

Flood Management Evaluation (FME)



Title **City of Dallas Dam Program - Emerald Lake Dam**

ID# **031000449**

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

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Study Details

Study type **Other**

Study description **Study of possible rehabilitation of the Emerald Lake Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.**

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

County **Dallas** Watershed HUC# (if known) **120301020606**

Drainage area (Square miles, est.) **0** Goal(s) **03000033, 03000034**

100-Year Flood Risk Summary

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

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

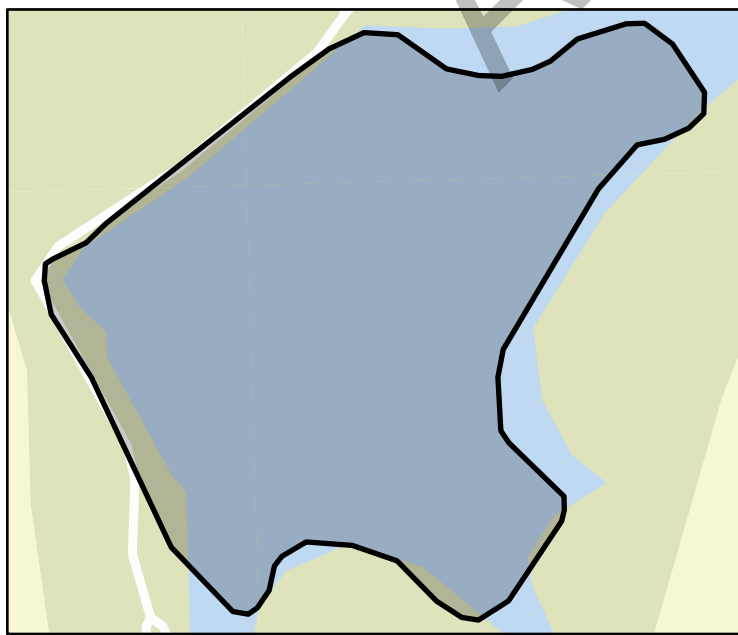
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Dallas Dam Program - Forney Dam**

ID# **031000450**

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

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Study Details

Study type **Other**

Study description **Study of possible rehabilitation of the Forney Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.**

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

County **Kaufman County,Dallas,Rockwall,Collin** Watershed HUC# (if known) **120301060401,120301060402,120301060403,120301060503,120301060**

Drainage area (Square miles, est.) **34** Goal(s) **03000033, 03000034**

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**

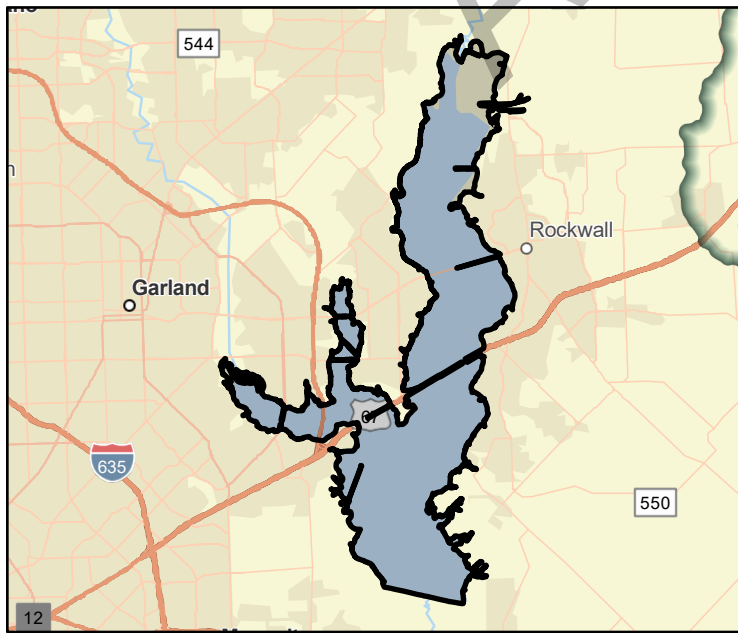
Farm/Ranch land impacted (acres) **295** Roadway(s) impacted (length) **9**

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

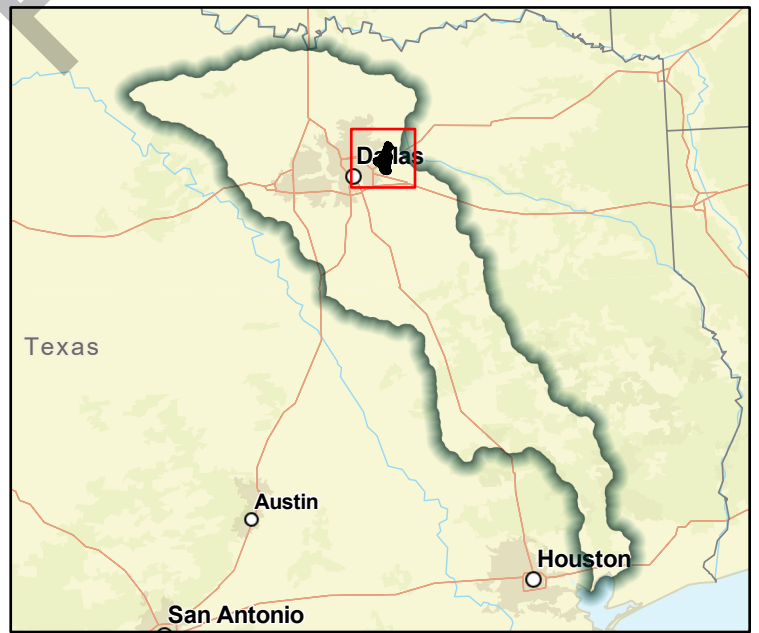
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Dallas Dam Program - Tawakoni Balancing Reservoir**

ID# **031000451**

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

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Study Details

Study type **Other**

Study description **Study of possible rehabilitation of the Tawakoni Balancing Reservoir Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.**

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

County **Kaufman County** Watershed HUC# (if known) **120301070105**

Drainage area (Square miles, est.) **0** Goal(s) **03000033, 03000034**

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) **0** 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 **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Stewart Creek & Legacy Gabion Repair**

ID# **031000452**

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

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Study Details

Study type **Project Planning**

Study description **Updates to existing study to perform creek bank stabilization in the Stewart Creek & Legacy Gabion area.**

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

County **Collin,Denton** Watershed HUC# (if known) **120301030906**

Drainage area (Square miles, est.) **1** Goal(s) **03000031, 03000032**

100-Year Flood Risk Summary

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

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

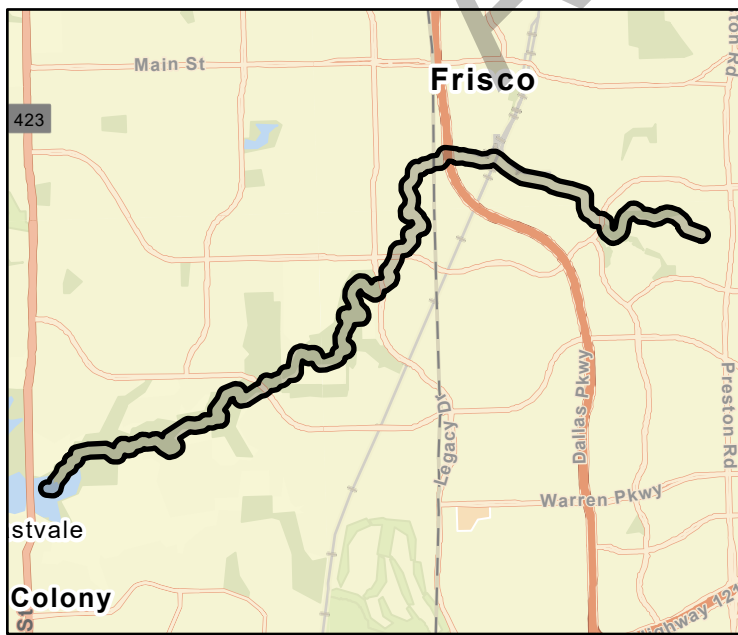
Farm/Ranch land impacted (acres) **27** Roadway(s) impacted (length) **1**

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

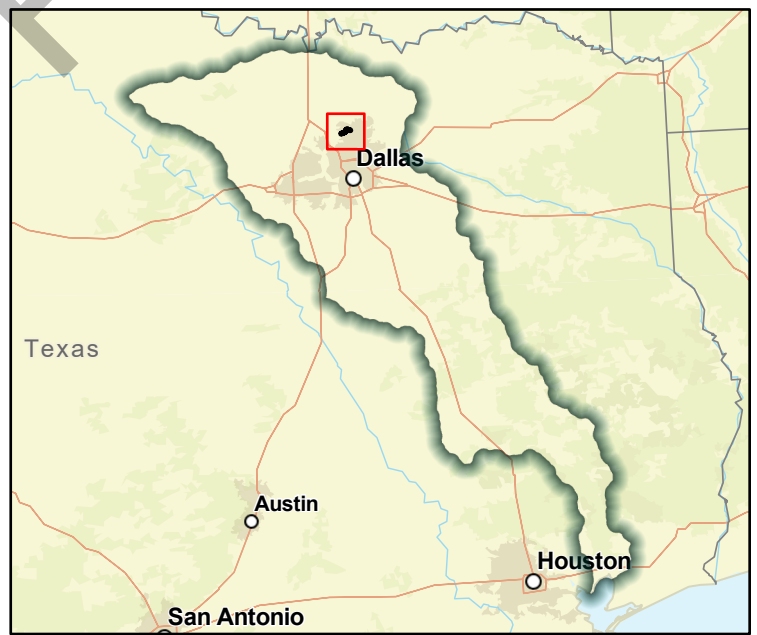
Estimated Cost and Funding Availability

Total Cost **\$350,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Edgewood
 ID# 031000453
 Sponsor (name of entity, not person) Frisco
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

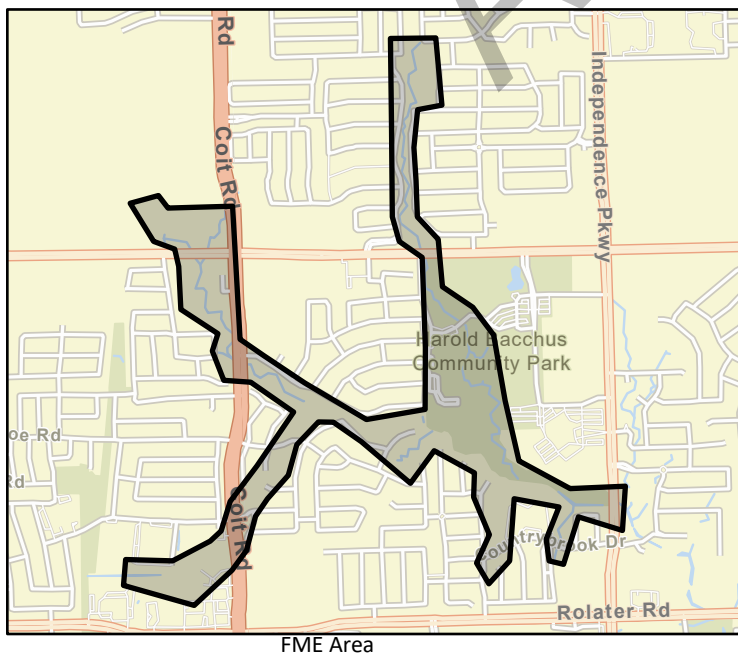
Study type Project Planning
 Study description Updates to existing study to perform creek bank stabilization in the Edgewood neighborhood
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -
 County Collin Watershed HUC# (if known) 120301060404
 Drainage area (Square miles, est.) 0 Goal(s) 03000031, 03000032

100-Year Flood Risk Summary

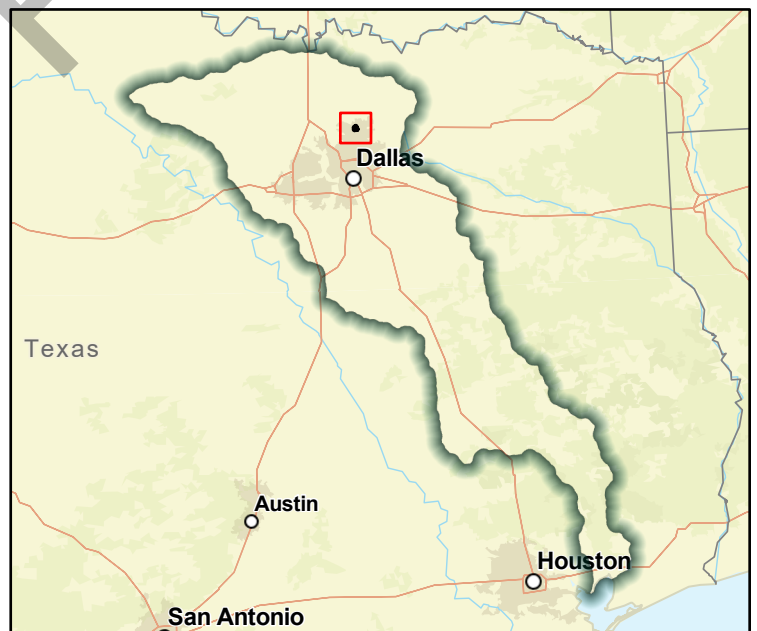
Population at risk 0 # of structures 0 Critical facilities 0
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 3 Roadway(s) impacted (length) 0
 Number of low water crossings 1 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$520,000 Amount of Available Funding - Federal funding availability -
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Regional Detention Study on Poindexter Creek**

ID# **031000454**

Sponsor (name of entity, not person) **Copper Canyon**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Study Details

Study type **Project Planning**

Study description **Proposed 320 ac-ft regional detention pond along Poindexter Branch and Poindexter Branch Tributary 5 and replacement of one (1) 80-ft bridge at Estates Drive. Anticipated const. cost = \$1,338,000**

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

County **Denton** Watershed HUC# (if known) **120301030805,120301031002,120301030804**

Drainage area (Square miles, est.) **4** Goal(s) **03000007, 03000008, 03000031, 03000032**

100-Year Flood Risk Summary

Population at risk **3,709** # of structures **1,144** Critical facilities **128**

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

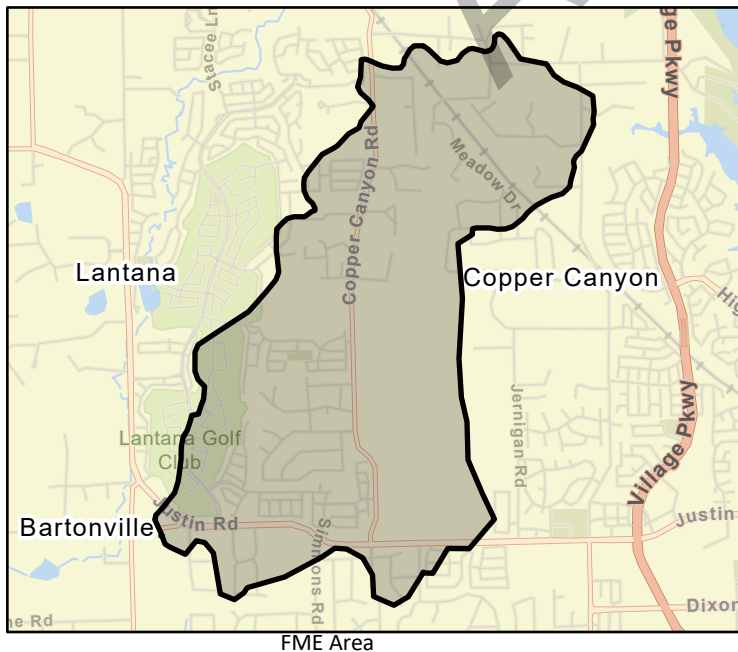
Farm/Ranch land impacted (acres) **901** Roadway(s) impacted (length) **72**

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

Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



Flood Management Evaluation (FME)



Title **Downtown Floodplain Mapping and Reclamation Improvements Evaluation**

ID# **031000455**

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

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Study Details

Study type **Watershed Planning**

Study description **Detailed flood study of Montague Creek to produce updated inundation mapping and provide proposed channel and crossing improvements through the central district of the city.**

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

County **Cooke** Watershed HUC# (if known) **120301030106,111302010707**

Drainage area (Square miles, est.) **11** Goal(s) **03000009, 03000010, 03000013, 03000014, 03000031, 03000032**

100-Year Flood Risk Summary

Population at risk **927** # of structures **658** Critical facilities **120**

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

Farm/Ranch land impacted (acres) **6,317** Roadway(s) impacted (length) **87**

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

Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Preliminary Engineering Study for Mary's Creek Mitigation for Fort Worth Floodway and Central City

ID# 031000456

Sponsor (name of entity, not person) Tarrant Regional Water District

RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

Study type Project Planning

Study description Preliminary engineering of a flood mitigation concept in the Mary's Creek basin upstream of the Fort Worth Floodway Federal Project and the Fort Worth Central City (FWCC) Project

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

County Tarrant,Parker Watershed HUC# (if known) 120301020104,120301020204,120301020105,120301020103,120301020

Drainage area (Square miles, est.) 54 Goal(s) 03000031, 03000032

100-Year Flood Risk Summary

Population at risk 1,453 # of structures 477 Critical facilities 0

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

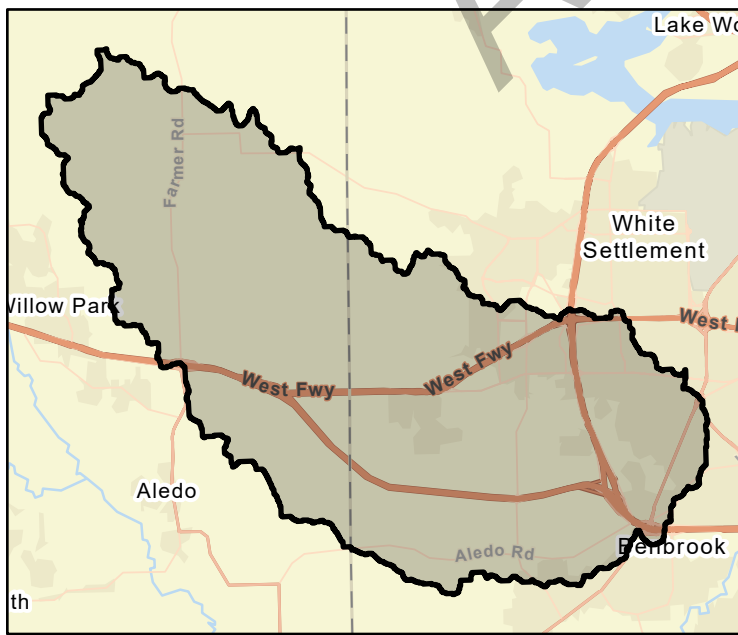
Farm/Ranch land impacted (acres) 2,623 Roadway(s) impacted (length) 19

Number of low water crossings 32 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$1,229,000 Amount of Available Funding - Federal funding availability -

Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Kaufman-Van Zandt SWCD Watershed-wide Dam Evaluations
 ID# 031000457
 Sponsor (name of entity, not person) Kaufman-Van Zandt SWCD
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

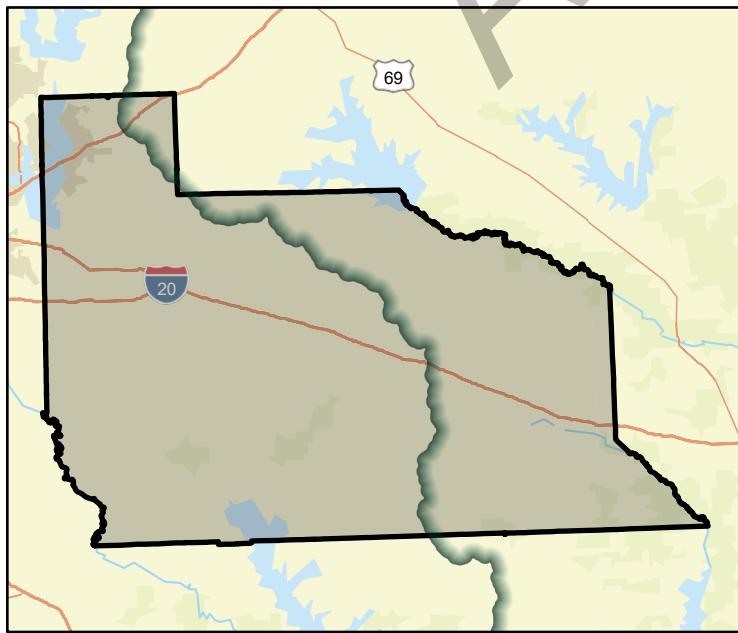
Study type Other
 Study description Kaufman-Van Zandt watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -
 County Kaufman, Van Zandt Watershed HUC# (if known) -
 Drainage area (Square miles, est.) 1,809 Goal(s) 03000033, 03000034

100-Year Flood Risk Summary

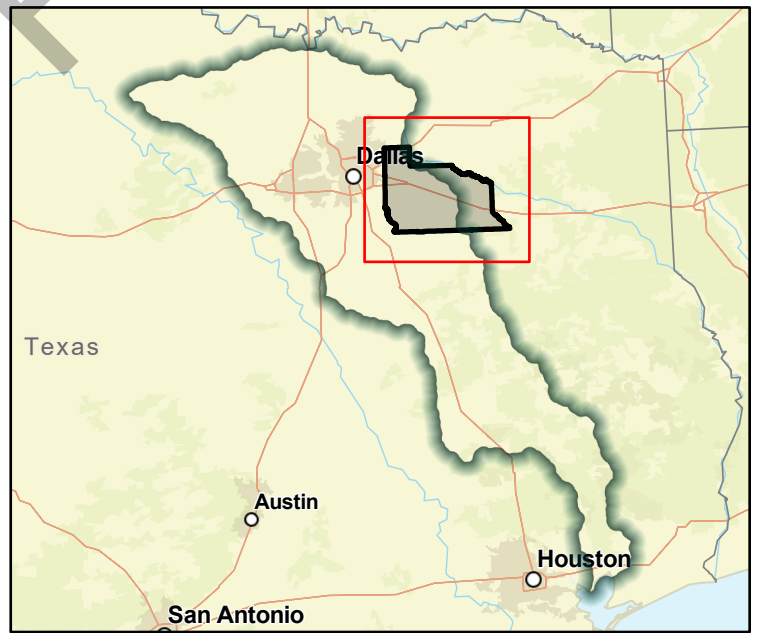
Population at risk 6,206 # of structures 3,001 Critical facilities 0
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 110,670 Roadway(s) impacted (length) 219
 Number of low water crossings 33 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$738,000 Amount of Available Funding - Federal funding availability -
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Upper Elm-Red SWCD Watershed-wide Dam Evaluations
 ID# 031000458
 Sponsor (name of entity, not person) Upper Elm-Red SWCD
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

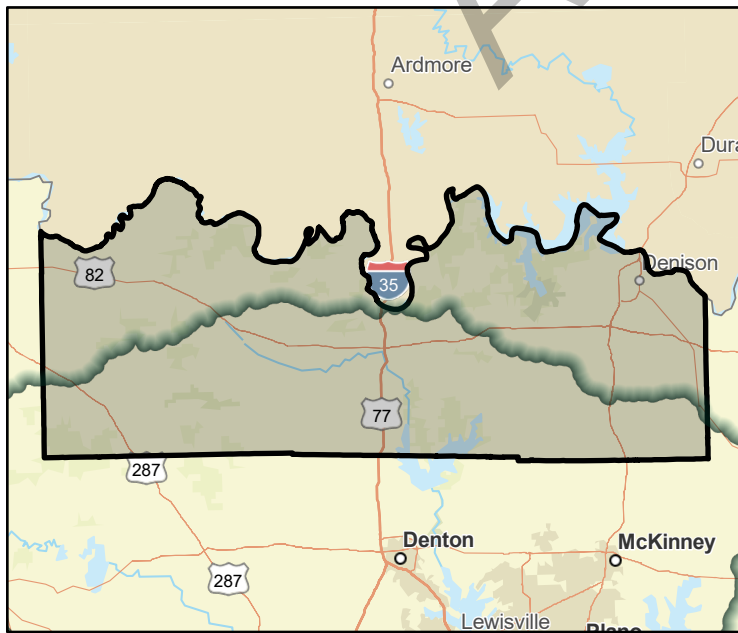
Study type Other
 Study description Upper Elm-Red watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -
 County Cooke, Grayson, Montague Watershed HUC# (if known) -
 Drainage area (Square miles, est.) 2,808 Goal(s) 03000033, 03000034

100-Year Flood Risk Summary

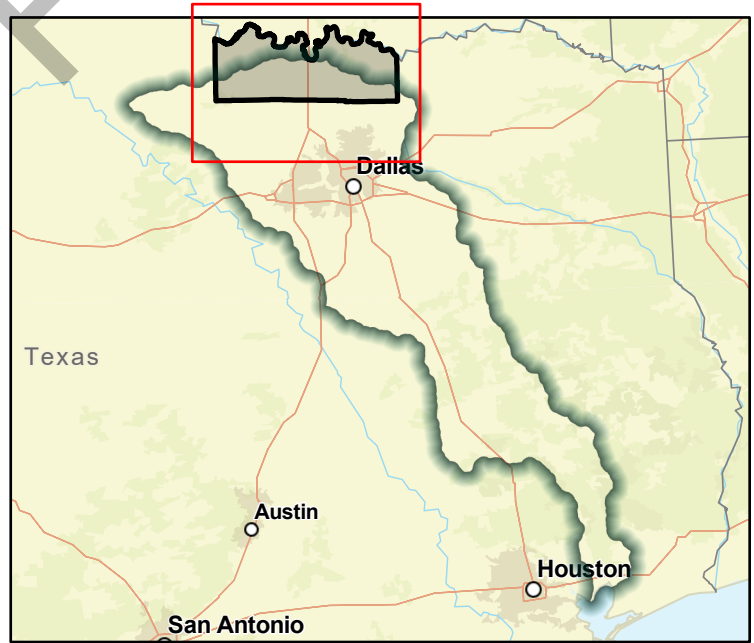
Population at risk 2,988 # of structures 2,203 Critical facilities 0
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 83,272 Roadway(s) impacted (length) 182
 Number of low water crossings 36 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$1,322,000 Amount of Available Funding - Federal funding availability -
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Collin County SWCD Watershed-wide Dam Evaluations

ID# 031000459

Sponsor (name of entity, not person) Collin County SWCD

RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

Study type Other

Study description Collin county watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.

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

County Collin Watershed HUC# (if known) -

Drainage area (Square miles, est.) 884 Goal(s) 03000033, 03000034

100-Year Flood Risk Summary

Population at risk 17,582 # of structures 2,844 Critical facilities 0

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

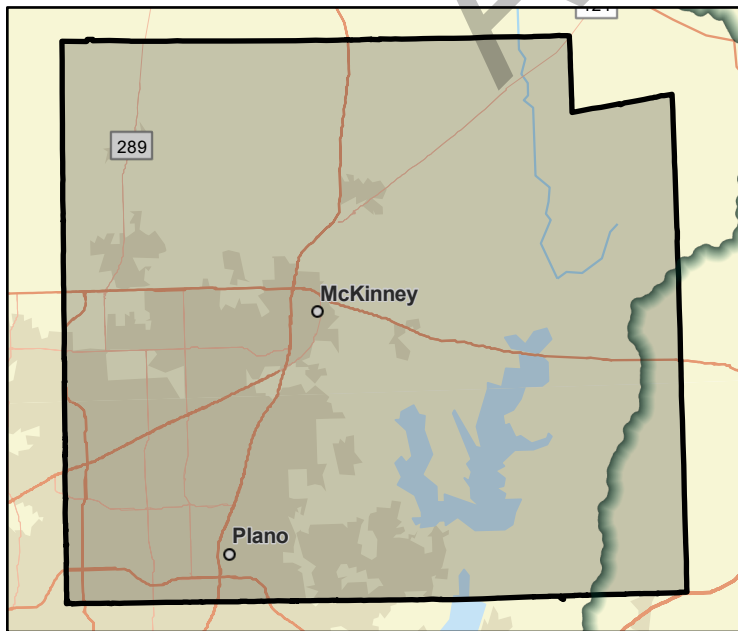
Farm/Ranch land impacted (acres) 34,184 Roadway(s) impacted (length) 146

Number of low water crossings 55 Historical road closures -

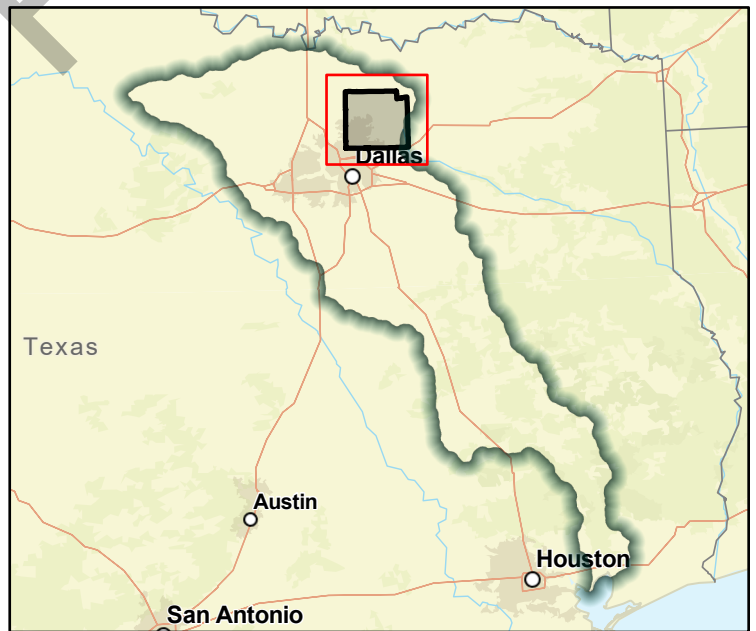
Estimated Cost and Funding Availability

Total Cost \$858,000 Amount of Available Funding - Federal funding availability -

Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Fannin SWCD Watershed-wide Dam Evaluations

ID# 031000460

Sponsor (name of entity, not person) Fannin SWCD

RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

Study type Other

Study description Fannin watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.

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

County Fannin Watershed HUC# (if known) 120301060101,120301060102

Drainage area (Square miles, est.) 0 Goal(s) 03000033, 03000034

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

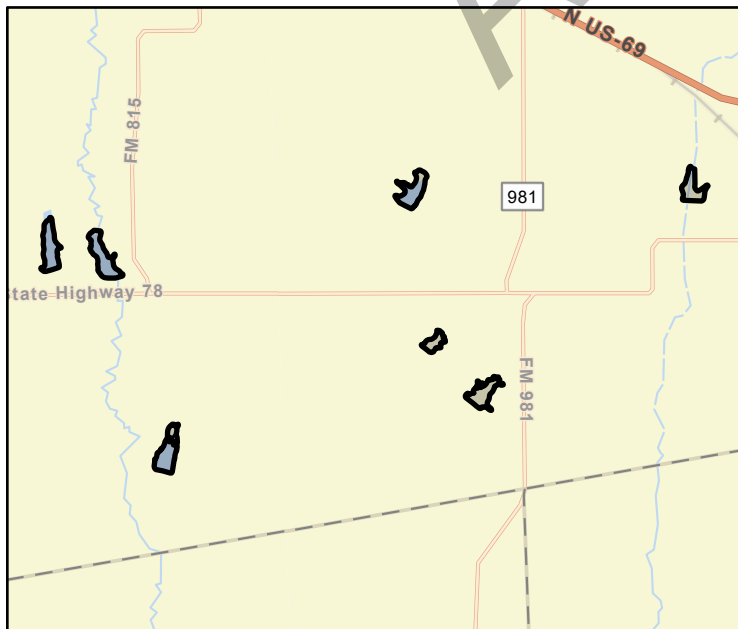
Farm/Ranch land impacted (acres) 17 Roadway(s) impacted (length) 0

Number of low water crossings 0 Historical road closures -

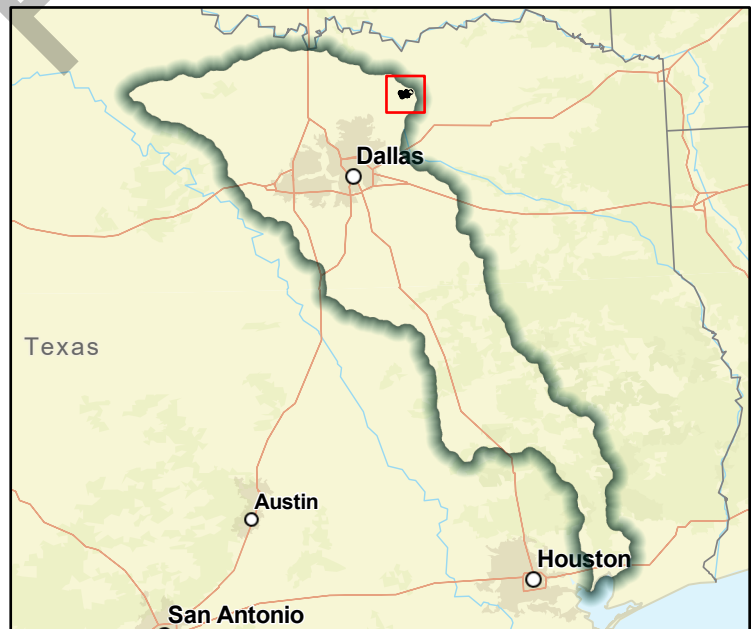
Estimated Cost and Funding Availability

Total Cost \$408,000 Amount of Available Funding - Federal funding availability -

Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Cooper Creek Drainage Study
 ID# 031000461
 Sponsor (name of entity, not person) Denton
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

Study type Watershed Planning
 Study description Flood study in the City of Denton to quantify existing flooding severity and proposed mitigation strategies to protect hydraulic structures and property adjacent to Cooper Creek.
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -
 County Denton Watershed HUC# (if known) 120301030901,120301030902,120301030605
 Drainage area (Square miles, est.) 14 Goal(s) 03000009, 03000010, 03000013, 03000014, 03000031, 03000032

100-Year Flood Risk Summary

Population at risk 32,216 # of structures 9,523 Critical facilities 779
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 2,746 Roadway(s) impacted (length) 380
 Number of low water crossings 3 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$250,000 Amount of Available Funding - Federal funding availability -
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Jack SWCD Watershed-wide Dam Evaluations
 ID# 031000462
 Sponsor (name of entity, not person) Jack Soil and Water SWCD
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

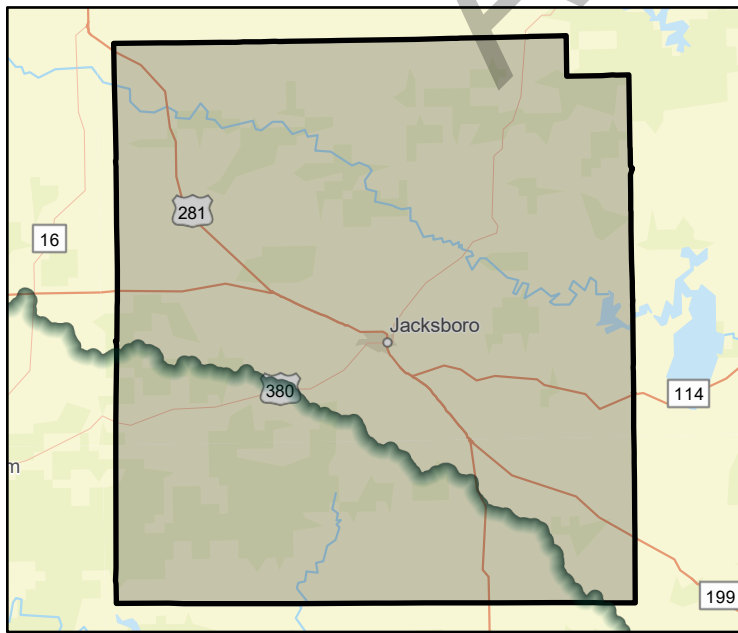
Study type Other
 Study description Jack watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -
 County Jack Watershed HUC# (if known) -
 Drainage area (Square miles, est.) 917 Goal(s) 03000033, 03000034

100-Year Flood Risk Summary

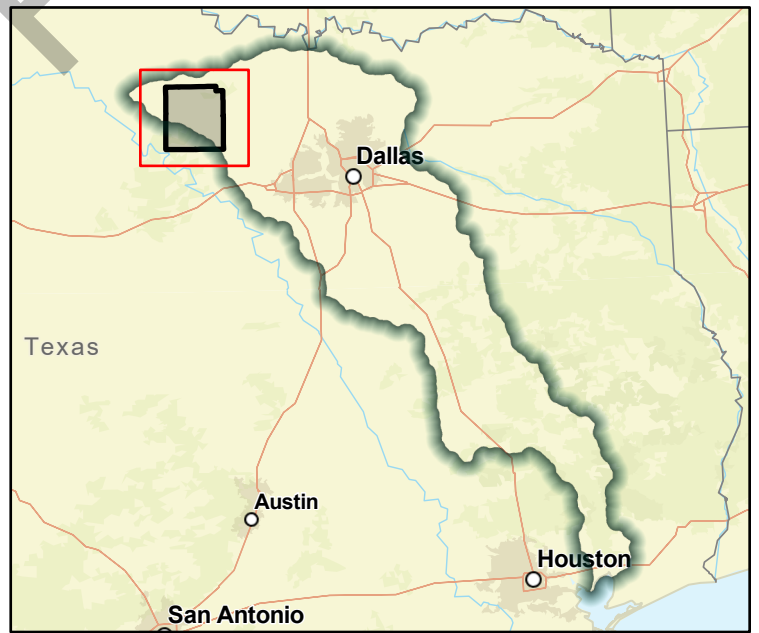
Population at risk 231 # of structures 268 Critical facilities 0
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 33,796 Roadway(s) impacted (length) 55
 Number of low water crossings 6 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$503,000 Amount of Available Funding - Federal funding availability -
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Denton SWCD Watershed-wide Dam Evaluations**

ID# **031000463**

Sponsor (name of entity, not person) **Denton SWCD**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Study Details

Study type **Other**

Study description **Denton watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.**

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

County **Denton** Watershed HUC# (if known) **-**

Drainage area (Square miles, est.) **950** Goal(s) **03000033, 03000034**

100-Year Flood Risk Summary

Population at risk **18,621** # of structures **4,555** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **53,564** Roadway(s) impacted (length) **241**

Number of low water crossings **96** Historical road closures **-**

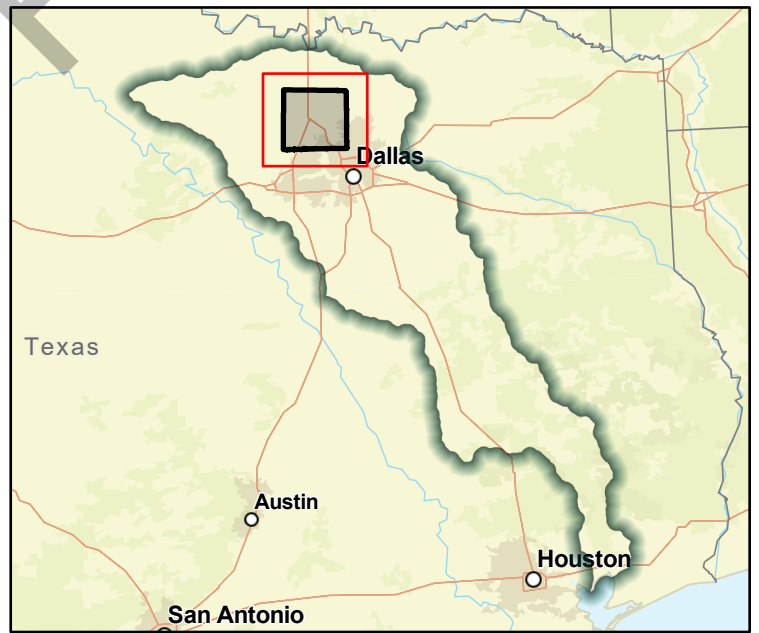
Estimated Cost and Funding Availability

Total Cost **\$618,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Dalworth SWCD Watershed-wide Dam Evaluations**

ID# **031000464**

Sponsor (name of entity, not person) **Dalworth SWCD**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Study Details

Study type **Other**

Study description **Dalworth watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.**

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

County **Dallas, Tarrant, Johnson, Ellis** Watershed HUC# (if known) **-**

Drainage area (Square miles, est.) **2,316** Goal(s) **03000033, 03000034**

100-Year Flood Risk Summary

Population at risk **267,208** # of structures **39,636** Critical facilities **0**

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

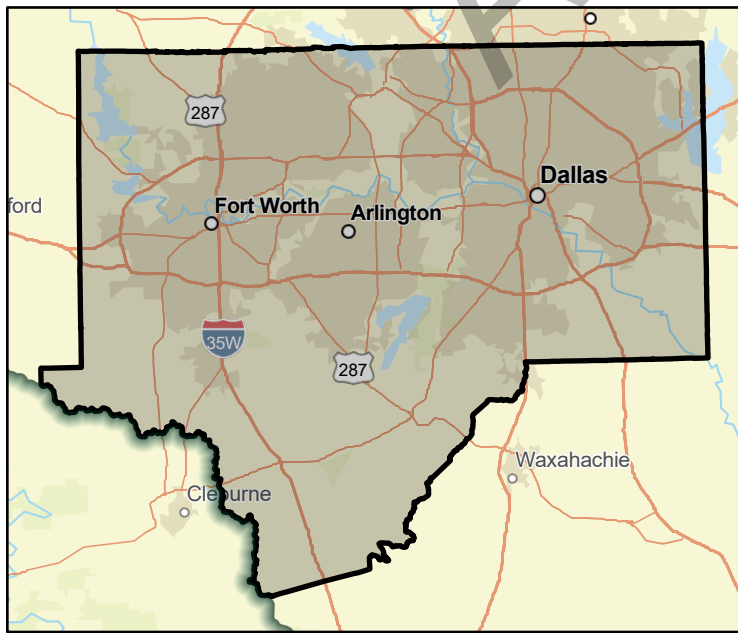
Farm/Ranch land impacted (acres) **78,807** Roadway(s) impacted (length) **1,361**

Number of low water crossings **1,299** Historical road closures **-**

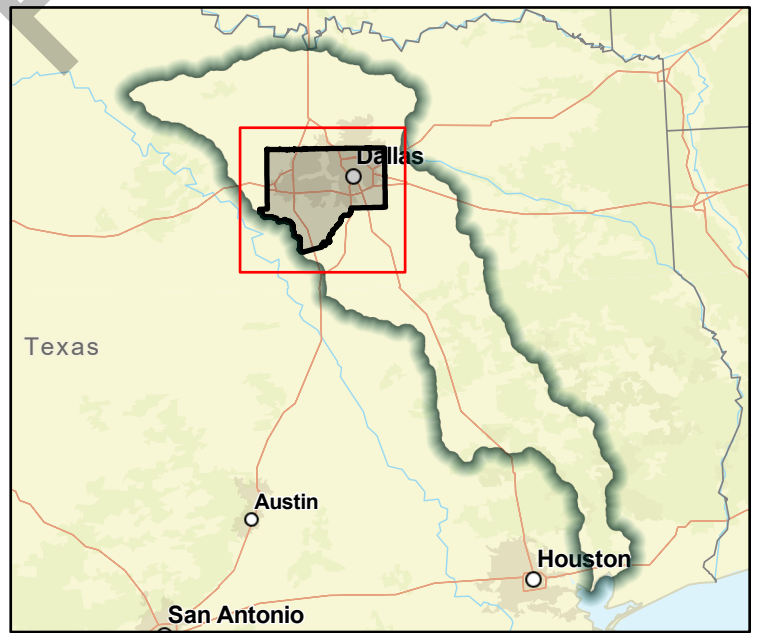
Estimated Cost and Funding Availability

Total Cost **\$923,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Upper Sabine SWCD Watershed-wide Dam Evaluations
 ID# 031000465
 Sponsor (name of entity, not person) Upper Sabine SWCD
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

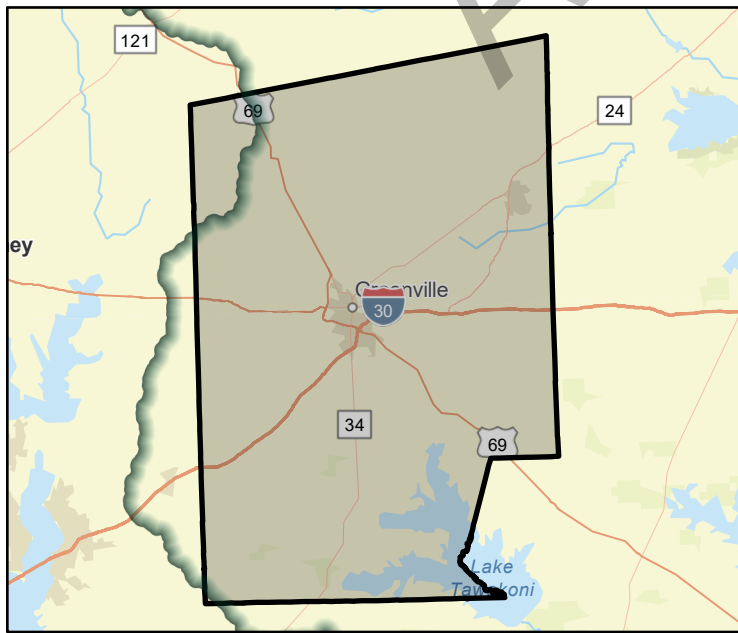
Study type Other
 Study description Upper Sabine watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -
 County Hunt Watershed HUC# (if known) -
 Drainage area (Square miles, est.) 879 Goal(s) 03000033, 03000034

100-Year Flood Risk Summary

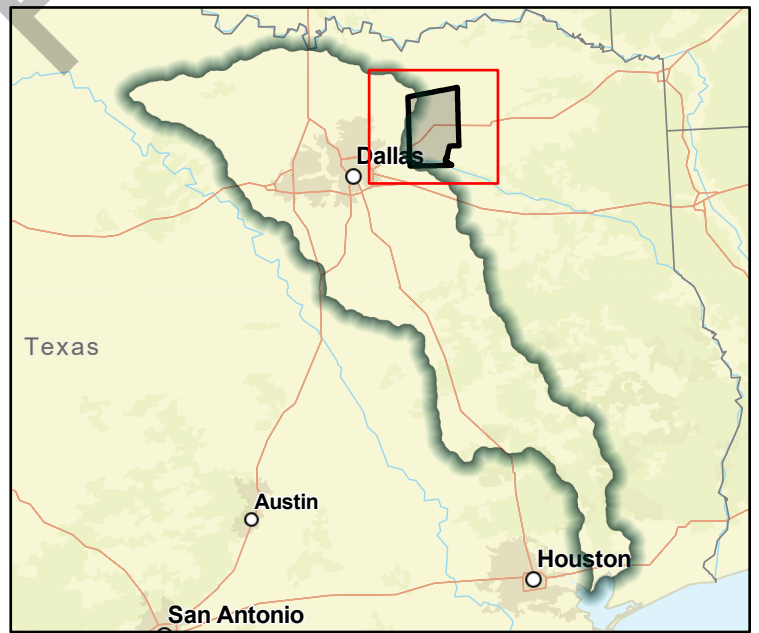
Population at risk 7 # of structures 27 Critical facilities 0
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 2,148 Roadway(s) impacted (length) 4
 Number of low water crossings 0 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$454,000 Amount of Available Funding - Federal funding availability -
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Arlington Johnson Creek - Pioneer Parkway and Collins Street Buyout at Johnson Creek**

ID# **031000466**

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

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Study Details

Study type **Project Planning**

Study description **Property acquisition of ninety-five (95) structures along Collins Street and Division Street. No channel improvements planned.**

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

County **Tarrant** Watershed HUC# (if known) **120301020702**

Drainage area (Square miles, est.) **1** Goal(s) **03000013, 03000014**

100-Year Flood Risk Summary

Population at risk **166** # of structures **25** Critical facilities **0**

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

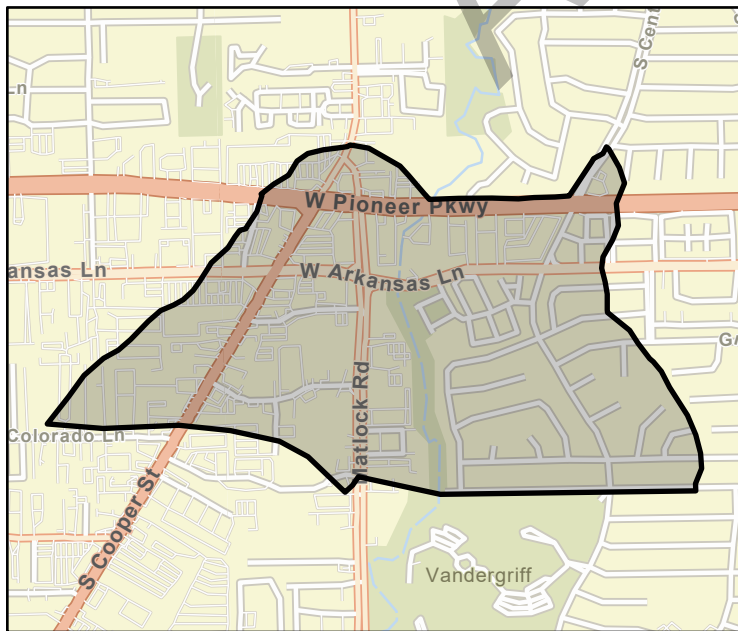
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

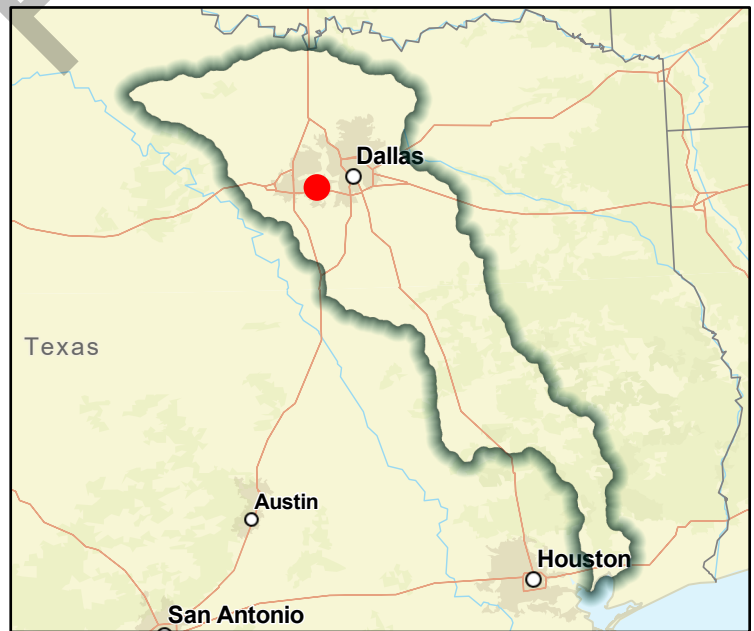
Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Floodplain Evaluation of Kings Branch and Farmers Branch
 ID# 031000467
 Sponsor (name of entity, not person) Westworth Village
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

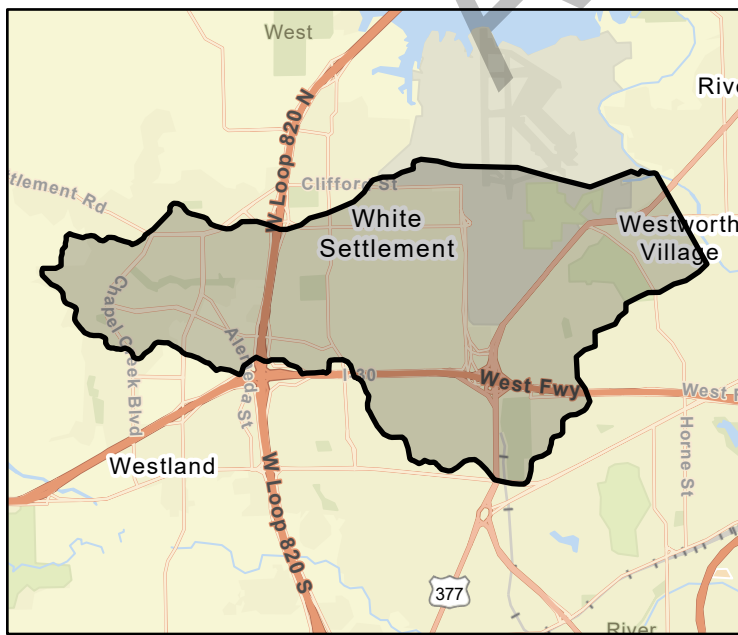
Study type Project Planning
 Study description Flood study to identify areas that will be suitable for an FMP for future floodplain cycles.
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -
 County Tarrant Watershed HUC# (if known) 120301020104,120301020105,120301020306,120301020307
 Drainage area (Square miles, est.) 12 Goal(s) 03000007, 03000008, 03000031, 03000032

100-Year Flood Risk Summary

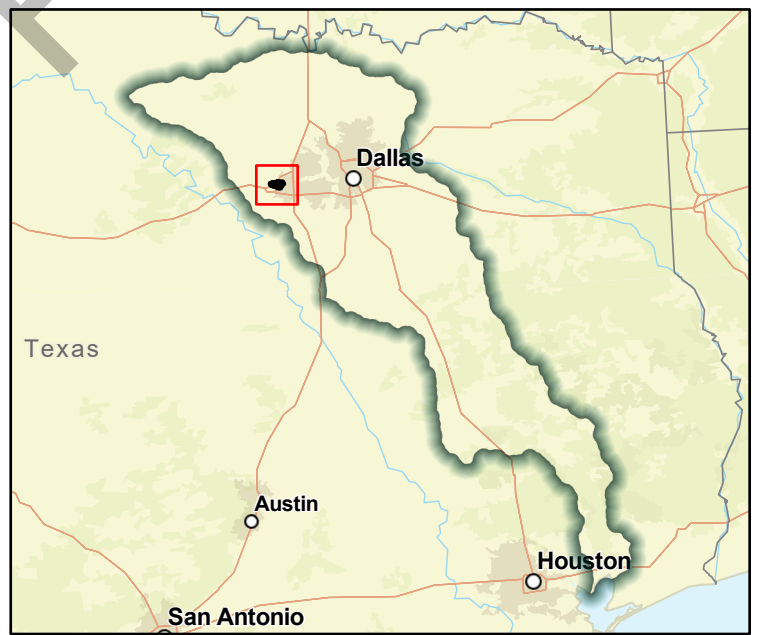
Population at risk 44,396 # of structures 11,323 Critical facilities 1,012
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 444 Roadway(s) impacted (length) 510
 Number of low water crossings 23 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$250,000 Amount of Available Funding - Federal funding availability -
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Wise SWCD Watershed-wide Dam Evaluations**

ID# **031000468**

Sponsor (name of entity, not person) **Wise SWCD**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Study Details

Study type **Other**

Study description **Wise watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.**

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

County **Wise** Watershed HUC# (if known) **-**

Drainage area (Square miles, est.) **920** Goal(s) **03000033, 03000034**

100-Year Flood Risk Summary

Population at risk **3,196** # of structures **1,666** Critical facilities **0**

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

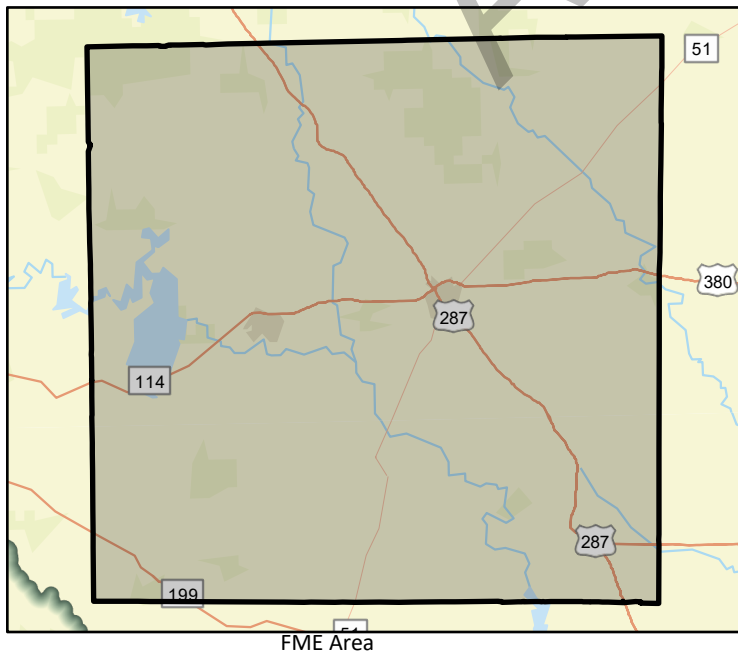
Farm/Ranch land impacted (acres) **64,424** Roadway(s) impacted (length) **100**

Number of low water crossings **16** Historical road closures **-**

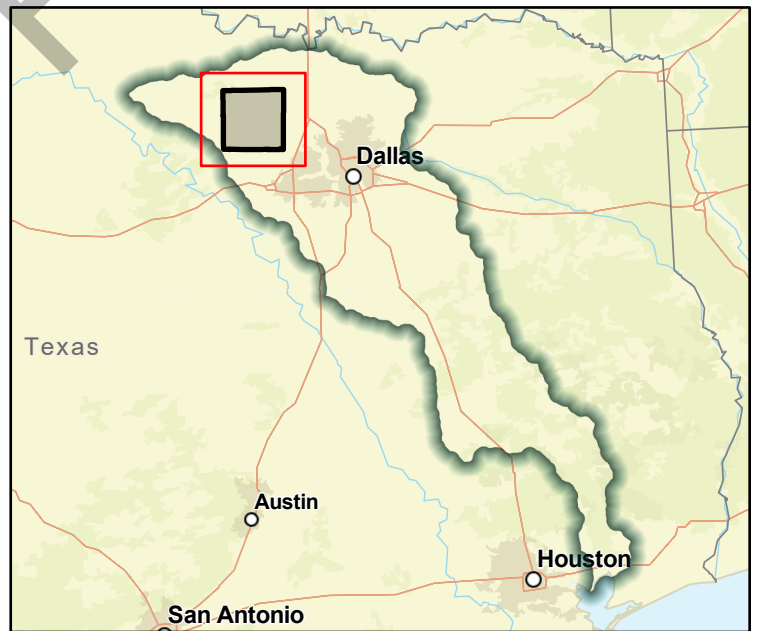
Estimated Cost and Funding Availability

Total Cost **\$678,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Trinity Basin Assessment of Flood Mitigation and Performance of Nature-based Solutions

ID# 031000469

Sponsor (name of entity, not person) The Nature Conservancy (TNC)

RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

Study type Watershed Planning

Study description Analysis of the flood mitigation value of select nature based solutions at varying scales and land use types basin wide.

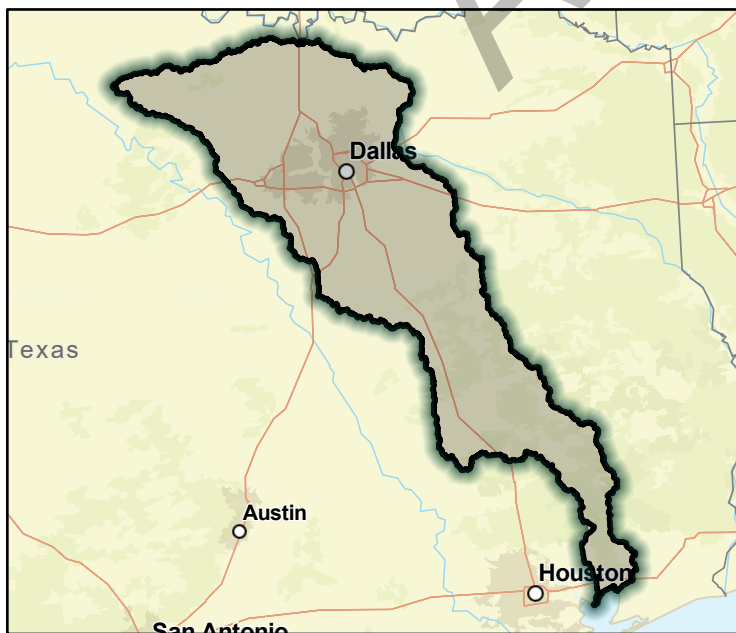
New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -
 County All Watershed HUC# (if known) -
 Drainage area (Square miles, est.) 17,849 Goal(s) 03000007, 03000008

100-Year Flood Risk Summary

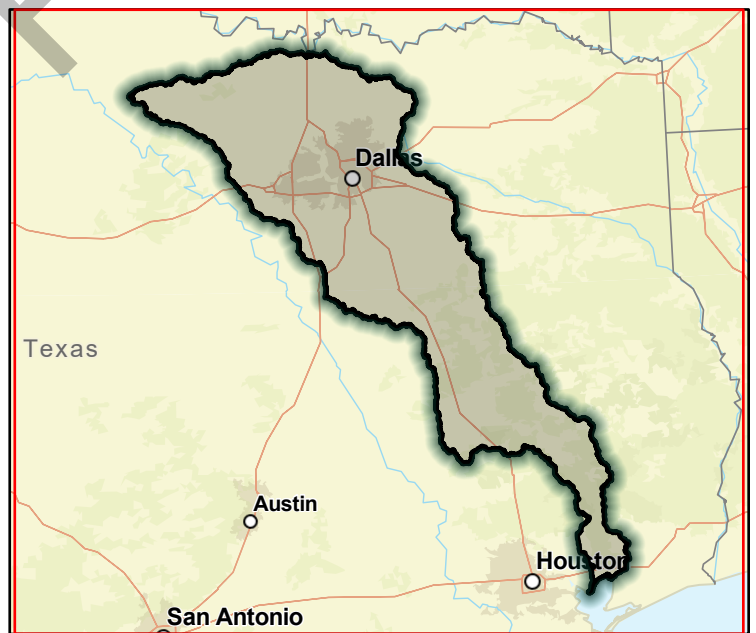
Population at risk 7,854,082 # of structures 2,454,974 Critical facilities 251,531
 Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 5,968,380 Roadway(s) impacted (length) 123,078
 Number of low water crossings 2,415 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$742,000 Amount of Available Funding - Federal funding availability -
 Funding source State, Other



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title City of Normangee Watershed-wide Dam Evaluations

ID# 031000470

Sponsor (name of entity, not person) Normangee

RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

Study type Other

Study description City of Normangee watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.

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

County Madison, Leon Watershed HUC# (if known) 120302020402, 120701030504

Drainage area (Square miles, est.) 1 Goal(s) 03000033, 03000034

100-Year Flood Risk Summary

Population at risk 8 # of structures 21 Critical facilities 0

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

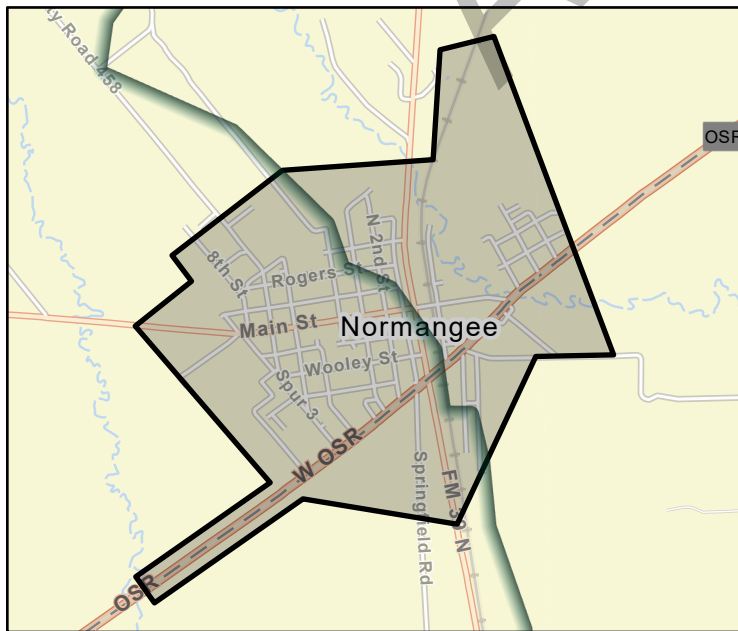
Farm/Ranch land impacted (acres) 23 Roadway(s) impacted (length) 1

Number of low water crossings 0 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$58,000 Amount of Available Funding - Federal funding availability -

Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Tri-City Gully Improvements Study**

ID# **031000471**

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

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Study Details

Study type **Project Planning**

Study description **Study to provide channel modifications to Tri-City Gully to improve conveyance from upstream of FM 2354 to the outfall into Trinity Bay**

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

County **Chambers** Watershed HUC# (if known) **120402030106,120402030200**

Drainage area (Square miles, est.) **1** Goal(s) **03000029, 03000030**

100-Year Flood Risk Summary

Population at risk **25** # of structures **9** Critical facilities **0**

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

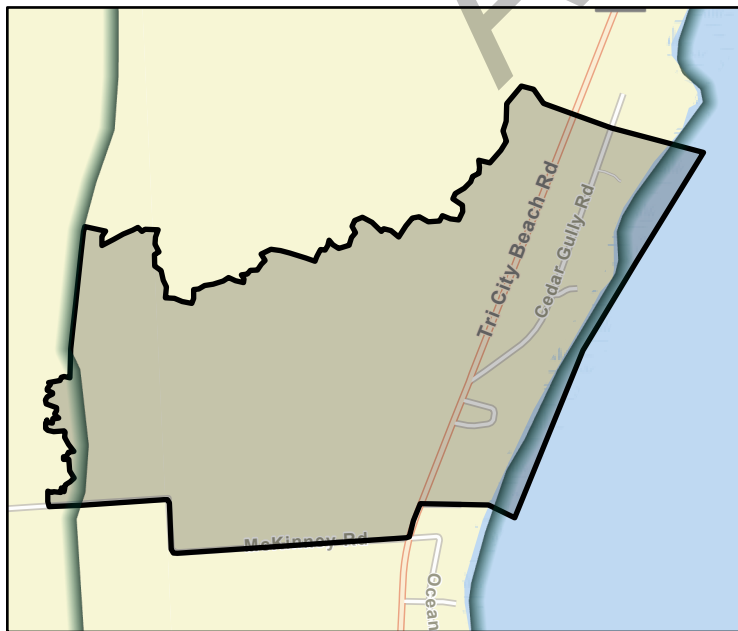
Farm/Ranch land impacted (acres) **41** Roadway(s) impacted (length) **0**

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

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Skylane Gully Improvements Study**

ID# **031000472**

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

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Study Details

Study type **Project Planning**

Study description **Study to provide channel modifications to Skylane Gully to improve conveyance from upstream of FM 2354 to the outfall into Trinity Bay**

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

County **Chambers** Watershed HUC# (if known) **120302030307,120402030106,120402030200**

Drainage area (Square miles, est.) **4** Goal(s) **03000029, 03000030**

100-Year Flood Risk Summary

Population at risk **264** # of structures **114** Critical facilities **0**

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

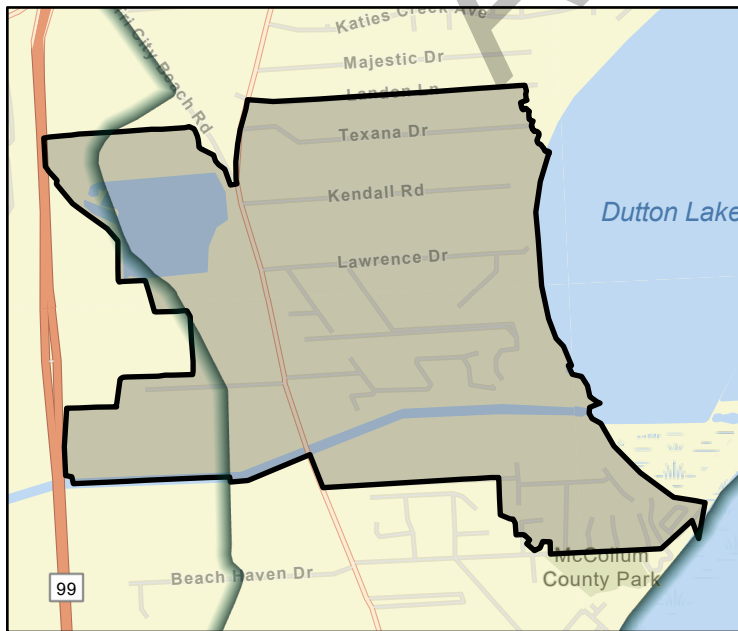
Farm/Ranch land impacted (acres) **133** Roadway(s) impacted (length) **1**

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

Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Point Barrow Gully Improvements Study**

ID# **031000473**

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

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Study Details

Study type **Project Planning**

Study description **Study to provide channel modifications to Point Barrow Gully to improve conveyance from downstream of McCollum Park Road to the outfall into Trinity Bay**

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

County **Chambers** Watershed HUC# (if known) **120302030307,120402030200**

Drainage area (Square miles, est.) **1** Goal(s) **03000029, 03000030**

100-Year Flood Risk Summary

Population at risk **93** # of structures **45** Critical facilities **0**

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

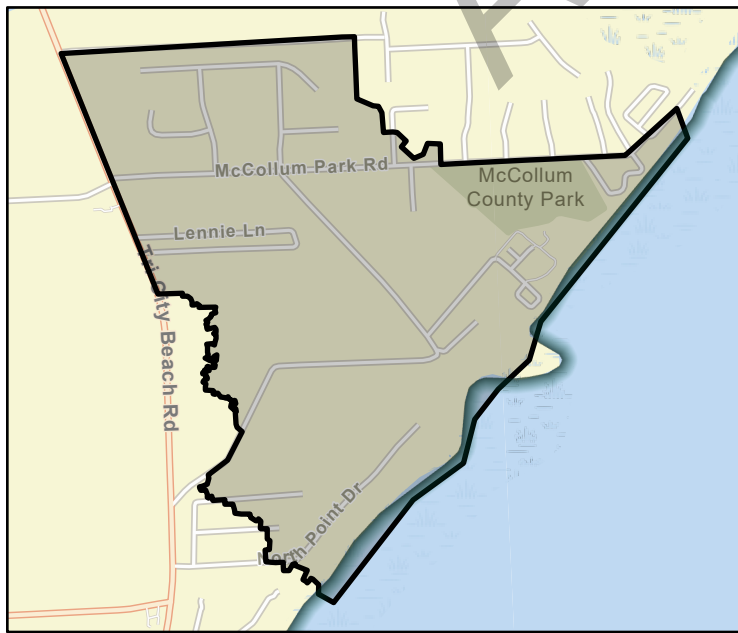
Farm/Ranch land impacted (acres) **58** Roadway(s) impacted (length) **0**

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

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Cedar Gully Improvements Study

ID# 031000474

Sponsor (name of entity, not person) Chambers County

RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

Study type Project Planning

Study description Study to provide channel modifications to Cedar Gully upstream of FM 2354 to improve conveyance to outfall into Trinity Bay

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

County Chambers Watershed HUC# (if known) 120302030307,120402030106,120402030200

Drainage area (Square miles, est.) 4 Goal(s) 03000029, 03000030

100-Year Flood Risk Summary

Population at risk 47 # of structures 20 Critical facilities 0

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

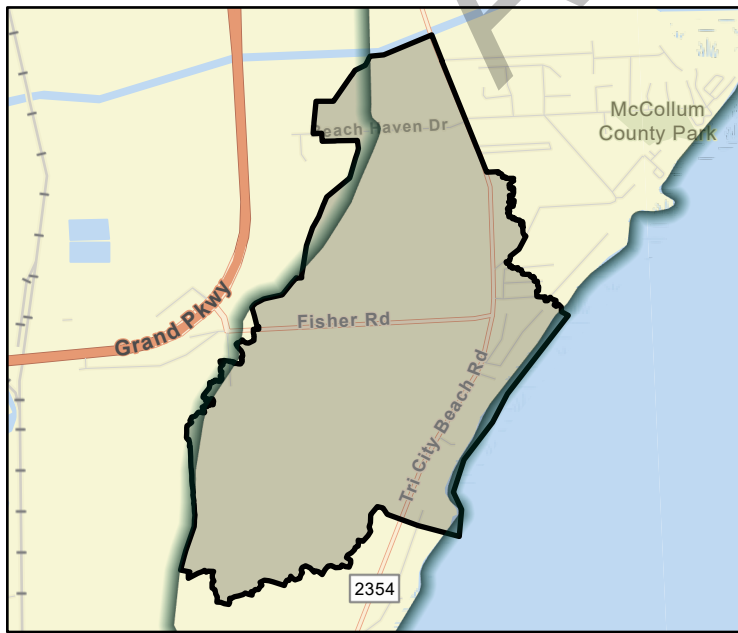
Farm/Ranch land impacted (acres) 30 Roadway(s) impacted (length) 0

Number of low water crossings 0 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$150,000 Amount of Available Funding - Federal funding availability -

Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Hackberry Gully Improvements Study
 ID# 031000475
 Sponsor (name of entity, not person) Chambers County
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

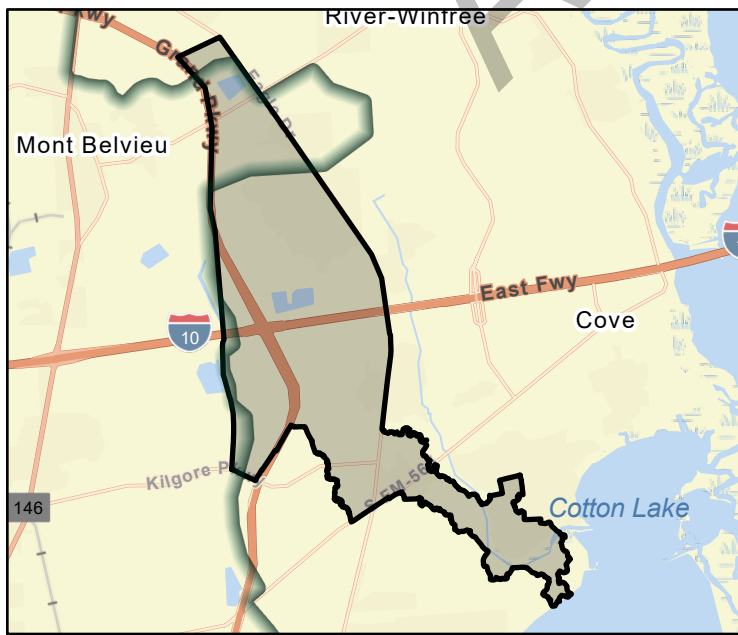
Study type Project Planning
 Study description Study to implement either diversion, detention or channel modifications to Hackberry Gully to improve conveyance from downstream of IH-10 to confluence with Cotton Bayou
 New Hydrologic or Hydraulic model? - Emergency Need? No Existing/Anticipated models in near term? -
 County Chambers Watershed HUC# (if known) 120302030304,120302030306,120302030307,120402030105,120402030
 Drainage area (Square miles, est.) 6 Goal(s) 03000029, 03000030

100-Year Flood Risk Summary

Population at risk 339 # of structures 248 Critical facilities 0
 Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 257 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 - Federal funding availability -
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Spring Creek Gully Improvements Study**

ID# **031000476**

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

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Study Details

Study type **Project Planning**

Study description **Assessment of implementation of detention, conveyance improvements, or a diversion for Spring Creek**

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

County **Chambers** Watershed HUC# (if known) **120302030307**

Drainage area (Square miles, est.) **1** Goal(s) **03000029, 03000030**

100-Year Flood Risk Summary

Population at risk **21** # of structures **17** Critical facilities **0**

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

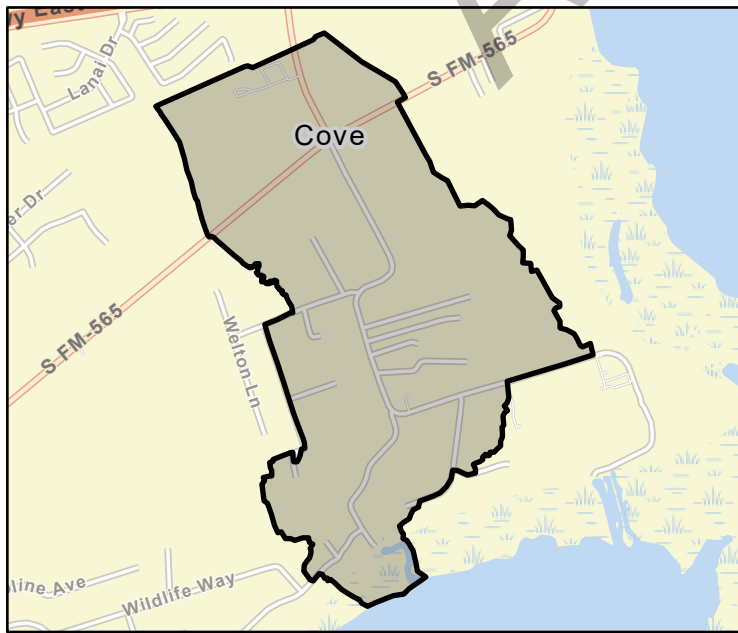
Farm/Ranch land impacted (acres) **23** Roadway(s) impacted (length) **0**

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

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **Local, State**



FME Area



Regional view of FME area