

# 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? Yes

Emergency Need? No

Existing/Anticipated models in near term? No

County All

Watershed HUC# (if known) All

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

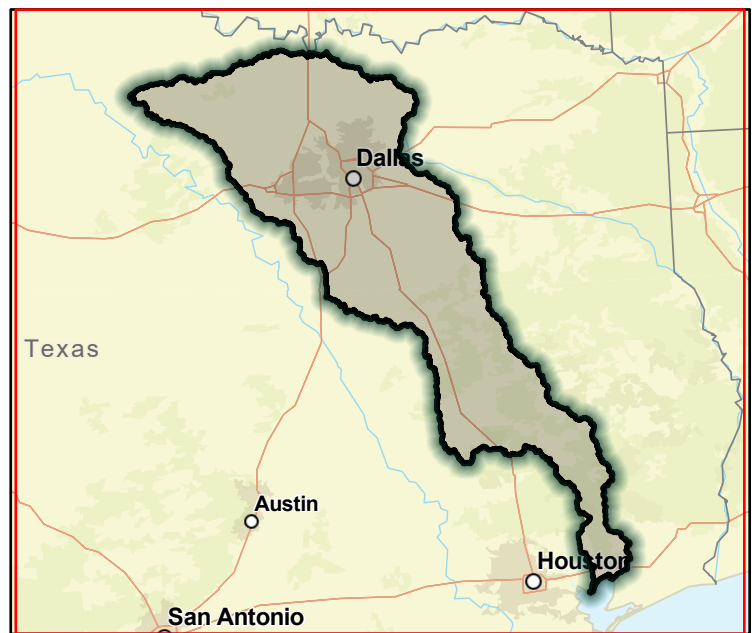
Amount of Available Funding 74,200

Federal funding availability Yes

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? Yes Emergency Need? No Existing/Anticipated models in near term? No

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

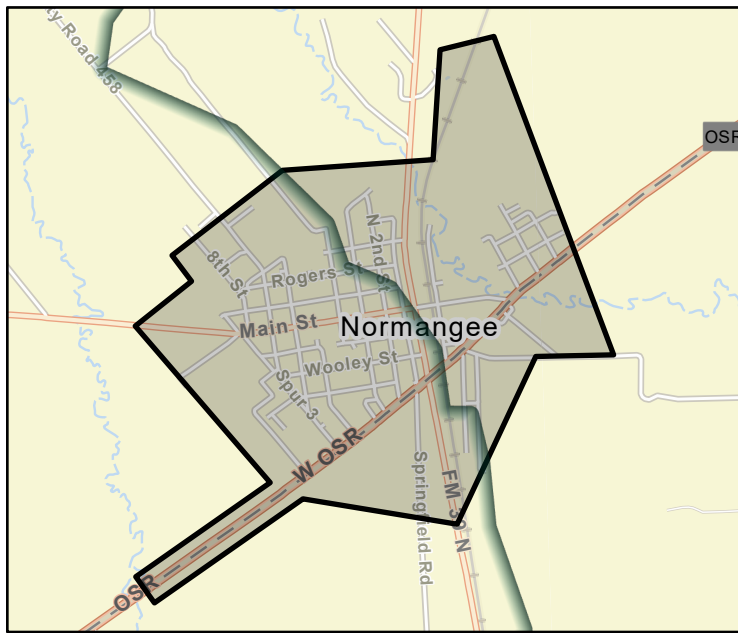
Farm/Ranch land impacted (acres) 23 Roadway(s) impacted (length) 1

Number of low water crossings 0 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$58,000 Amount of Available Funding 5,800 Federal funding availability Yes

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? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

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**

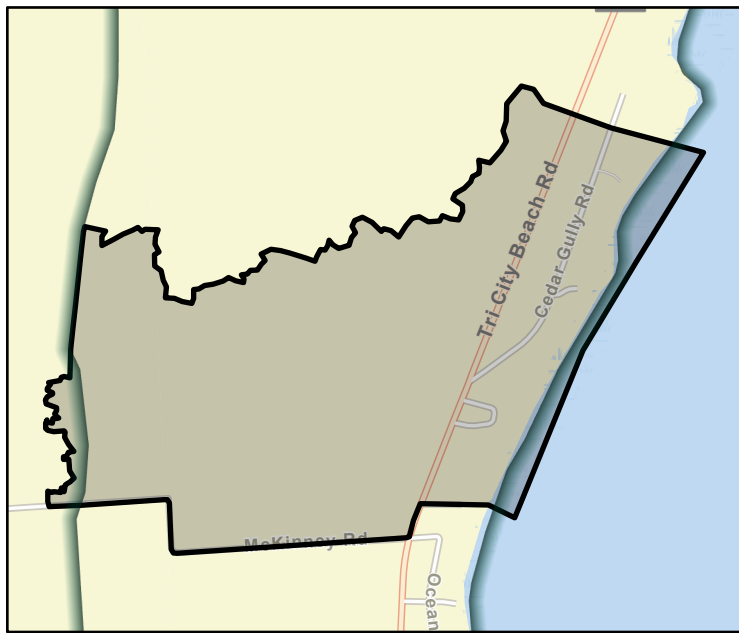
Farm/Ranch land impacted (acres) **41** Roadway(s) impacted (length) **0**

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

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **75,000** Federal funding availability **Yes**

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? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

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**

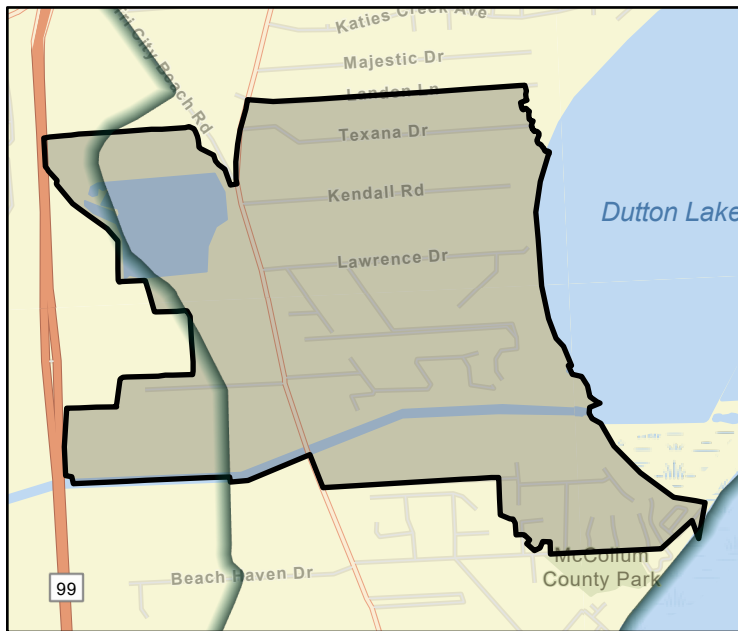
Farm/Ranch land impacted (acres) **133** Roadway(s) impacted (length) **1**

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

## Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **112,500** Federal funding availability **Yes**

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? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

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**

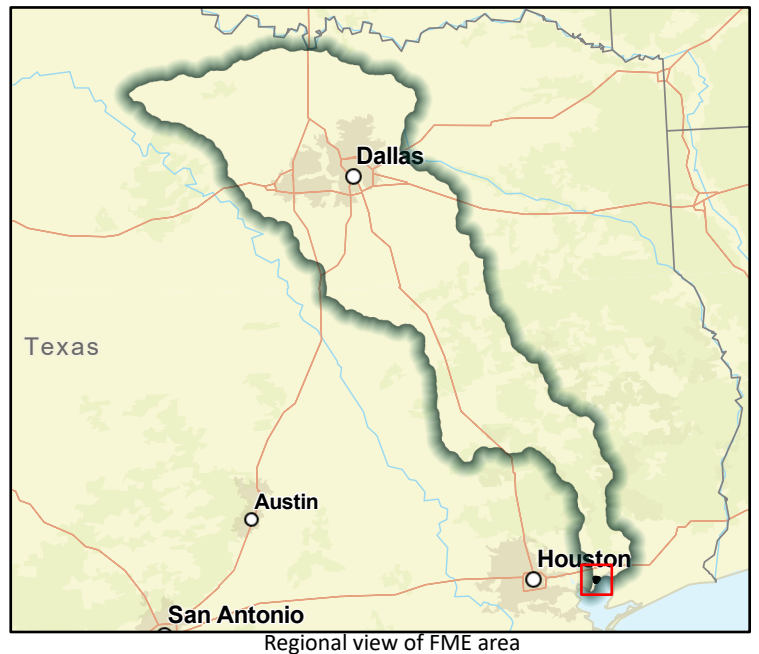
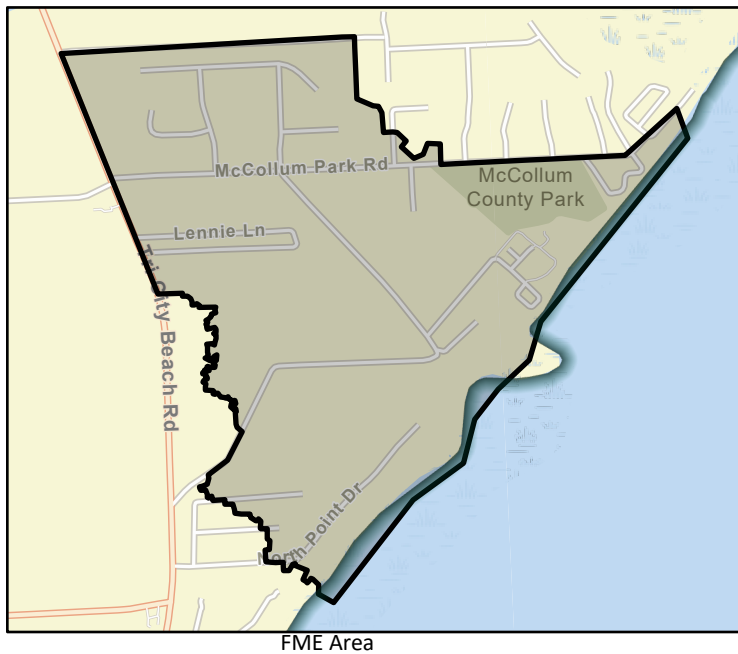
Farm/Ranch land impacted (acres) **58** Roadway(s) impacted (length) **0**

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

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **75,000** Federal funding availability **Yes**

Funding source **Local, State**



# 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

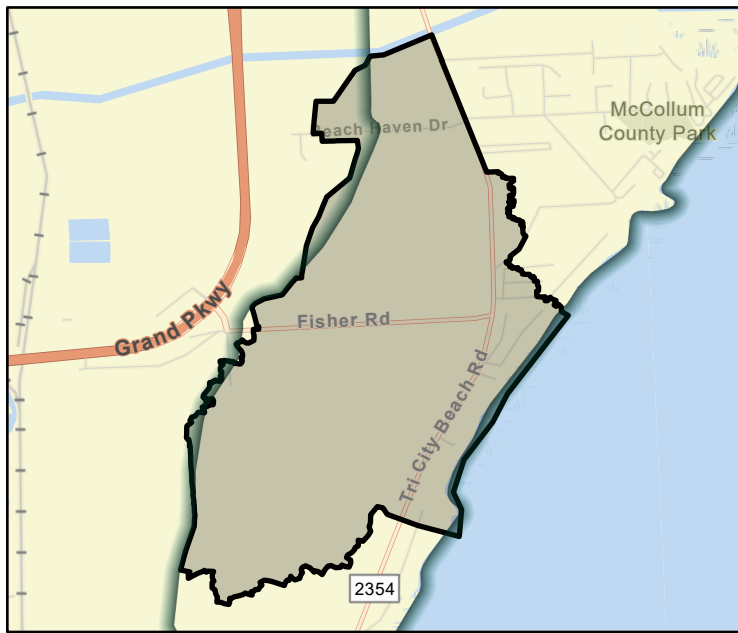
Study type Project Planning  
 Study description Study to provide channel modifications to Cedar Gully upstream of FM 2354 to improve conveyance to outfall into Trinity Bay  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No  
 County Chambers Watershed 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 112,500 Federal funding availability Yes  
 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

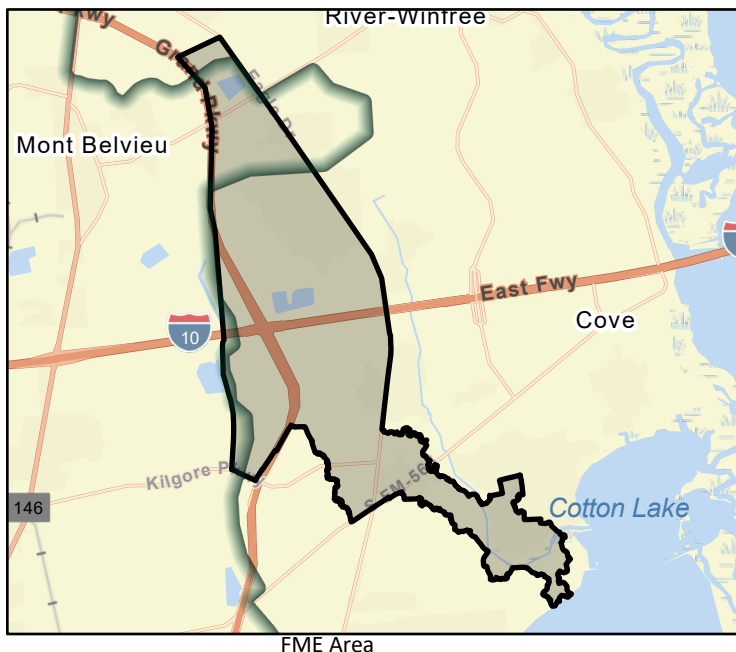
Study type Project Planning  
 Study description Study to implement either diversion, detention or channel modifications to Hackberry Gully to improve conveyance from downstream of IH-10 to confluence with Cotton Bayou  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No  
 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 112,500 Federal funding availability Yes  
 Funding source Local, State



# 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? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

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**

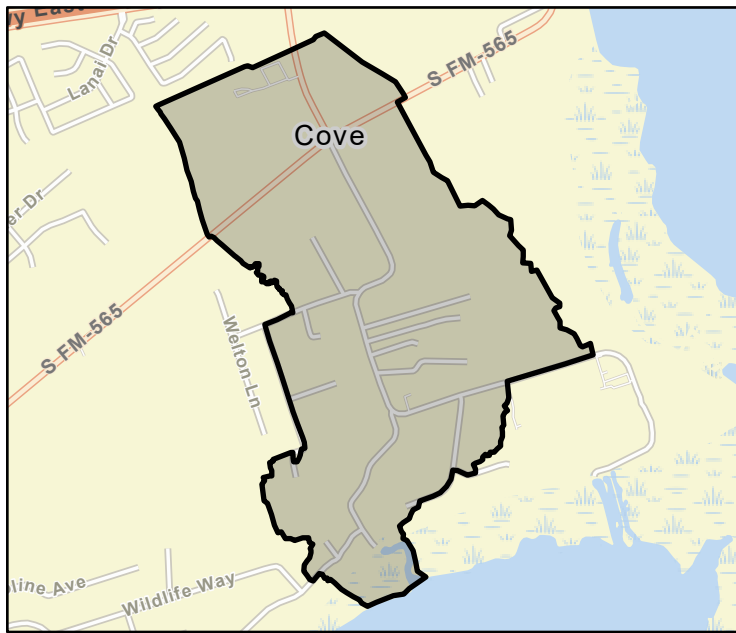
Farm/Ranch land impacted (acres) **23** Roadway(s) impacted (length) **0**

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

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **75,000** Federal funding availability **Yes**

Funding source **Local, State**





# Flood Management Evaluation (FME)



Title **Cotton Bayou Improvements Study**

ID# **031000477**

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 diversion, detention or channel modifications to Cotton Bayou to improve conveyance from downstream of IH-10 to confluence with Hackberry Gully**

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

County **Chambers** Watershed HUC# (if known) **120302030304,120302030306,120302030307,120402030105**

Drainage area (Square miles, est.) **5** Goal(s) **03000029, 03000030**

## 100-Year Flood Risk Summary

Population at risk **4,176** # of structures **519** Critical facilities **0**

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

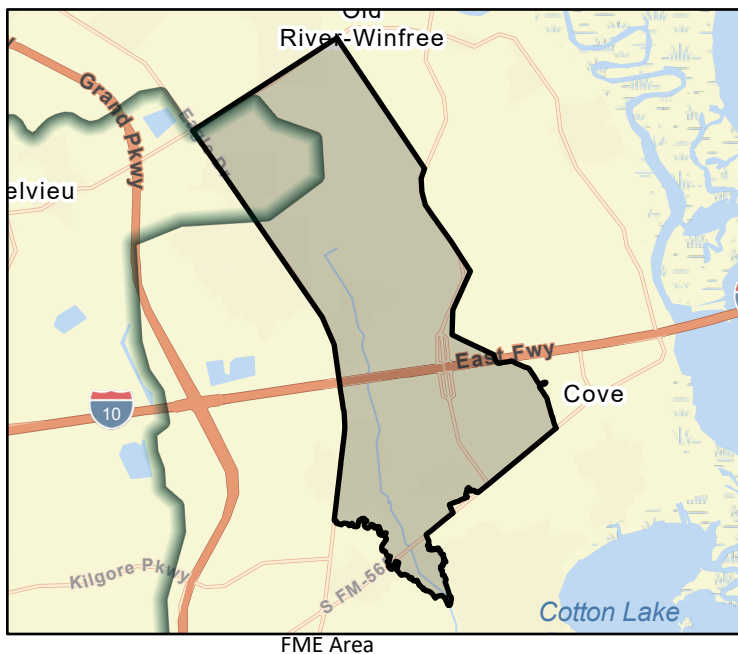
Farm/Ranch land impacted (acres) **775** Roadway(s) impacted (length) **7**

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

## Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **112,500** Federal funding availability **Yes**

Funding source **Local, State**



# Flood Management Evaluation (FME)



Title Floodplain Mapping Updates of Bakers Branch Tributary 1

ID# 031000478

Sponsor (name of entity, not person) Flower Mound

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

## Study Details

Study type Watershed Planning

Study description Floodplain mapping of Bakers Branch Tributary 1 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.

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

County Denton Watershed HUC# (if known) 120301031002,120301040307

Drainage area (Square miles, est.) 0 Goal(s) 03000005, 03000006, 03000009, 03000010

## 100-Year Flood Risk Summary

Population at risk 1,557 # of structures 526 Critical facilities 45

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

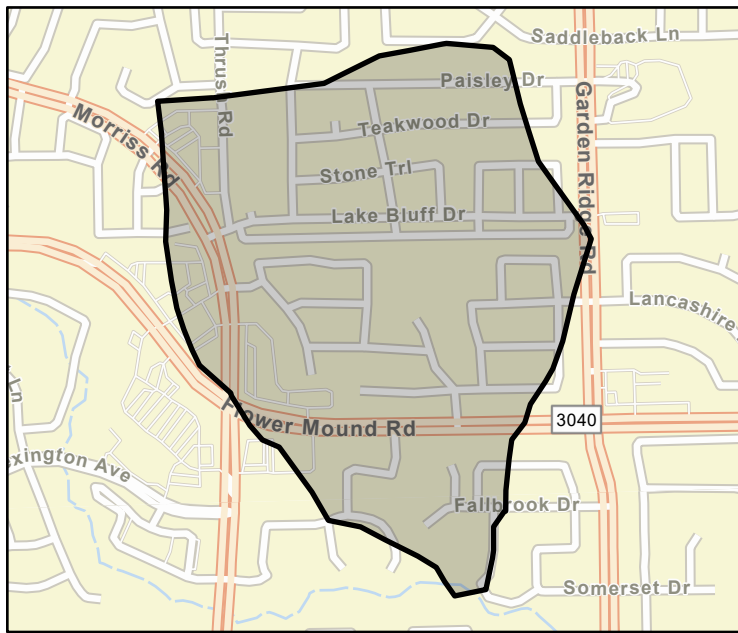
Farm/Ranch land impacted (acres) 6 Roadway(s) impacted (length) 37

Number of low water crossings 0 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$56,000 Amount of Available Funding 5,600 Federal funding availability Yes

Funding source Local, State



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Floodplain Mapping Updates of Bakers Branch Tributary 2**

ID# **031000479**

Sponsor (name of entity, not person) **Flower Mound**

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

## Study Details

Study type **Watershed Planning**

Study description **Floodplain mapping of Bakers Branch Tributary 2 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.**

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

County **Denton** Watershed HUC# (if known) **120301031002,120301040307**

Drainage area (Square miles, est.) **0** Goal(s) **03000005, 03000006, 03000009, 03000010**

## 100-Year Flood Risk Summary

Population at risk **1,460** # of structures **346** Critical facilities **43**

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

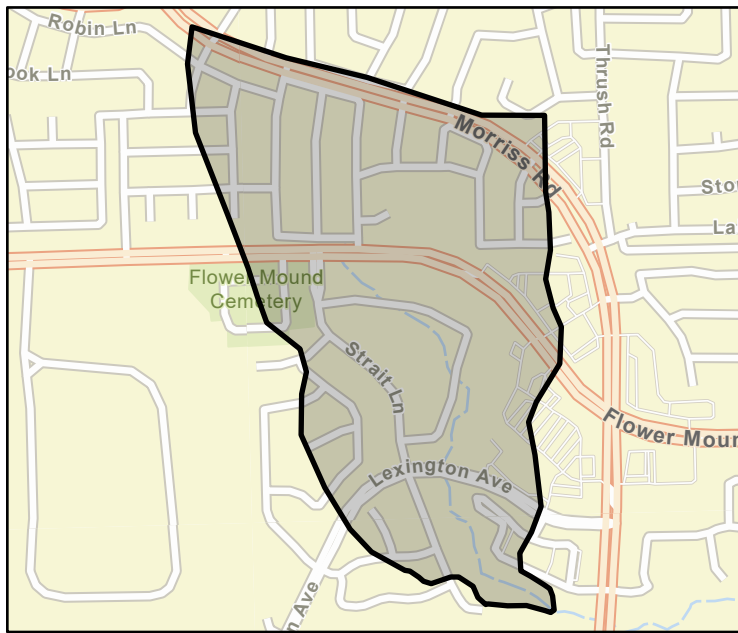
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **37**

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

## Estimated Cost and Funding Availability

Total Cost **\$56,000** Amount of Available Funding **5,600** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Floodplain Mapping Updates of Bakers Branch**

ID# **031000480**

Sponsor (name of entity, not person) **Flower Mound**

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

## Study Details

Study type **Watershed Planning**

Study description **Floodplain mapping updates on Bakers Branch to establish base flood elevations and convert Zone A to Zone AE via LOMR.**

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

County **Denton** Watershed HUC# (if known) **120301031002,120301040307,120301040306**

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

## 100-Year Flood Risk Summary

Population at risk **8,094** # of structures **2,371** Critical facilities **237**

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

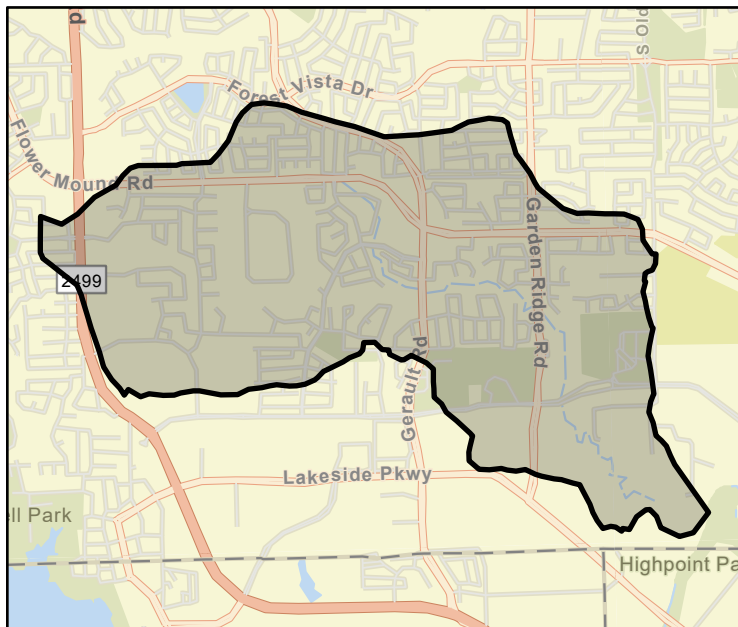
Farm/Ranch land impacted (acres) **248** Roadway(s) impacted (length) **141**

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

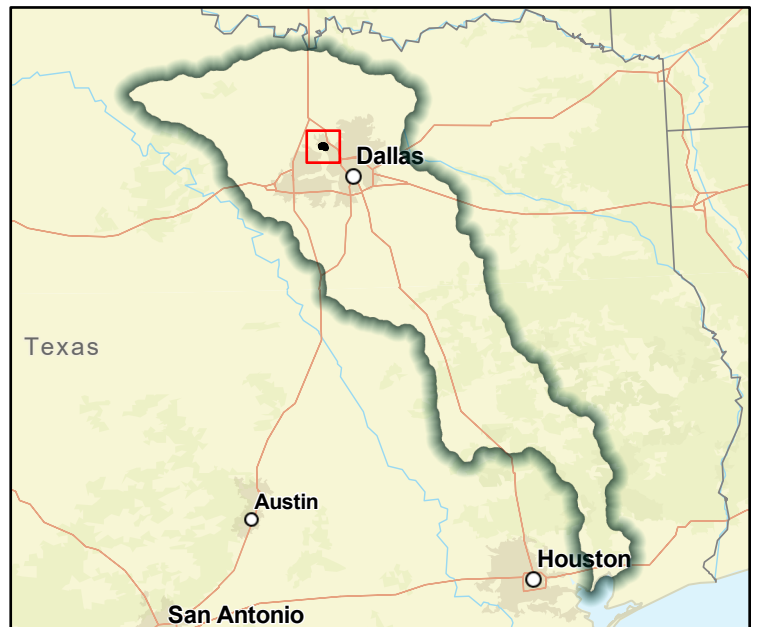
## Estimated Cost and Funding Availability

Total Cost **\$61,000** Amount of Available Funding **6,100** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Floodplain Mapping Updates of Graham Branch Tributary 3**

ID# **031000481**

Sponsor (name of entity, not person) **Flower Mound**

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

## Study Details

Study type **Watershed Planning**

Study description **Floodplain mapping of Graham Branch Tributary 3 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.**

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

County **Denton** Watershed HUC# (if known) **120301040304**

Drainage area (Square miles, est.) **0** Goal(s) **03000005, 03000006, 03000009, 03000010**

## 100-Year Flood Risk Summary

Population at risk **4** # of structures **3** Critical facilities **24**

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

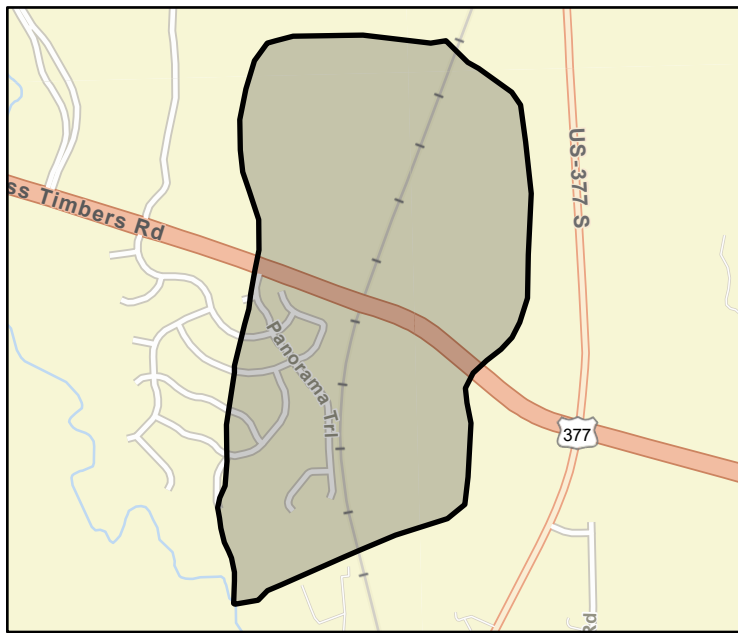
Farm/Ranch land impacted (acres) **260** Roadway(s) impacted (length) **13**

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

## Estimated Cost and Funding Availability

Total Cost **\$57,000** Amount of Available Funding **5,700** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Floodplain Mapping Updates of Graham Branch Tributary 9

ID# 031000482

Sponsor (name of entity, not person) Flower Mound

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

## Study Details

Study type Watershed Planning

Study description Floodplain mapping of Graham Branch Tributary 9 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.

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

County Denton Watershed HUC# (if known) 120301040304

Drainage area (Square miles, est.) 0 Goal(s) 03000005, 03000006, 03000009, 03000010

## 100-Year Flood Risk Summary

Population at risk 4 # of structures 3 Critical facilities 12

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

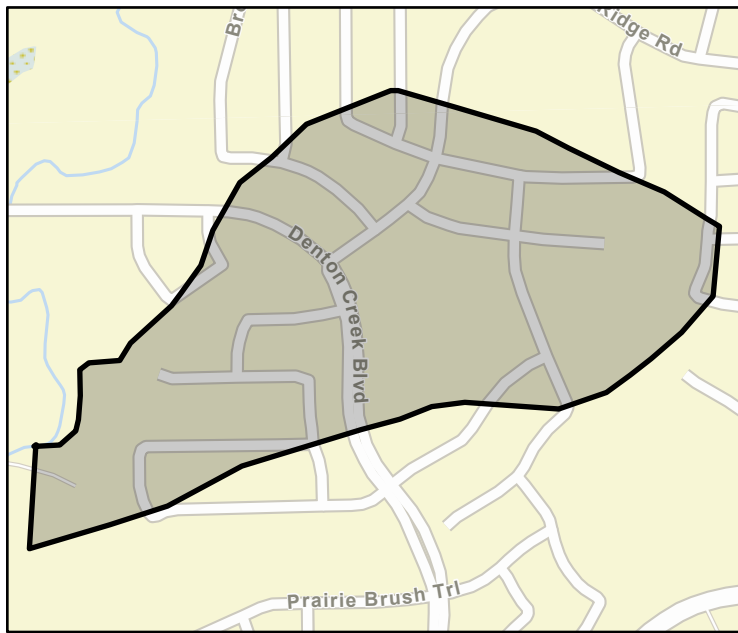
Farm/Ranch land impacted (acres) 46 Roadway(s) impacted (length) 5

Number of low water crossings 0 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$56,000 Amount of Available Funding 5,600 Federal funding availability Yes

Funding source Local, State



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Floodplain Mapping Updates of Graham Branch Tributary 10

ID# 031000483

Sponsor (name of entity, not person) Flower Mound

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

## Study Details

Study type Watershed Planning

Study description Floodplain mapping of Graham Branch Tributary 10 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.

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

County Denton Watershed HUC# (if known) 120301040303,120301040304

Drainage area (Square miles, est.) 1 Goal(s) 03000005, 03000006, 03000009, 03000010

## 100-Year Flood Risk Summary

Population at risk 105 # of structures 40 Critical facilities 29

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

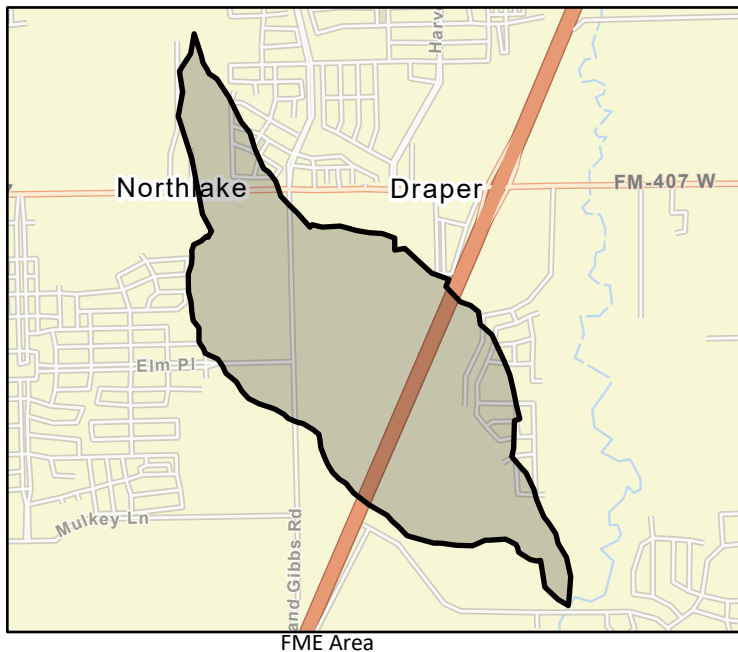
Farm/Ranch land impacted (acres) 461 Roadway(s) impacted (length) 14

Number of low water crossings 0 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$59,000 Amount of Available Funding 5,900 Federal funding availability Yes

Funding source Local, State



# Flood Management Evaluation (FME)



Title **Floodplain Mapping Updates of Graham Branch**

ID# **031000484**

Sponsor (name of entity, not person) **Flower Mound**

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

## Study Details

Study type **Watershed Planning**

Study description **Floodplain mapping of Graham Branch to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.**

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

County **Denton** Watershed HUC# (if known) **120301030804,120301040205,120301040303,120301040304**

Drainage area (Square miles, est.) **10** Goal(s) **03000005, 03000006, 03000009, 03000010**

## 100-Year Flood Risk Summary

Population at risk **833** # of structures **398** Critical facilities **253**

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

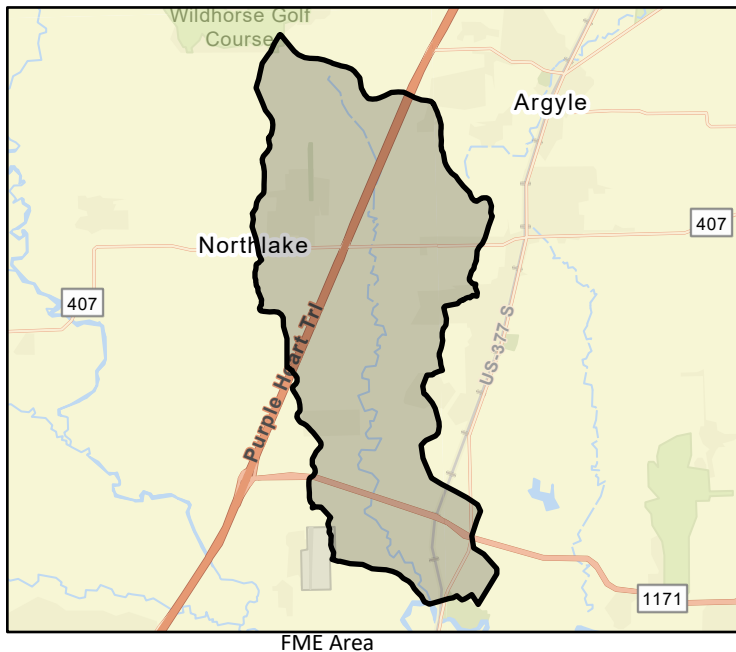
Farm/Ranch land impacted (acres) **4,592** Roadway(s) impacted (length) **124**

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

## Estimated Cost and Funding Availability

Total Cost **\$80,000** Amount of Available Funding **8,000** Federal funding availability **Yes**

Funding source **Local, State**





# Flood Management Evaluation (FME)



Title **Floodplain Mapping Updates of McKamy Creek**

ID# **031000485**

Sponsor (name of entity, not person) **Flower Mound**

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

## Study Details

Study type **Watershed Planning**

Study description **Floodplain mapping of McKamy Creek to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.**

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

County **Tarrant,Denton** Watershed HUC# (if known) **120301031002,120301040307,120301040306**

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

## 100-Year Flood Risk Summary

Population at risk **5,175** # of structures **1,519** Critical facilities **174**

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

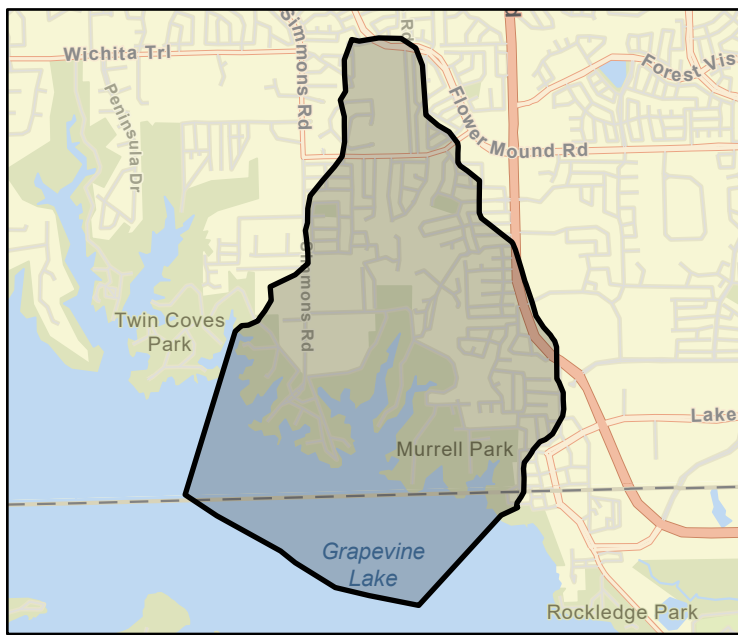
Farm/Ranch land impacted (acres) **93** Roadway(s) impacted (length) **88**

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

## Estimated Cost and Funding Availability

Total Cost **\$65,000** Amount of Available Funding **6,500** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Floodplain Mapping Updates of Sharps Branch Tributary 3**

ID# **031000486**

Sponsor (name of entity, not person) **Flower Mound**

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

## Study Details

Study type **Watershed Planning**

Study description **Floodplain mapping of Sharps Branch Tributary 3 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.**

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

County **Denton** Watershed HUC# (if known) **120301031002,120301030804,120301040305**

Drainage area (Square miles, est.) **1** Goal(s) **03000005, 03000006, 03000009, 03000010**

## 100-Year Flood Risk Summary

Population at risk **313** # of structures **124** Critical facilities **53**

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

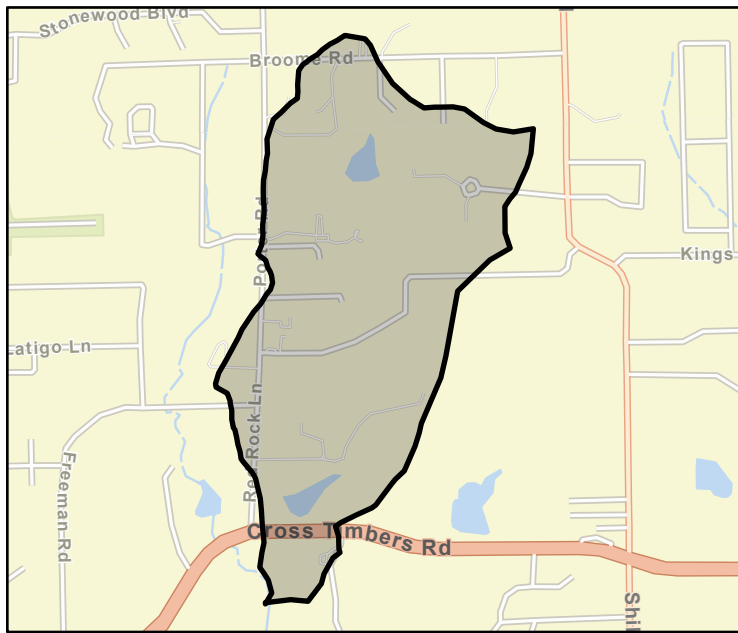
Farm/Ranch land impacted (acres) **339** Roadway(s) impacted (length) **21**

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

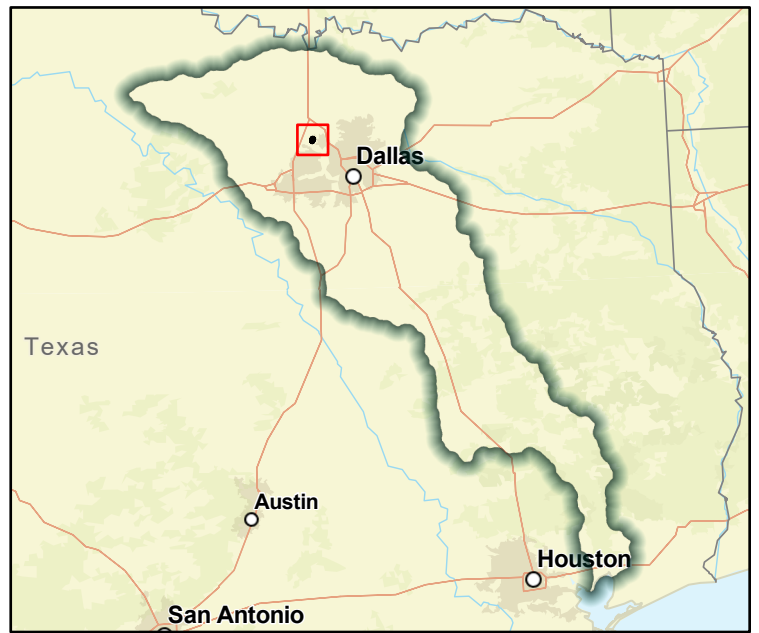
## Estimated Cost and Funding Availability

Total Cost **\$59,000** Amount of Available Funding **5,900** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Floodplain Mapping Updates of Sharps Branch**

ID# **031000487**

Sponsor (name of entity, not person) **Flower Mound**

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

## Study Details

Study type **Watershed Planning**

Study description **Floodplain mapping of Sharps Branch to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.**

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

County **Denton** Watershed HUC# (if known) **120301031002,120301030804,120301040304,120301040305**

Drainage area (Square miles, est.) **4** Goal(s) **03000005, 03000006, 03000009, 03000010**

## 100-Year Flood Risk Summary

Population at risk **2,078** # of structures **948** Critical facilities **163**

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

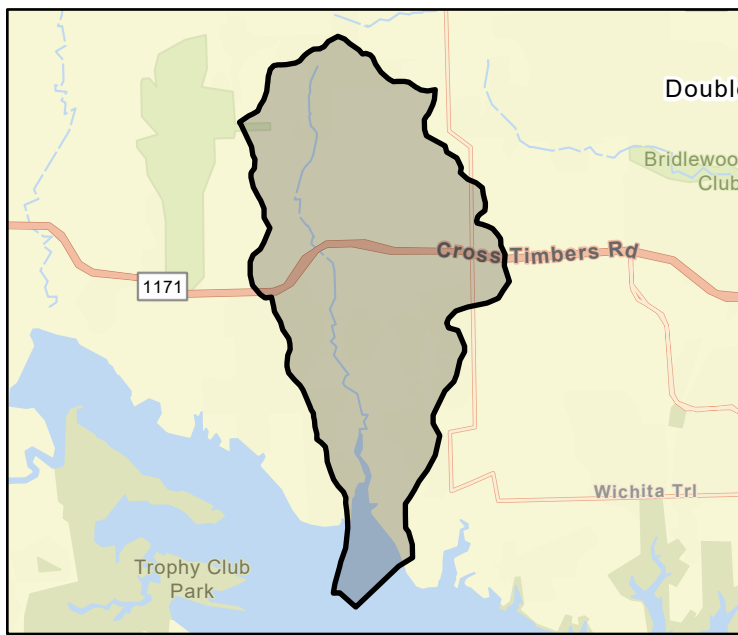
Farm/Ranch land impacted (acres) **1,188** Roadway(s) impacted (length) **95**

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

## Estimated Cost and Funding Availability

Total Cost **\$64,000** Amount of Available Funding **6,400** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Floodplain Mapping Updates of Stream SB-1 Tributary 1**

ID# **031000488**

Sponsor (name of entity, not person) **Flower Mound**

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

## Study Details

Study type **Watershed Planning**

Study description **Floodplain mapping of Stream SB-1 Tributary 1 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.**

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

County **Denton** Watershed HUC# (if known) **120301031002,120301040305**

Drainage area (Square miles, est.) **0** Goal(s) **03000005, 03000006, 03000009, 03000010**

## 100-Year Flood Risk Summary

Population at risk **63** # of structures **58** Critical facilities **163**

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

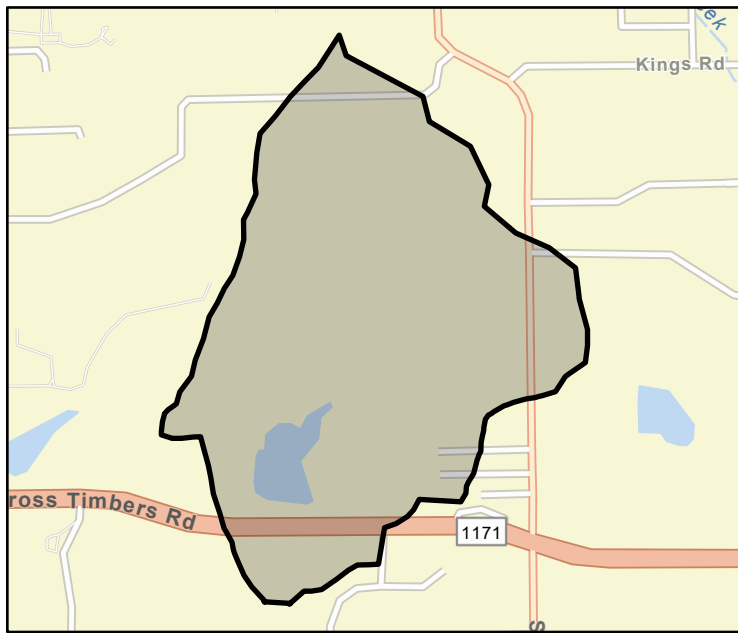
Farm/Ranch land impacted (acres) **211** Roadway(s) impacted (length) **11**

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

## Estimated Cost and Funding Availability

Total Cost **\$60,000** Amount of Available Funding **6,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Floodplain Mapping Updates of Stream SB-1 Tributary 2**

ID# **031000489**

Sponsor (name of entity, not person) **Flower Mound**

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

## Study Details

Study type **Watershed Planning**

Study description **Floodplain mapping of Stream SB-1 Tributary 2 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.**

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

County **Denton** Watershed HUC# (if known) **120301031002,120301040305**

Drainage area (Square miles, est.) **0** Goal(s) **03000005, 03000006, 03000009, 03000010**

## 100-Year Flood Risk Summary

Population at risk **198** # of structures **123** Critical facilities **25**

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

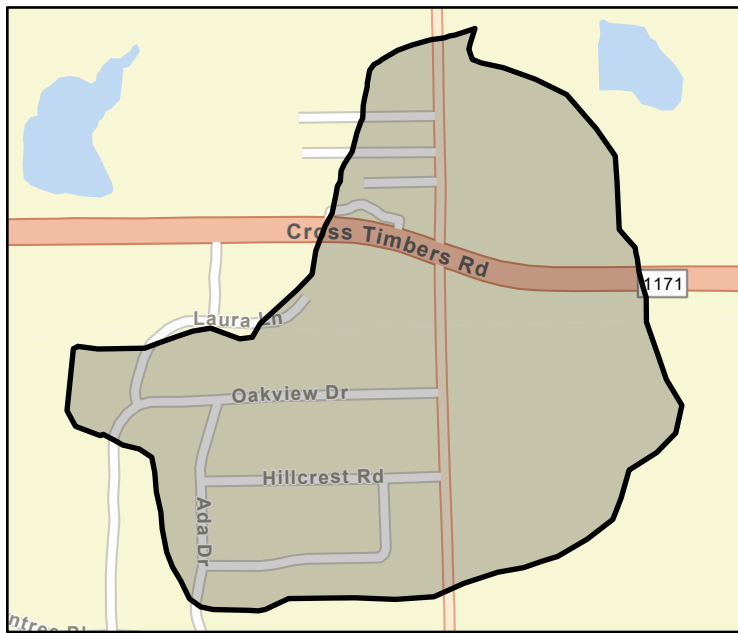
Farm/Ranch land impacted (acres) **71** Roadway(s) impacted (length) **21**

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

## Estimated Cost and Funding Availability

Total Cost **\$56,000** Amount of Available Funding **5,600** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Floodplain Mapping Updates of Stream SB-1

ID# 031000490

Sponsor (name of entity, not person) Flower Mound

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

## Study Details

Study type Watershed Planning

Study description Floodplain mapping of Stream SB-1 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.

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

County Denton Watershed HUC# (if known) 120301031002,120301040305

Drainage area (Square miles, est.) 1 Goal(s) 03000005, 03000006, 03000009, 03000010

## 100-Year Flood Risk Summary

Population at risk 816 # of structures 406 Critical facilities 60

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

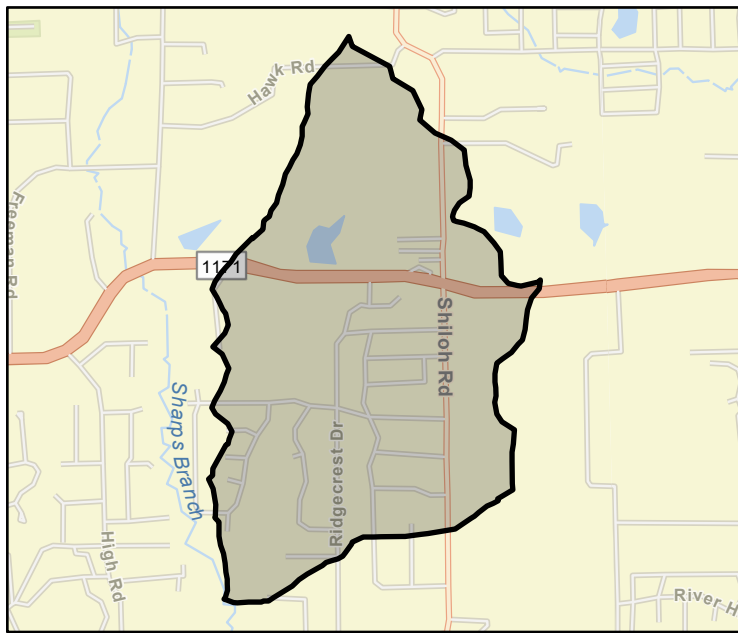
Farm/Ranch land impacted (acres) 461 Roadway(s) impacted (length) 42

Number of low water crossings 0 Historical road closures -

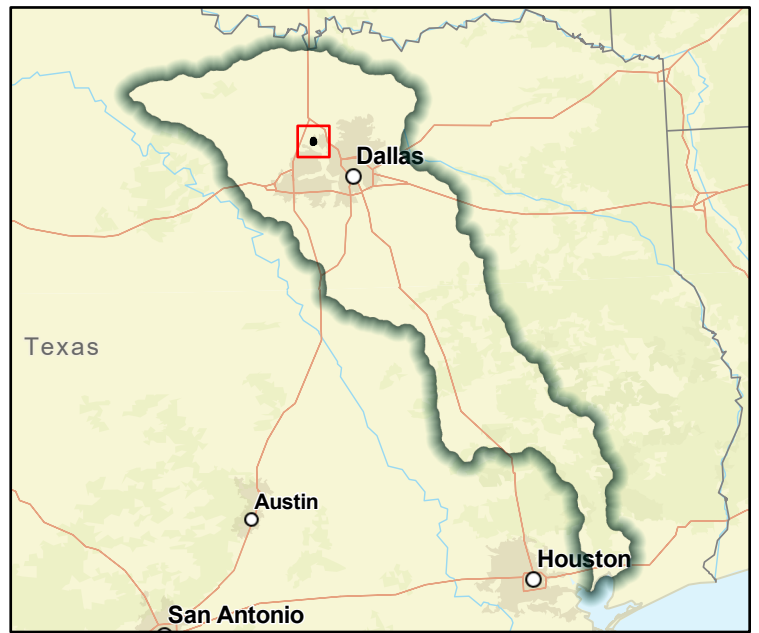
## Estimated Cost and Funding Availability

Total Cost \$57,000 Amount of Available Funding 5,700 Federal funding availability Yes

Funding source Local, State



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Floodplain Mapping Updates of Stream WB-1

ID# 031000491

Sponsor (name of entity, not person) Flower Mound

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

## Study Details

Study type Watershed Planning

Study description Floodplain mapping of Stream WB-1 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.

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

County Denton Watershed HUC# (if known) 120301030804,120301040304,120301040305

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

## 100-Year Flood Risk Summary

Population at risk 1,088 # of structures 436 Critical facilities 87

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

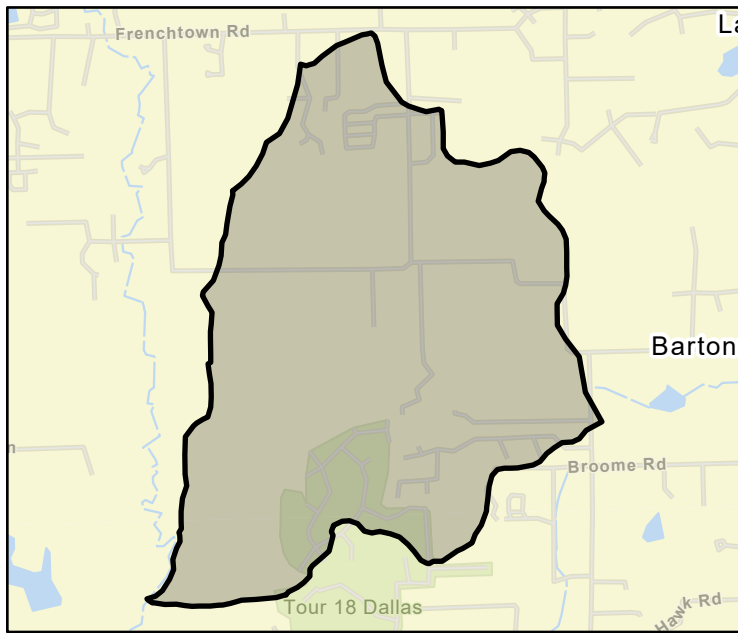
Farm/Ranch land impacted (acres) 1,049 Roadway(s) impacted (length) 26

Number of low water crossings 0 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$63,000 Amount of Available Funding 6,300 Federal funding availability Yes

Funding source Local, State



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Floodplain Mapping Updates of Stream WC-1**

ID# **031000492**

Sponsor (name of entity, not person) **Flower Mound**

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

## Study Details

Study type **Watershed Planning**

Study description **Floodplain mapping of Stream WC-1 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.**

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

County **Denton** Watershed HUC# (if known) **120301040306,120301040305**

Drainage area (Square miles, est.) **0** Goal(s) **03000005, 03000006, 03000009, 03000010**

## 100-Year Flood Risk Summary

Population at risk **580** # of structures **116** Critical facilities **26**

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

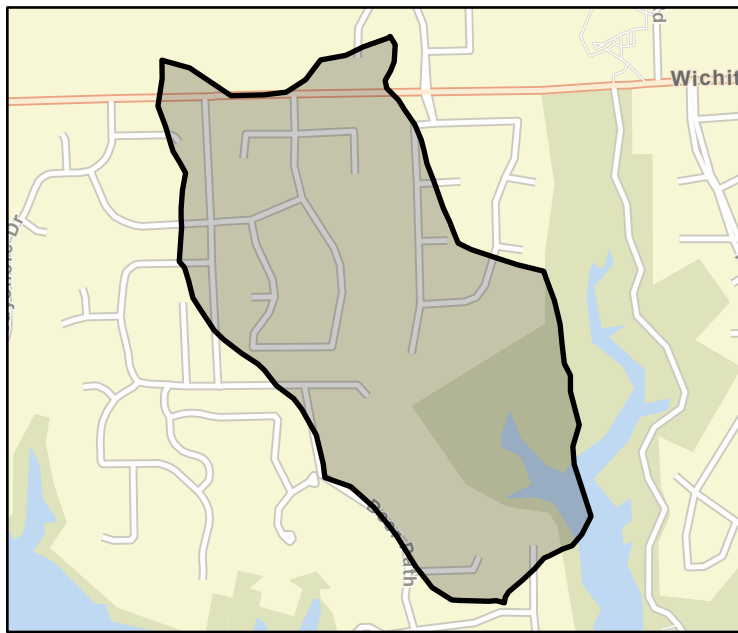
Farm/Ranch land impacted (acres) **74** Roadway(s) impacted (length) **16**

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

## Estimated Cost and Funding Availability

Total Cost **\$58,000** Amount of Available Funding **5,800** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Floodplain Mapping Updates of Stream WC-3**

ID# **031000493**

Sponsor (name of entity, not person) **Flower Mound**

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

## Study Details

Study type **Watershed Planning**

Study description **Floodplain mapping of Stream WC-3 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.**

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

County **Denton** Watershed HUC# (if known) **120301040306,120301040305**

Drainage area (Square miles, est.) **0** Goal(s) **03000005, 03000006, 03000009, 03000010**

## 100-Year Flood Risk Summary

Population at risk **254** # of structures **69** Critical facilities **14**

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

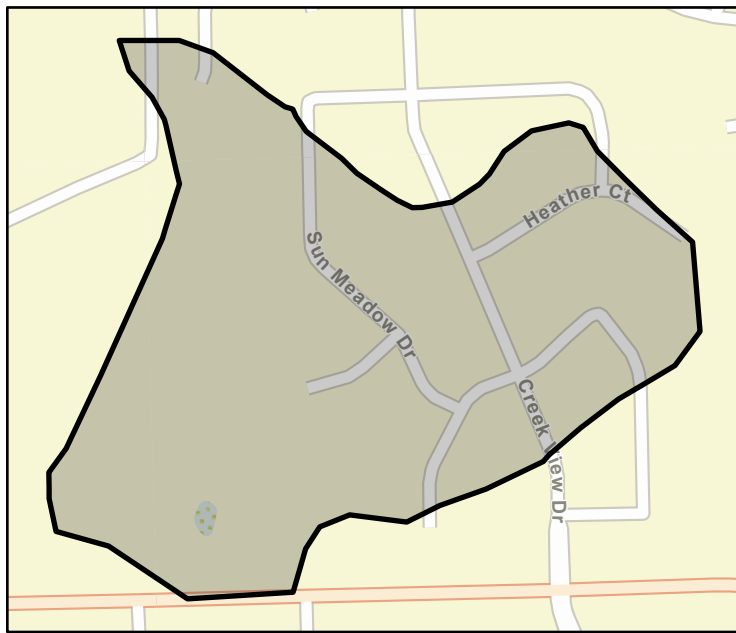
Farm/Ranch land impacted (acres) **32** Roadway(s) impacted (length) **14**

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

## Estimated Cost and Funding Availability

Total Cost **\$56,000** Amount of Available Funding **5,600** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Floodplain Mapping Updates of Stream WC-4

ID# 031000494

Sponsor (name of entity, not person) Flower Mound

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

## Study Details

Study type Watershed Planning

Study description Floodplain mapping of Stream WC-4 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.

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

County Denton Watershed HUC# (if known) 120301031002,120301040306

Drainage area (Square miles, est.) 0 Goal(s) 03000005, 03000006, 03000009, 03000010

## 100-Year Flood Risk Summary

Population at risk 184 # of structures 59 Critical facilities 29

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

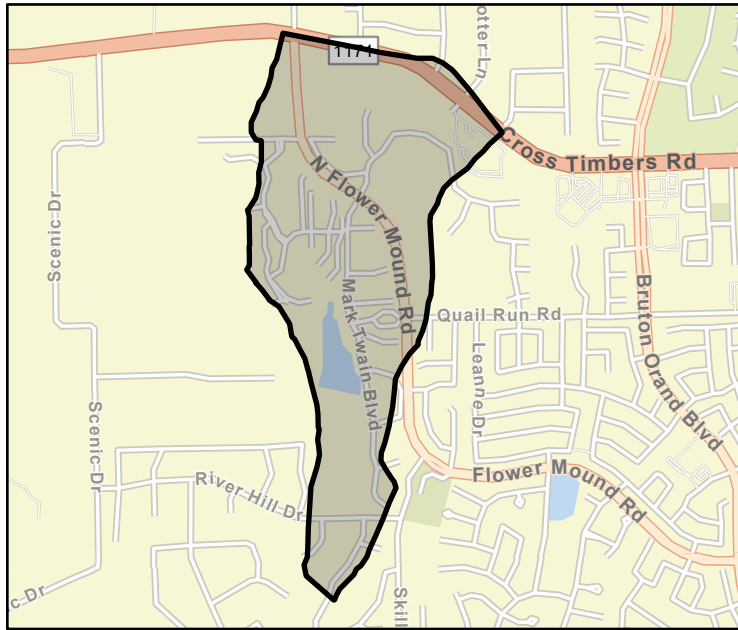
Farm/Ranch land impacted (acres) 206 Roadway(s) impacted (length) 35

Number of low water crossings 0 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$56,000 Amount of Available Funding 5,600 Federal funding availability Yes

Funding source Local, State



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Floodplain Mapping Updates of TC-2 Tributary 2**

ID# **031000495**

Sponsor (name of entity, not person) **Flower Mound**

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

## Study Details

Study type **Watershed Planning**

Study description **Floodplain mapping of TC-2 Tributary 2 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.**

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

County **Denton** Watershed HUC# (if known) **120301031002**

Drainage area (Square miles, est.) **0** Goal(s) **03000005, 03000006, 03000009, 03000010**

## 100-Year Flood Risk Summary

Population at risk **1,133** # of structures **388** Critical facilities **41**

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

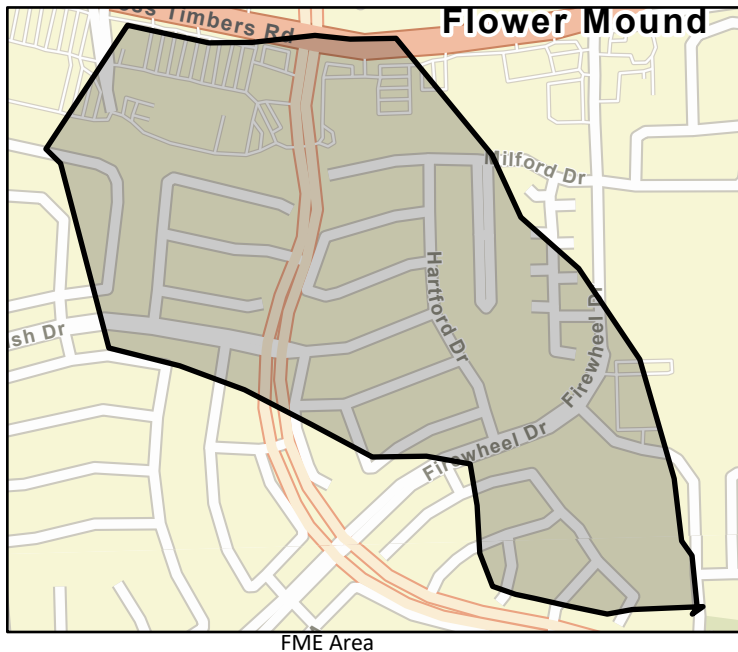
Farm/Ranch land impacted (acres) **3** Roadway(s) impacted (length) **45**

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

## Estimated Cost and Funding Availability

Total Cost **\$56,000** Amount of Available Funding **5,600** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Floodplain Mapping Updates of TC-2 Tributary 4

ID# 031000496

Sponsor (name of entity, not person) Flower Mound

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

## Study Details

Study type Watershed Planning

Study description Floodplain mapping of TC-2 Tributary 4 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.

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

County Denton Watershed HUC# (if known) 120301031002

Drainage area (Square miles, est.) 0 Goal(s) 03000005, 03000006, 03000009, 03000010

## 100-Year Flood Risk Summary

Population at risk 2,085 # of structures 484 Critical facilities 57

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

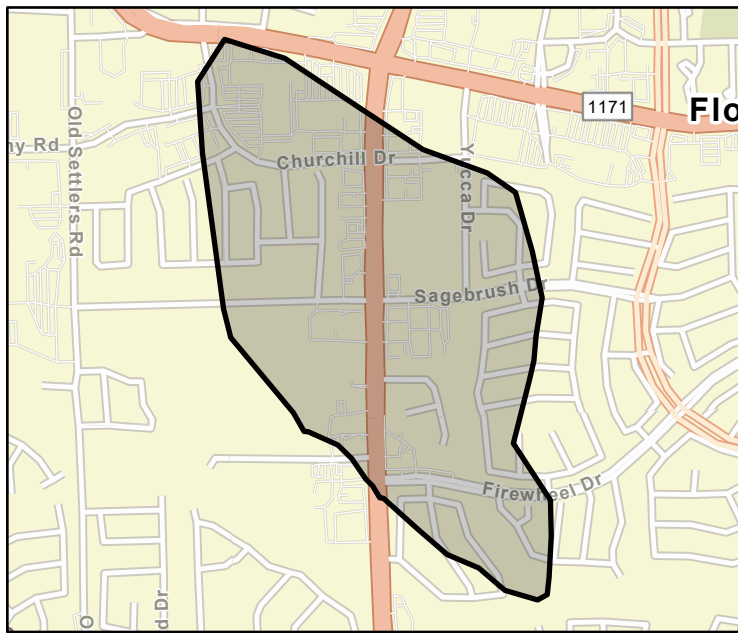
Farm/Ranch land impacted (acres) 11 Roadway(s) impacted (length) 31

Number of low water crossings 0 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$56,000 Amount of Available Funding 5,600 Federal funding availability Yes

Funding source Local, State



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Floodplain Mapping Updates of Timber Creek Tributary 9**

ID# **031000497**

Sponsor (name of entity, not person) **Flower Mound**

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

## Study Details

Study type **Watershed Planning**

Study description **Floodplain mapping of Timber Creek Tributary 9 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.**

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

County **Denton** Watershed HUC# (if known) **120301031001,120301031002**

Drainage area (Square miles, est.) **0** Goal(s) **03000005, 03000006, 03000009, 03000010**

## 100-Year Flood Risk Summary

Population at risk **1,483** # of structures **248** Critical facilities **27**

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

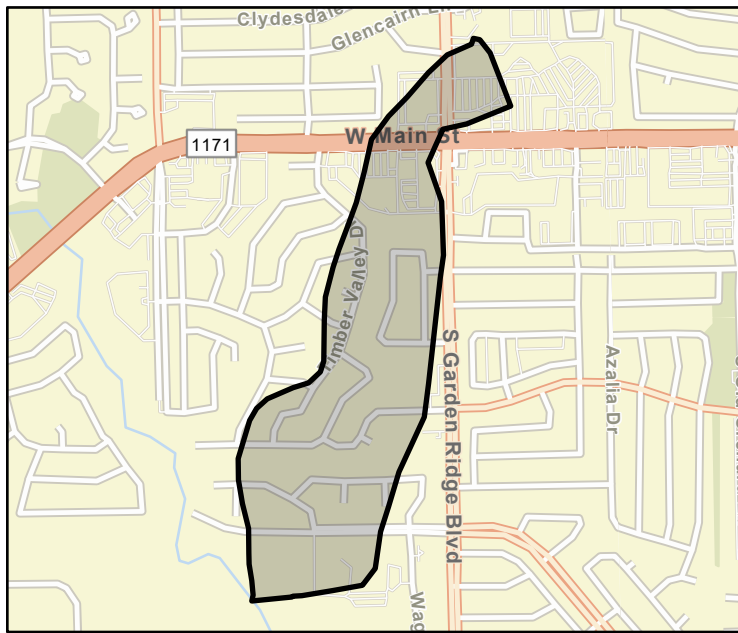
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **15**

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

## Estimated Cost and Funding Availability

Total Cost **\$56,000** Amount of Available Funding **5,600** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area