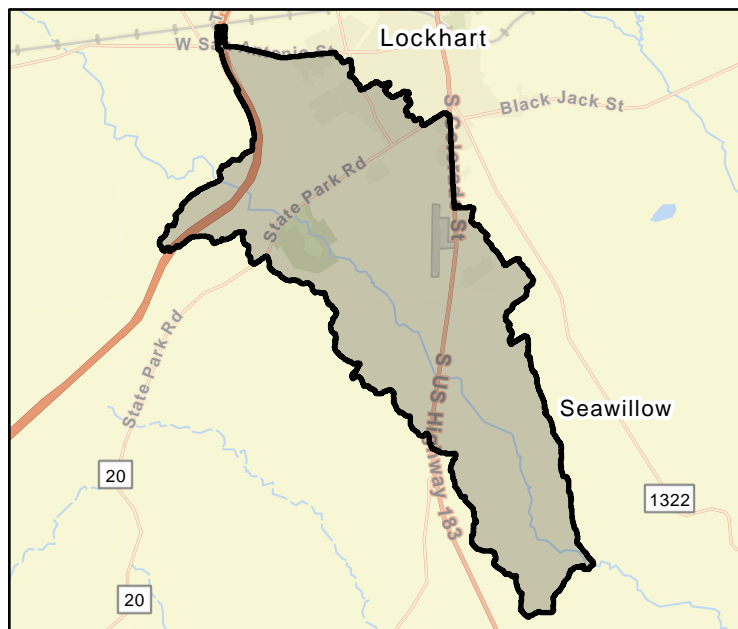
Farm/Ranch land impacted (acres) **355** Roadway(s) impacted (length) **3**

Number of low water crossings **1** Historical road closures **-**

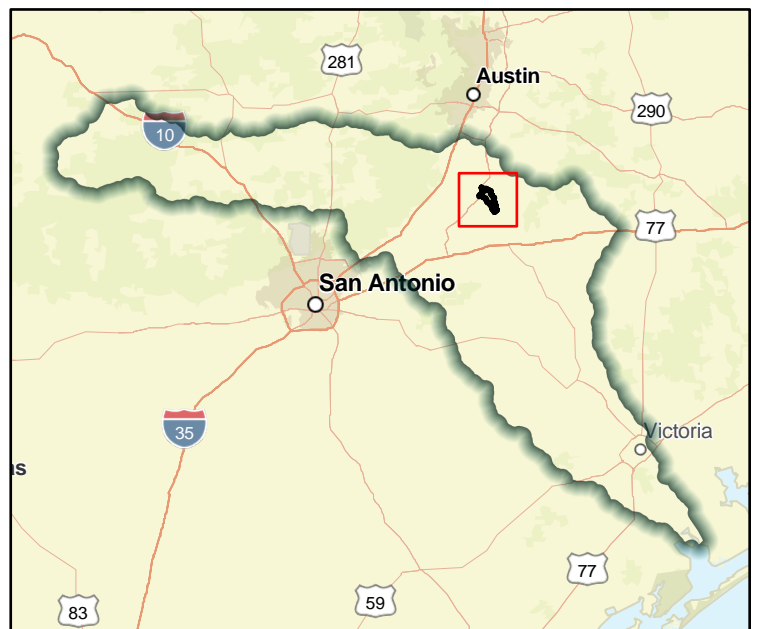
Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County Town Branch Detention**

ID# **111000168**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Evaluate regional detention basin alternative discussed in GBRA Interim Feasibility Study Phase II to mitigate structural flooding within Lockhart.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **7** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **117** # of structures **48** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

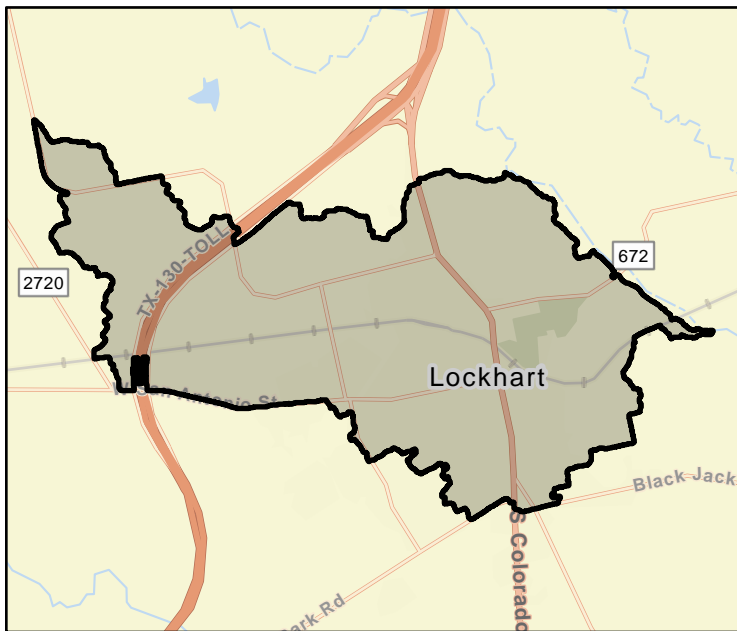
Farm/Ranch land impacted (acres) **302** Roadway(s) impacted (length) **2**

Number of low water crossings **5** Historical road closures **-**

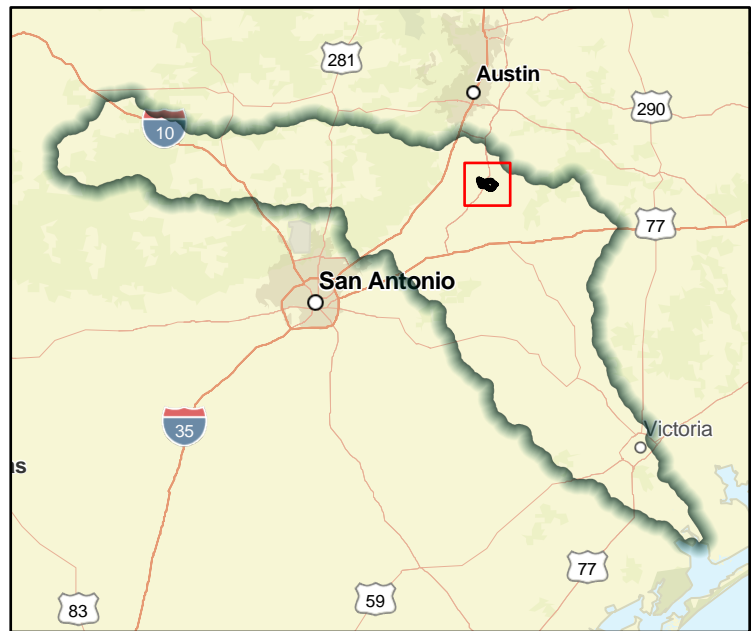
Estimated Cost and Funding Availability

Total Cost **\$60,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title City of San Marcos USACE Regional Flooding Mitigation Bypass Channel Project Planning

ID# 111000169

Sponsor (name of entity, not person) San Marcos (Municipality)

RFPG recommend? Yes Reason for Recommendation Meets minimum TWDB requirements

Study Details

Study type Project Planning

Study description Update existing study for alternatives, preliminary engineering and design of selected alternative

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? Yes

County Guadalupe, Caldwell, Hays Watershed HUC# (if known) 12100203

Drainage area (Square miles, est.) 23 Goal(s) 11000009, 11000010

100-Year Flood Risk Summary

Population at risk 6,889 # of structures 1,330 Critical facilities 3

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

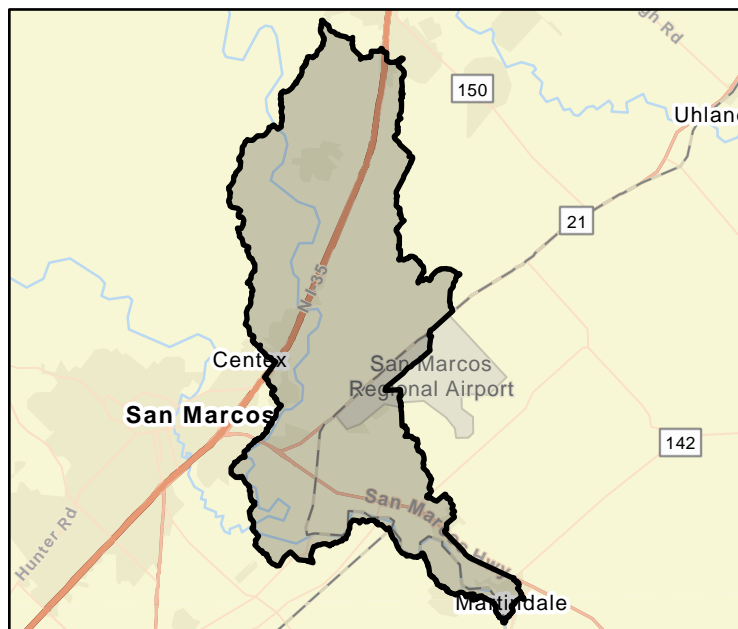
Farm/Ranch land impacted (acres) 1,112 Roadway(s) impacted (length) 30

Number of low water crossings 12 Historical road closures -

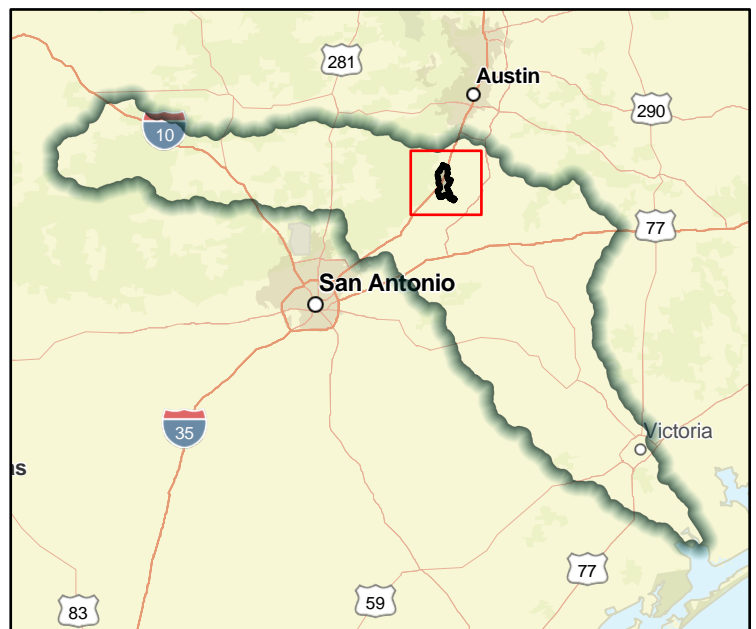
Estimated Cost and Funding Availability

Total Cost \$740,000 Amount of Available Funding TBD Federal funding availability No

Funding source -



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Guadalupe County Drainage Master Plan**

ID# **111000170**

Sponsor (name of entity, not person) **Guadalupe (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Creation of drainage master plan for Guadalupe County, possibly in multiple phases, by watershed**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe** Watershed HUC# (if known) **12100202,12100203**

Drainage area (Square miles, est.) **713** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **14,109** # of structures **5,822** Critical facilities **14**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

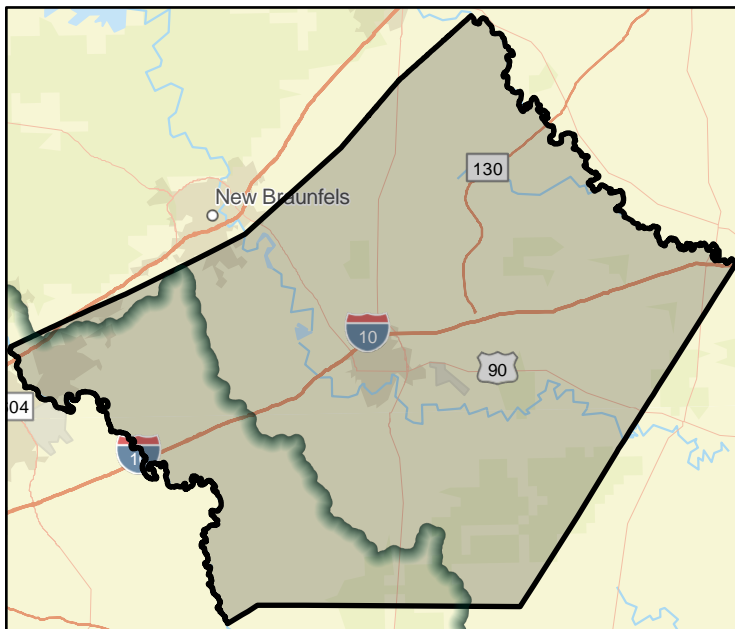
Farm/Ranch land impacted (acres) **25,477** Roadway(s) impacted (length) **117**

Number of low water crossings **130** Historical road closures **-**

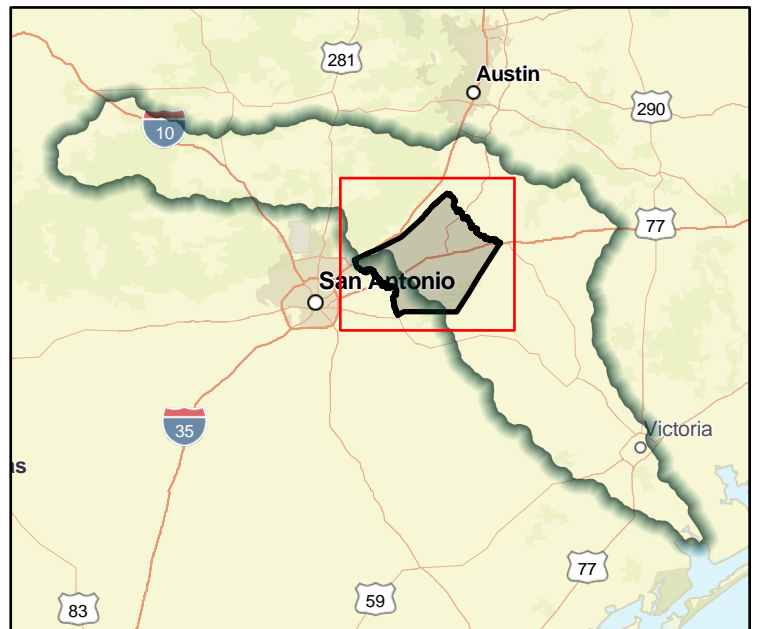
Estimated Cost and Funding Availability

Total Cost **\$2,500,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of San Marcos Drainage Master Plan**

ID# **111000171**

Sponsor (name of entity, not person) **San Marcos (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Creation of a drainage master Plan update for the City of San Marcos, including updates to regulations, policies, and criteria.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe,Caldwell,Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **36** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **12,650** # of structures **2,270** Critical facilities **14**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

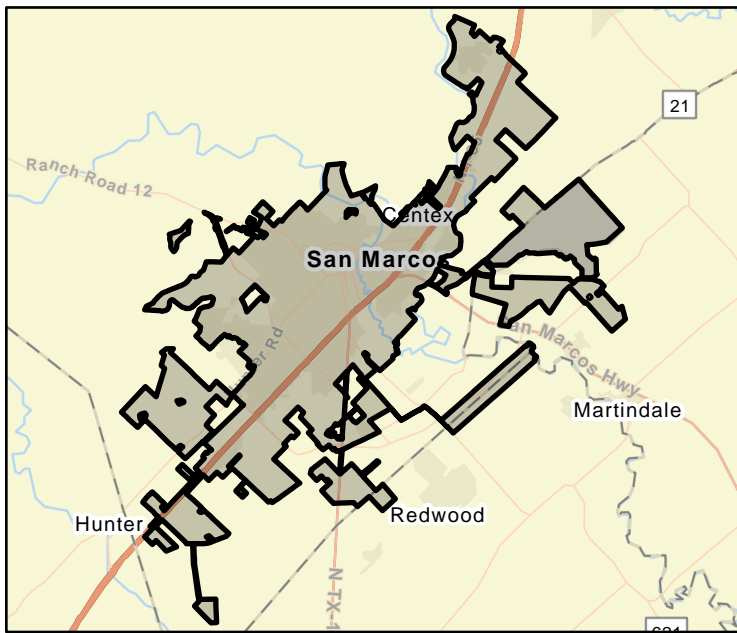
Farm/Ranch land impacted (acres) **822** Roadway(s) impacted (length) **48**

Number of low water crossings **12** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of San Marcos Atlas 14 H&H Model Updates**

ID# **111000172**

Sponsor (name of entity, not person) **San Marcos (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Development of new City-Wide (and ETJ) H&H models, using Atlas 14 rainfall data and possible evaluation of flood reduction alternatives.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe, Caldwell, Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **36** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **12,650** # of structures **2,270** Critical facilities **14**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

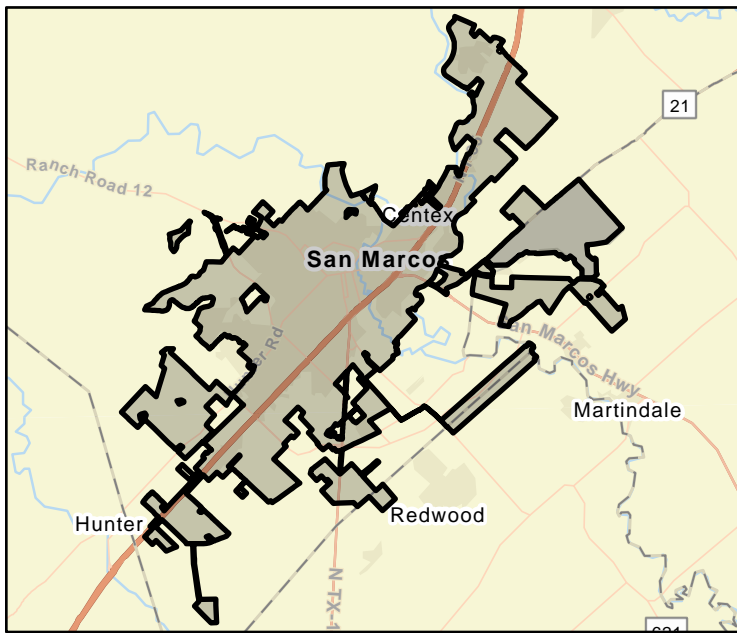
Farm/Ranch land impacted (acres) **822** Roadway(s) impacted (length) **48**

Number of low water crossings **12** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$1,500,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Kendall County Drainage Master Plan**

ID# **111000173**

Sponsor (name of entity, not person) **Kendall (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Creation of drainage master plan for Kendall County**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kendall** Watershed HUC# (if known) **12100201,12100203**

Drainage area (Square miles, est.) **661** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **1,964** # of structures **1,374** Critical facilities **3**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

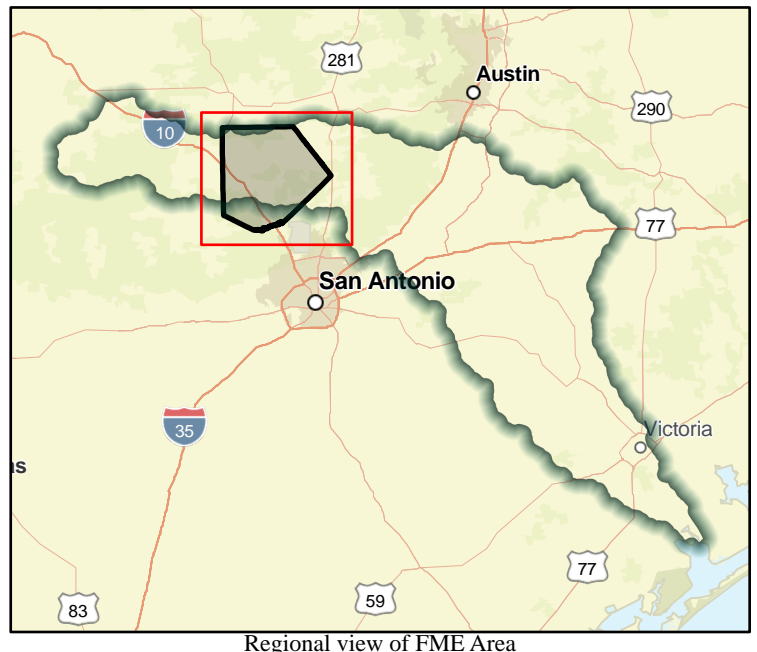
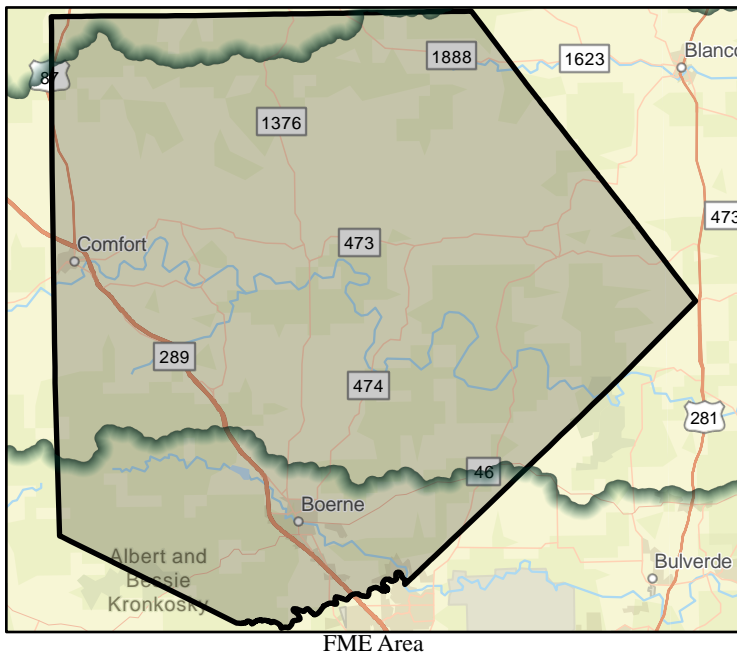
Farm/Ranch land impacted (acres) **24,198** Roadway(s) impacted (length) **44**

Number of low water crossings **28** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



Flood Management Evaluation (FME)



Title **City of San Marcos Gauges for Phase 2 of city-wide FEWS**

ID# **111000174**

Sponsor (name of entity, not person) **San Marcos (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Project planning for installation of 14 additional stream/rain gauges and development of a real time flood warning system throughout the City.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe, Caldwell, Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **36** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **12,650** # of structures **2,270** Critical facilities **14**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

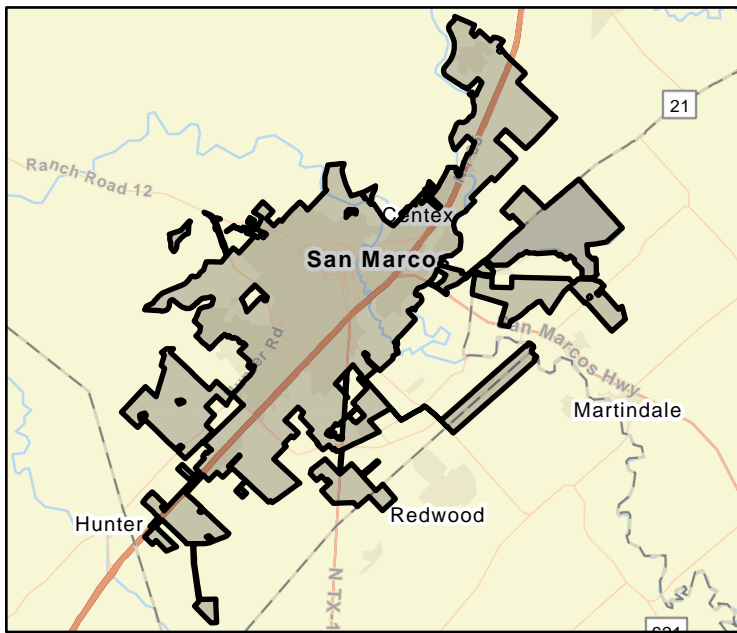
Farm/Ranch land impacted (acres) **822** Roadway(s) impacted (length) **48**

Number of low water crossings **12** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$2,000,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Comal County Drainage Master Plan**

ID# **111000175**

Sponsor (name of entity, not person) **Comal (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Creation of drainage master plan for Comal County, possibly in multiple phases, by watershed**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Comal** Watershed HUC# (if known) **12100201,12100202,12100203**

Drainage area (Square miles, est.) **573** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **9,129** # of structures **3,677** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

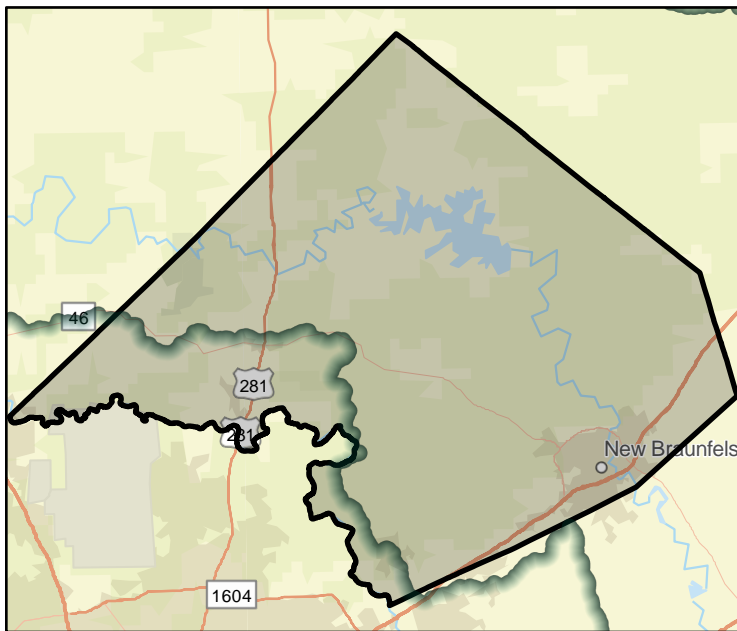
Farm/Ranch land impacted (acres) **9,463** Roadway(s) impacted (length) **93**

Number of low water crossings **77** Historical road closures **-**

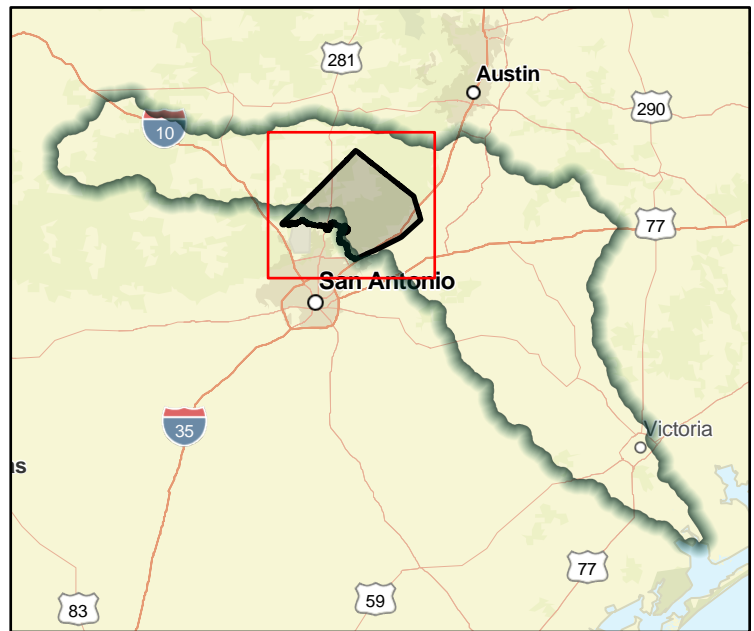
Estimated Cost and Funding Availability

Total Cost **\$3,000,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Goliad County Drainage Master Plan**

ID# **111000176**

Sponsor (name of entity, not person) **Goliad (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Creation of drainage master plan for Goliad County, possibly in multiple phases, by watershed**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Goliad** Watershed HUC# (if known) **12100204**

Drainage area (Square miles, est.) **858** Goal(s) **11000009, 11000010**

100-Year Flood Risk Summary

Population at risk **296** # of structures **166** Critical facilities **3**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

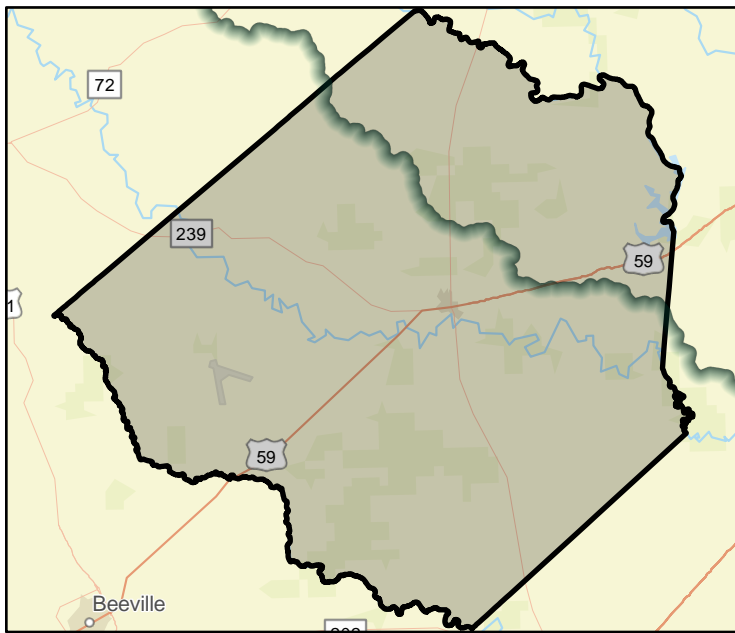
Farm/Ranch land impacted (acres) **13,211** Roadway(s) impacted (length) **12**

Number of low water crossings **3** Historical road closures **-**

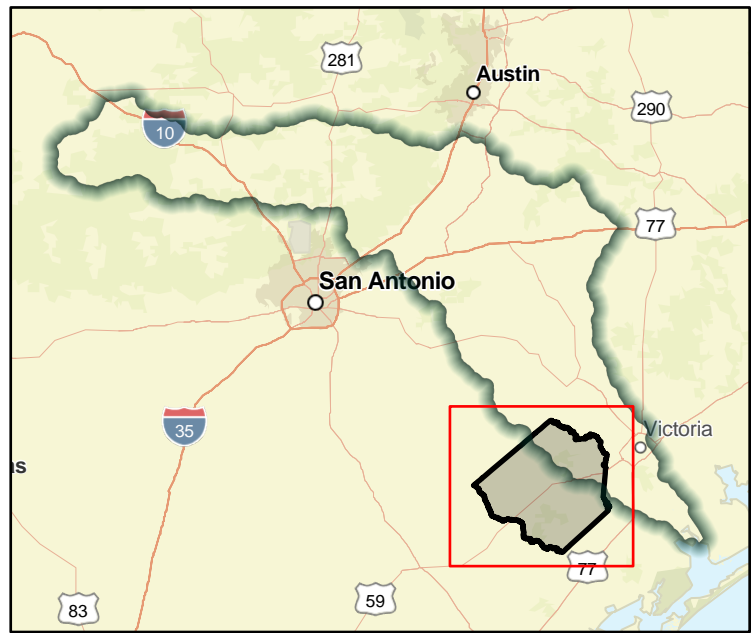
Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of San Marcos Upper San Marcos Site 4 & 5 Dam Evaluations**

ID# **111000177**

Sponsor (name of entity, not person) **San Marcos (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **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.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe, Caldwell, Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **36** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **12,650** # of structures **2,270** Critical facilities **14**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

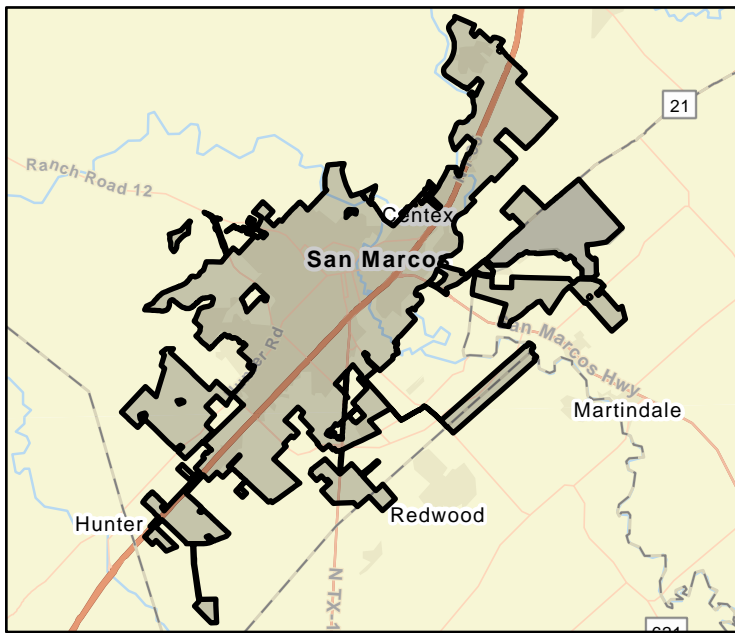
Farm/Ranch land impacted (acres) **822** Roadway(s) impacted (length) **48**

Number of low water crossings **12** Historical road closures **-**

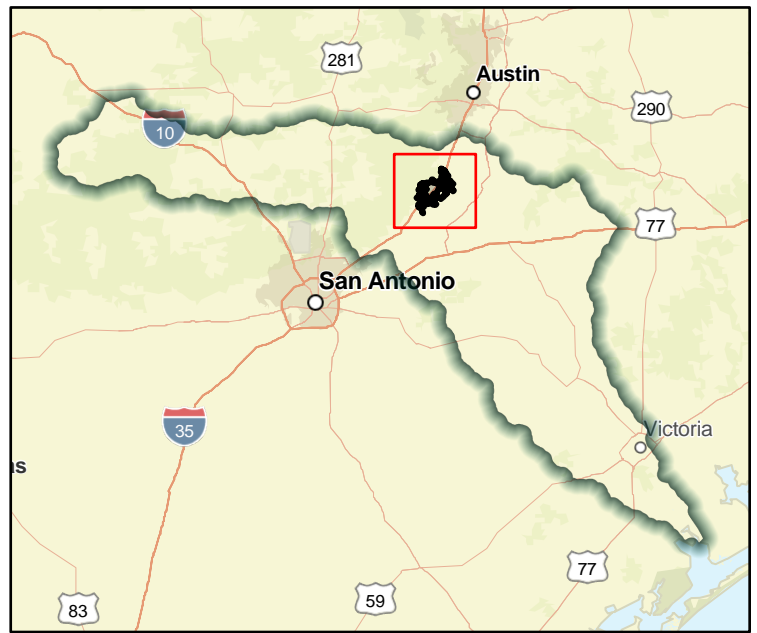
Estimated Cost and Funding Availability

Total Cost **\$300,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **City of Seguin Drainage Master Plan**

ID# **111000178**

Sponsor (name of entity, not person) **Seguin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **Update of drainage master plan for City of Seguin**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Guadalupe** Watershed HUC# (if known) **12100202**

Drainage area (Square miles, est.) **38** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **2,283** # of structures **846** Critical facilities **5**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **No** Other? **No**

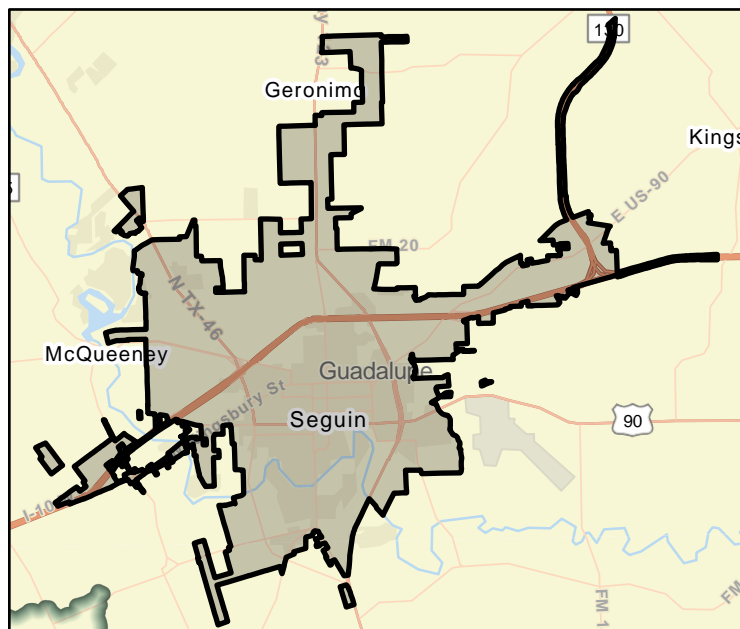
Farm/Ranch land impacted (acres) **1,157** Roadway(s) impacted (length) **25**

Number of low water crossings **8** Historical road closures **-**

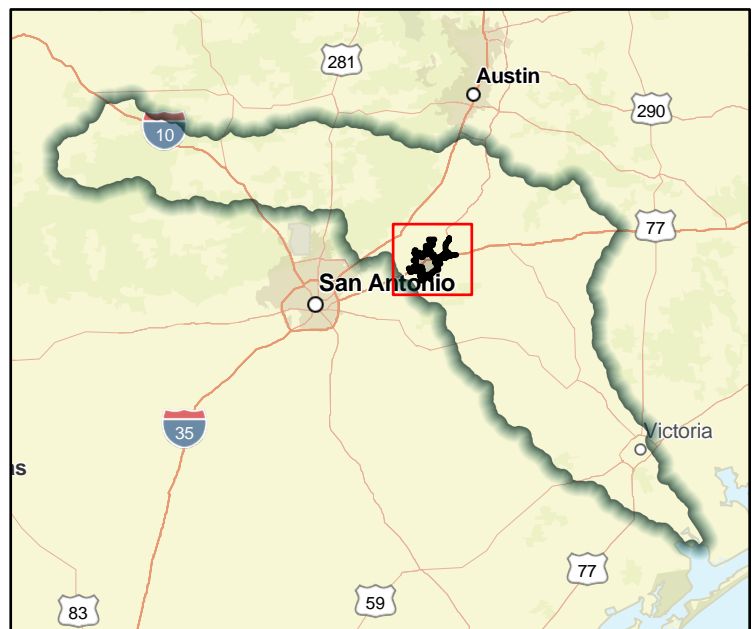
Estimated Cost and Funding Availability

Total Cost **\$450,000** Amount of Available Funding **TBD** Federal funding availability **No**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Kerr County Drainage Master Plan**

ID# **111000179**

Sponsor (name of entity, not person) **Kerr (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **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**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Kerr** Watershed HUC# (if known) **12100201**

Drainage area (Square miles, est.) **771** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **7,416** # of structures **3,831** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

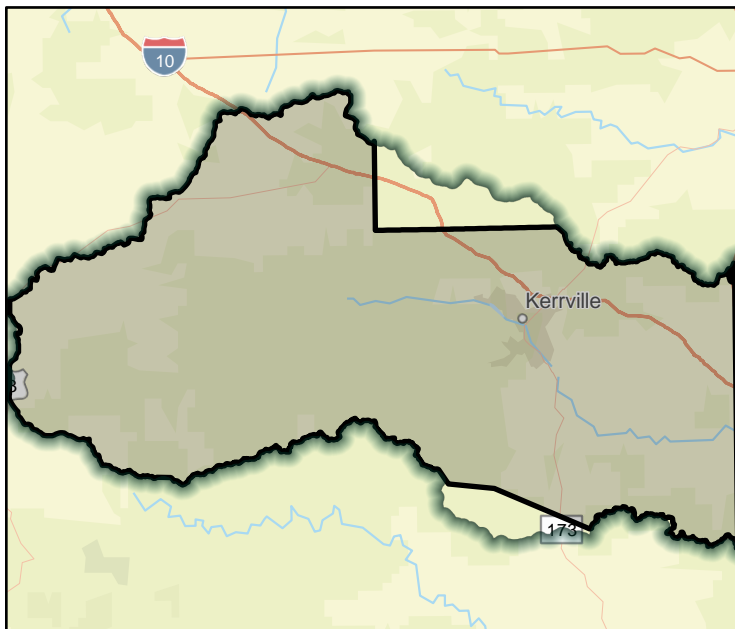
Farm/Ranch land impacted (acres) **28,074** Roadway(s) impacted (length) **124**

Number of low water crossings **158** Historical road closures **-**

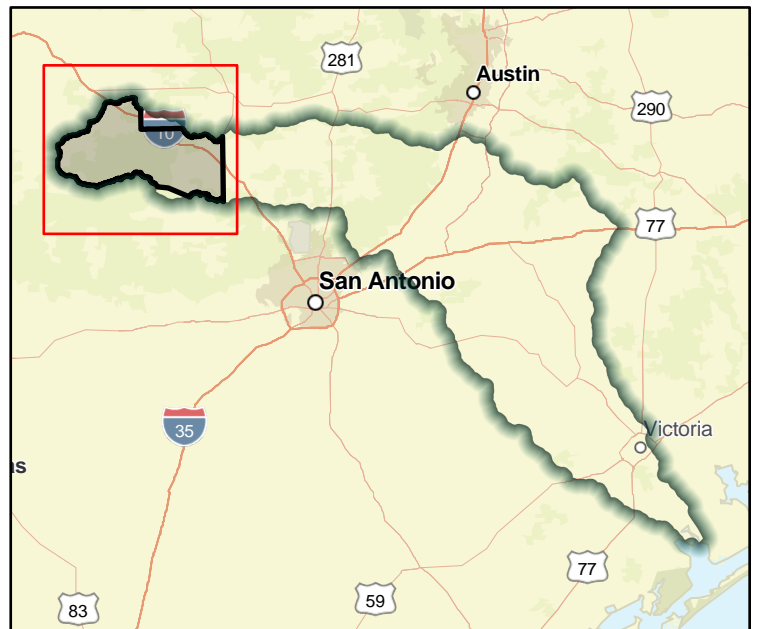
Estimated Cost and Funding Availability

Total Cost **\$3,000,000** Amount of Available Funding **TBD** Federal funding availability **TBD**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Hays County Drainage Master Plan**

ID# **111000180**

Sponsor (name of entity, not person) **Hays (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Watershed Planning**

Study description **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**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Hays** Watershed HUC# (if known) **12100203**

Drainage area (Square miles, est.) **373** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **17,647** # of structures **4,329** Critical facilities **15**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

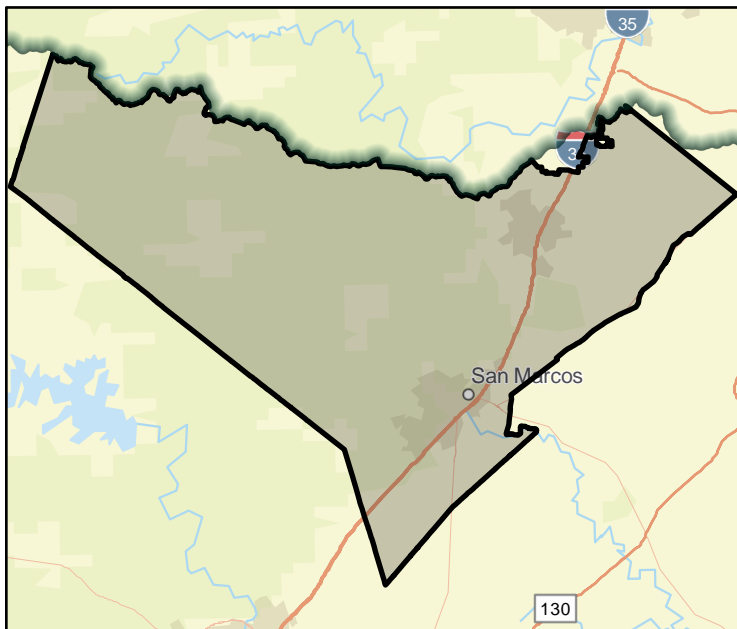
Farm/Ranch land impacted (acres) **10,528** Roadway(s) impacted (length) **98**

Number of low water crossings **117** Historical road closures **-**

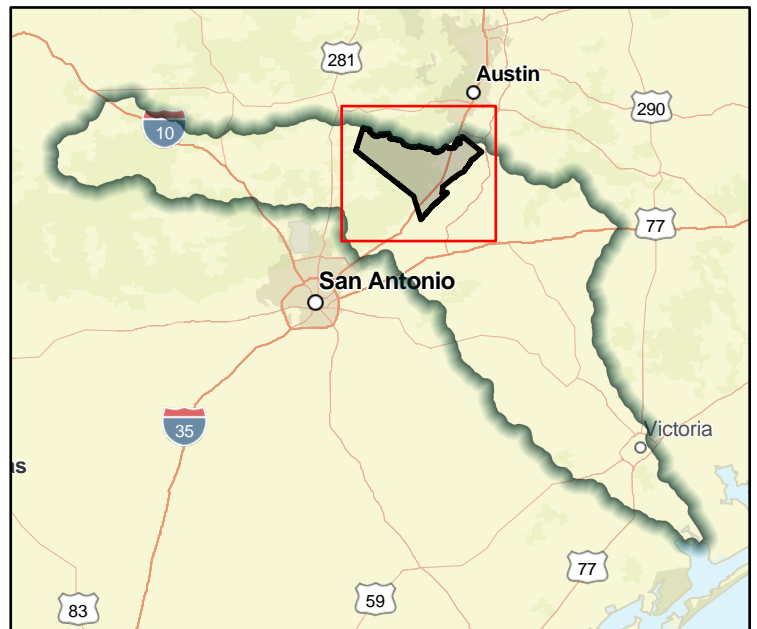
Estimated Cost and Funding Availability

Total Cost **\$1,500,000** Amount of Available Funding **TBD** Federal funding availability **TBD**

Funding source **-**



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)



Title **Caldwell County Assessment of Property Buyout Alternatives**

ID# **111000181**

Sponsor (name of entity, not person) **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Study Details

Study type **Project Planning**

Study description **Evaluate buyout alternatives for flood problem areas identified within Caldwell County**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Caldwell** Watershed HUC# (if known) **12100202,12100203**

Drainage area (Square miles, est.) **545** Goal(s) **11000009**

100-Year Flood Risk Summary

Population at risk **2,190** # of structures **937** Critical facilities **7**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

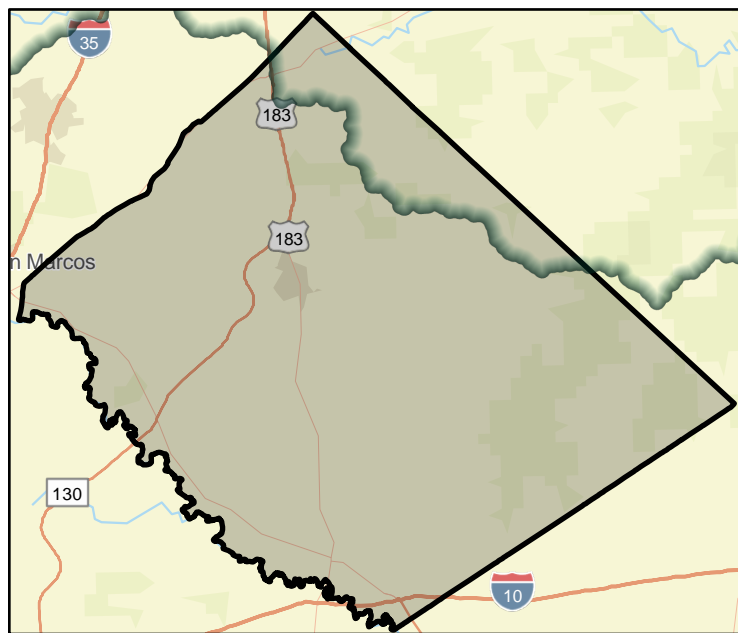
Farm/Ranch land impacted (acres) **35,719** Roadway(s) impacted (length) **71**

Number of low water crossings **40** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$40,000** Amount of Available Funding **TBD** Federal funding availability **TBD**

Funding source **-**



FME Area



Regional view of FME Area

FMS One Pagers

Flood Management Strategy (FMS)



Title **Education and Outreach**

ID# **112000186** Sponsor **Guadalupe Regional Flood Planning Group**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Strategy Details

Strategy type **Education and Outreach**

Strategy description **Activities not limited to implementing/improving flood education and awareness programs for residents, elected officials, and real estate agents/developers; and flood insurance campaigns to reduce flood risk and increase NFIP participation.**

County **Lavaca, Gonzales, Guadalupe, Bandera, Comal, Real, Caldwell, Kendall, Fayette, Kerr, Hays, Bastrop, Gillespie, Blanco, Travis, Refugio, Calhoun, Goliad, Victoria, Karnes, De Witt, Wilson** Associated FMP's **-**
 Associated FME's **-**
 Associated FMS's **-**

Watershed HUC# (if known) **12100201,12100202,12100203,12100204,12100303,12100403** Drainage area (mi², est.) **6,010**

Existing 100-Year Flood Risk

Population at risk **62,638** # of structures **27,069** Critical facilities **127**

Flood risk type: Riverine? **Yes** Coastal? **Yes** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **360,251** Roadway(s) impacted (miles) **935**

Number of low water crossings **661** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **-** # of structures removed from 100-yr **-**

Critical facilities removed from 100-yr **-** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **-** Low water crossings removed from 100-yr **-**

Other benefits **Flood risk reduction, increased participation in the NFIP** Reduction in # of road closures over 10 years **-**

Impacts

Negative impacts? **No** Negative impacts description **N/A**

Water supply contributions? **No** Water supply contribution description **N/A**

Estimated Cost

Strategy Cost **\$978,000** Amount of available funding **-** % Nature-Based **-**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Property Acquisitions and Structural Elevation**

ID# **112000187** Sponsor **Guadalupe Regional Flood Planning Group**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Strategy Details

Strategy type **Property Acquisition and Structural Elevation**

Strategy description **Develop and implement a voluntary buyout or structural elevation assistance programs to eliminate repetitive loss structures and implementing programs to purchase/preserve open space to protect riparian corridors.**

County **Lavaca, Gonzales, Guadalupe, Bandera, Comal, Real, Caldwell, Kendall, Fayette, Kerr, Hays, Bastrop, Gillespie, Blanco, Travis, Refugio, Calhoun, Goliad, Victoria, Karnes, De Witt, Wilson** Associated FMP's **-**
 Associated FME's **-**
 Associated FMS's **-**

Watershed HUC# (if known) **12100201,12100202,12100203,12100204,12100303,12100403** Drainage area (mi², est.) **6,010**

Existing 100-Year Flood Risk

Population at risk **62,638** # of structures **27,069** Critical facilities **127**

Flood risk type: Riverine? **Yes** Coastal? **Yes** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **360,251** Roadway(s) impacted (miles) **935**

Number of low water crossings **661** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **-** # of structures removed from 100-yr **-**

Critical facilities removed from 100-yr **-** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **-** Low water crossings removed from 100-yr **-**

Other benefits **Flood risk reduction and nature based solutions** Reduction in # of road closures over 10 years **-**

Impacts

Negative impacts? **No** Negative impacts description **N/A**

Water supply contributions? **No** Water supply contribution description **N/A**

Estimated Cost

Strategy Cost **\$1,250,000** Amount of available funding **-** % Nature-Based **-**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Regulatory and Guidance**

ID# **112000188** Sponsor **Guadalupe Regional Flood Planning Group**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Regularly review and update floodplain ordinances, land use/zoning, development criteria, and enforcement. Develop and implement higher standards, green infrastructure program, and use best available data (eg. BLE) to manage floodplains**

County **Lavaca, Gonzales, Guadalupe, Bandera, Comal, Real, Caldwell, Kendall, Fayette, Kerr, Hays, Bastrop, Gillespie, Blanco, Travis, Refugio, Calhoun, Goliad, Victoria, Karnes, De Witt, Wilson** Associated FMP's **-**
 Associated FME's **-**
 Associated FMS's **-**

Watershed HUC# (if known) **12100201,12100202,12100203,12100204,12100303,12100403** Drainage area (mi², est.) **6,010**

Existing 100-Year Flood Risk

Population at risk **62,638** # of structures **27,069** Critical facilities **127**

Flood risk type: Riverine? **Yes** Coastal? **Yes** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **360,251** Roadway(s) impacted (miles) **935**

Number of low water crossings **661** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **-** # of structures removed from 100-yr **-**

Critical facilities removed from 100-yr **-** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **-** Low water crossings removed from 100-yr **-**

Other benefits **Flood risk reduction and nature based solutions** Reduction in # of road closures over 10 years **-**

Impacts

Negative impacts? **No** Negative impacts description **N/A**

Water supply contributions? **No** Water supply contribution description **N/A**

Estimated Cost

Strategy Cost **\$93,000** Amount of available funding **-** % Nature-Based **-**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Flood Measurement and Warning**

ID# **112000189** Sponsor **Guadalupe Regional Flood Planning Group**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Develop or implement programs to increase flood warning including reverse 911 systems; evacuation/emergency management plans and personnel training; NOAA all-hazards radios, and programs to increase safety at low water crossings (signs, flashers, gages)**

County **Lavaca, Gonzales, Guadalupe, Bandera, Comal, Real, Caldwell, Kendall, Fayette, Kerr, Hays, Bastrop, Gillespie, Blanco, Travis, Refugio, Calhoun, Goliad, Victoria, Karnes, De Witt, Wilson** Associated FMP's **-**
 Associated FME's **-**
 Associated FMS's **-**

Watershed HUC# (if known) **12100201,12100202,12100203,12100204,12100303,12100403** Drainage area (mi², est.) **6,010**

Existing 100-Year Flood Risk

Population at risk **62,638** # of structures **27,069** Critical facilities **127**

Flood risk type: Riverine? **Yes** Coastal? **Yes** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **360,251** Roadway(s) impacted (miles) **935**

Number of low water crossings **661** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **-** # of structures removed from 100-yr **-**

Critical facilities removed from 100-yr **-** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **-** Low water crossings removed from 100-yr **-**

Other benefits **Public safety** Reduction in # of road closures over 10 years **-**

Impacts

Negative impacts? **No** Negative impacts description **N/A**

Water supply contributions? **No** Water supply contribution description **N/A**

Estimated Cost

Strategy Cost **\$9,541,000** Amount of available funding **-** % Nature-Based **-**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Infrastructure Projects**

ID# **112000190** Sponsor **Guadalupe Regional Flood Planning Group**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Strategy Details

Strategy type	Infrastructure Projects		
Strategy description	Develop programs to preserve system functionality (storm drains, culverts, bridges); enhance riparian corridors & preserve floodplain capacity; and infrastructure improvements programs that identify and prioritize flood risk reduction projects		
County	Lavaca, Gonzales, Guadalupe, Bandera, Comal, Real, Caldwell, Kendall, Fayette, Kerr, Hays, Bastrop, Gillespie, Blanco, Travis, Refugio, Calhoun, Goliad, Victoria, Karnes, De Witt, Wilson	Associated FMP's	-
		Associated FME's	-
		Associated FMS's	-
Watershed HUC# (if known)	12100201,12100202,12100203,12100204,12100303,12100403	Drainage area (mi ² , est.)	6,010

Existing 100-Year Flood Risk

Population at risk	62,638	# of structures	27,069	Critical facilities	127
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	360,251	Roadway(s) impacted (miles)	935		
Number of low water crossings	661	Historical road closures	-		

100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Flood Risk Reduction and Public safety	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	N/A
Water supply contributions?	No	Water supply contribution description	N/A

Estimated Cost

Strategy Cost	\$21,611,000	Amount of available funding	-	% Nature-Based	-
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FMS area



Regional view of FMS area

FMP One Pagers

Flood Mitigation Project (FMP)



Title **Blanco County Detention on the Blanco River**

ID# **113000001** Sponsor **Blanco (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **6.34**

Associated FME's **-** County **Blanco, Hays**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **1,044** # of structures **508** Critical facilities: **0**

Farm/Ranch land impacted (acres) **978.3** Roadway(s) impacted (length) **8.3**

Number of low water crossings **10** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **375** # of structures removed from 100-yr **131**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **0**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

Impacts

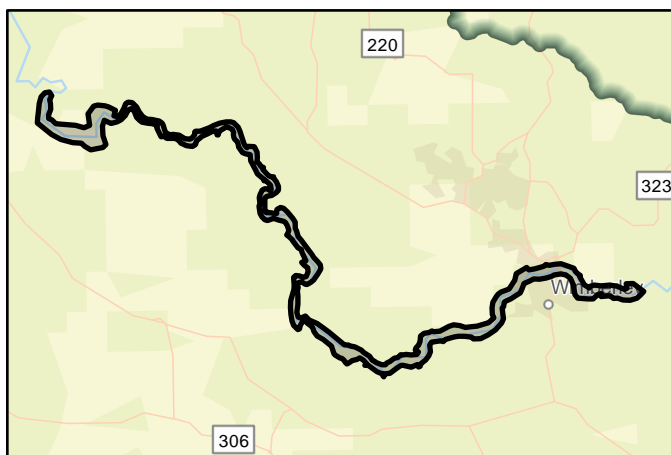
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **Yes** Water supply contribution description **.26 acre-feet/day. Average rates sourced from a TWDB 2002 Research**

Estimated Cost

Project Cost **\$18,010,000** % Nature-Based **1** BCR **0.7**

Recurring costs **90000** Issues **Project depends on land acquisition**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Kyle Plum Creek Tributary 3 Arbor Knot Dr. Improvement**

ID# **113000006** Sponsor **Kyle (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.02**

Associated FME's **-** County **Hays**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **4** # of structures **2** Critical facilities: **0**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **1** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **0** # of structures removed from 100-yr **0**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **0**

Road removed from 100-yr (miles) **1** Low water crossings removed from 100-yr **0**

Other benefits **Potentially less road closings** Reduction in # of road closures over 10 years **1**

Impacts

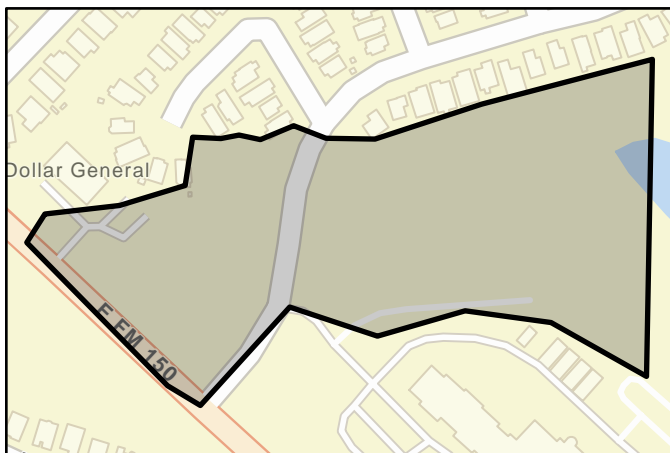
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$557,000** % Nature-Based **1** BCR **0.1**

Recurring costs **3000** Issues **None**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Project Description

The proposed culvert improvement resulted in eight (7ft x 4ft) box culverts, needed to clear the roadway and to alleviate additional backwater flooding.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk # of structures Critical facilities:

Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

100-Year Flood Risk Reduction

Population removed from 100-yr # of structures removed from 100-yr

Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles) Low water crossings removed from 100-yr

Other benefits Reduction in # of road closures over 10 years

Impacts

Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Kyle 65ft Channel Modification and Additional Culvert**

ID# **113000010** Sponsor **Kyle (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.19**

Associated FME's **-** County **Hays**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **165** # of structures **39** Critical facilities: **0**

Farm/Ranch land impacted (acres) **2.3** Roadway(s) impacted (length) **0.8**

Number of low water crossings **1** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **16** # of structures removed from 100-yr **4**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **0**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **Alleviate ponding, improve conveyance** Reduction in # of road closures over 10 years **0**

Impacts

Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$589,000** % Nature-Based **28** BCR **1.7**

Recurring costs **3000** Issues **Possible wetland restrictions, utility relocation, SWPPP implementation**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Kyle Plum Creek Detention Pond Upstream of IH35**

ID# **113000011** Sponsor **Kyle (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.33**

Associated FME's **-** County **Hays**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **207** # of structures **49** Critical facilities: **0**

Farm/Ranch land impacted (acres) **8.3** Roadway(s) impacted (length) **1.1**

Number of low water crossings **2** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **2** # of structures removed from 100-yr **1**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **0**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

Impacts

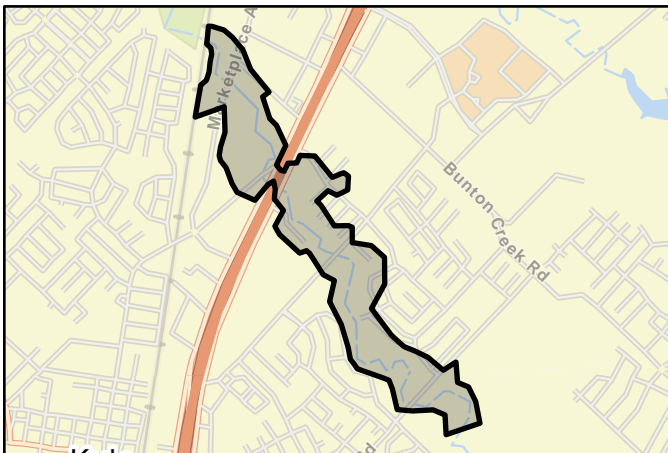
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$864,000** % Nature-Based **11** BCR **1.5**

Recurring costs **4000** Issues **SWPPP implementation, utility relocation, geotechnical analysis**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Project Description

Enhancing stream flow gage network by increasing number of gages throughout community by at least six

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk # of structures Critical facilities:

Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

100-Year Flood Risk Reduction

Population removed from 100-yr # of structures removed from 100-yr

Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles) Low water crossings removed from 100-yr

Other benefits Reduction in # of road closures over 10 years

Impacts

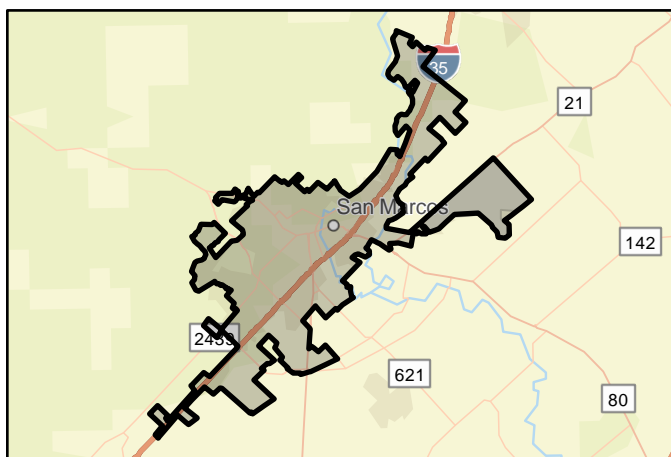
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of San Marcos Purgatory Creek Channel Improvement**

ID# **113000026** Sponsor **San Marcos (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

The objectives consist of channel improvements along Purgatory Creek to mitigate flooding and integrate projects from the City of San Marcos master plans.

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.2**

Associated FME's **-** County **Hays**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **319** # of structures **73** Critical facilities: **0**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **1.4**

Number of low water crossings **1** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **56** # of structures removed from 100-yr **27**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **0**

Road removed from 100-yr (miles) **1** Low water crossings removed from 100-yr **1**

Other benefits **Added natural features** Reduction in # of road closures over 10 years **0**

Impacts

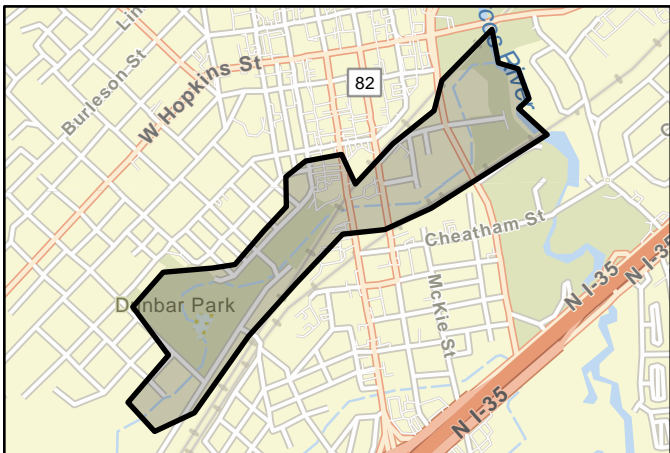
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$22,391,000** % Nature-Based **2** BCR **0.1**

Recurring costs **112000** Issues **Utility Relocation, Underground telecom, permitting**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of San Marcos Sherwood/Kingwood Drainage Improvements**

ID# **113000027** Sponsor **San Marcos (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.06**

Associated FME's **-** County **Hays**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **55** # of structures **17** Critical facilities: **0**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0.3**

Number of low water crossings **0** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **32** # of structures removed from 100-yr **1**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **0**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

Impacts

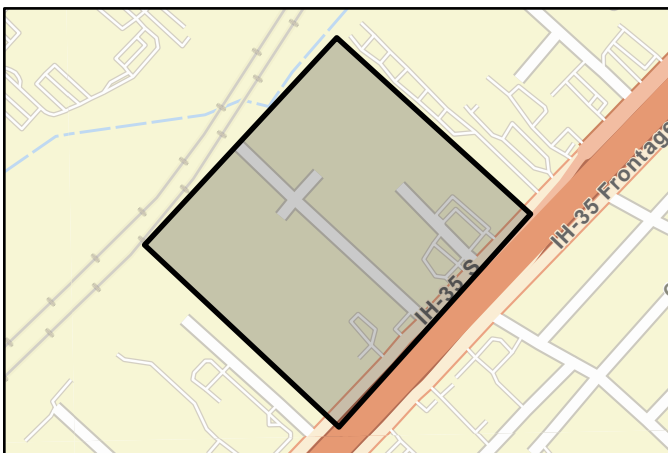
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$5,644,000** % Nature-Based **2** BCR **0.8**

Recurring costs **3000** Issues **None**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Project Description

Place automatic flood gates with vehicle detection on inside of flooded area to allow for egress.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk # of structures Critical facilities:

Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

100-Year Flood Risk Reduction

Population removed from 100-yr # of structures removed from 100-yr

Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles) Low water crossings removed from 100-yr

Other benefits Reduction in # of road closures over 10 years

Impacts

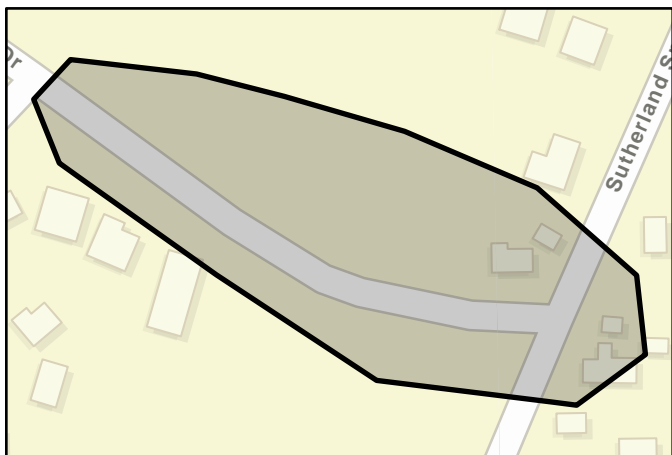
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Waelder Baldrige Creek Regional Detention Pond**

ID# **113000036** Sponsor **Waelder (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known) **12100202** Emergency Need? **No**

Drainage area (mi² est.) **0.97**

Associated FME's **-** County **Gonzales**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **172** # of structures **132** Critical facilities: **0**

Farm/Ranch land impacted (acres) **128.2** Roadway(s) impacted (length) **2.5**

Number of low water crossings **5** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **72** # of structures removed from 100-yr **48**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **0**

Road removed from 100-yr (miles) **1** Low water crossings removed from 100-yr **3**

Other benefits **None** Reduction in # of road closures over 10 years **0**

Impacts

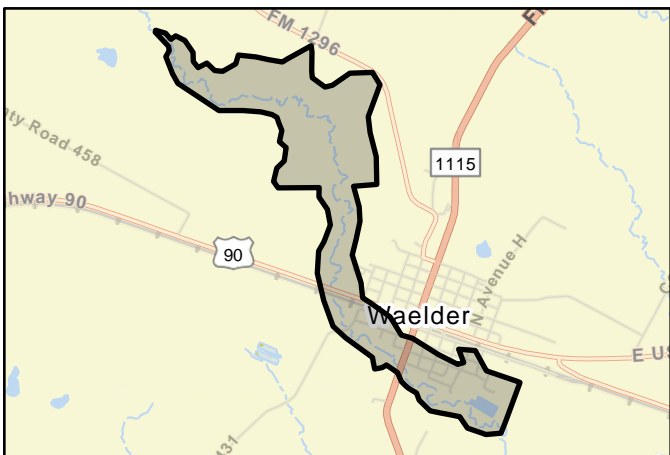
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$2,573,000** % Nature-Based **6** BCR **1.2**

Recurring costs **14000** Issues **SWPPP, utility relocation**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Waelder Baldrige Creek Channel and Culvert Improvement and Detention Pond**

ID# **113000037** Sponsor **Waelder (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known)	12100202	Emergency Need?	No
Associated FME's	-	Drainage area (mi ² est.)	0.29
Associated FMS's	-	County	Gonzales
		Associated FMP's	-

Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Population at risk	169	# of structures	122	Critical facilities:	0
Farm/Ranch land impacted (acres)	6.7	Roadway(s) impacted (length)	2.2		
Number of low water crossings	4	Historical road closures	-		

100-Year Flood Risk Reduction

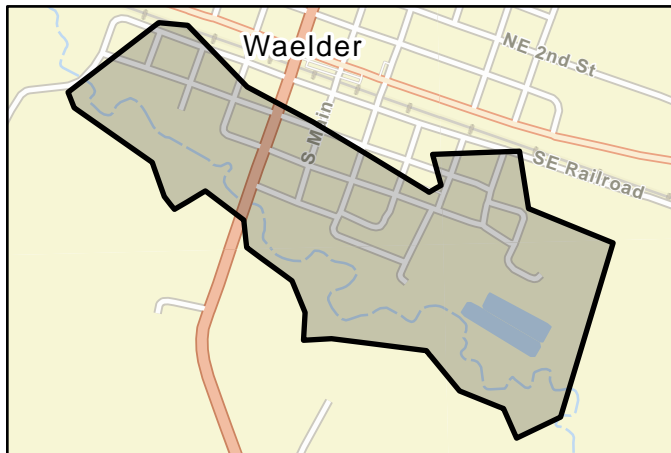
Population removed from 100-yr	131	# of structures removed from 100-yr	87
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	1	Low water crossings removed from 100-yr	4
Other benefits	None	Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Project Cost	\$3,928,000	% Nature-Based	5	BCR	0.8
Recurring costs	20000	Issues	permitting, jurisdictional waters, SWPPP implementation, utility relocation,		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Project Description

A proposed updated culvert geometry consists of 11 box culverts (10ft-12ft) and a raised finished deck elevation (3ft rise).

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk # of structures Critical facilities:

Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

100-Year Flood Risk Reduction

Population removed from 100-yr # of structures removed from 100-yr

Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles) Low water crossings removed from 100-yr

Other benefits Reduction in # of road closures over 10 years

Impacts

Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Woodcreek Regional Detention South of Mountain Crest Drive**

ID# **113000040** Sponsor **Woodcreek (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.17**

Associated FME's **-** County **Hays**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **64** # of structures **33** Critical facilities: **0**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0.6**

Number of low water crossings **0** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **17** # of structures removed from 100-yr **8**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **0**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **Reduce severity and frequency of flooding along Hog** Reduction in # of road closures over 10 years **0**

Impacts

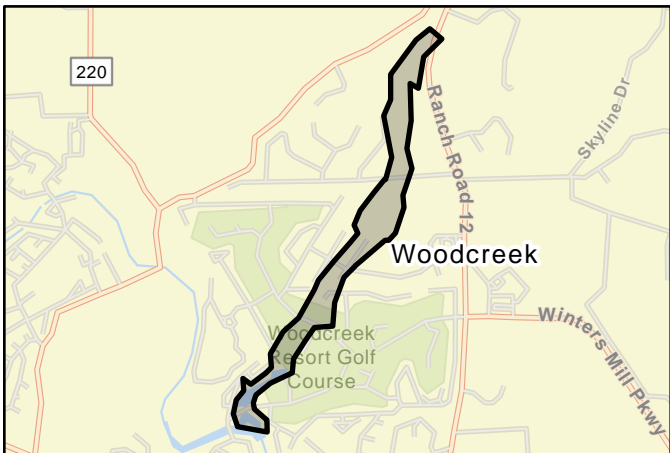
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$964,000** % Nature-Based **13** BCR **1**

Recurring costs **5000** Issues **None**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Project Description

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.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk # of structures Critical facilities:

Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

100-Year Flood Risk Reduction

Population removed from 100-yr # of structures removed from 100-yr

Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles) Low water crossings removed from 100-yr

Other benefits Reduction in # of road closures over 10 years

Impacts

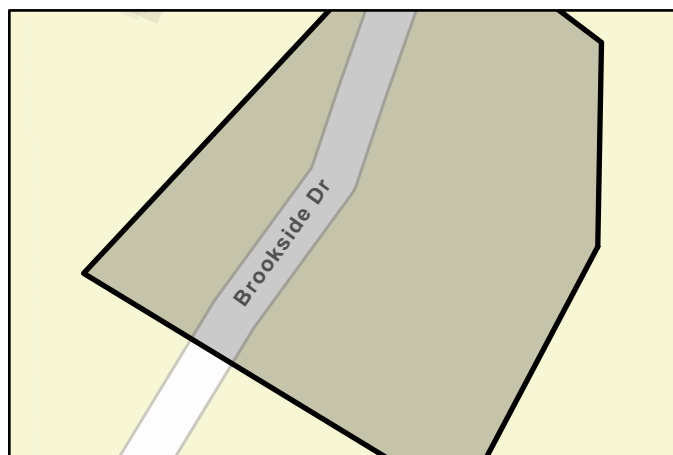
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Project Description

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

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk # of structures Critical facilities:

Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

100-Year Flood Risk Reduction

Population removed from 100-yr # of structures removed from 100-yr

Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles) Low water crossings removed from 100-yr

Other benefits Reduction in # of road closures over 10 years

Impacts

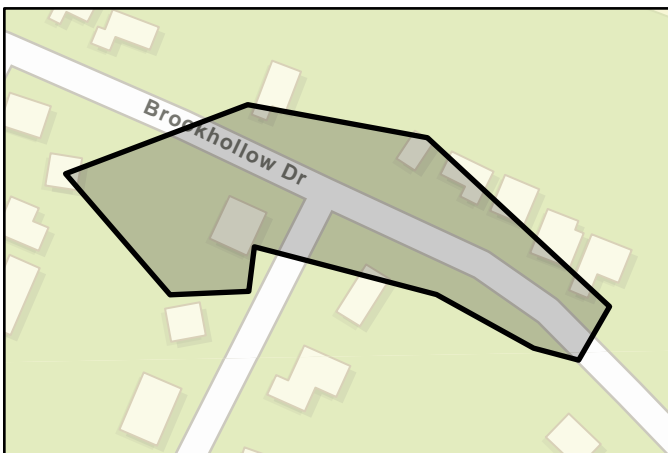
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Comal County Regional Detention on Bear Creek**

ID# **113000044** Sponsor **Comal (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known)	12100202	Emergency Need?	No
Associated FME's	-	Drainage area (mi ² est.)	393.04
Associated FMS's	-	County	Comal
		Associated FMP's	-

Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? Yes	Local? No	Playa? No	Other? No
Population at risk	20,781	# of structures	9,789	Critical facilities:	84
Farm/Ranch land impacted (acres)	80,411.7	Roadway(s) impacted (length)	250.1		
Number of low water crossings	19	Historical road closures	-		

100-Year Flood Risk Reduction

Population removed from 100-yr	456	# of structures removed from 100-yr	159	
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0	
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0	
Other benefits	Would also benefit city of New Braunfels and Seguin		Reduction in # of road closures over 10 years	0

Impacts

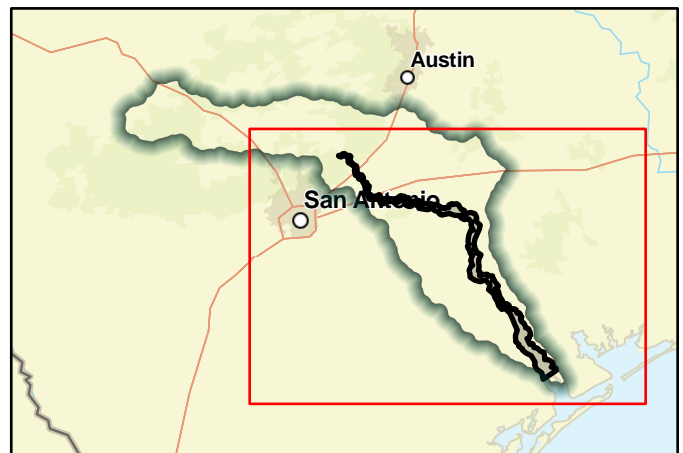
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	Yes	Water supply contribution description	.15 acre-feet/day. Average rates sourced from a TWDB 2002 Research

Estimated Cost

Project Cost	\$9,179,000	% Nature-Based	1	BCR	2.6
Recurring costs	46000	Issues	None		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Gonzales County Regional Detention on Peach Creek**

ID# **113000047** Sponsor **Gonzales (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known)	12100202	Emergency Need?	No
Associated FME's	-	Drainage area (mi ² est.)	312.51
Associated FMS's	-	County	Gonzales
		Associated FMP's	-

Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? Yes	Local? No	Playa? No	Other? No
Population at risk	6,140	# of structures	3,965	Critical facilities:	71
Farm/Ranch land impacted (acres)	65,348.5	Roadway(s) impacted (length)	157.3		
Number of low water crossings	12	Historical road closures	-		

100-Year Flood Risk Reduction

Population removed from 100-yr	34	# of structures removed from 100-yr	12
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years	0

Impacts

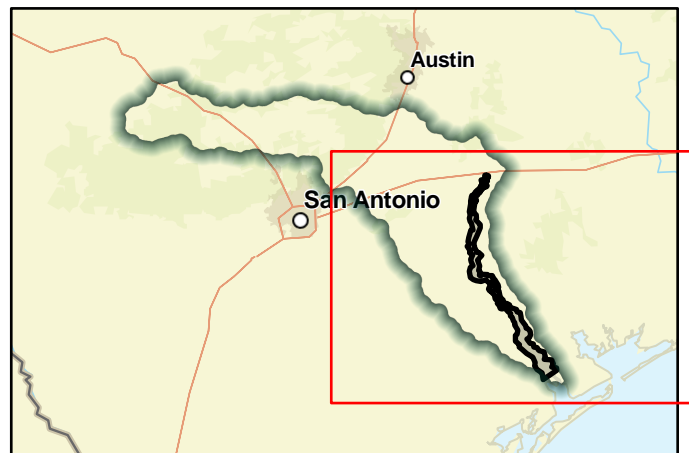
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	Yes	Water supply contribution description	.02 acre-feet/day. Average rates sourced from a TWDB 2002 Research

Estimated Cost

Project Cost	\$39,227,000	% Nature-Based	2	BCR	0.2
Recurring costs	196000	Issues	Project depends on land acquisition		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Kerr County Back-up Power Generators**

ID# **113000052** Sponsor **Kerr (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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

Watershed HUC# (if known) **12100201** Emergency Need? **No**

Drainage area (mi² est.) **23.58**

Associated FME's **-** County **Kerr**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **5,950** # of structures **1,522** Critical facilities: **4**

Farm/Ranch land impacted (acres) **193.3** Roadway(s) impacted (length) **30.6**

Number of low water crossings **20** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **0** # of structures removed from 100-yr **0**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **0**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

Impacts

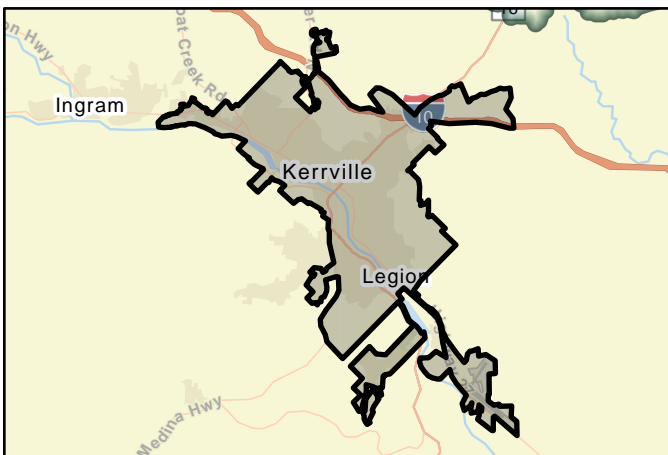
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$806,000** % Nature-Based **0** BCR **0**

Recurring costs **2500** Issues **None**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Project Description

Install emergency generators and quick connects on all buildings, critical infrastructure, and government buildings.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

Flood risk type: Riverine? Coastal? Local? Playa? Other?

Population at risk # of structures Critical facilities:

Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

100-Year Flood Risk Reduction

Population removed from 100-yr # of structures removed from 100-yr

Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles) Low water crossings removed from 100-yr

Other benefits Reduction in # of road closures over 10 years

Impacts

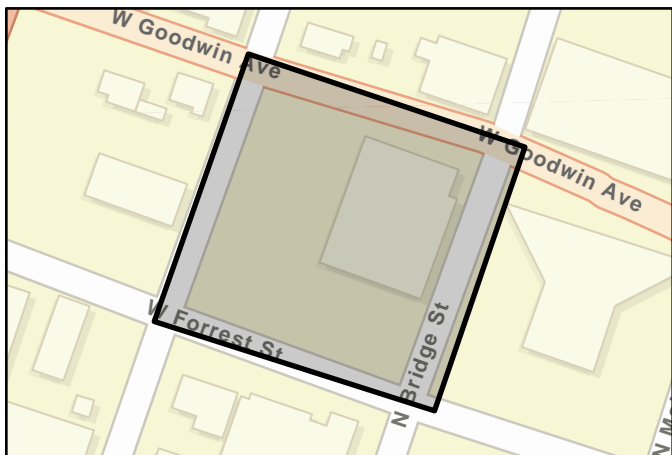
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Buda Lifschutz Headwaters Voluntary Buyout**

ID# **113000061** Sponsor **Buda (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Voluntary, targeted buyouts for 1 or more affected properties. (November 11, 2016 Preliminary Engineering Report)

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **9.73**

Associated FME's **-** County **Hays**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **59** # of structures **22** Critical facilities: **0**

Farm/Ranch land impacted (acres) **10.3** Roadway(s) impacted (length) **1**

Number of low water crossings **1** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **0** # of structures removed from 100-yr **1**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **0**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

Impacts

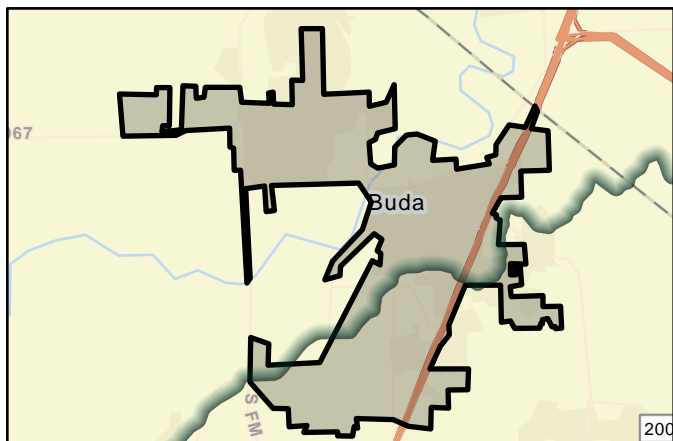
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$565,000** % Nature-Based **100** BCR **0.3**

Recurring costs **3000** Issues **None**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Project Description

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.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk # of structures Critical facilities:

Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

100-Year Flood Risk Reduction

Population removed from 100-yr # of structures removed from 100-yr

Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles) Low water crossings removed from 100-yr

Other benefits Reduction in # of road closures over 10 years

Impacts

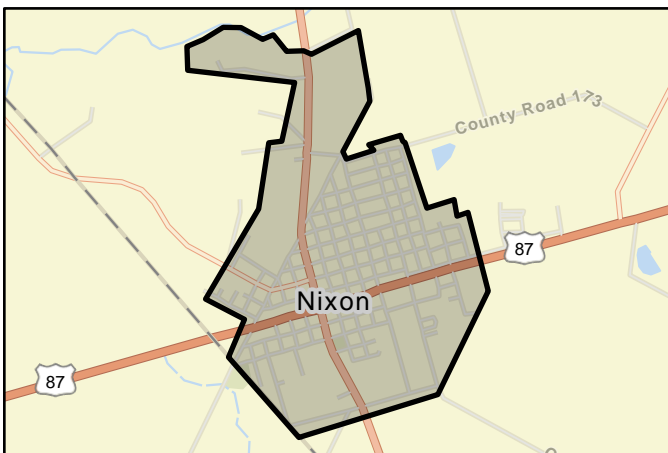
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Project Description

Purchase and installation of generators for temporary sheltering efforts in all public facilities capable of housing citizens.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk # of structures Critical facilities:

Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

100-Year Flood Risk Reduction

Population removed from 100-yr # of structures removed from 100-yr

Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles) Low water crossings removed from 100-yr

Other benefits Reduction in # of road closures over 10 years

Impacts

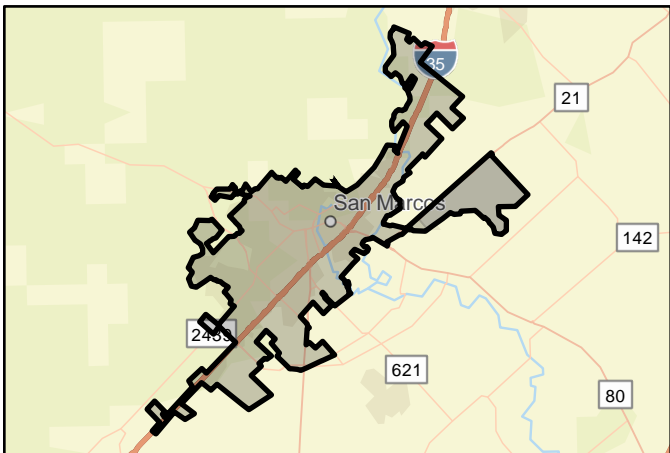
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Victoria County Emergency Generators**

ID# **113000064** Sponsor **Victoria (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Install emergency generators at critical facilities.

Watershed HUC# (if known) **12100204** Emergency Need? **No**

Drainage area (mi² est.) **37.24**

Associated FME's **-** County **Victoria**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **3,167** # of structures **1,135** Critical facilities: **24**

Farm/Ranch land impacted (acres) **101.6** Roadway(s) impacted (length) **35.9**

Number of low water crossings **0** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **0** # of structures removed from 100-yr **0**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **0**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

Impacts

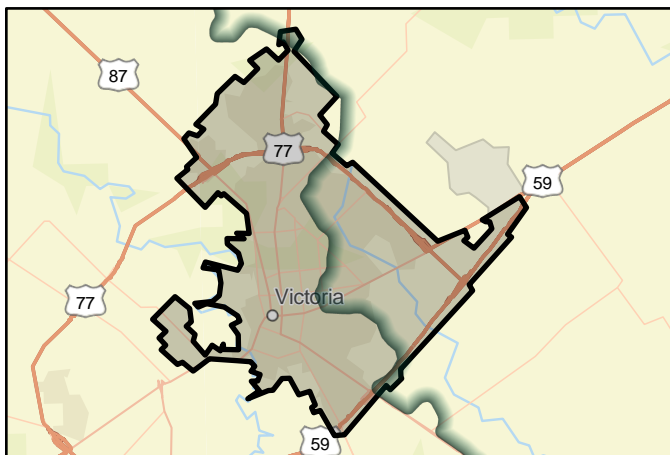
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

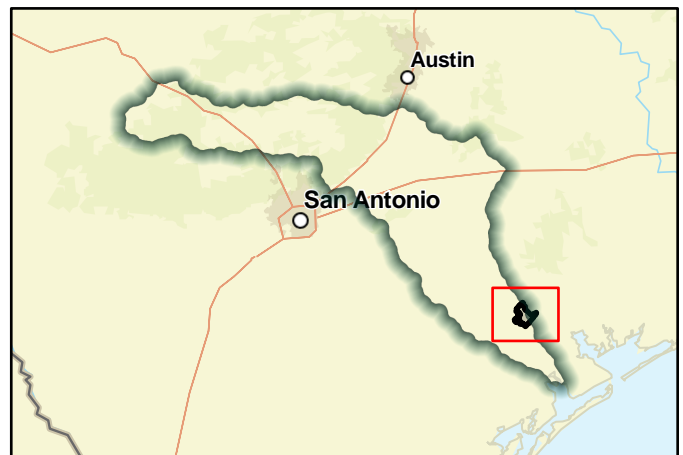
Estimated Cost

Project Cost **\$551,000** % Nature-Based **0** BCR **0**

Recurring costs **2500** Issues **None**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Seguin Regional Detention Southwest of Seguin City Limits Project**

ID# **113000065** Sponsor **Seguin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Proposed regional detention detention project on Mays Creek.

Watershed HUC# (if known)	12100202	Emergency Need?	No
Associated FME's	-	Drainage area (mi ² est.)	0.32
Associated FMS's	-	County	Guadalupe
		Associated FMP's	-

Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Population at risk	42	# of structures	20	Critical facilities:	0
Farm/Ranch land impacted (acres)	28	Roadway(s) impacted (length)	0.4		
Number of low water crossings	1	Historical road closures	-		

100-Year Flood Risk Reduction

Population removed from 100-yr	19	# of structures removed from 100-yr	8
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	1	Low water crossings removed from 100-yr	1
Other benefits	prevent road overtopping	Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Project Cost	\$2,015,000	% Nature-Based	14	BCR	1.2
Recurring costs	10000	Issues	None		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Seguin Culvert Improvements at Guadalupe River Drive Project**

ID# **113000066** Sponsor **Seguin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known)	12100202	Emergency Need?	No
Associated FME's	-	Drainage area (mi ² est.)	0.08
Associated FMS's	-	County	Guadalupe
		Associated FMP's	-

Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Population at risk	37	# of structures	16	Critical facilities:	0
Farm/Ranch land impacted (acres)	7.8	Roadway(s) impacted (length)	0.3		
Number of low water crossings	1	Historical road closures	-		

100-Year Flood Risk Reduction

Population removed from 100-yr	13	# of structures removed from 100-yr	6
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	1	Low water crossings removed from 100-yr	1
Other benefits	Relieve structures upstream Mays Creek from	Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Project Cost	\$594,000	% Nature-Based	4	BCR	1.3
Recurring costs	3000	Issues	None		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Victoria Channel and Bridge Modifications on State Highway 87 Project**

ID# **113000067** Sponsor **Victoria (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Proposed channel and bridge modification project. The design modification consists of adding two additional piers to the right and left overbanks of the bridge.

Watershed HUC# (if known)	12100204	Emergency Need?	No
		Drainage area (mi ² est.)	0.15
Associated FME's	-	County	Victoria
Associated FMS's	-	Associated FMP's	-

Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Population at risk	2	# of structures	2	Critical facilities:	0
Farm/Ranch land impacted (acres)	67.8	Roadway(s) impacted (length)	0.1		
Number of low water crossings	0	Historical road closures	-		

100-Year Flood Risk Reduction

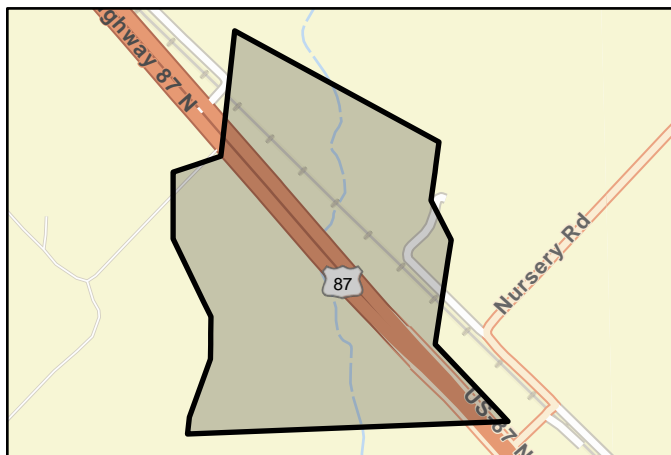
Population removed from 100-yr	4	# of structures removed from 100-yr	2	
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0	
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0	
Other benefits	Reduces severity and frequency of flooding along SH		Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Project Cost	\$8,350,000	% Nature-Based	3	BCR	0.3
Recurring costs	42000	Issues	SWPP implementation, utility relocation, geotechnical analysis		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Victoria Detention Structure Located Upstream of State Highway 87 Project**

ID# **113000068** Sponsor **Victoria (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known)	12100204	Emergency Need?	No
Associated FME's	-	Drainage area (mi ² est.)	3.19
Associated FMS's	-	County	Victoria
		Associated FMP's	-

Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Population at risk	146	# of structures	56	Critical facilities:	0
Farm/Ranch land impacted (acres)	640.6	Roadway(s) impacted (length)	3.2		
Number of low water crossings	3	Historical road closures	-		

100-Year Flood Risk Reduction

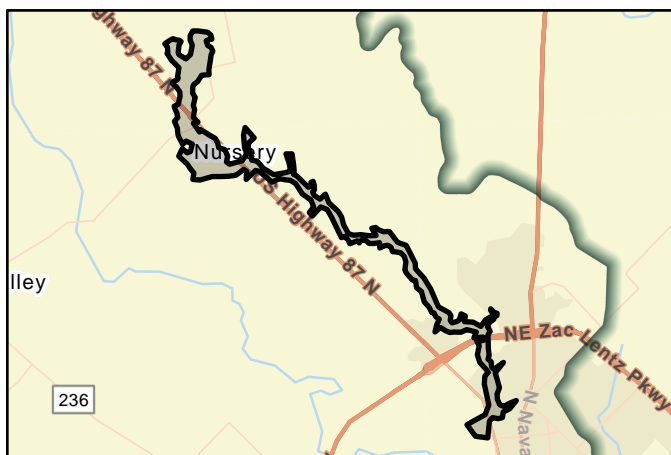
Population removed from 100-yr	52	# of structures removed from 100-yr	38
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Project Cost	\$58,395,000	% Nature-Based	1	BCR	0.1
Recurring costs	292000	Issues	higher cost for excavation due to ground elevations close to sea level		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Guadalupe County Detention on York Creek Project**

ID# **113000069** Sponsor **Guadalupe (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known)	12100203	Emergency Need?	No
		Drainage area (mi ² est.)	365.33
Associated FME's	-	County	Guadalupe
Associated FMS's	-	Associated FMP's	-

Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? Yes	Local? No	Playa? No	Other? No
Population at risk	7,280	# of structures	4,637	Critical facilities:	75
Farm/Ranch land impacted (acres)	85,276	Roadway(s) impacted (length)	189		
Number of low water crossings	16	Historical road closures	-		

100-Year Flood Risk Reduction

Population removed from 100-yr	287	# of structures removed from 100-yr	100	
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0	
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0	
Other benefits	Reduces flooding along San Marcos and Guadalupe		Reduction in # of road closures over 10 years	0

Impacts

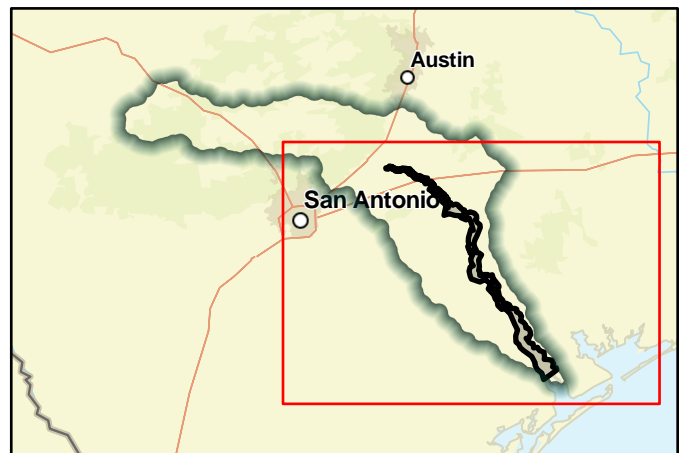
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	Yes	Water supply contribution description	.008 feet-acre/day. Average rates sourced from a TWDB 2002 Research

Estimated Cost

Project Cost	\$45,376,000	% Nature-Based	2	BCR	0.5
Recurring costs	227000	Issues	None		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Victoria County Nursery Road LWC**

ID# **113000070** Sponsor **Victoria (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known) **12100204** Emergency Need? **No**

Drainage area (mi² est.) **0.11**

Associated FME's **-** County **Victoria**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **2** # of structures **2** Critical facilities: **0**

Farm/Ranch land impacted (acres) **5.8** Roadway(s) impacted (length) **0.2**

Number of low water crossings **1** Historical road closures **2**

100-Year Flood Risk Reduction

Population removed from 100-yr **0** # of structures removed from 100-yr **0**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **Improved roads** Reduction in # of road closures over 10 years **2**

Impacts

Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$724,000** % Nature-Based **1** BCR **1.1**

Recurring costs **3600** Issues **None**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Victoria County Parsons Road LWC**

ID# **113000071** Sponsor **Victoria (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known) **12100204** Emergency Need? **No**

Drainage area (mi² est.) **0.13**

Associated FME's **-** County **Victoria**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **2** # of structures **2** Critical facilities: **0**

Farm/Ranch land impacted (acres) **8.6** Roadway(s) impacted (length) **0.1**

Number of low water crossings **1** Historical road closures **5**

100-Year Flood Risk Reduction

Population removed from 100-yr **0** # of structures removed from 100-yr **0**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **Improved roads** Reduction in # of road closures over 10 years **5**

Impacts

Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$905,000** % Nature-Based **1** BCR **2.8**

Recurring costs **4800** Issues **None**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Project Description

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.

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk # of structures Critical facilities:

Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

100-Year Flood Risk Reduction

Population removed from 100-yr # of structures removed from 100-yr

Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles) Low water crossings removed from 100-yr

Other benefits Reduction in # of road closures over 10 years

Impacts

Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Kendall County Cypress Creek Detention**

ID# **113000073** Sponsor **Kendall (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known) **12100201** Emergency Need? **No**

Drainage area (mi² est.) **0.76**

Associated FME's **-** County **Kendall, Kerr**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **380** # of structures **268** Critical facilities: **0**

Farm/Ranch land impacted (acres) **196.7** Roadway(s) impacted (length) **6.2**

Number of low water crossings **0** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **5** # of structures removed from 100-yr **3**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

Impacts

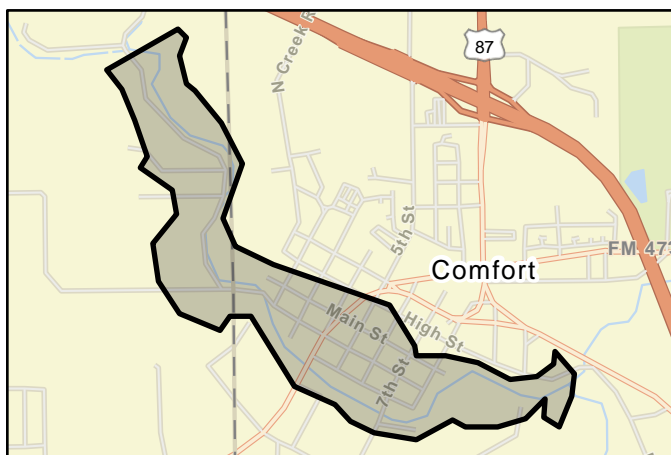
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **Yes** Water supply contribution description **2.19-73 acre-feet/day. varied rates found in FMPs Report**

Estimated Cost

Project Cost **\$14,350,000** % Nature-Based **1** BCR **1.1**

Recurring costs **72000** Issues **None**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Caldwell County CR 141 @ Hines Branch**

ID# **113000074** Sponsor **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Upgrade existing low water crossing to include box culverts and channel improvements

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.22**

Associated FME's **-** County **Caldwell**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **0** # of structures **0** Critical facilities: **0**

Farm/Ranch land impacted (acres) **72.1** Roadway(s) impacted (length) **0.2**

Number of low water crossings **1** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **0** # of structures removed from 100-yr **0**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **Reduces severity and frequency of flooding on CR** Reduction in # of road closures over 10 years **0**

Impacts

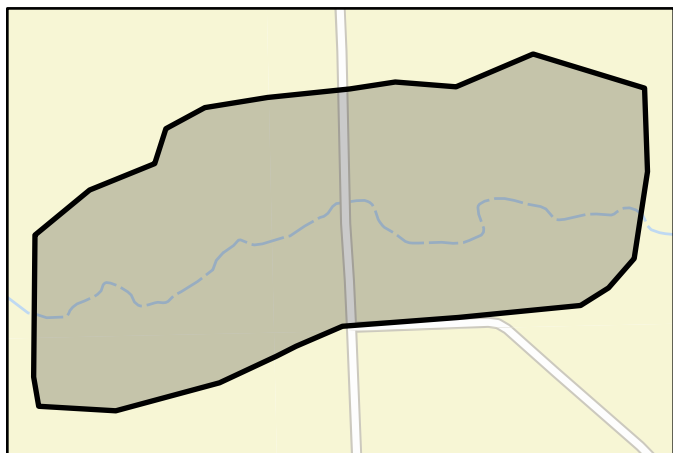
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$2,893,000** % Nature-Based **5** BCR **0.2**

Recurring costs **1000** Issues **None identified at this time**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Caldwell County SH 80 Low Water Crossing Improvements @ Morrison Creek**

ID# **113000075** Sponsor **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Upgrade existing low water crossing to include culverts, channel improvements, and detention

Watershed HUC# (if known)	12100203	Emergency Need?	No
		Drainage area (mi ² est.)	1.85
Associated FME's	-	County	Caldwell
Associated FMS's	-	Associated FMP's	-

Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Population at risk	17	# of structures	11	Critical facilities:	0
Farm/Ranch land impacted (acres)	195.3	Roadway(s) impacted (length)	0.6		
Number of low water crossings	3	Historical road closures	-		

100-Year Flood Risk Reduction

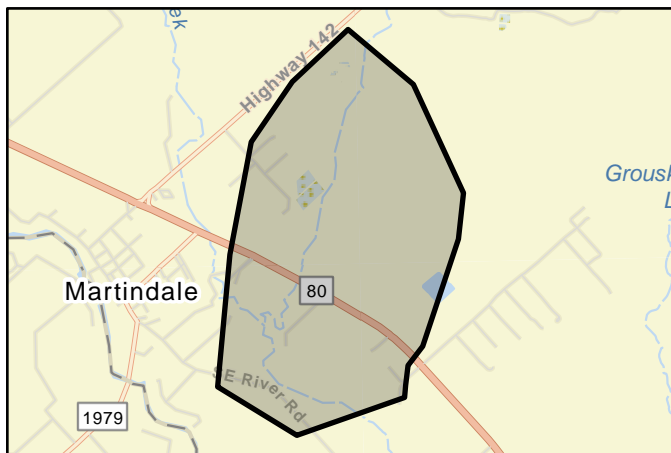
Population removed from 100-yr	17	# of structures removed from 100-yr	10
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	3
Other benefits	Reduces severity and frequency of flooding on SH 80	Reduction in # of road closures over 10 years	0

Impacts

Negative impacts?	Yes	Negative impacts description	Localized WSEL rises between 0.35 ft and 0.50 ft
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Project Cost	\$20,224,000	% Nature-Based	5	BCR	0.5
Recurring costs	5000	Issues	None identified at this time		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Caldwell County Salt Branch Drainage Improvements in Luling**

ID# **113000076** Sponsor **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Expand existing US 183 bridge and upgrade existing LWCs at Walnut and Laurel with box culverts and channel improvements

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.28**

Associated FME's **-** County **Caldwell**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **11** # of structures **12** Critical facilities: **0**

Farm/Ranch land impacted (acres) **11.1** Roadway(s) impacted (length) **1.6**

Number of low water crossings **2** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **0** # of structures removed from 100-yr **0**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **2**

Other benefits **Reduces severity and frequency of flooding on Walnut** Reduction in # of road closures over 10 years **-**

Impacts

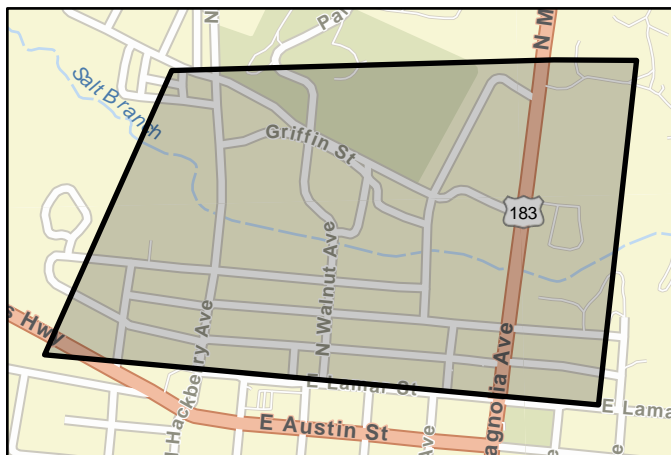
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$5,798,000** % Nature-Based **5** BCR **0.7**

Recurring costs **1000** Issues **None identified at this time**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Caldwell County CR 233 and FM 2001 @ Plum Creek**

ID# **113000077** Sponsor **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Upgrade existing low water crossing on Polonia Road to include new bridge; channel improvements at FM 2001 and Polonia Road

Watershed HUC# (if known) **12100203** Emergency Need? **No**
 Drainage area (mi² est.) **0.8**
 Associated FME's **-** County **Caldwell**
 Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**
 Population at risk **7** # of structures **4** Critical facilities: **0**
 Farm/Ranch land impacted (acres) **182.6** Roadway(s) impacted (length) **1**
 Number of low water crossings **2** Historical road closures **-**

100-Year Flood Risk Reduction

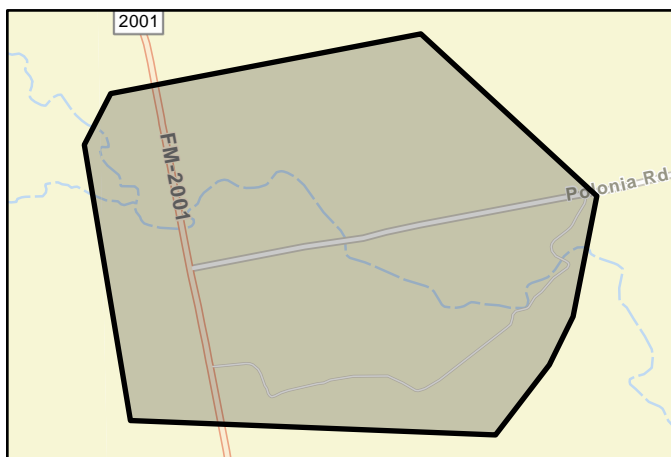
Population removed from 100-yr **1** # of structures removed from 100-yr **1**
 Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**
 Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**
 Other benefits **Reduced severity and frequency of flooding on CR** Reduction in # of road closures over 10 years **-**

Impacts

Negative impacts? **No** Negative impacts description **-**
 Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$7,934,000** % Nature-Based **5** BCR **0.5**
 Recurring costs **1000** Issues **None identified at this time**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Caldwell County Plum Creek Channel Improvements Near CR 227**

ID# **113000078** Sponsor **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Channel Improvements to mitigate residential and commercial flooding near CR 227

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.39**

Associated FME's **-** County **Caldwell,Hays**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **15** # of structures **7** Critical facilities: **0**

Farm/Ranch land impacted (acres) **52.4** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **2** # of structures removed from 100-yr **4**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **-**

Impacts

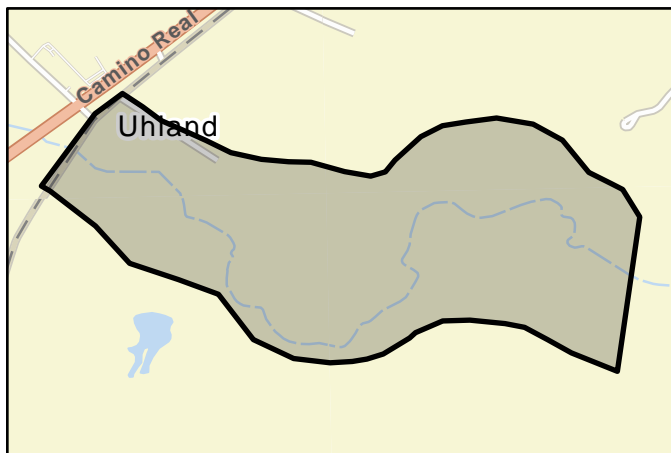
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$5,587,000** % Nature-Based **5** BCR **0.1**

Recurring costs **1000** Issues **None identified at this time**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Caldwell County Hemphill Creek Drainage Improvements Near FM 1984**

ID# **113000079** Sponsor **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Channel improvements; Bridge Extension; Bridge conversion; and detention to reduce residential flooding near FM 1984

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.62**

Associated FME's **-** County **Caldwell**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **31** # of structures **16** Critical facilities: **0**

Farm/Ranch land impacted (acres) **30.6** Roadway(s) impacted (length) **0.6**

Number of low water crossings **1** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **28** # of structures removed from 100-yr **10**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **1** Low water crossings removed from 100-yr **1**

Other benefits **Reduces severity and frequency of flooding at FM** Reduction in # of road closures over 10 years **-**

Impacts

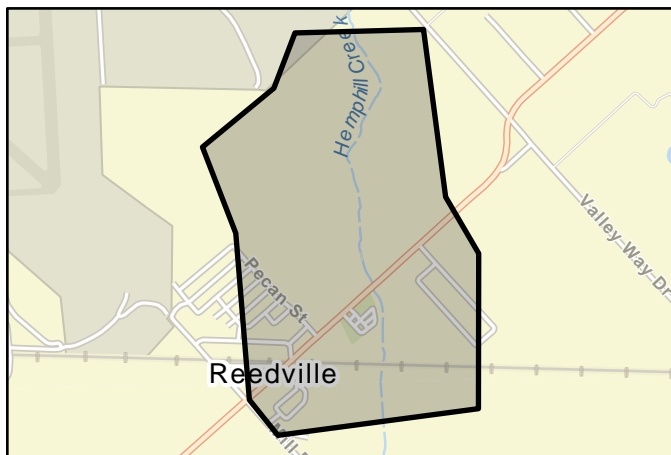
Negative impacts? **Yes** Negative impacts description **Localized WSEL rises between 0.35 ft and 0.50 ft**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$19,790,000** % Nature-Based **5** BCR **0.4**

Recurring costs **1000** Issues **None identified at this time**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Caldwell County US 183 @ Clear Fork Plum Creek**

ID# **113000080** Sponsor **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Expand existing US 183 and Robin Ranch Rd bridge openings; channel improvements

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.84**

Associated FME's **-** County **Caldwell**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **212** # of structures **27** Critical facilities: **0**

Farm/Ranch land impacted (acres) **53** Roadway(s) impacted (length) **0.4**

Number of low water crossings **0** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **128** # of structures removed from 100-yr **17**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **Improves bridges at US 183 and Robin Ranch Road** Reduction in # of road closures over 10 years **-**

Impacts

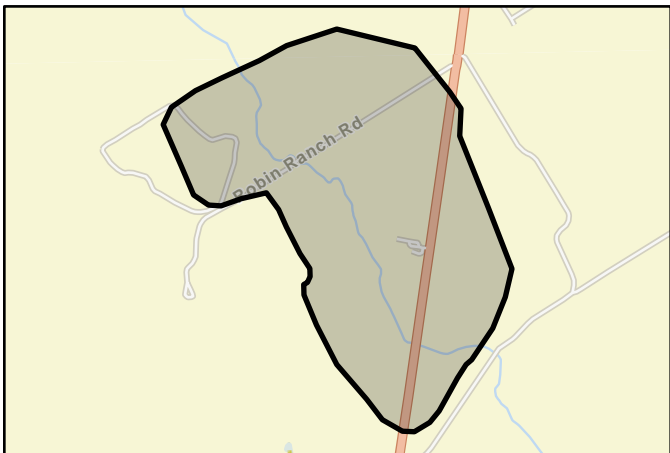
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$16,501,000** % Nature-Based **5** BCR **0.1**

Recurring costs **1000** Issues **None identified at this time**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Caldwell County Brushy Creek Channel Improvements Near Las Estancias II**

ID# **113000081** Sponsor **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Channel improvements to reduce residential flooding within Las Estancias II subdivision

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.38**

Associated FME's **-** County **Caldwell,Hays**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **17** # of structures **11** Critical facilities: **0**

Farm/Ranch land impacted (acres) **7.4** Roadway(s) impacted (length) **0.1**

Number of low water crossings **0** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **17** # of structures removed from 100-yr **11**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **-**

Impacts

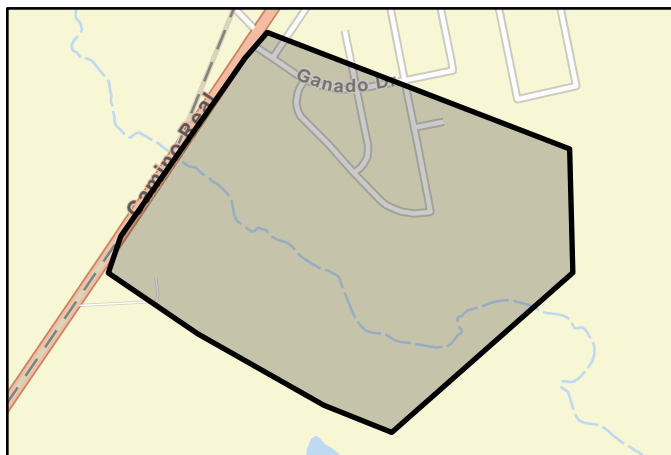
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$9,622,000** % Nature-Based **5** BCR **0.1**

Recurring costs **1000** Issues **None identified at this time**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Caldwell County Boggy Creek Channel Improvements Near SH 142**

ID# **113000082** Sponsor **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Channel improvements to reduce residential/commercial flooding near SH142

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.47**

Associated FME's **-** County **Caldwell**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **8** # of structures **4** Critical facilities: **0**

Farm/Ranch land impacted (acres) **30.8** Roadway(s) impacted (length) **0.6**

Number of low water crossings **0** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **4** # of structures removed from 100-yr **2**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **-**

Impacts

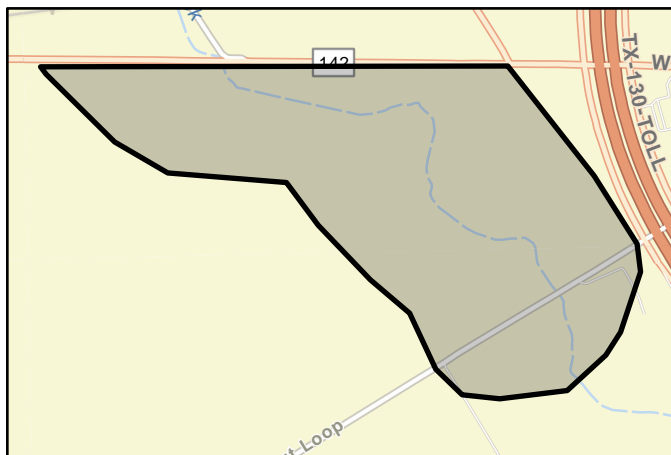
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$6,113,000** % Nature-Based **5** BCR **0.1**

Recurring costs **1000** Issues **None identified at this time**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Caldwell County CR 218 @ Boggy Creek and Clear Fork Plum Creek**

ID# **113000083** Sponsor **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Caldwell County CR 218 @ Boggy Creek and Clear Fork Plum Creek

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.42**

Associated FME's **-** County **Caldwell**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **1** # of structures **1** Critical facilities: **0**

Farm/Ranch land impacted (acres) **41.3** Roadway(s) impacted (length) **0.5**

Number of low water crossings **2** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **0** # of structures removed from 100-yr **0**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **Reduces severity and frequency of flooding at 2 low** Reduction in # of road closures over 10 years **-**

Impacts

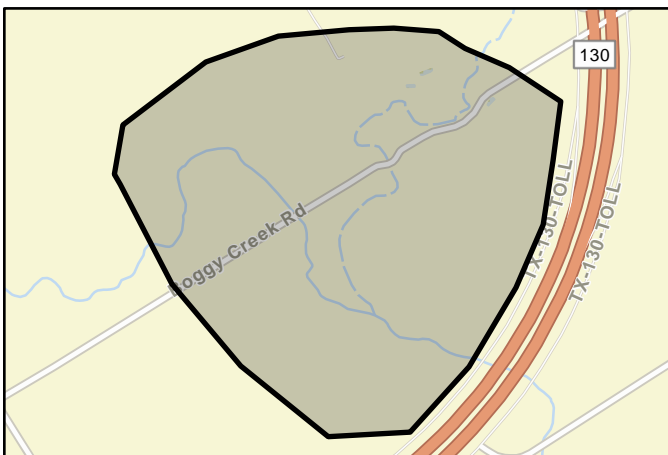
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$7,836,000** % Nature-Based **5** BCR **0**

Recurring costs **1000** Issues **None identified at this time**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Caldwell County CR 227 @ Brushy Creek**

ID# **113000084** Sponsor **Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Upgrade existing low water crossing to include box culverts and channel improvements

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.77**

Associated FME's **-** County **Caldwell**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **0** # of structures **0** Critical facilities: **0**

Farm/Ranch land impacted (acres) **46.6** Roadway(s) impacted (length) **0.4**

Number of low water crossings **1** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **0** # of structures removed from 100-yr **0**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **Reduces severity and frequency of flooding on CR** Reduction in # of road closures over 10 years **-**

Impacts

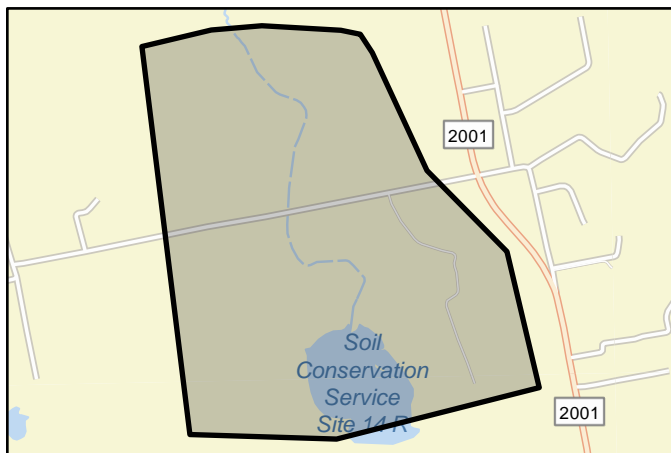
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$3,504,000** % Nature-Based **5** BCR **2.3**

Recurring costs **1000** Issues **None identified at this time**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Project Description

Watershed HUC# (if known) Emergency Need?

Drainage area (mi² est.)

Associated FME's County

Associated FMS's Associated FMP's

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No

Population at risk # of structures Critical facilities:

Farm/Ranch land impacted (acres) Roadway(s) impacted (length)

Number of low water crossings Historical road closures

100-Year Flood Risk Reduction

Population removed from 100-yr # of structures removed from 100-yr

Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles) Low water crossings removed from 100-yr

Other benefits Reduction in # of road closures over 10 years

Impacts

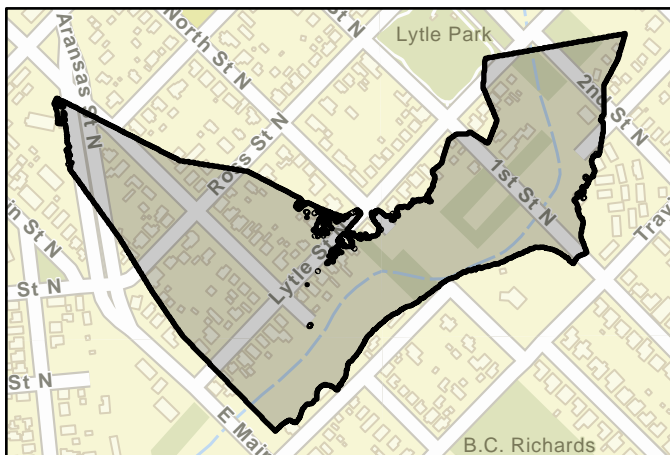
Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Project Cost % Nature-Based BCR

Recurring costs Issues



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Kerrville Fourth Street Low Water Crossing**

ID# **113000086** Sponsor **Kerrville (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

7-12' x 8' box culverts, channel improvements, and road raise

Watershed HUC# (if known) **12100201** Emergency Need? **No**

Drainage area (mi² est.) **0.02**

Associated FME's **-** County **Kerr**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **48** # of structures **16** Critical facilities: **0**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0.2**

Number of low water crossings **1** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **3** # of structures removed from 100-yr **1**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **1**

Other benefits **None** Reduction in # of road closures over 10 years **-**

Impacts

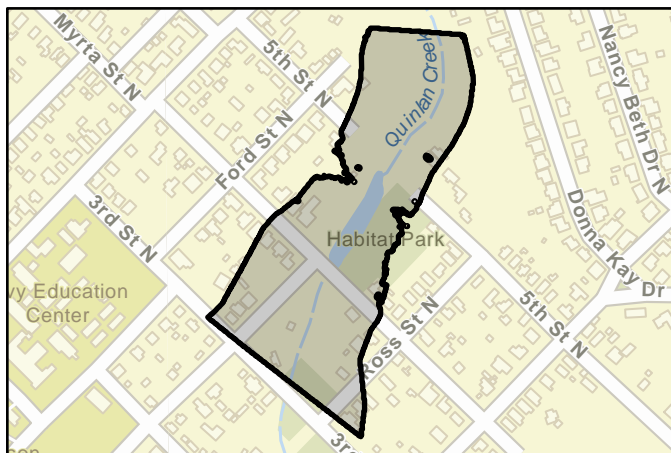
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$5,392,000** % Nature-Based **1** BCR **0.1**

Recurring costs **1000** Issues **None identified at this time**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of New Braunfels Nacogdoches and Faust Drainage Improvements**

ID# **113000087** Sponsor **New Braunfels (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known)	12100202	Emergency Need?	No
Associated FME's	-	Drainage area (mi ² est.)	0.01
Associated FMS's	-	County	Comal
		Associated FMP's	-

Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Population at risk	629	# of structures	206	Critical facilities:	0
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (length)	0.5		
Number of low water crossings	0	Historical road closures	1		

100-Year Flood Risk Reduction

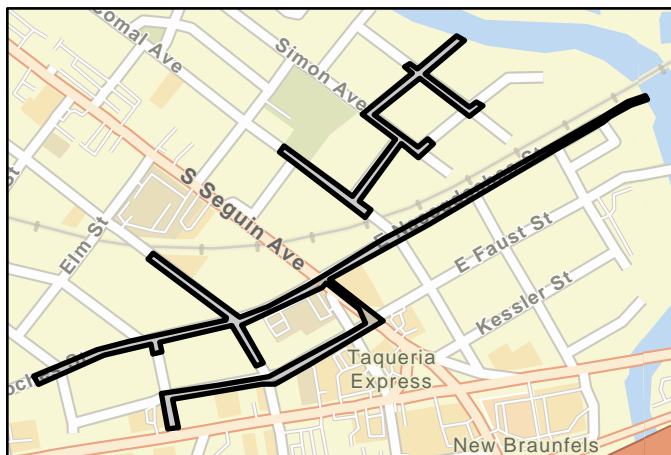
Population removed from 100-yr	629	# of structures removed from 100-yr	206
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years	1

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Project Cost	\$18,380,000	% Nature-Based	3	BCR	0.8
Recurring costs	1000	Issues	ROW, permitting, utility relocations		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of New Braunfels Castell Avenue Phase 1 Drainage Improvements**

ID# **113000088** Sponsor **New Braunfels (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known) **12100202** Emergency Need? **No**

Drainage area (mi² est.) **0.01**

Associated FME's **-** County **Comal**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **0** # of structures **32** Critical facilities: **0**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0.5**

Number of low water crossings **0** Historical road closures **1**

100-Year Flood Risk Reduction

Population removed from 100-yr **60** # of structures removed from 100-yr **32**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **1**

Impacts

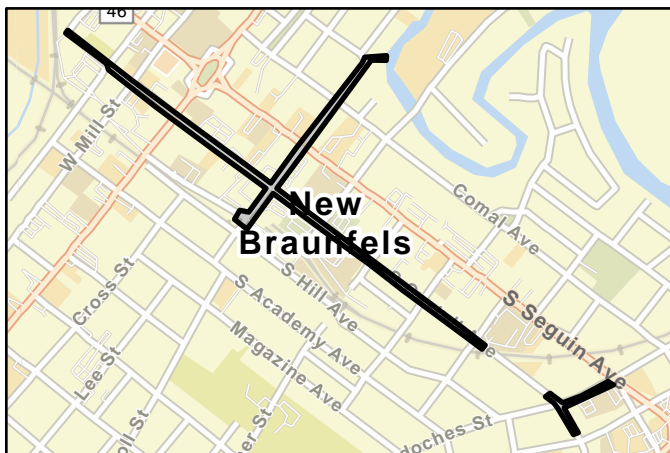
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$6,732,000** % Nature-Based **0** BCR **0.4**

Recurring costs **1000** Issues **ROW, permitting, utility relocations**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Kendall County Cypress Creek FEWS Siren System**

ID# **113000089** Sponsor **Kendall (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known) **12100201** Emergency Need? **No**

Drainage area (mi² est.) **46.96**

Associated FME's **-** County **Kendall, Kerr**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **511** # of structures **377** Critical facilities: **0**

Farm/Ranch land impacted (acres) **2,576.8** Roadway(s) impacted (length) **11.6**

Number of low water crossings **12** Historical road closures **-**

100-Year Flood Risk Reduction

Population removed from 100-yr **0** # of structures removed from 100-yr **0**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **-**

Impacts

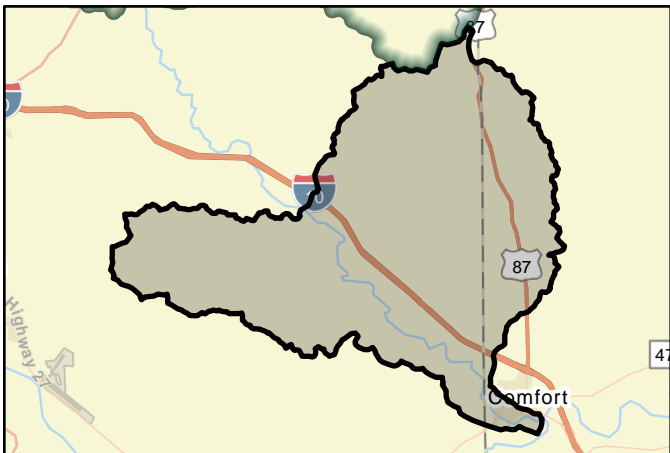
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$20,000** % Nature-Based **0** BCR **0**

Recurring costs **5000** Issues **None identified at this time**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of San Marcos McKie Street at Willow Springs Creek Improvements**

ID# **113000090** Sponsor **San Marcos (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

LWC Upgrade (4-8'x6' RCBs, raise road 3') and Channel Improvements (500LF)

Watershed HUC# (if known) **12100203** Emergency Need? **No**

Drainage area (mi² est.) **0.01**

Associated FME's **-** County **Hays**

Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Population at risk **0** # of structures **0** Critical facilities: **0**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0.1**

Number of low water crossings **1** Historical road closures **40**

100-Year Flood Risk Reduction

Population removed from 100-yr **0** # of structures removed from 100-yr **0**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **Transportation - may allow for connectivity of** Reduction in # of road closures over 10 years **25**

Impacts

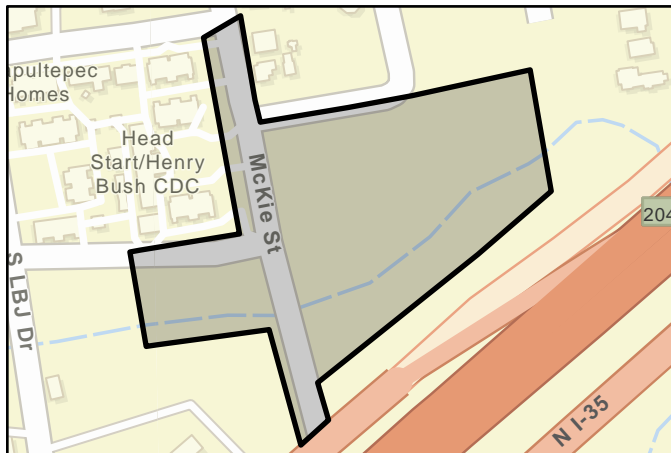
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Project Cost **\$1,044,000** % Nature-Based **4** BCR **2.4**

Recurring costs **1000** Issues **Environmental Permitting, Utility Relocations**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Edwards Aquifer Authority and San Marcos River Foundation Katz Recharge Conservation Easement**

ID# **113000091** Sponsor **Edwards Aquifer Authority**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Funding for 25% of the acquisition of a conservation easement to catch runoff and avoid future increases in impervious cover to mitigate future floods

Watershed HUC# (if known) **12100203** Emergency Need? **No**
 Drainage area (mi² est.) **0.11**
 Associated FME's **-** County **Hays**
 Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**
 Population at risk **0** # of structures **0** Critical facilities: **0**
 Farm/Ranch land impacted (acres) **2.2** Roadway(s) impacted (length) **0**
 Number of low water crossings **0** Historical road closures **-**

100-Year Flood Risk Reduction

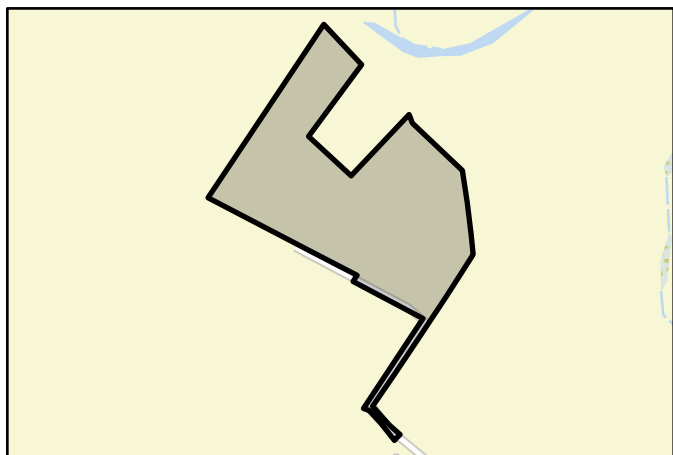
Population removed from 100-yr **0** # of structures removed from 100-yr **0**
 Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**
 Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**
 Other benefits **water quality, rainwater infiltration, aquifer recharge** Reduction in # of road closures over 10 years **-**

Impacts

Negative impacts? **No** Negative impacts description **-**
 Water supply contributions? **Yes** Water supply contribution description **.16 ac-ft/day. Conservation easement over the Edwards Aquifer**

Estimated Cost

Project Cost **\$765,000** % Nature-Based **100** BCR **0**
 Recurring costs **0** Issues **None identified at this time**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **Edwards Aquifer Authority and San Marcos River Foundation Peters Recharge Conservation Easement**

ID# **113000092** Sponsor **Edwards Aquifer Authority**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Funding for 25% of the acquisition of a conservation easement to catch runoff and avoid future increases in impervious cover to mitigate future floods

Watershed HUC# (if known) **12100203** Emergency Need? **No**
 Drainage area (mi² est.) **0.13**
 Associated FME's **-** County **Hays**
 Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**
 Population at risk **0** # of structures **0** Critical facilities: **0**
 Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**
 Number of low water crossings **0** Historical road closures **-**

100-Year Flood Risk Reduction

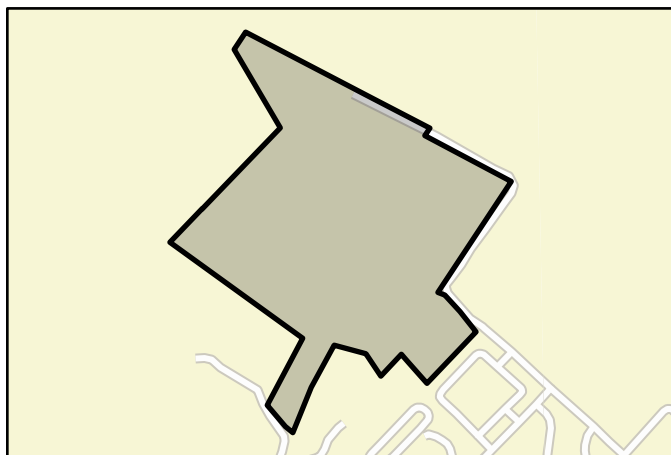
Population removed from 100-yr **0** # of structures removed from 100-yr **0**
 Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**
 Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**
 Other benefits **water quality, rainwater infiltration, aquifer recharge** Reduction in # of road closures over 10 years **-**

Impacts

Negative impacts? **No** Negative impacts description **-**
 Water supply contributions? **Yes** Water supply contribution description **.18 ac-ft/day. Conservation easement over the Edwards Aquifer**

Estimated Cost

Project Cost **\$606,000** % Nature-Based **100** BCR **0**
 Recurring costs **0** Issues **None identified at this time**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Martindale and San Marcos River Foundation Skull Crossing Flood Mitigation Conservation Easement**

ID# **113000093** Sponsor **Martindale (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known)	12100203	Emergency Need?	No
Associated FME's	-	Drainage area (mi ² est.)	0.08
Associated FMS's	-	County	Guadalupe, Caldwell
		Associated FMP's	-

Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Population at risk	22	# of structures	5	Critical facilities:	0
Farm/Ranch land impacted (acres)	27.1	Roadway(s) impacted (length)	0		
Number of low water crossings	0	Historical road closures	-		

100-Year Flood Risk Reduction

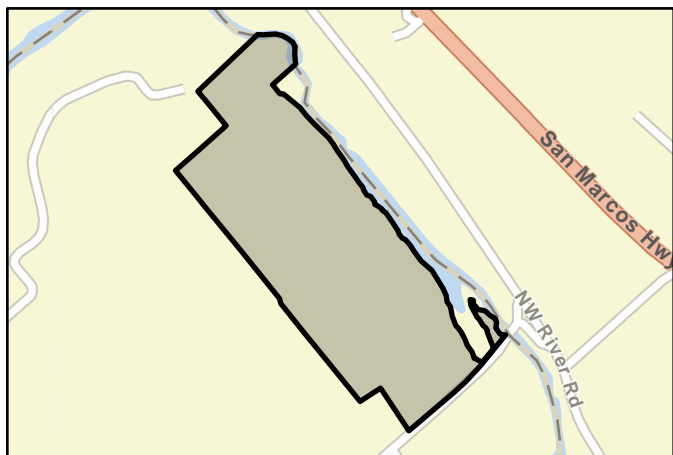
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	water quality, rainwater infiltration, aquifer recharge	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	Yes	Water supply contribution description	.11 ac-ft/day. Conservation easement over the Edwards Aquifer

Estimated Cost

Project Cost	\$489,000	% Nature-Based	100	BCR	0
Recurring costs	0	Issues	None identified at this time		



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Martindale, Caldwell County, and San Marcos River Foundation Berry Riparian Flood Mitigation Conservation Easement**

ID# **113000094** Sponsor **Martindale (Municipality), Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

Funding for 50% of the acquisition of a conservation easement along Hemphill Creek. Benefits include riparian preservation, avoiding future increases in impervious cover.

Watershed HUC# (if known) **12100203** Emergency Need? **No**
 Drainage area (mi² est.) **0.08**
 Associated FME's **-** County **Caldwell**
 Associated FMS's **-** Associated FMP's **-**

Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**
 Population at risk **0** # of structures **0** Critical facilities: **0**
 Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **0**
 Number of low water crossings **0** Historical road closures **-**

100-Year Flood Risk Reduction

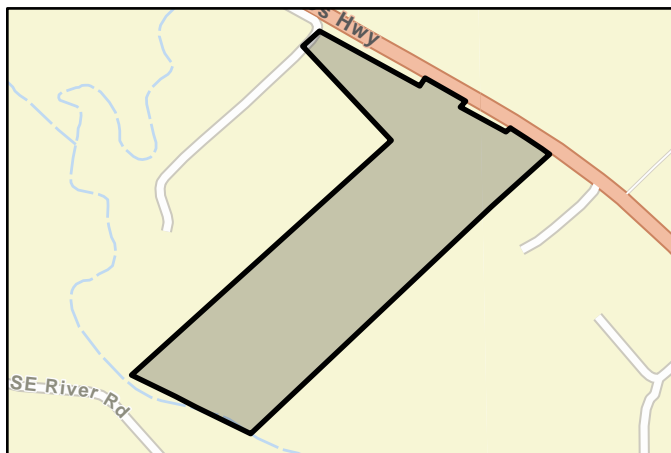
Population removed from 100-yr **0** # of structures removed from 100-yr **0**
 Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **-**
 Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**
 Other benefits **water quality, rainwater infiltration, aquifer recharge** Reduction in # of road closures over 10 years **-**

Impacts

Negative impacts? **No** Negative impacts description **-**
 Water supply contributions? **Yes** Water supply contribution description **.12 ac-ft/day. Conservation easement over the Edwards Aquifer**

Estimated Cost

Project Cost **\$120,000** % Nature-Based **100** BCR **0**
 Recurring costs **0** Issues **None identified at this time**



FMP area



Regional view of FMP area

Flood Mitigation Project (FMP)



Title **City of Martindale, Caldwell County, and San Marcos River Foundation Turner Riparian Flood Mitigation Conservation Easement**

ID# **113000095** Sponsor **Martindale (Municipality), Caldwell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Meets minimum TWDB requirements**

Project Description

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.

Watershed HUC# (if known)	12100203	Emergency Need?	No
		Drainage area (mi ² est.)	0.07
Associated FME's	-	County	Caldwell
Associated FMS's	-	Associated FMP's	-

Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Population at risk	0	# of structures	0	Critical facilities:	0
Farm/Ranch land impacted (acres)	4.2	Roadway(s) impacted (length)	0		
Number of low water crossings	0	Historical road closures	-		

100-Year Flood Risk Reduction

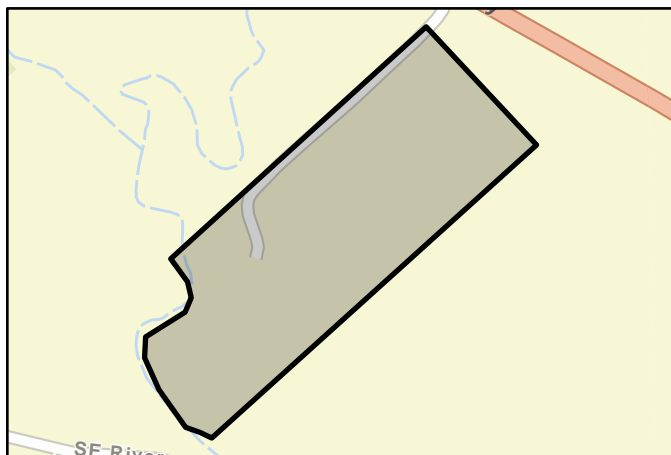
Population removed from 100-yr	0	# of structures removed from 100-yr	0	
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	-	
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0	
Other benefits	water quality, rainwater infiltration, aquifer recharge		Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	Yes	Water supply contribution description	.10 ac-ft/day. Conservation easement over the Edwards Aquifer

Estimated Cost

Project Cost	\$245,000	% Nature-Based	100	BCR	0
Recurring costs	0	Issues	None identified at this time		



FMP area



Regional view of FMP area