

Flood Management Evaluation (FME)



Title **Stuart Branch Stabilization**

ID# **031000254**

Sponsor (name of entity, not person) **Grand Prairie**

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

Study Details

Study type **Project Planning**

Study description **from 460 feet north of Sanctuary Drive and 350 feet northeast of Nature Court cul-de-sac to Joe Pool Lake (future with development); Estimated construction cost of \$349,700**

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

County **Dallas** Watershed HUC# (if known) **120301020603,120301050301,120301090301**

Drainage area (Square miles, est.) **6** Goal(s) **03000031, 03000032**

100-Year Flood Risk Summary

Population at risk **27** # of structures **9** Critical facilities **0**

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

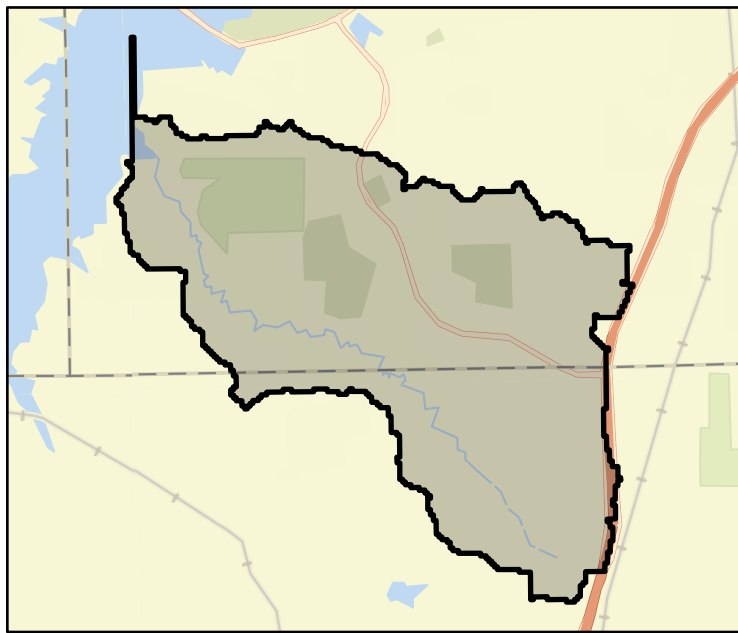
Farm/Ranch land impacted (acres) **21** Roadway(s) impacted (length) **1**

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

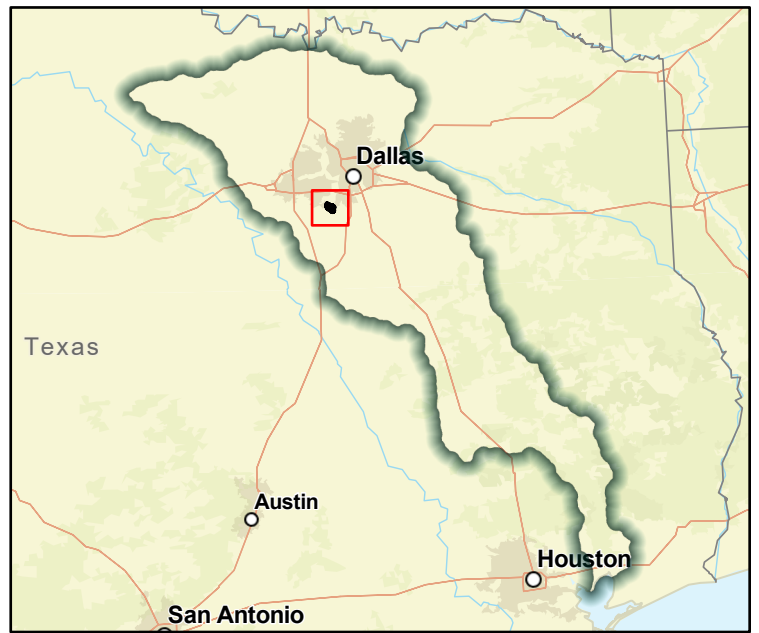
Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **25,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Swadley Branch Stabilization**

ID# **031000255**

Sponsor (name of entity, not person) **Grand Prairie**

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

Study Details

Study type **Project Planning**

Study description **from 2200 feet south of Koscher Drive to Joe Pool Lake (future with development); Estimated construction cost of \$286,800**

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

County **Dallas** Watershed HUC# (if known) **120301020603,120301020605**

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

100-Year Flood Risk Summary

Population at risk **4** # of structures **3** Critical facilities **0**

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

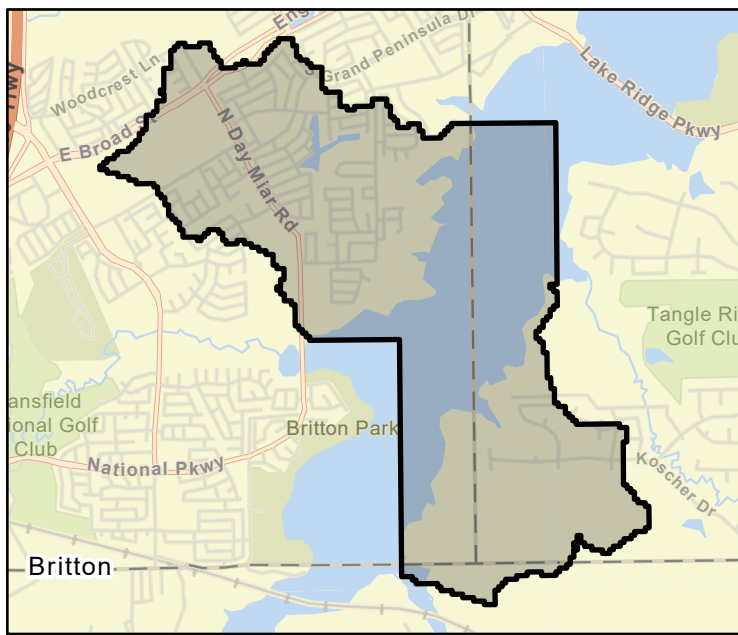
Farm/Ranch land impacted (acres) **124** Roadway(s) impacted (length) **0**

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

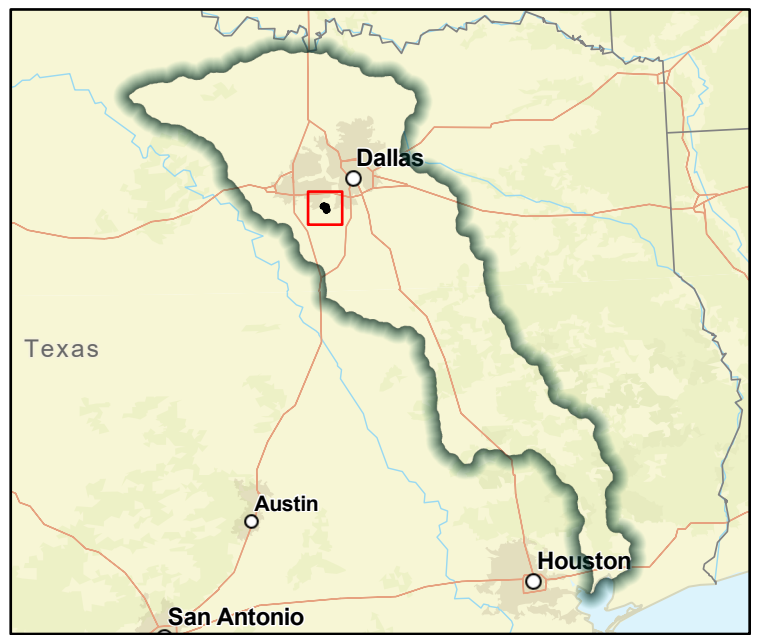
Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **25,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Mills Branch Stabilization**

ID# **031000256**

Sponsor (name of entity, not person) **Grand Prairie**

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

Study Details

Study type **Project Planning**

Study description **from 880 feet south of South Periwinkle Court cul-de-sac to Joe Pool Lake (future with development); Estimated construction cost of \$599,300**

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

County **Dallas** Watershed HUC# (if known) **120301020603,120301020605**

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

100-Year Flood Risk Summary

Population at risk **4** # of structures **3** Critical facilities **0**

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

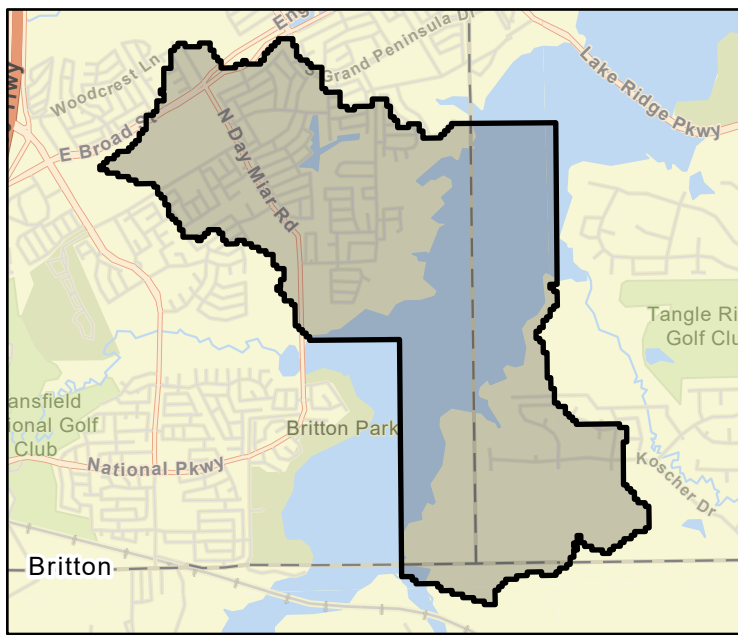
Farm/Ranch land impacted (acres) **124** Roadway(s) impacted (length) **0**

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

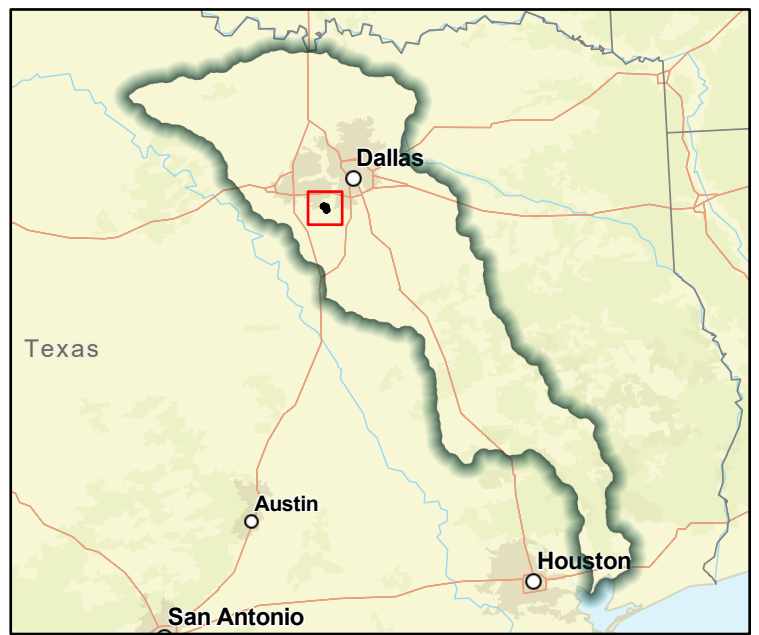
Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **25,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Tarrell Creek Stabilization**

ID# **031000257**

Sponsor (name of entity, not person) **Grand Prairie**

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

Study Details

Study type **Project Planning**

Study description **from a Stream Point 2420 feet south of South Periwinkle Court cul-de-sac and 800 feet east of South Periwinkle Court cul-de-sac to Joe Pool Lake (future with development); Estimated construction cost of \$747,200**

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

County **Dallas** Watershed HUC# (if known) **120301020603,120301020605**

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

100-Year Flood Risk Summary

Population at risk **4** # of structures **3** Critical facilities **0**

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

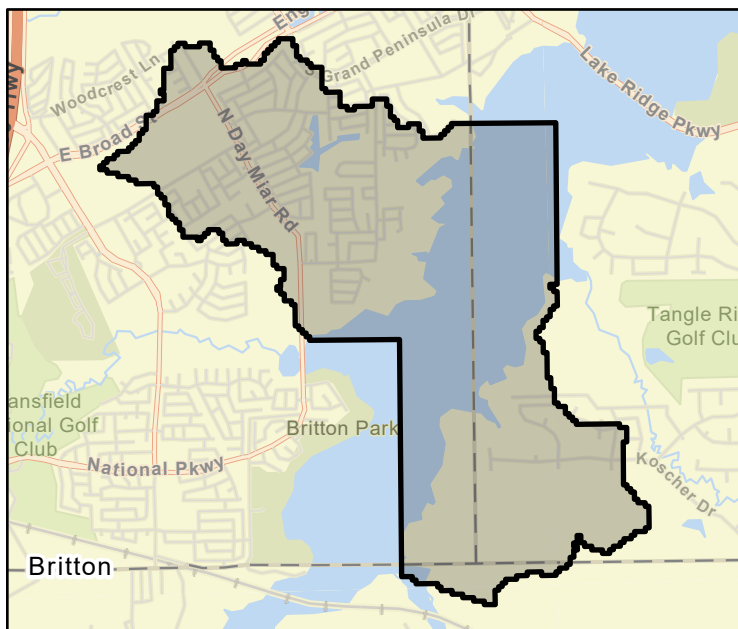
Farm/Ranch land impacted (acres) **124** Roadway(s) impacted (length) **0**

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

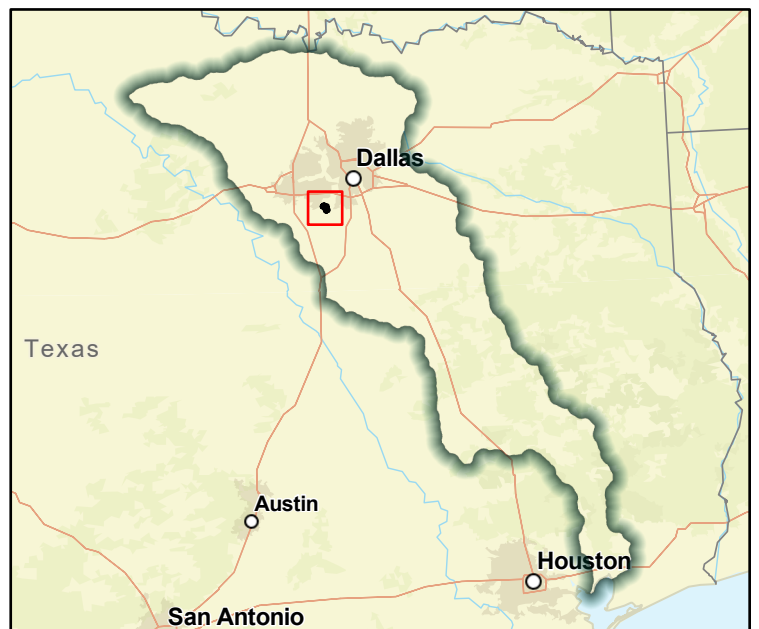
Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **25,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Jackson Meadows Pond Erosion Control**

ID# **031000258**

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

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

Study Details

Study type **Project Planning**

Study description **Erosion control measures around three pond headwalls to decrease flow velocity.**

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

County **Collin, Dallas** Watershed HUC# (if known) **120301060408,120301060403**

Drainage area (Square miles, est.) **6** Goal(s) **03000031, 03000032**

100-Year Flood Risk Summary

Population at risk **171** # of structures **59** Critical facilities **0**

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

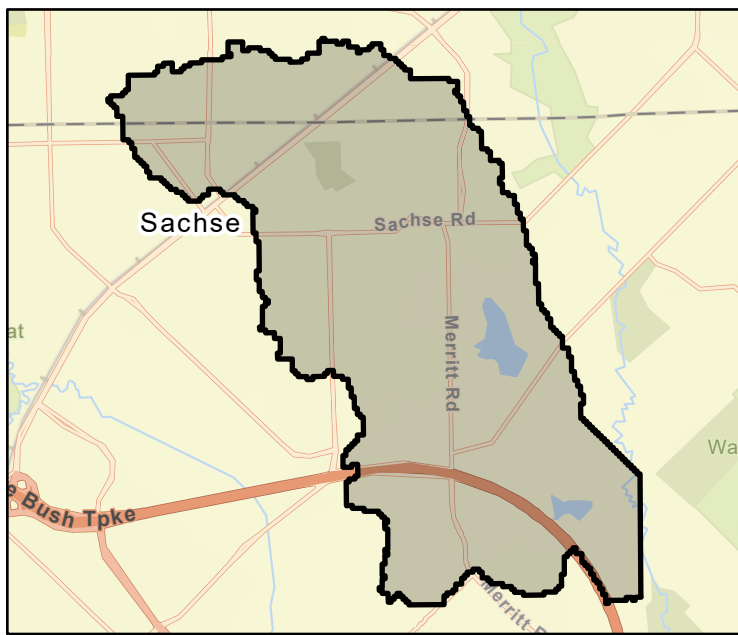
Farm/Ranch land impacted (acres) **211** Roadway(s) impacted (length) **2**

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

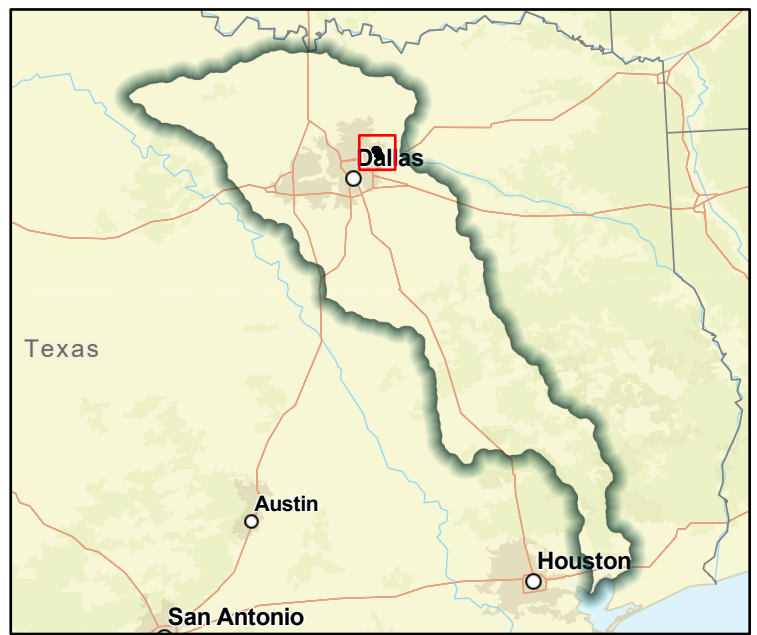
Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **10,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Long Branch Channel Improvements (Dewitt to Ingram)

ID# 031000259

Sponsor (name of entity, not person) Sachse

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

Study Details

Study type Project Planning

Study description Channel improvements to replace a failed headwall and reduce erosive velocities. Sewer line relocation to protect against potential failure due to erosion.

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

County Collin, Dallas Watershed HUC# (if known) 120301060408,120301060403

Drainage area (Square miles, est.) 6 Goal(s) 03000031, 03000032

100-Year Flood Risk Summary

Population at risk 171 # of structures 59 Critical facilities 0

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

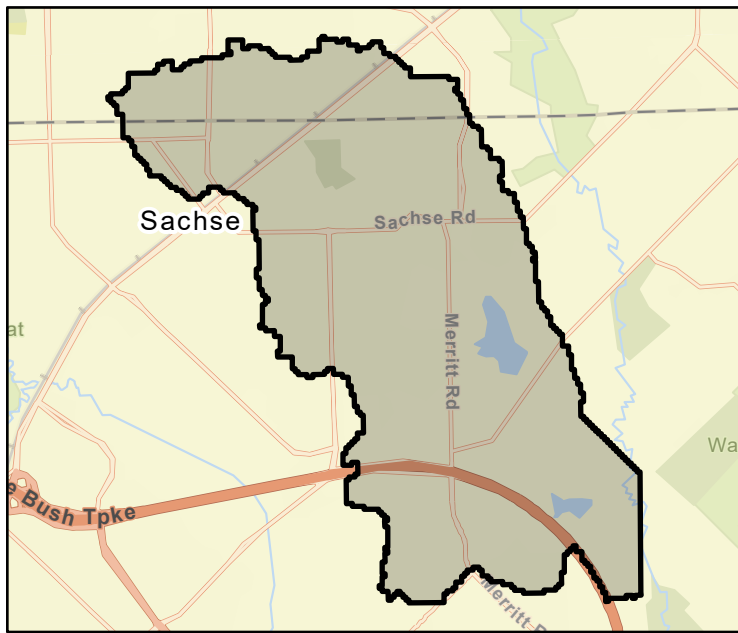
Farm/Ranch land impacted (acres) 211 Roadway(s) impacted (length) 2

Number of low water crossings 5 Historical road closures -

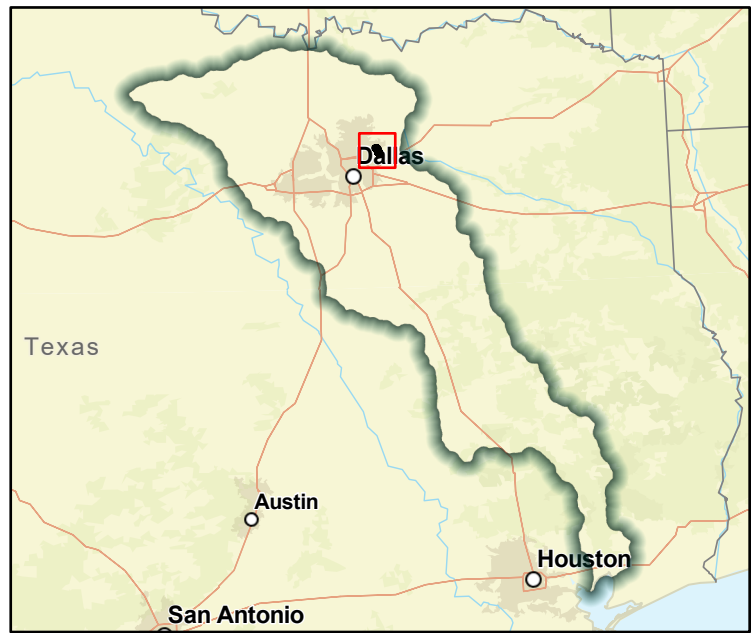
Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding 10,000 Federal funding availability Yes

Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **North Colony Blvd. at Powers Street**

ID# **031000260**

Sponsor (name of entity, not person) **The Colony**

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

Study Details

Study type **Project Planning**

Study description **Streams SC-1A Drainage Study and storm drain upgrades to deal with flooding**

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

County **Denton** Watershed HUC# (if known) **120301030906,120301031003**

Drainage area (Square miles, est.) **3** Goal(s) **03000005, 03000006, 03000007, 03000008, 03000009, 03000010**

100-Year Flood Risk Summary

Population at risk **26** # of structures **7** Critical facilities **1**

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

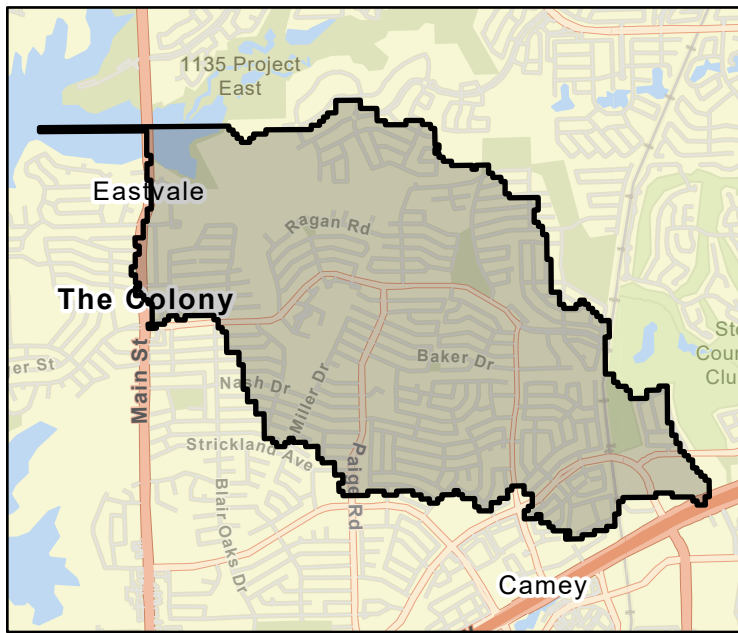
Farm/Ranch land impacted (acres) **10** Roadway(s) impacted (length) **0**

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

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **10,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Office Creek Drainage Study

ID# 031000261

Sponsor (name of entity, not person) The Colony

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

Study Details

Study type Project Planning

Study description Update Drainage Study and Improvements at Five Star Park

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

County Denton Watershed HUC# (if known) 120301030906,120301031003,120301031001

Drainage area (Square miles, est.) 2 Goal(s) 03000005, 03000006, 03000007, 03000008, 03000009, 03000010

100-Year Flood Risk Summary

Population at risk 4 # of structures 1 Critical facilities 0

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

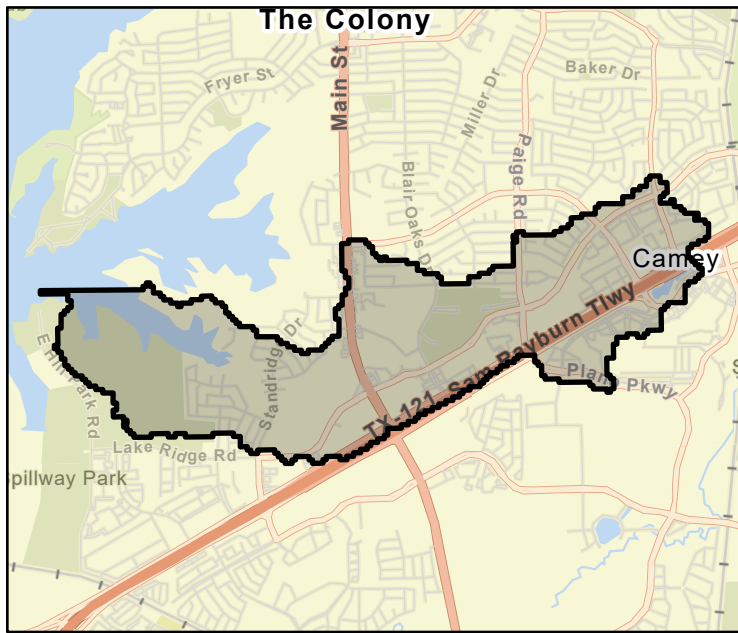
Farm/Ranch land impacted (acres) 23 Roadway(s) impacted (length) 0

Number of low water crossings 0 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding 10,000 Federal funding availability Yes

Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Bill Allen Park Erosion Study**

ID# **031000262**

Sponsor (name of entity, not person) **The Colony**

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

Study Details

Study type **Project Planning**

Study description **Evaluate erosion control measures at Blair Oaks Drive to Good Shepherd Lutheran Church.**

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

County **Denton** Watershed HUC# (if known) **120301030906,120301031003,120301031001**

Drainage area (Square miles, est.) **5** Goal(s) **03000031, 03000032**

100-Year Flood Risk Summary

Population at risk **12** # of structures **3** Critical facilities **1**

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

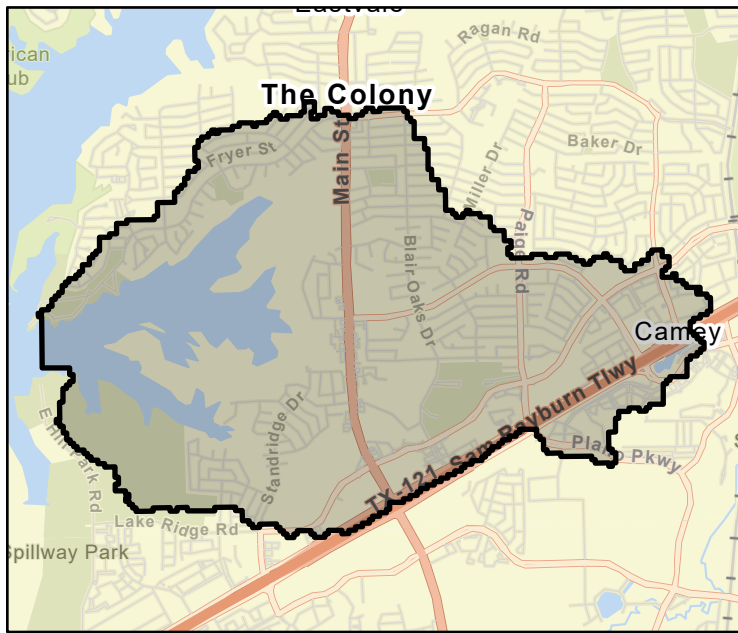
Farm/Ranch land impacted (acres) **167** Roadway(s) impacted (length) **1**

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

Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **10,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Johnson County Low Water Crossings - East Side
 ID# 031000263
 Sponsor (name of entity, not person) Johnson County
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

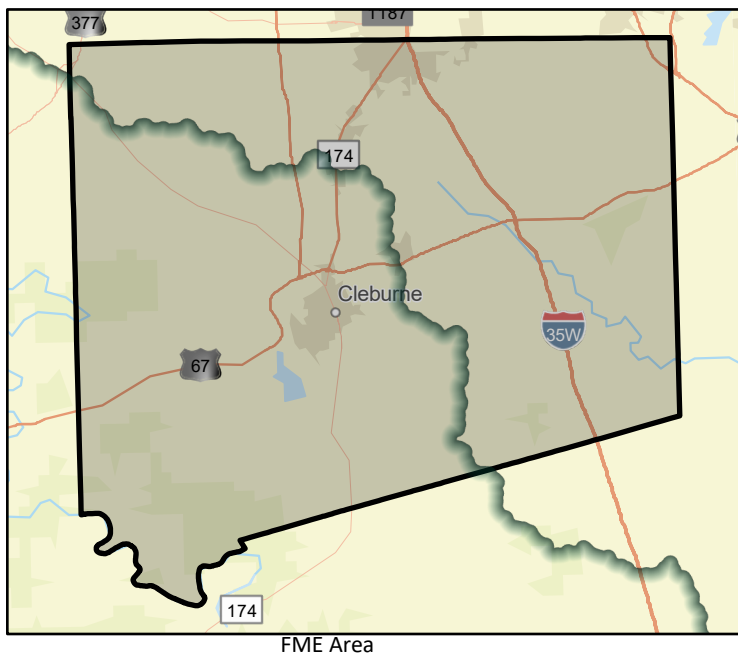
Study type Project Planning
 Study description Hydraulic evaluation to determine how to reduce flooding risk at multiple low water crossings.
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes
 County Johnson Watershed HUC# (if known) 120301020704,120301020505,120301020701
 Drainage area (Square miles, est.) 731 Goal(s) 03000003, 03000004, 03000009, 03000010

100-Year Flood Risk Summary

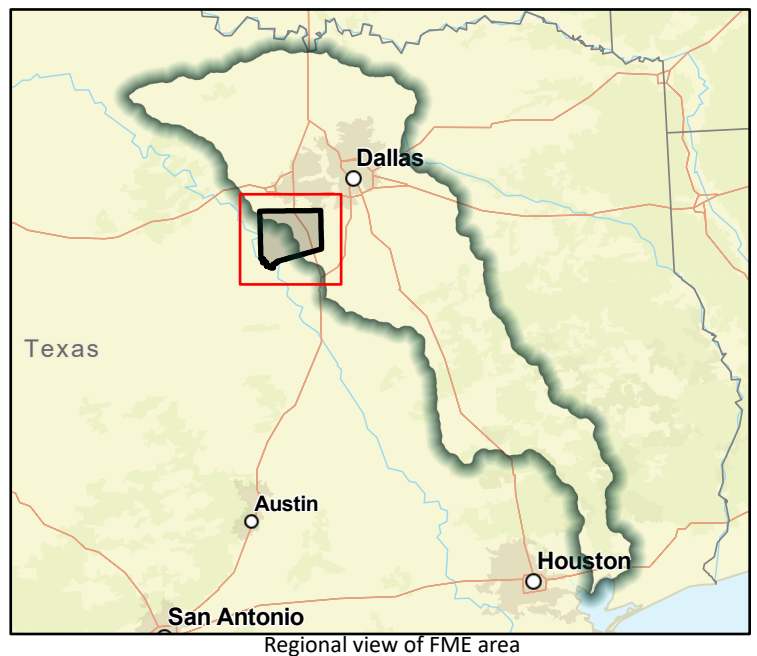
Population at risk 4,897 # of structures 1,851 Critical facilities 12
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 18,203 Roadway(s) impacted (length) 62
 Number of low water crossings 372 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$250,000 Amount of Available Funding 0 Federal funding availability Yes
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Johnson County Low Water Crossings - West Side
 ID# 031000264
 Sponsor (name of entity, not person) Johnson County
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

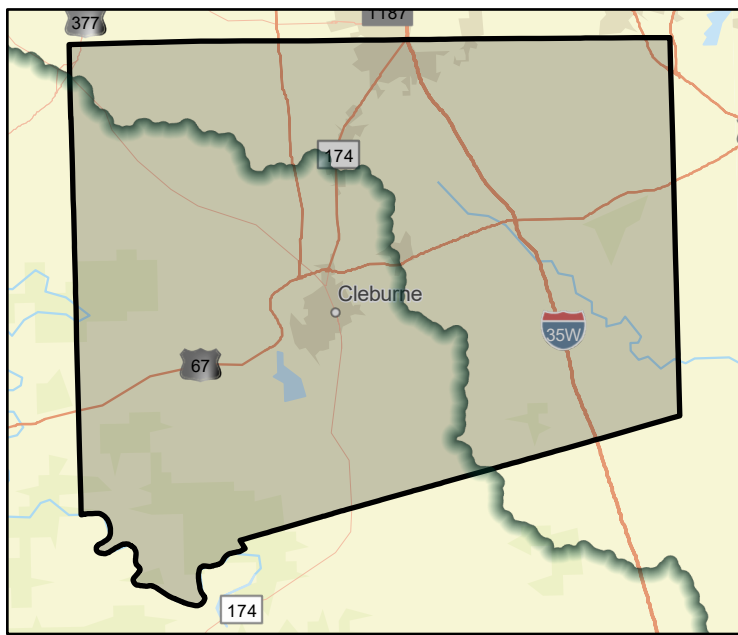
Study type Project Planning
 Study description Hydraulic evaluation to determine how to reduce flooding risk at multiple low water crossings.
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes
 County Johnson Watershed HUC# (if known) 120301020704,120301020505,120301020701
 Drainage area (Square miles, est.) 731 Goal(s) 03000003, 03000004, 03000009, 03000010

100-Year Flood Risk Summary

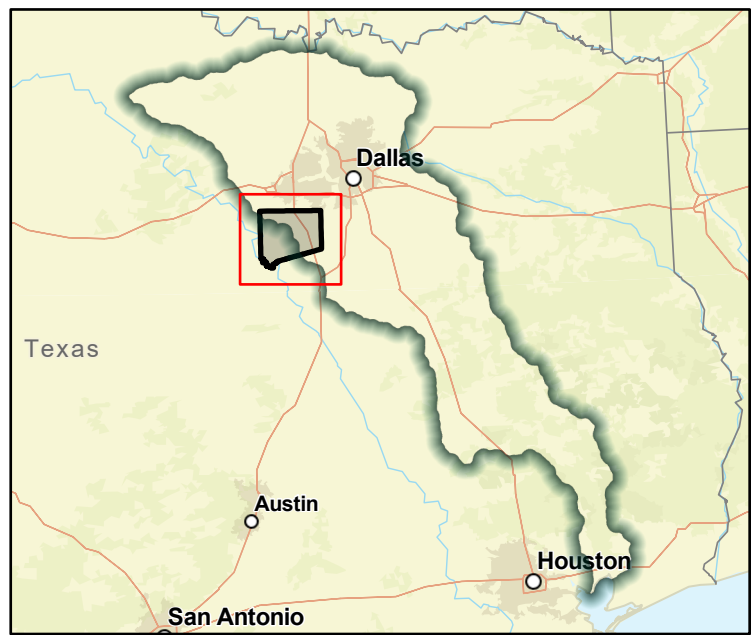
Population at risk 4,897 # of structures 1,851 Critical facilities 12
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 18,203 Roadway(s) impacted (length) 62
 Number of low water crossings 372 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$250,000 Amount of Available Funding 0 Federal funding availability Yes
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Tributary SB-1: Circle Lane Culvert Improvements
 ID# 031000265
 Sponsor (name of entity, not person) Bedford
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

Study type Project Planning
 Study description Evaluate and define necessary culvert improvements.

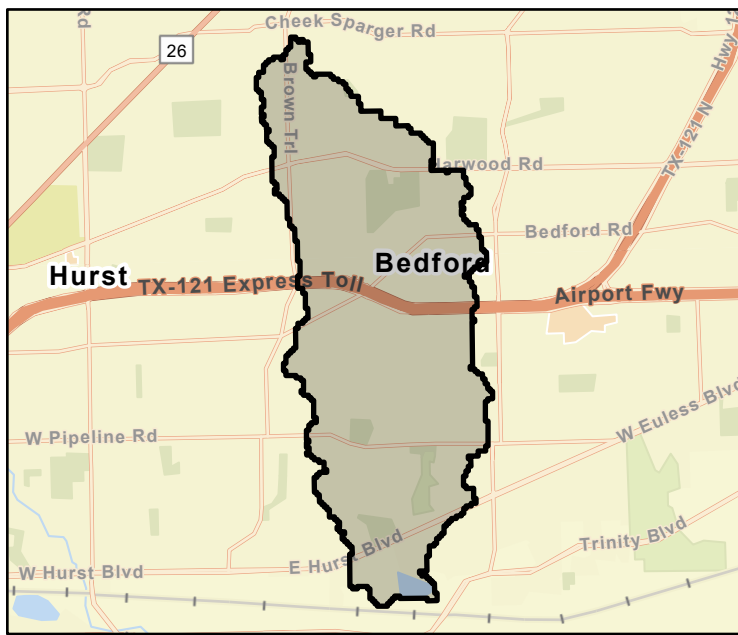
New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes
 County Tarrant Watershed HUC# (if known) 120301020704,120301020505,120301020701
 Drainage area (Square miles, est.) 5 Goal(s) 03000003, 03000004, 03000009, 03000010, 03000031, 03000032

100-Year Flood Risk Summary

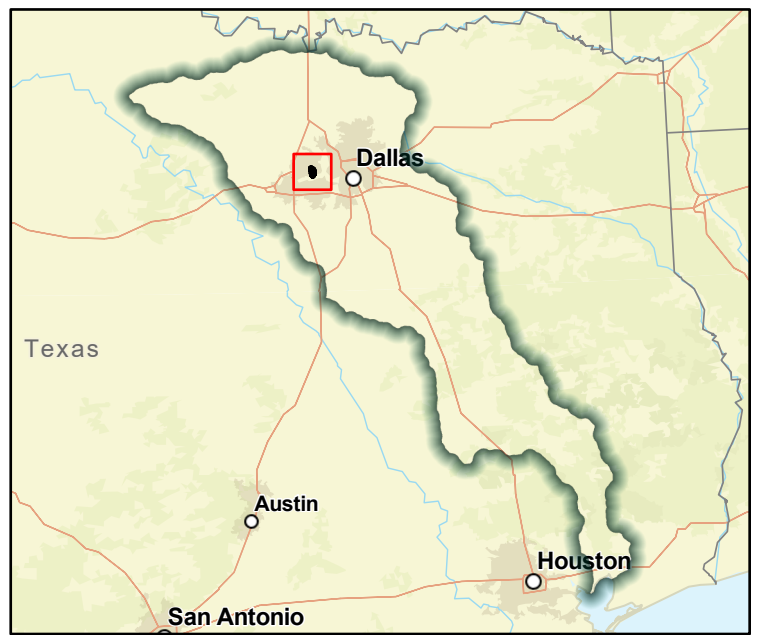
Population at risk 1,152 # of structures 148 Critical facilities 0
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 3 Roadway(s) impacted (length) 3
 Number of low water crossings 1 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$150,000 Amount of Available Funding 15,000 Federal funding availability Yes
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Sulphur Branch: Circle Lane Culvert Improvements
 ID# 031000270
 Sponsor (name of entity, not person) Bedford
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

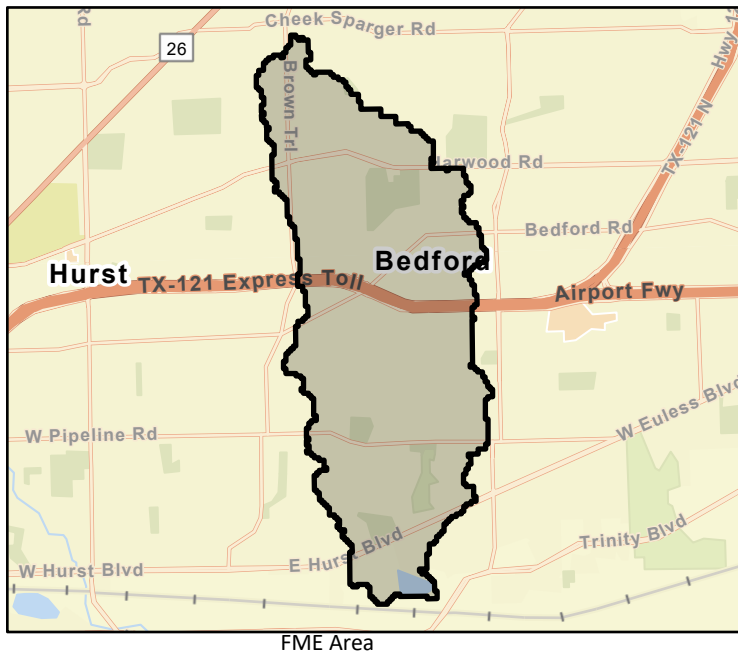
Study type Project Planning
 Study description Evaluate and define necessary culvert improvements.
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes
 County Tarrant Watershed HUC# (if known) 120301020704,120301020505,120301020701
 Drainage area (Square miles, est.) 5 Goal(s) 03000003, 03000004, 03000009, 03000010, 03000031, 03000032

100-Year Flood Risk Summary

Population at risk 1,152 # of structures 148 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 1 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$150,000 Amount of Available Funding 15,000 Federal funding availability Yes
 Funding source Local, State



Flood Management Evaluation (FME)



Title **Fairfield South Bateman Drainage Study**

ID# **031000272**

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

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

Study Details

Study type **Project Planning**

Study description **Fairfield South Bateman Drainage Study**

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

County **Freestone** Watershed HUC# (if known) **120302010109,120302010107,120302010601**

Drainage area (Square miles, est.) **9** Goal(s) **03000005, 03000006**

100-Year Flood Risk Summary

Population at risk **64** # of structures **41** Critical facilities **1**

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

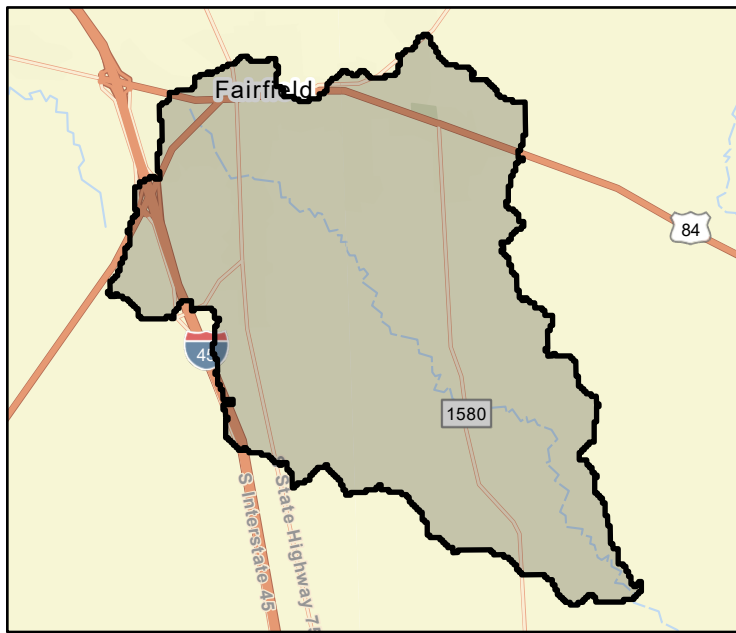
Farm/Ranch land impacted (acres) **411** Roadway(s) impacted (length) **2**

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

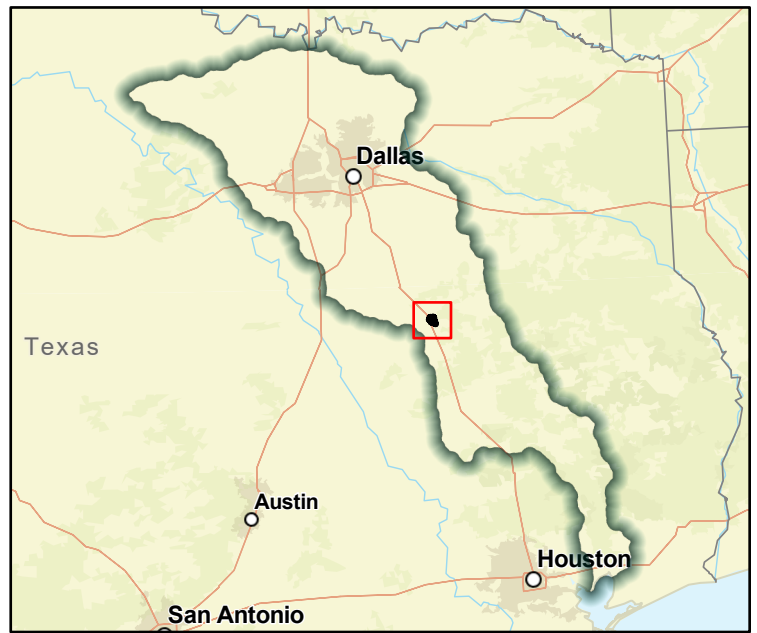
Estimated Cost and Funding Availability

Total Cost **\$200,000** Amount of Available Funding **20,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Plano DMP**

ID# **031000273**

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

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

Study Details

Study type **Watershed Planning**

Study description **Evaluate alternatives for citywide drainage improvements for areas with history of flooding.**

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

County **Collin** Watershed HUC# (if known) **120301060404,120301060406,120301030906,120301060407,120301031**

Drainage area (Square miles, est.) **72** Goal(s) **03000031, 03000032**

100-Year Flood Risk Summary

Population at risk **5,528** # of structures **381** Critical facilities **9**

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

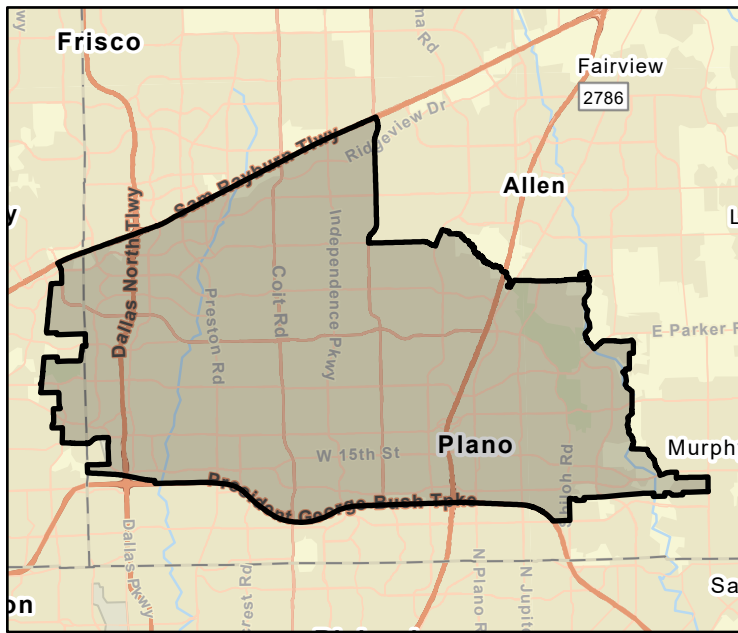
Farm/Ranch land impacted (acres) **695** Roadway(s) impacted (length) **18**

Number of low water crossings **24** Historical road closures **-**

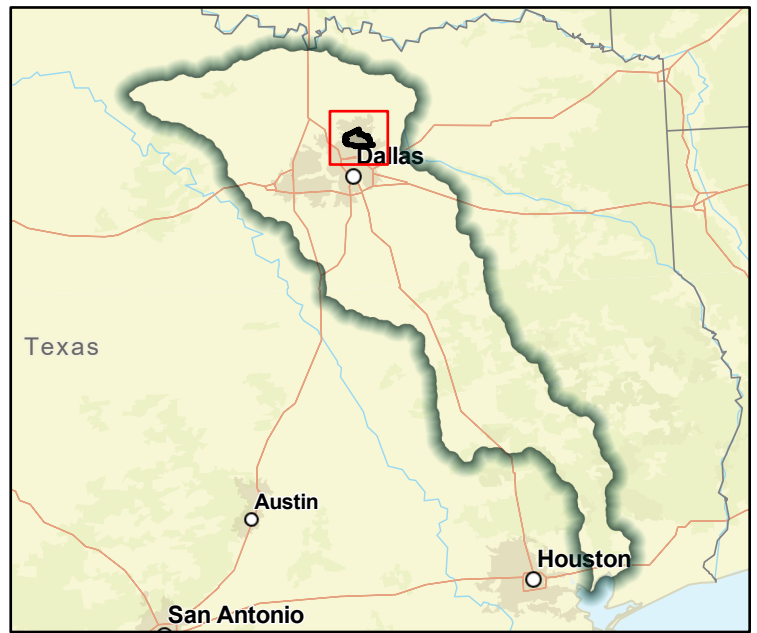
Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **25,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Collin County flooding hazard/vulnerability assessment**

ID# **031000274**

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

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

Study Details

Study type **Preparedness**

Study description **Conduct a hazard/vulnerability assessment for personal properties and structures located in the floodplain.**

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

County **Collin** Watershed HUC# (if known) **120301020606,120301020607**

Drainage area (Square miles, est.) **883** Goal(s) **03000013, 03000014**

100-Year Flood Risk Summary

Population at risk **17,576** # of structures **2,842** Critical facilities **26**

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

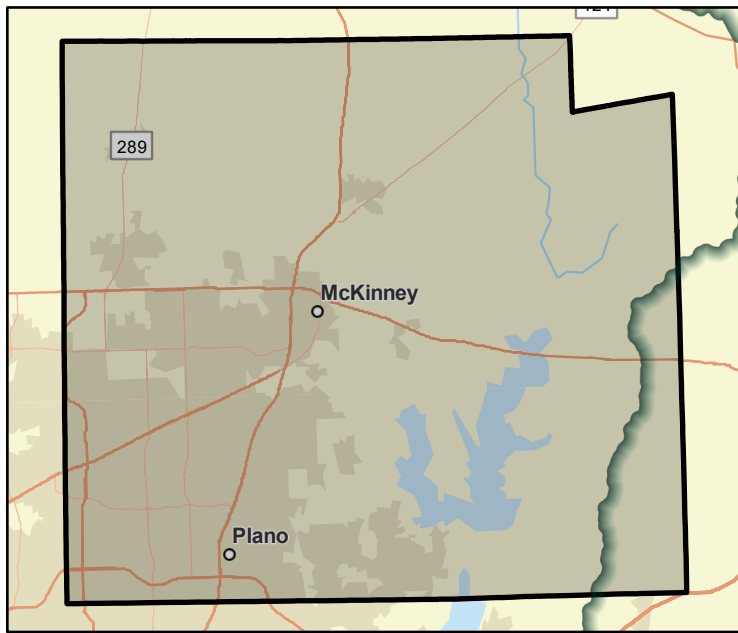
Farm/Ranch land impacted (acres) **34,154** Roadway(s) impacted (length) **146**

Number of low water crossings **55** Historical road closures **-**

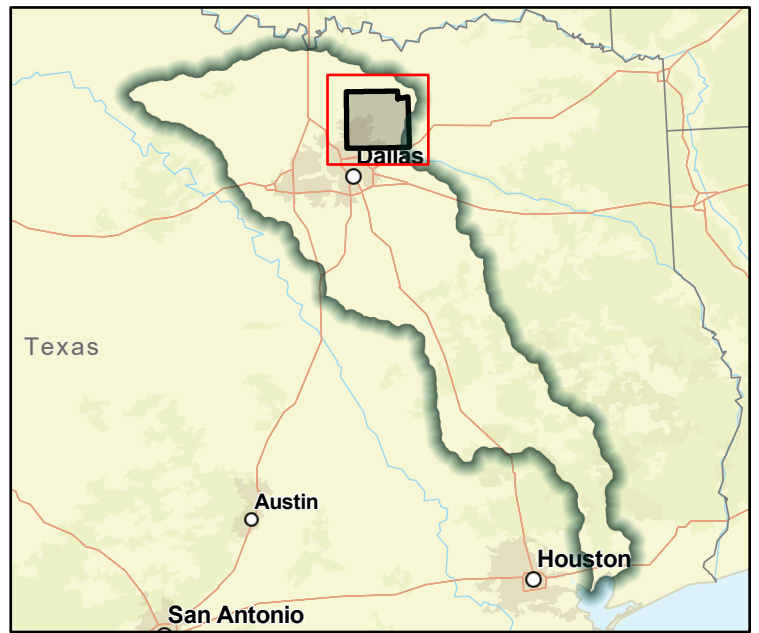
Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **50,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Houston County Lake Dam Emergency Action Plan**

ID# **031000275**

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

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

Study Details

Study type **Preparedness**

Study description **Develop Emergency Action Plan for Houston County Lake Dam**

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

County **Houston** Watershed HUC# (if known) **120301020606,120301020607**

Drainage area (Square miles, est.) **1,232** Goal(s) **03000001, 03000002**

100-Year Flood Risk Summary

Population at risk **711** # of structures **737** Critical facilities **5**

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

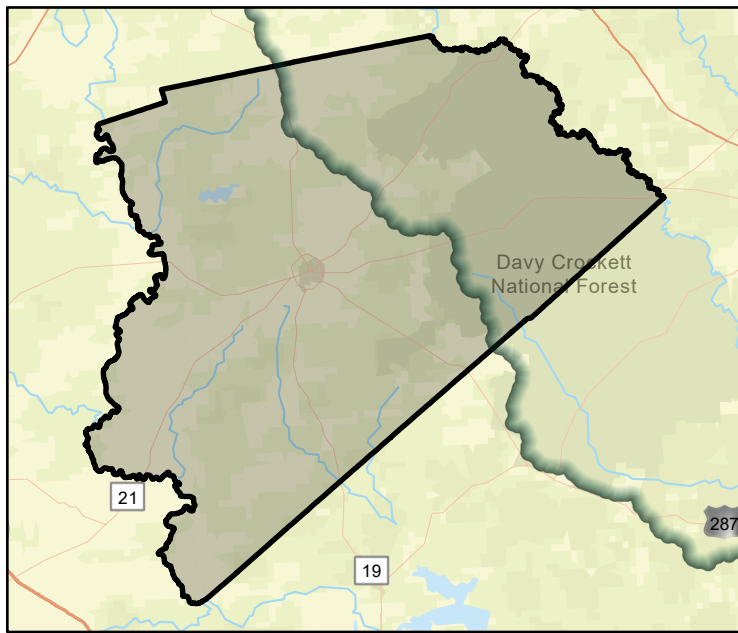
Farm/Ranch land impacted (acres) **79,761** Roadway(s) impacted (length) **110**

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

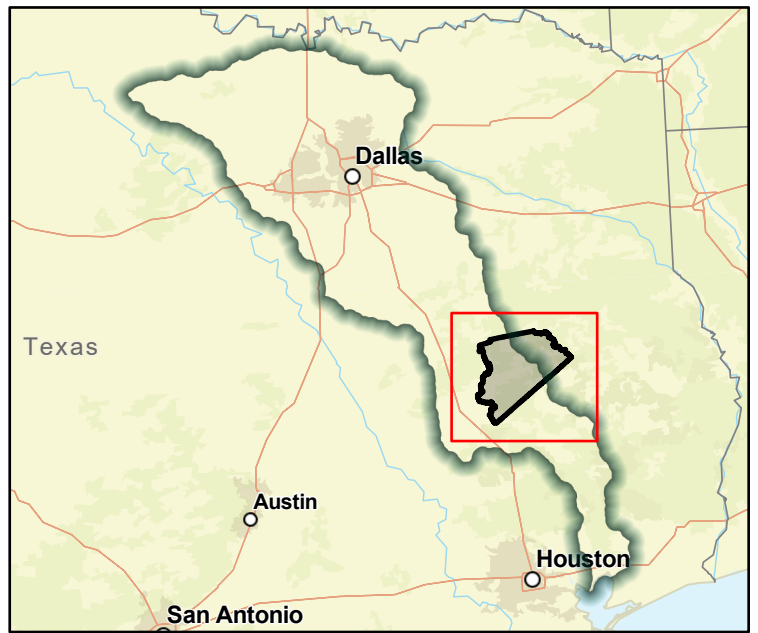
Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **100,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Grayson County Dams Compliance Assessment**

ID# **031000276**

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

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

Study Details

Study type **Preparedness**

Study description **Determine owners of all high and significant hazard dams and obtain copies of all EAPs. Obtain available dam failure impact data necessary for determining most appropriate mitigation approach that would achieve compliance with the State's TCEQ regulations**

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

County **Grayson** Watershed HUC# (if known) **120301020606,120301020607**

Drainage area (Square miles, est.) **976** Goal(s) **03000001, 03000002, 03000029, 03000030, 03000039, 03000040**

100-Year Flood Risk Summary

Population at risk **541** # of structures **436** Critical facilities **5**

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

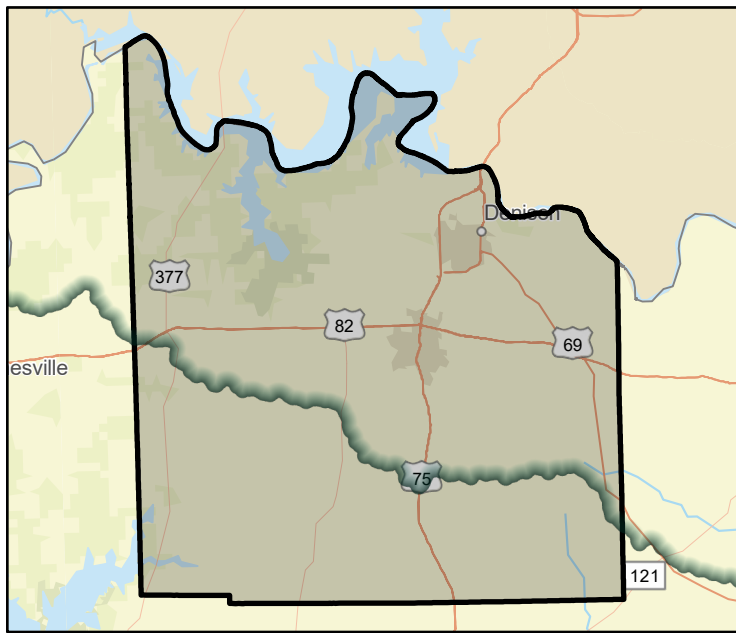
Farm/Ranch land impacted (acres) **21,312** Roadway(s) impacted (length) **43**

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

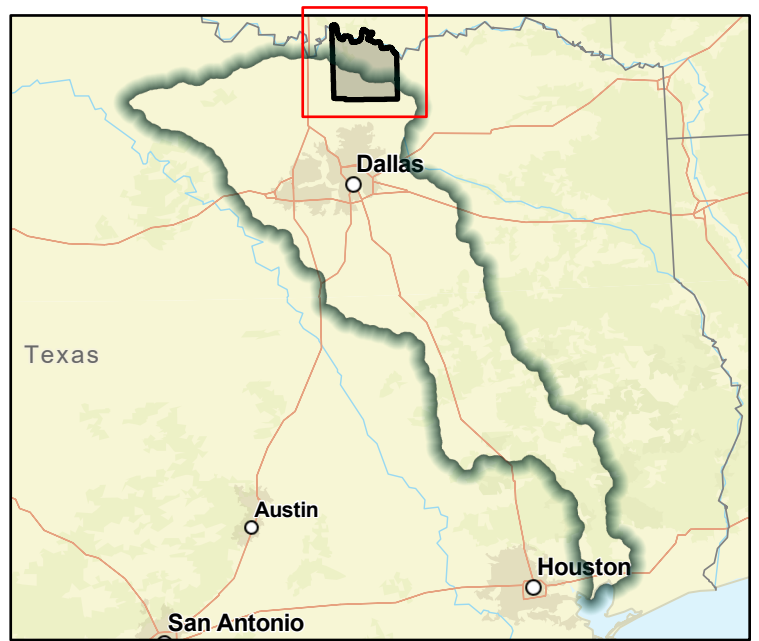
Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **100,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Denton County USDA (NRCS) Dam Studies and Rehabilitation**

ID# **031000277**

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

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

Study Details

Study type **Other**

Study description **USDA (NRCS) Dam Studies and Rehabilitation**

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

County **Denton** Watershed HUC# (if known) **120301020606,120301020607**

Drainage area (Square miles, est.) **948** Goal(s) **03000009, 03000010, 03000029, 03000030**

100-Year Flood Risk Summary

Population at risk **18,656** # of structures **4,675** Critical facilities **89**

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

Farm/Ranch land impacted (acres) **53,344** Roadway(s) impacted (length) **245**

Number of low water crossings **97** Historical road closures **-**

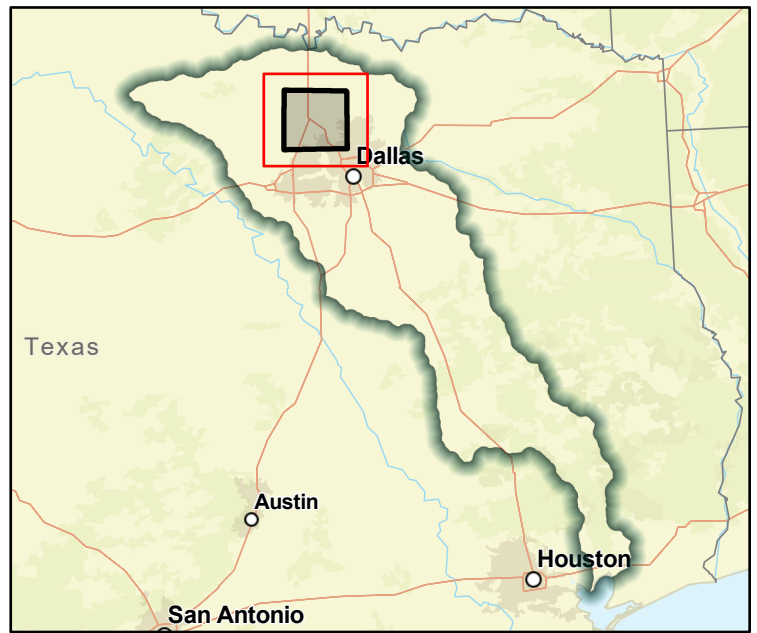
Estimated Cost and Funding Availability

Total Cost **\$2,000,000** Amount of Available Funding **200,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Spring Creek Retaining Walls**

ID# **031000278**

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

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

Study Details

Study type **Project Planning**

Study description **Implement results from the 2021 Spring Creek Erosion and Retaining Wall Assessment project. This project identified 19 locations with recommended repairs/maintenance to erosion structures.**

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

County **Dallas** Watershed HUC# (if known) **120301060404,120301060406,120301060407,120301060408,120301050**

Drainage area (Square miles, est.) **36** Goal(s) **03000009, 03000010, 03000031, 03000032**

100-Year Flood Risk Summary

Population at risk **2,604** # of structures **274** Critical facilities **8**

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

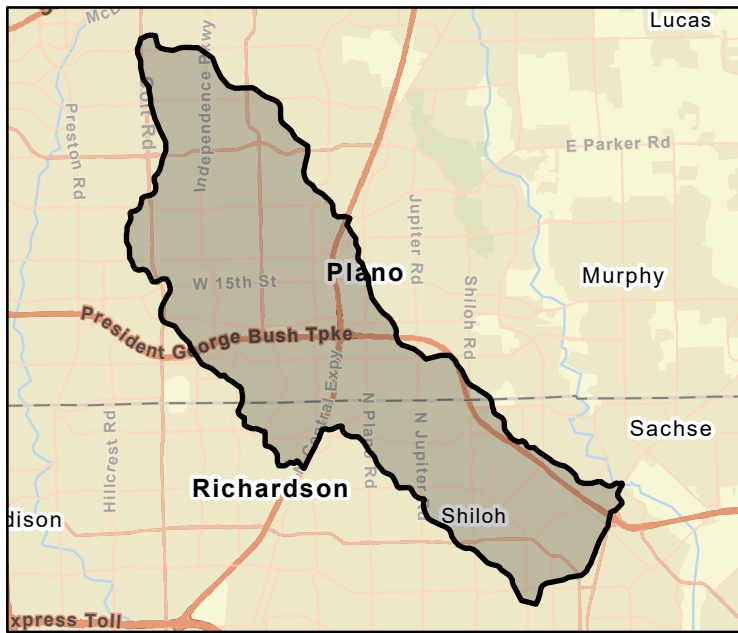
Farm/Ranch land impacted (acres) **83** Roadway(s) impacted (length) **13**

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

Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **25,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Colonel Palm Valley Drainage Improvements**

ID# **031000279**

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

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

Study Details

Study type **Project Planning**

Study description **Implement results from the Colonel Drive Drainage Study. This study identified mitigation options in Coloneal Drive and Palm Valley Drive.**

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

County **Dallas** Watershed HUC# (if known) **120301060409,120301060408,120301060501**

Drainage area (Square miles, est.) **6** Goal(s) **03000013, 03000014, 03000031, 03000032**

100-Year Flood Risk Summary

Population at risk **26** # of structures **10** Critical facilities **0**

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

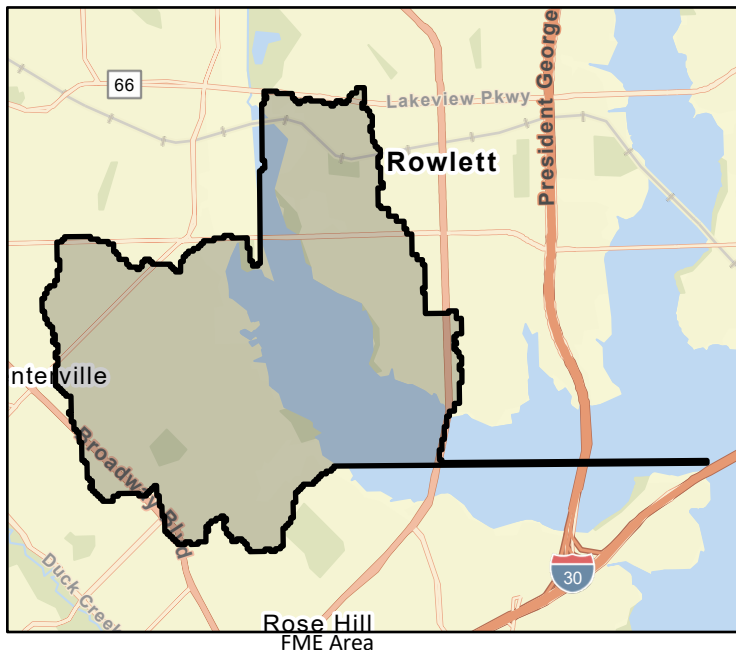
Farm/Ranch land impacted (acres) **85** Roadway(s) impacted (length) **1**

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

Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **15,000** Federal funding availability **Yes**

Funding source **Local, State**



Flood Management Evaluation (FME)



Title **Ashville Drive Drainage Improvements**

ID# **031000280**

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

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

Study Details

Study type **Project Planning**

Study description **Implement results from the Ashville Drainage Study. This study identified recommended mitigation options that can provide 100-year protection and minimal improvements for greater frequency storm events.**

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

County **Dallas** Watershed HUC# (if known) **120301060408,120301060501**

Drainage area (Square miles, est.) **6** Goal(s) **03000013, 03000014, 03000031, 03000032**

100-Year Flood Risk Summary

Population at risk **863** # of structures **232** Critical facilities **2**

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

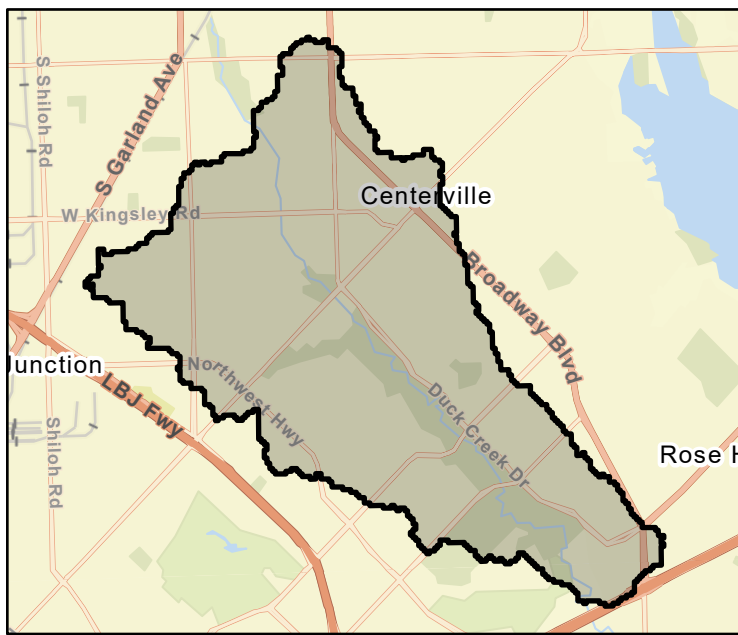
Farm/Ranch land impacted (acres) **45** Roadway(s) impacted (length) **4**

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

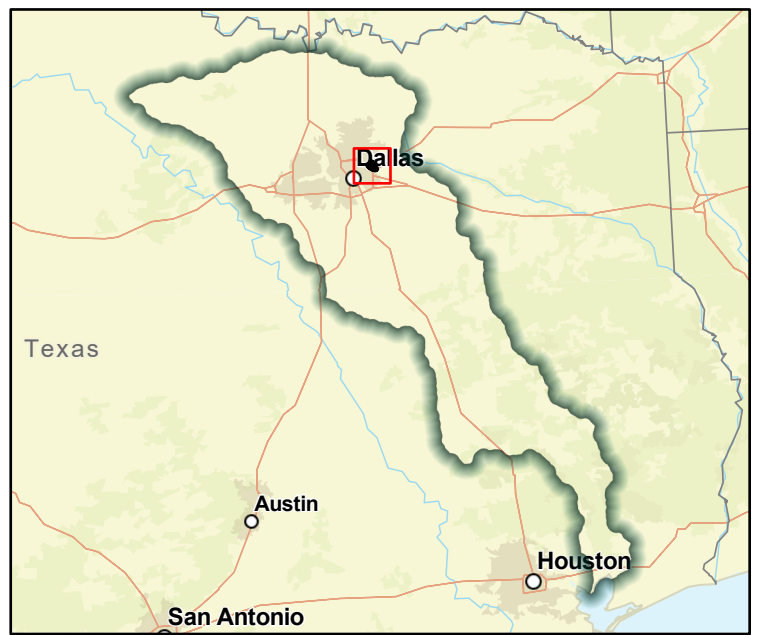
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **15,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Freeman Heights Drainage Improvements
 ID# 031000281
 Sponsor (name of entity, not person) Garland
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

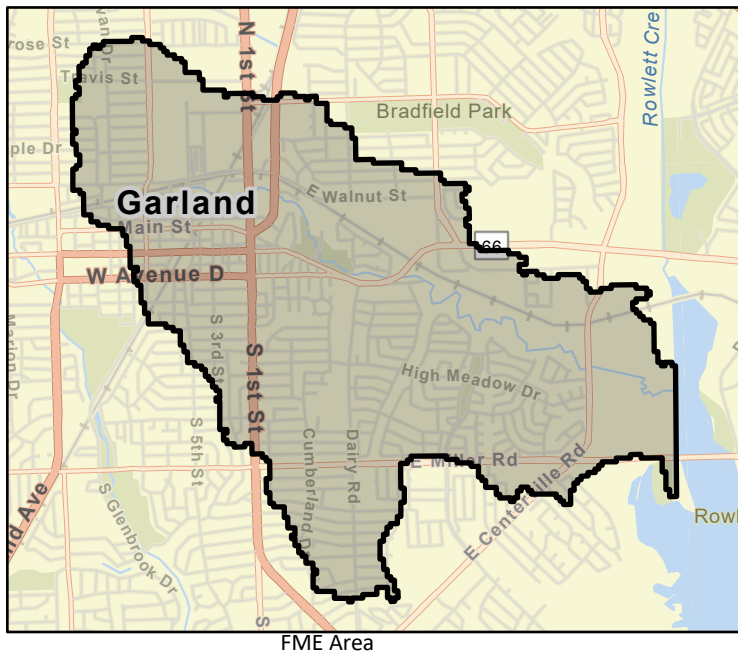
Study type Project Planning
 Study description Implement results from the Garland-Freeman Height Drainage Study. This study identified improvement projects for the storm sewer.
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes
 County Dallas Watershed HUC# (if known) 120301060408,120301060501
 Drainage area (Square miles, est.) 5 Goal(s) 03000013, 03000014, 03000031, 03000032

100-Year Flood Risk Summary

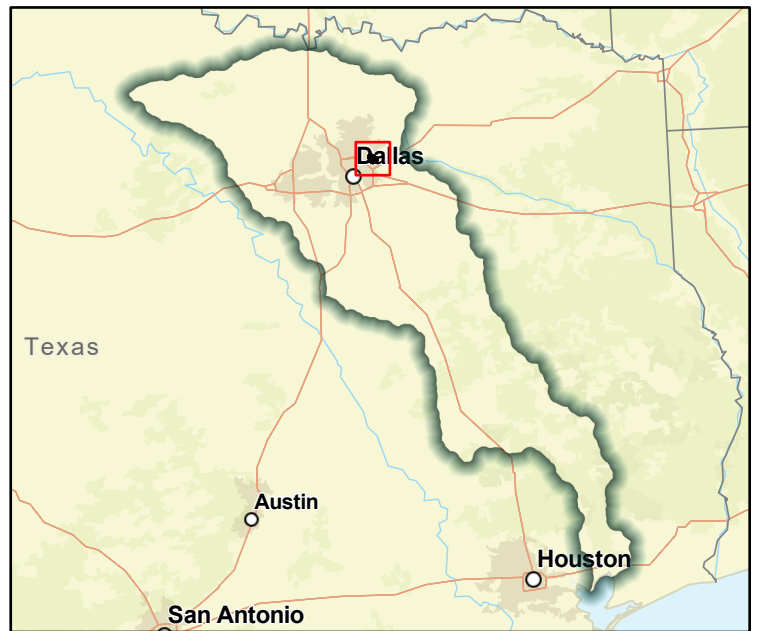
Population at risk 298 # of structures 40 Critical facilities 0
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 7 Roadway(s) impacted (length) 2
 Number of low water crossings 5 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$150,000 Amount of Available Funding 15,000 Federal funding availability Yes
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Tobin trail Drainage Analysis**

ID# **031000282**

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

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

Study Details

Study type **Project Planning**

Study description **Implement results from the Tobin Trail Drainage Study. This study identified mitigation options to determine what solutions can be provided to eliminate or reduce flooding that occurs in Tobin Trail.**

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

County **Dallas** Watershed HUC# (if known) **120301060408,120301060501**

Drainage area (Square miles, est.) **6** Goal(s) **03000013, 03000014, 03000031, 03000032**

100-Year Flood Risk Summary

Population at risk **863** # of structures **232** Critical facilities **2**

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

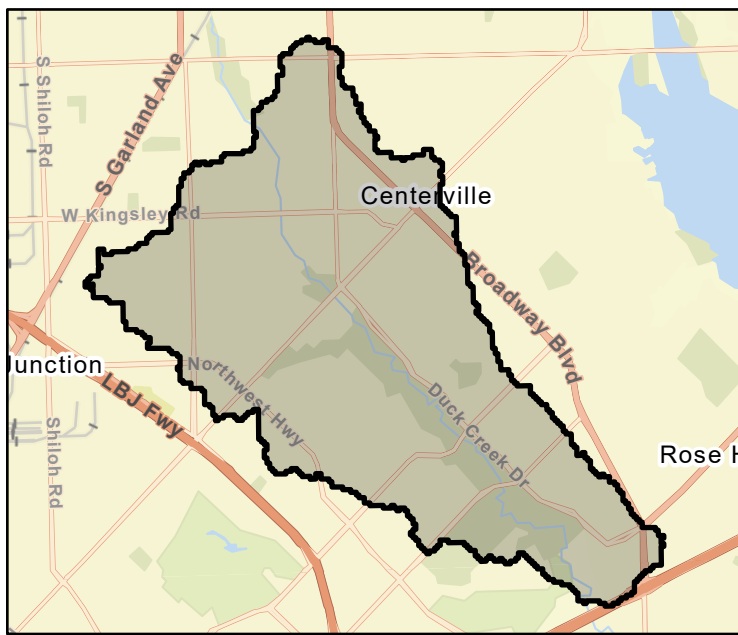
Farm/Ranch land impacted (acres) **45** Roadway(s) impacted (length) **4**

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

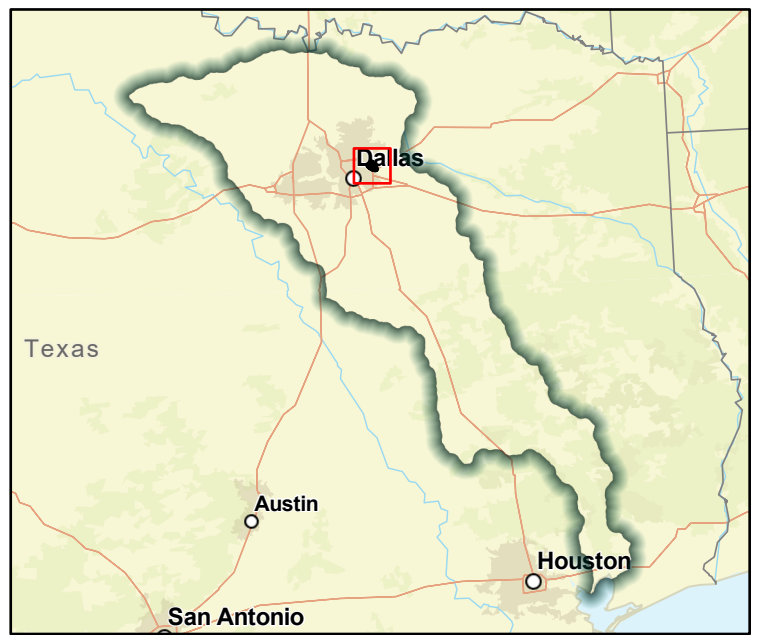
Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **15,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Whites Bayou/Spring Branch Flood Study
 ID# 031000283
 Sponsor (name of entity, not person) Chambers County
 RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Study Details

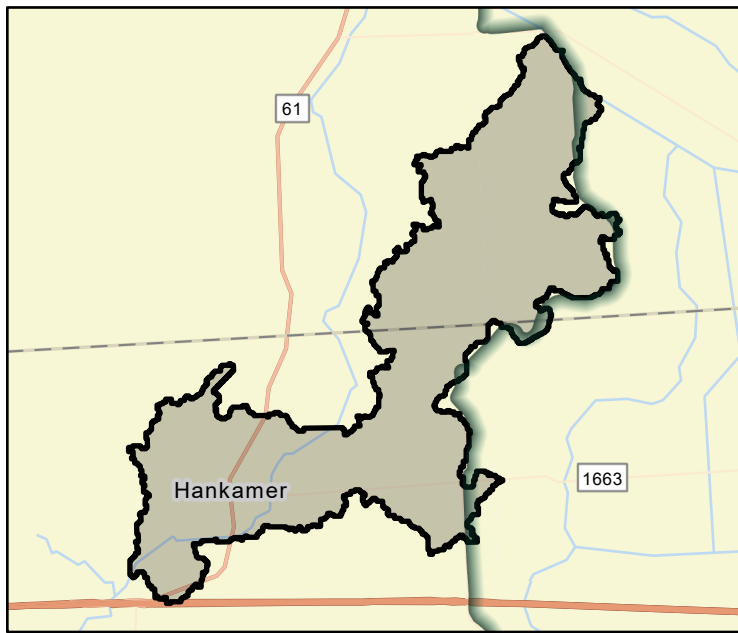
Study type Watershed Planning
 Study description Flood study north of I-10 through Hankamer
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes
 County Chambers Watershed HUC# (if known) 120302030202,120302030204,120402020100
 Drainage area (Square miles, est.) 15 Goal(s) 03000007, 03000008, 03000009, 03000010

100-Year Flood Risk Summary

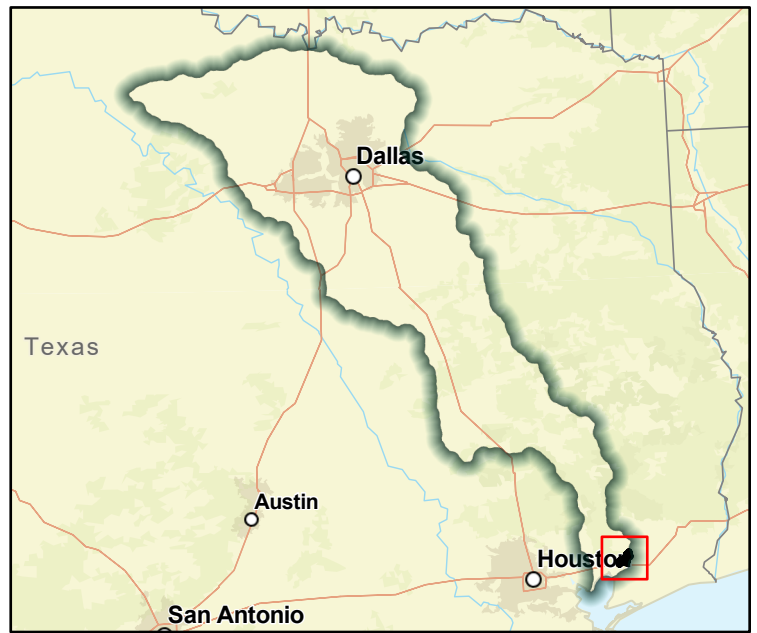
Population at risk 259 # of structures 205 Critical facilities 1
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) 3,806 Roadway(s) impacted (length) 5
 Number of low water crossings 0 Historical road closures -

Estimated Cost and Funding Availability

Total Cost \$458,000 Amount of Available Funding 343,500 Federal funding availability Yes
 Funding source Local, State



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Predicted Maximum Probable Inundation Map**

ID# **031000284**

Sponsor (name of entity, not person) **Trinity River Authority**

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

Study Details

Study type **Watershed Planning**

Study description **Use NWS gage height forecasts from the River Forecast Center to generate a potential floodplain along the main stem of the Trinity River.**

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

County **All** Watershed HUC# (if known) **All**

Drainage area (Square miles, est.) **17,849** Goal(s) **03000005, 03000005, 03000039, 03000040**

100-Year Flood Risk Summary

Population at risk **882,992** # of structures **186,744** Critical facilities **981**

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

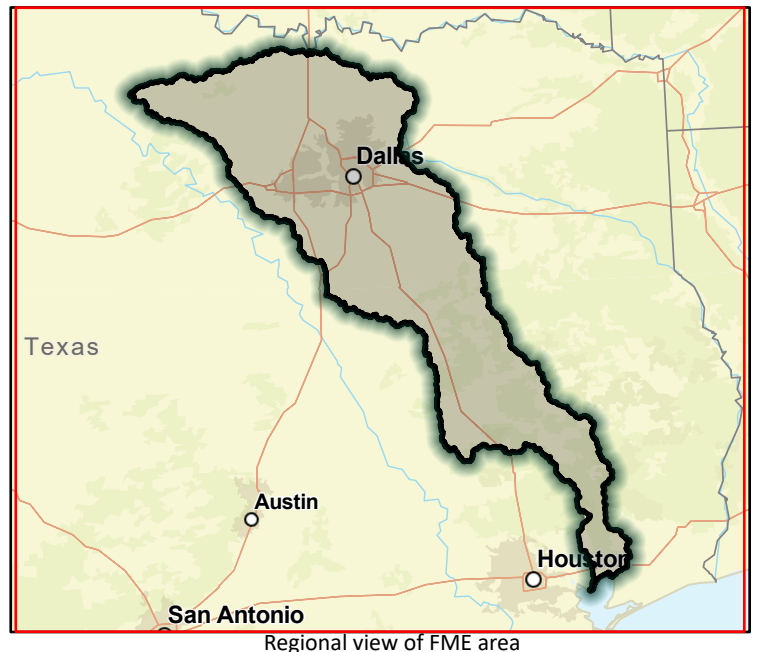
Farm/Ranch land impacted (acres) **3,630** Roadway(s) impacted (length) **7,606**

Number of low water crossings **1,737** Historical road closures **-**

Estimated Cost and Funding Availability

Total Cost **\$2,000,000** Amount of Available Funding **400,000** Federal funding availability **Yes**

Funding source **Local, State**



Flood Management Evaluation (FME)



Title **Headwaters of South Fork Trinity River Tributaries Through Hudson Oaks**

ID# **031000285**

Sponsor (name of entity, not person) **Hudson Oaks**

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

Study Details

Study type **Watershed Planning**

Study description **Study to determine flooding issues and potential future projects.**

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

County **Parker** Watershed HUC# (if known) **120301020205,120301020203,120301020206,120301020207,120301020**

Drainage area (Square miles, est.) **6** Goal(s) **03000007, 03000008, 03000009, 03000010**

100-Year Flood Risk Summary

Population at risk **51** # of structures **33** Critical facilities **1**

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

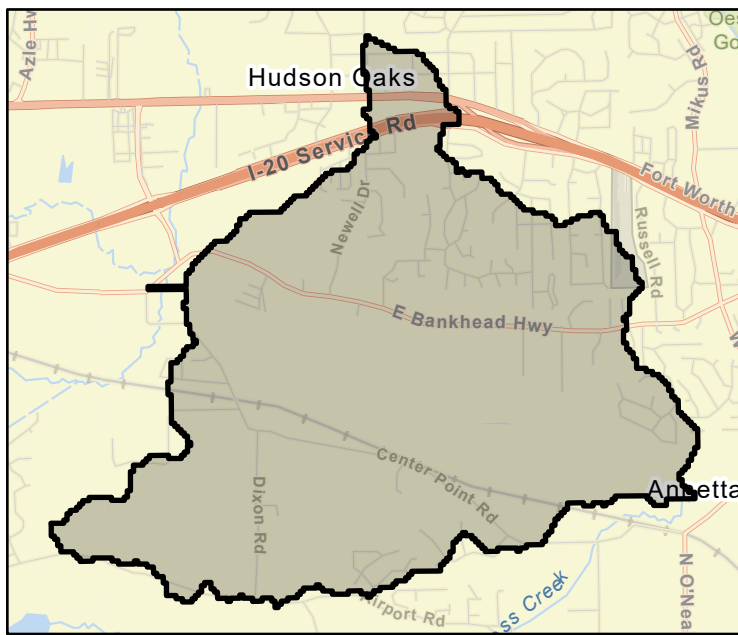
Farm/Ranch land impacted (acres) **715** Roadway(s) impacted (length) **1**

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

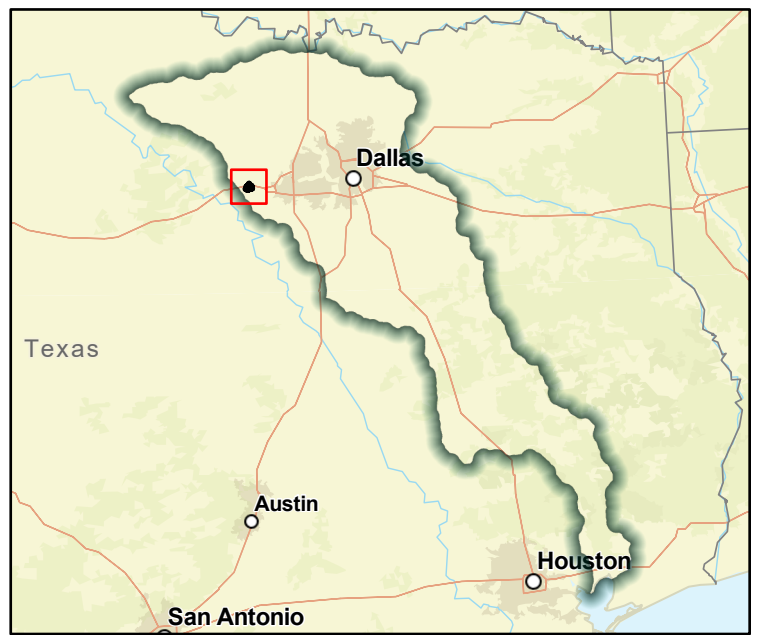
Estimated Cost and Funding Availability

Total Cost **\$164,000** Amount of Available Funding **16,400** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Headwaters of Clear Fork Trinity River Tributaries Through Hudson Oaks**

ID# **031000286**

Sponsor (name of entity, not person) **Hudson Oaks**

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

Study Details

Study type **Watershed Planning**

Study description **Study to determine flooding issues and potential future projects.**

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

County **Parker** Watershed HUC# (if known) **120301020203,120301020207,120301020204**

Drainage area (Square miles, est.) **5** Goal(s) **03000007, 03000008, 03000009, 03000010**

100-Year Flood Risk Summary

Population at risk **689** # of structures **32** Critical facilities **2**

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

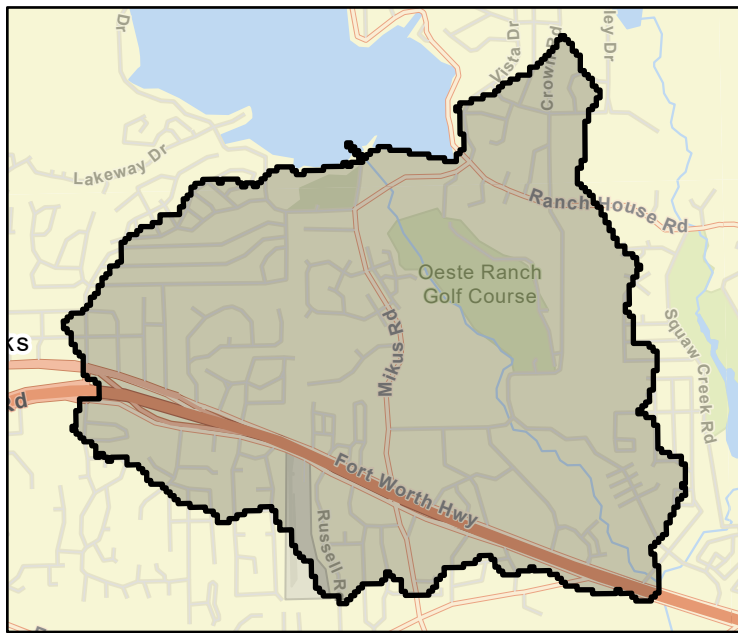
Farm/Ranch land impacted (acres) **179** Roadway(s) impacted (length) **3**

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

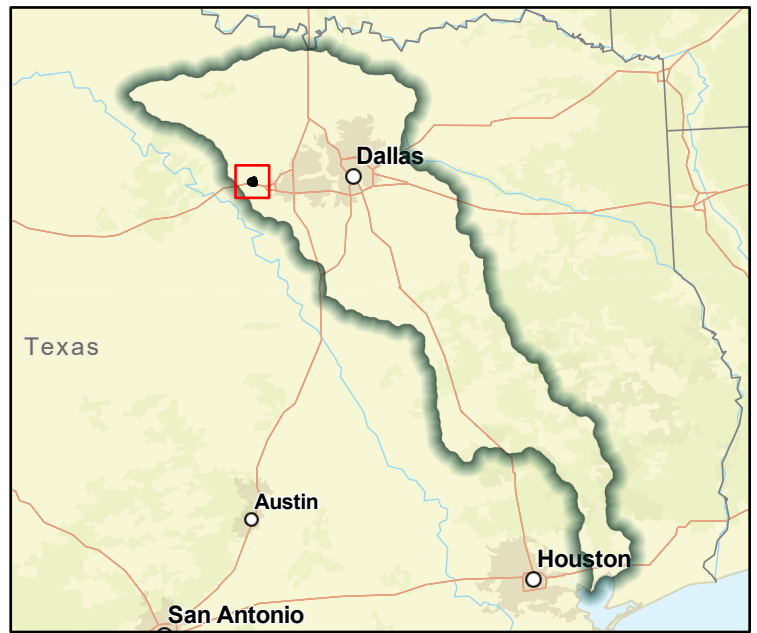
Estimated Cost and Funding Availability

Total Cost **\$106,000** Amount of Available Funding **0** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Headwaters of Willow Creek Regulatory Floodplain Determination Study**

ID# **031000287**

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

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

Study Details

Study type **Watershed Planning**

Study description **Mapping study for Headwaters of Willow Creek through Mansfield ETJ.**

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

County **Tarrant** Watershed HUC# (if known) **120301020403,120301020604,120301020402,120301020405**

Drainage area (Square miles, est.) **6** Goal(s) **03000001, 03000002, 03000005, 03000006, 03000025, 03000026**

100-Year Flood Risk Summary

Population at risk **105** # of structures **43** Critical facilities **0**

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

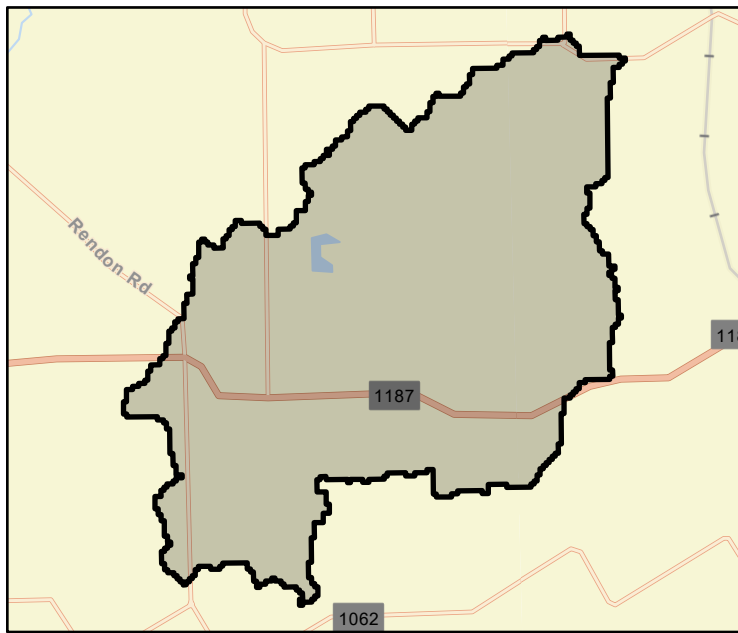
Farm/Ranch land impacted (acres) **188** Roadway(s) impacted (length) **1**

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

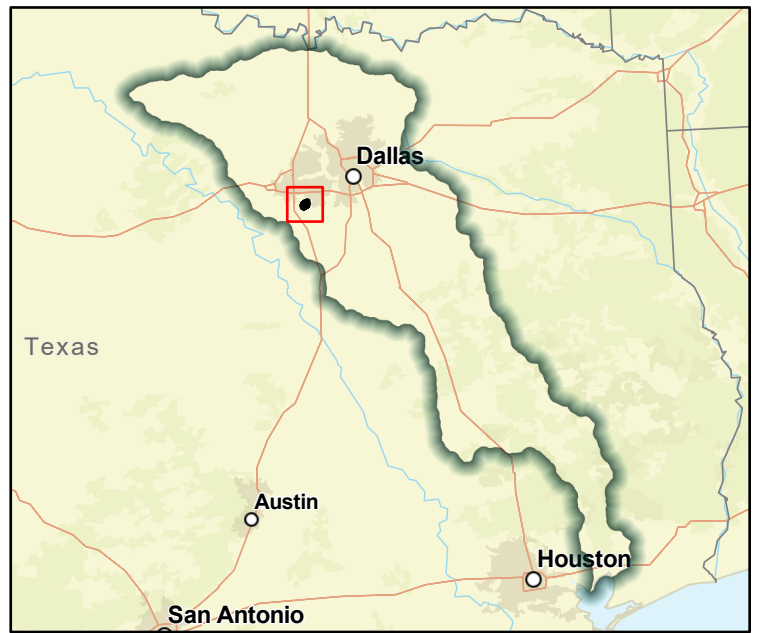
Estimated Cost and Funding Availability

Total Cost **\$137,000** Amount of Available Funding **13,700** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area