

# Flood Management Evaluation (FME)



Title **Knights Branch Upper Relief System - Inwood/Mockingbird**

ID# **031000440**

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 **Project Planning**

Study description **Major relief system of enclosed portion of upper Knights Branch watershed from Lowe's culvert extension (downstream of Inwood/Lemon) north on Inwood to about Wateka, using 2-12X10 box culverts, with smaller systems as necessary to provide full relief.**

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

County **Dallas** Watershed HUC# (if known) **120301050101**

Drainage area (Square miles, est.) **1** Goal(s) **03000007, 03000008, 03000013, 03000014, 03000031, 03000032**

## 100-Year Flood Risk Summary

Population at risk **5,984** # of structures **1,875** Critical facilities **135**

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

Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **128**

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 **City of Dallas Dam Program - Bachman Lake Dam**

ID# **031000441**

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 Bachman Lake Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.**

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

County **Dallas** Watershed HUC# (if known) **120301031007**

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**

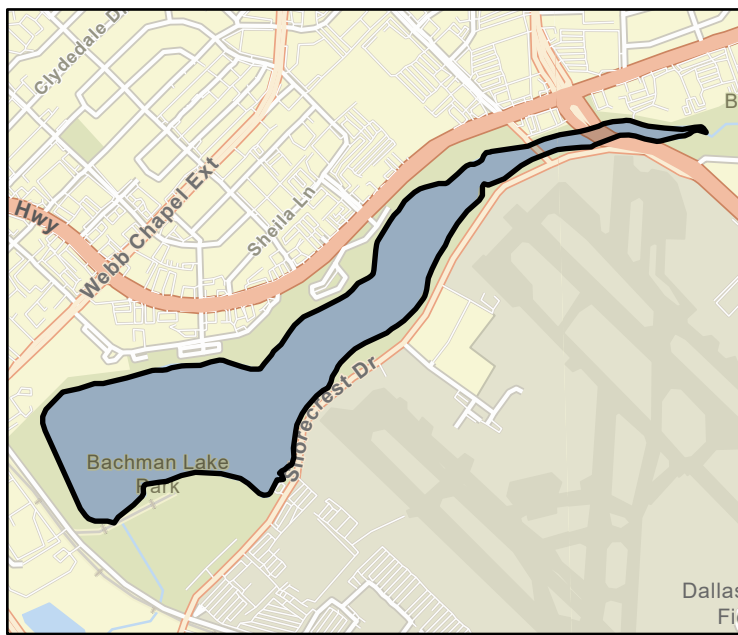
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **0**

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

## Estimated Cost and Funding Availability

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

Funding source **Local, State**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



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

ID# **031000442**

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 Cherrybrook Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.**

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

County **Dallas** Watershed HUC# (if known) **120301050203**

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**

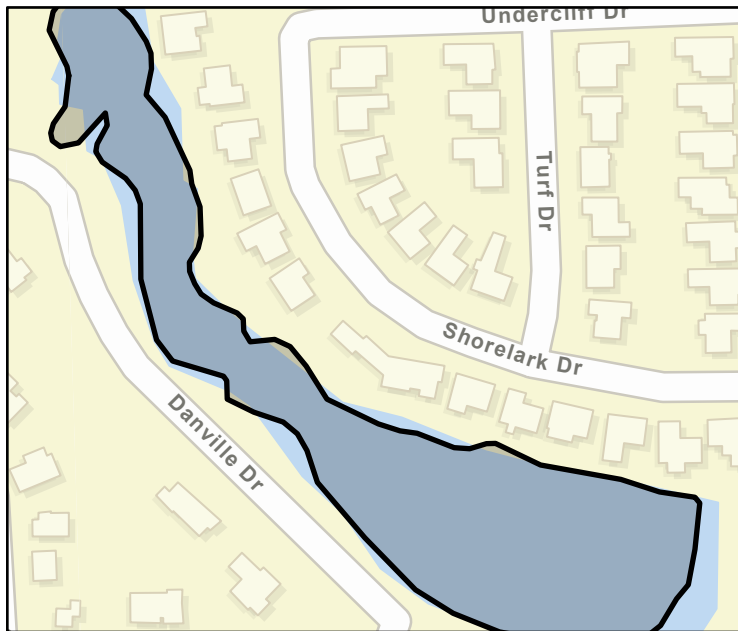
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

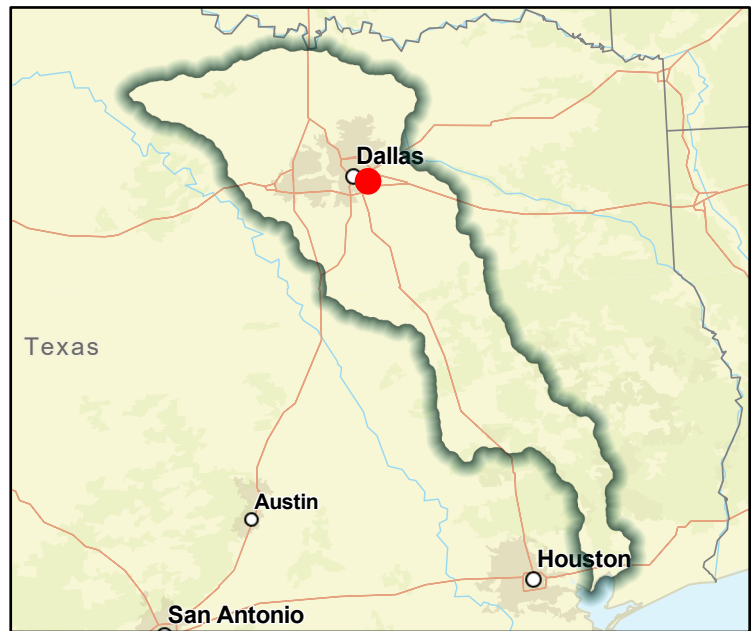
## Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **5,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Dallas Dam Program - Hatfield Branch Detention Dam**

ID# **031000443**

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 Hatfield Branch Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria. Existing emergency spillway altered and does not functioned as hydraulically designed.**

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

County **Dallas** Watershed HUC# (if known) **120301050203**

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**

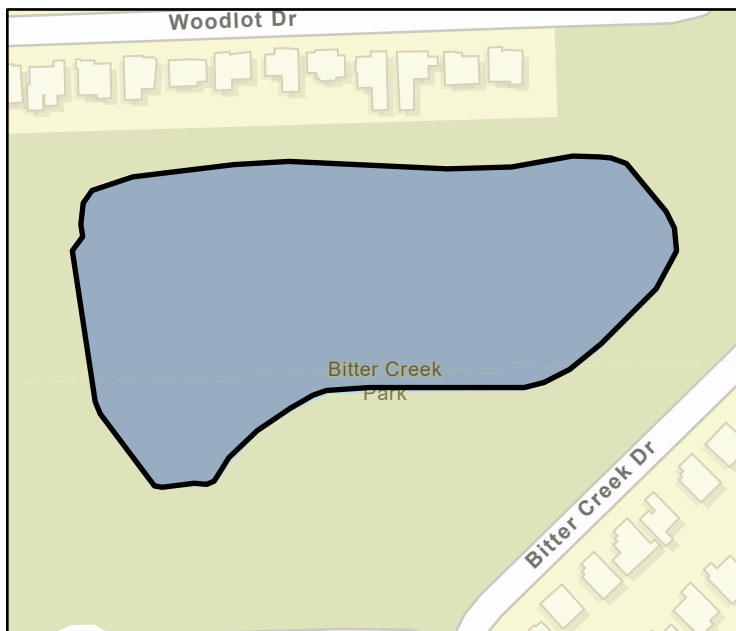
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

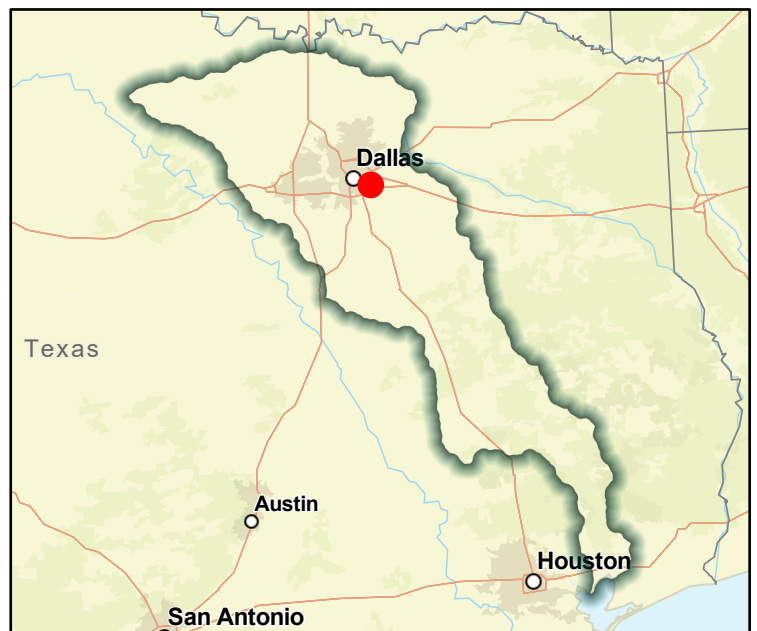
## Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **5,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Dallas Dam Program - Kidd Springs Lake Dam**

ID# **031000444**

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 Kidd Springs Lake Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.**

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

County **Dallas** Watershed HUC# (if known) **120301050102**

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**

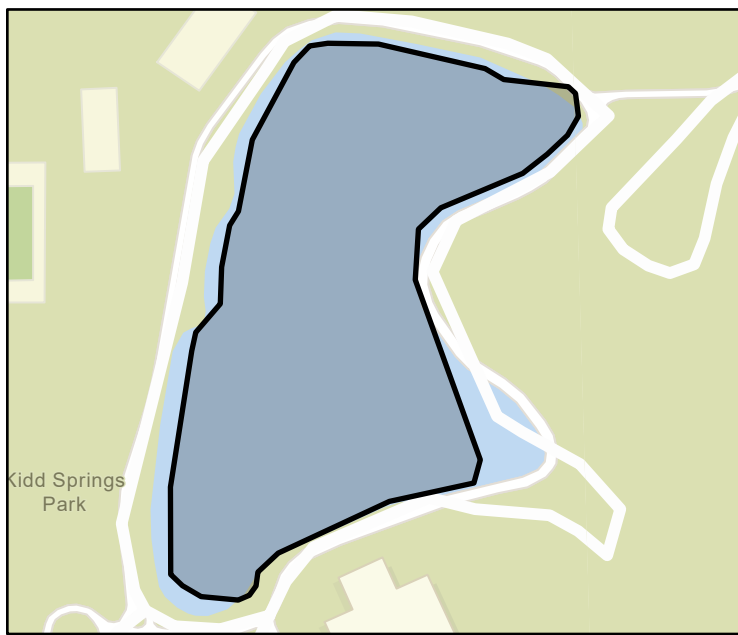
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

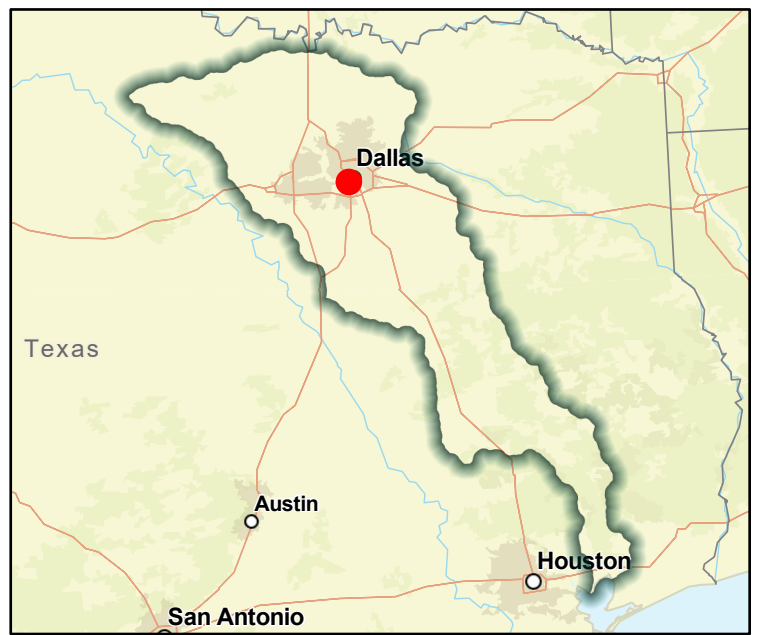
## Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **5,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



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

ID# **031000445**

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 Lake Cliff Dam. Remove trees and establish 4:1 slope on downstream embankment. Improve dam spillway capacity to pass the TCEQ required 75% PMF event.**

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

County **Dallas** Watershed HUC# (if known) **120301050102**

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**

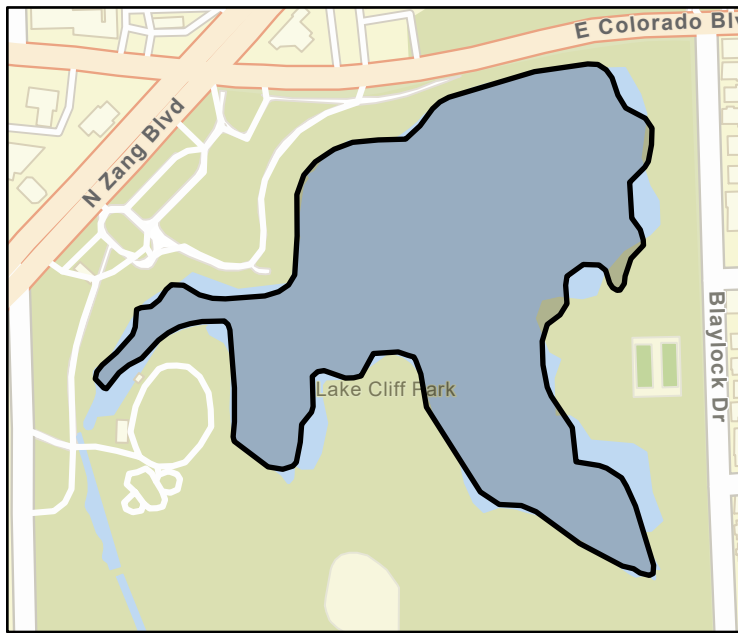
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

## Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **5,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



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

ID# **031000446**

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 Lake Simonds Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.**

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

County **Dallas** Watershed HUC# (if known) **120301050204**

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) **16** 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 **5,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Dallas Dam Program - White Rock Lake Dam**

ID# **031000447**

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 White Rock Lake Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.**

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

County **Dallas** Watershed HUC# (if known) **120301050106,120301050105**

Drainage area (Square miles, est.) **2** 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**

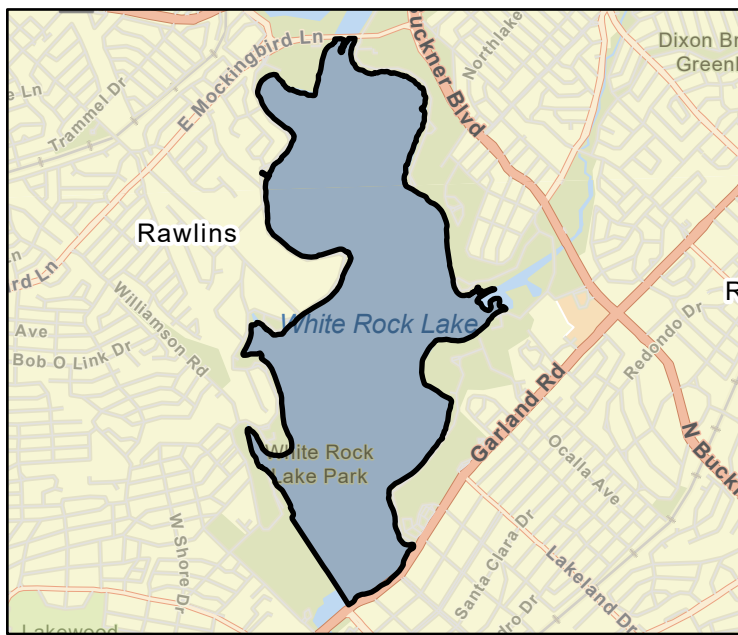
Farm/Ranch land impacted (acres) **8** Roadway(s) impacted (length) **0**

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

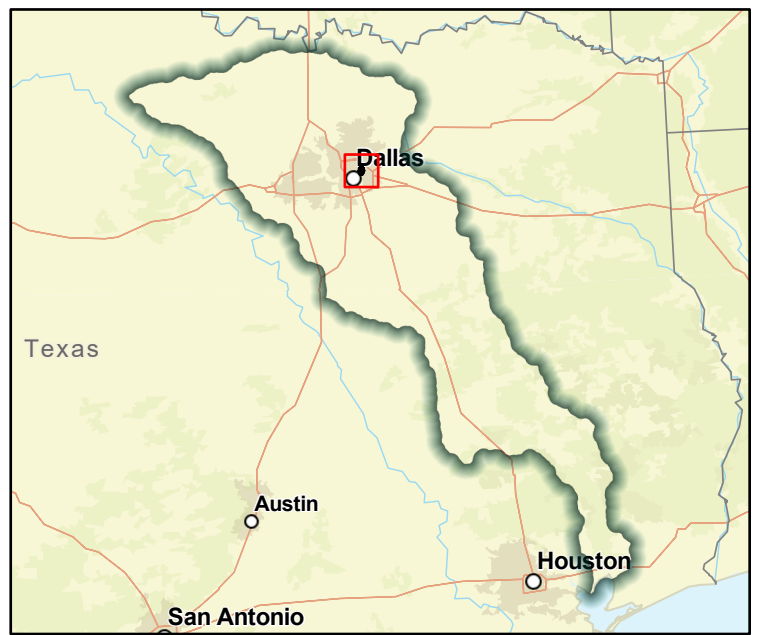
## Estimated Cost and Funding Availability

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 **City of Dallas Dam Program - Woody Branch Dam**

ID# **031000448**

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 for the implementation of erosion protection, RCC separation, survey monumentation, and redoing service road**

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

County **Dallas** Watershed HUC# (if known) **120301050107**

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**

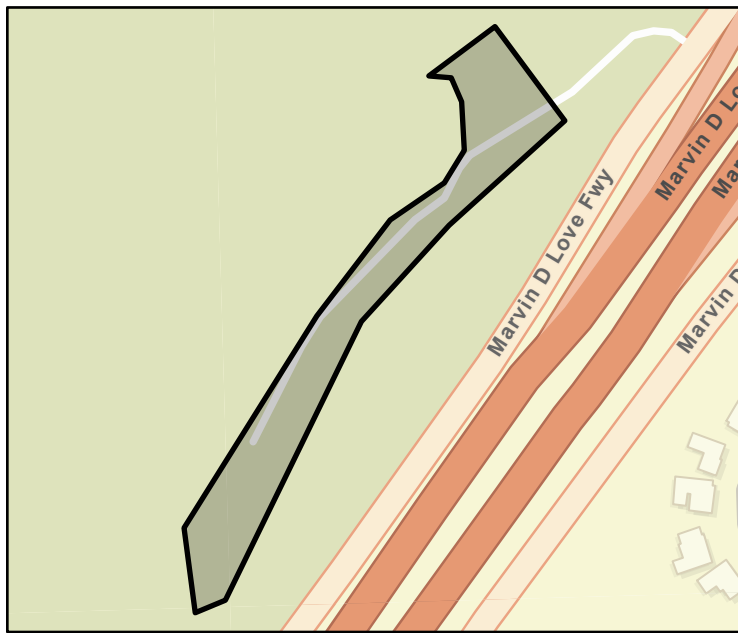
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

## Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **5,000** Federal funding availability **Yes**

Funding source **Local, State**



FME Area



Regional view of FME area

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

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**

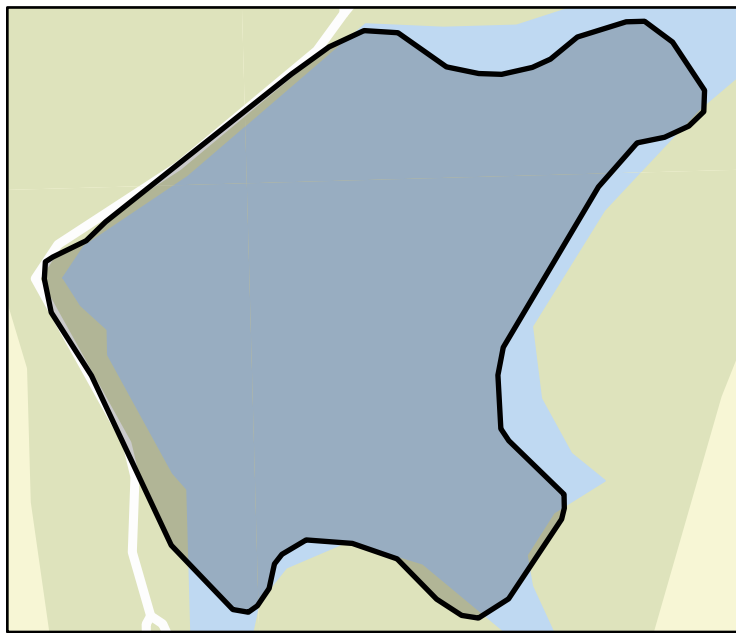
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

## Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **5,000** Federal funding availability **Yes**

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

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**

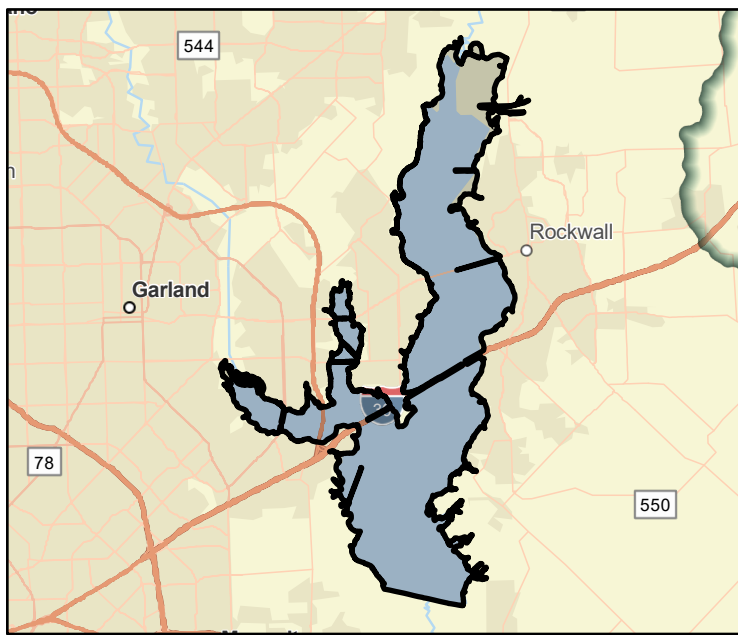
Farm/Ranch land impacted (acres) **295** Roadway(s) impacted (length) **9**

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

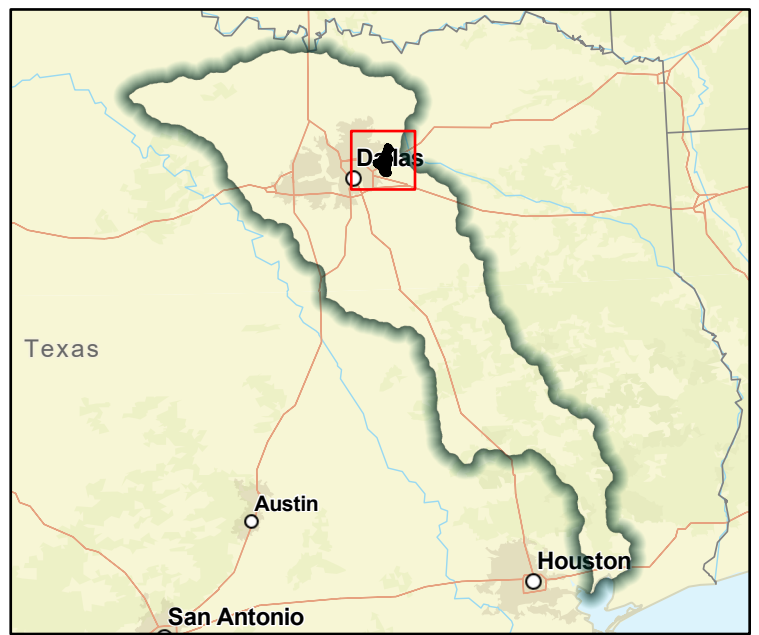
## Estimated Cost and Funding Availability

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

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

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**

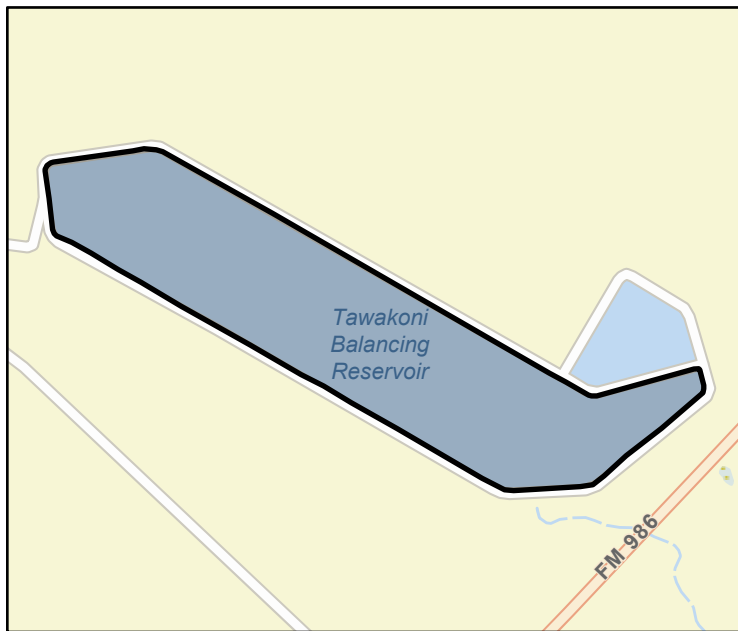
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

## Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **5,000** Federal funding availability **Yes**

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

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**

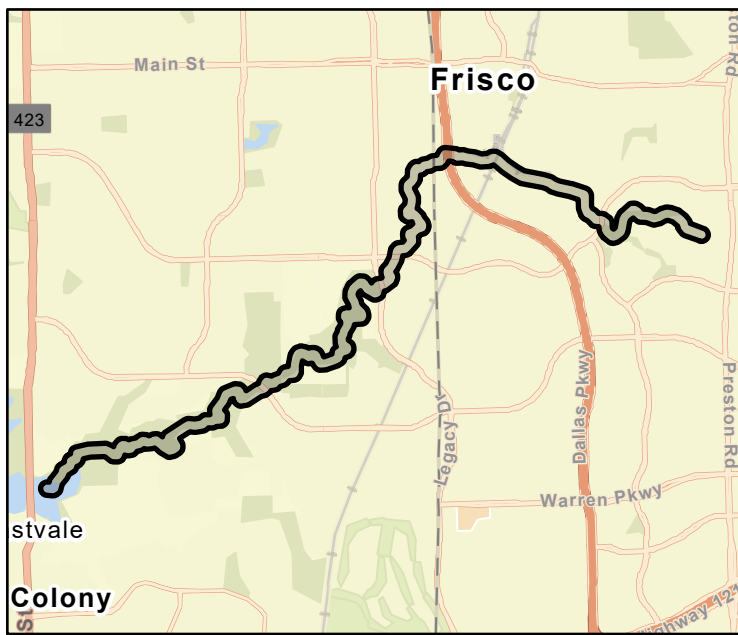
Farm/Ranch land impacted (acres) **27** Roadway(s) impacted (length) **1**

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

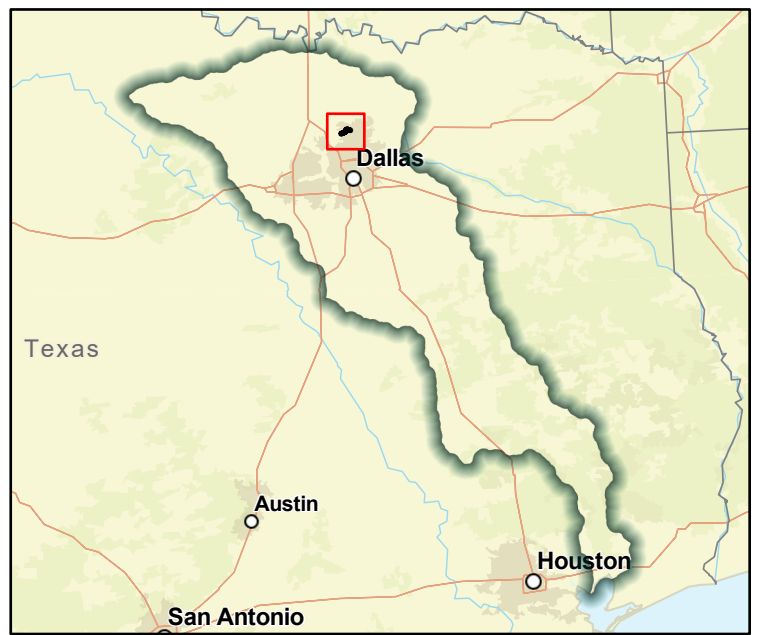
## Estimated Cost and Funding Availability

Total Cost **\$350,000** Amount of Available Funding **35,000** Federal funding availability **Yes**

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

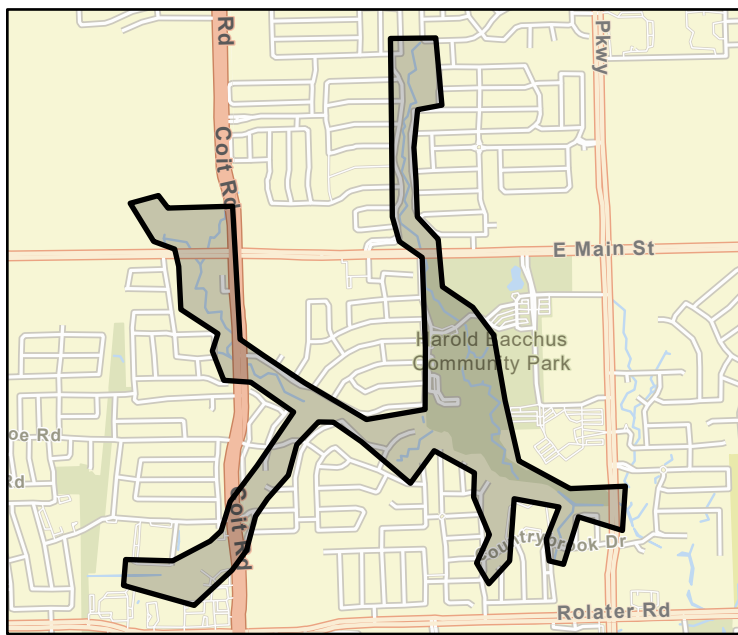
Study type Project Planning  
 Study description Updates to existing study to perform creek bank stabilization in the Edgewood neighborhood  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No  
 County Collin Watershed HUC# (if known) 120301060404  
 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 52,000 Federal funding availability Yes  
 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? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

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**

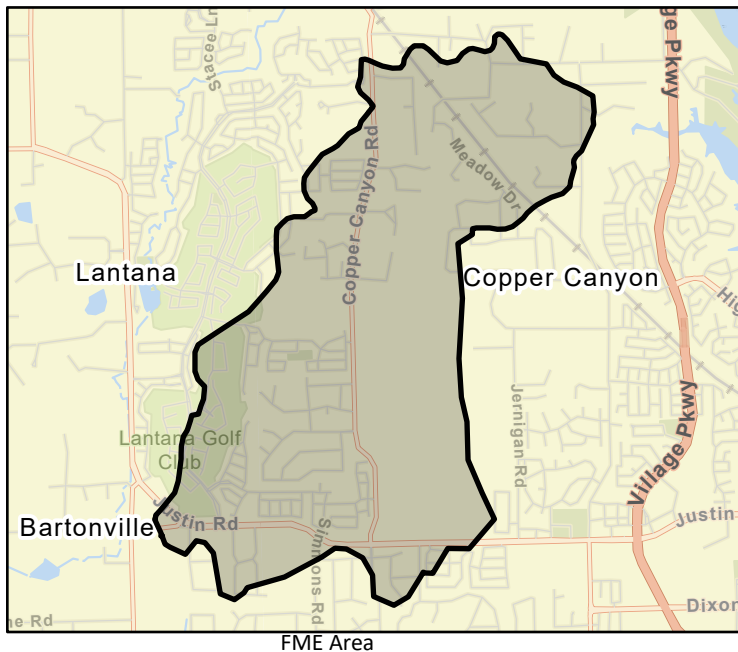
Farm/Ranch land impacted (acres) **901** Roadway(s) impacted (length) **72**

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

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **12,500** Federal funding availability **Yes**

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

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**

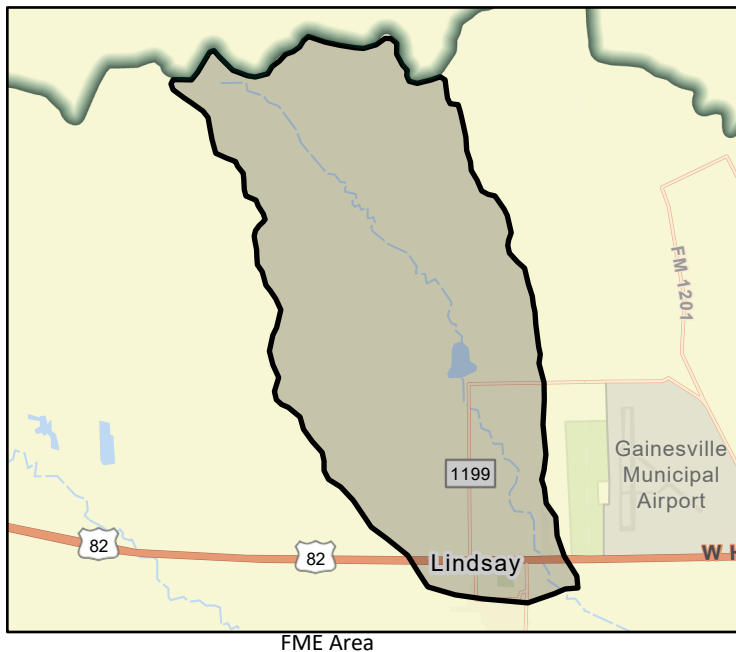
Farm/Ranch land impacted (acres) **6,317** Roadway(s) impacted (length) **87**

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

## Estimated Cost and Funding Availability

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

Funding source **Local, State**



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

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

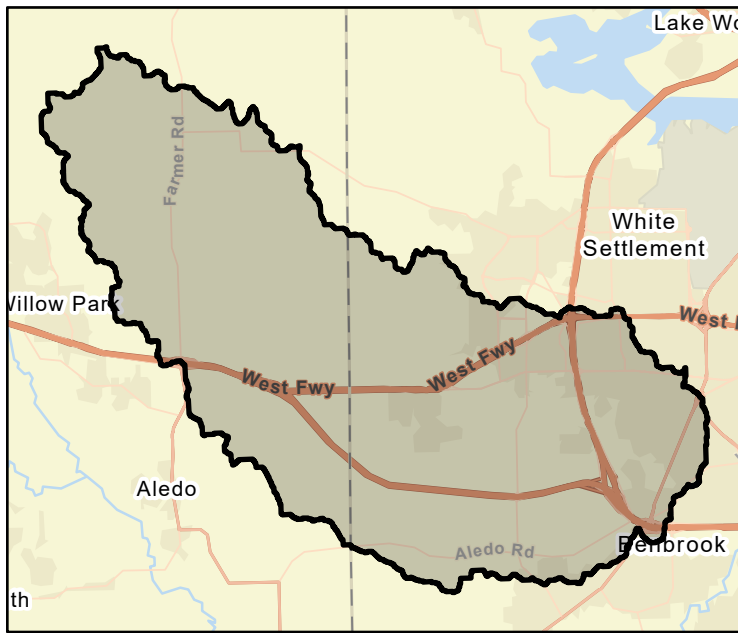
Farm/Ranch land impacted (acres) 2,623 Roadway(s) impacted (length) 19

Number of low water crossings 32 Historical road closures -

## Estimated Cost and Funding Availability

Total Cost \$1,229,000 Amount of Available Funding 122,900 Federal funding availability Yes

Funding source Local, State



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

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

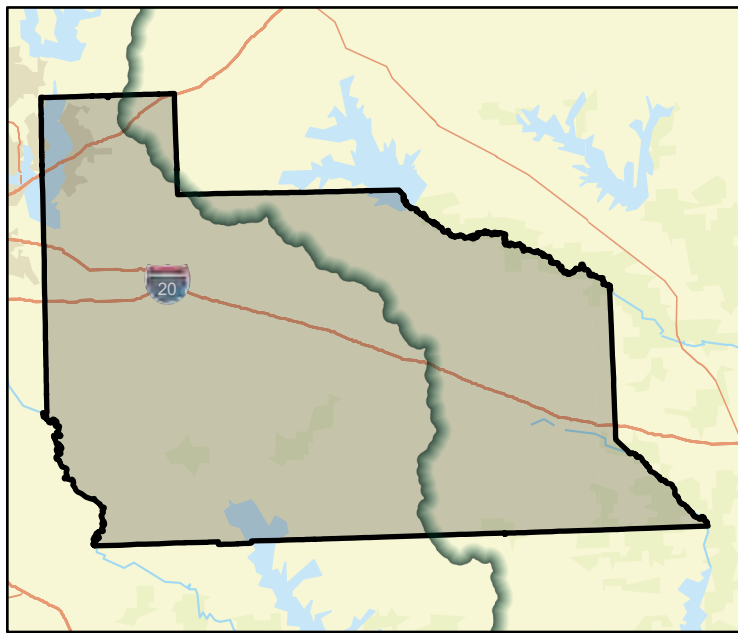
Farm/Ranch land impacted (acres) 110,670 Roadway(s) impacted (length) 219

Number of low water crossings 33 Historical road closures -

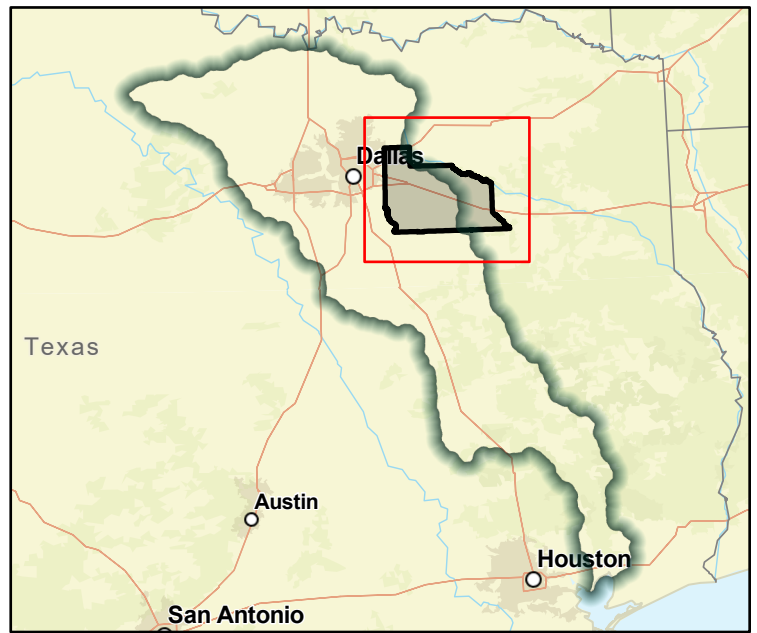
## Estimated Cost and Funding Availability

Total Cost \$738,000 Amount of Available Funding 0 Federal funding availability Yes

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

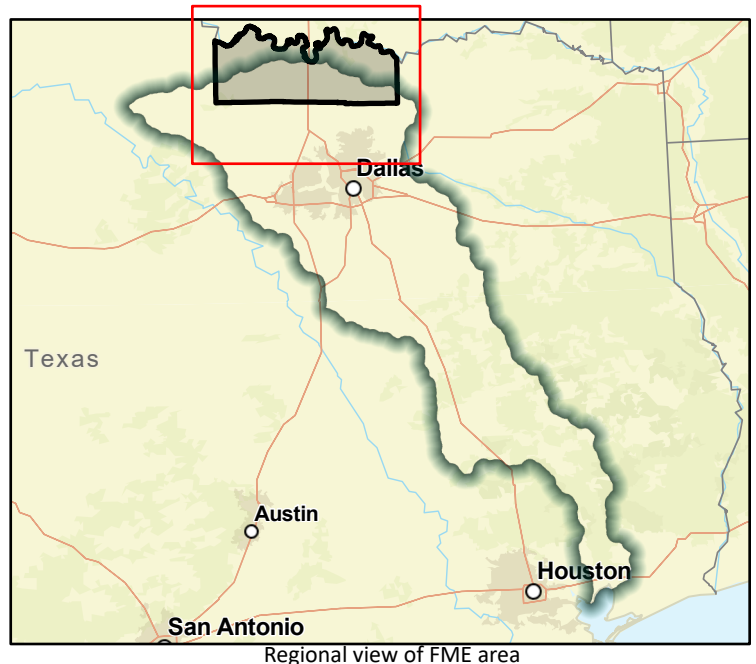
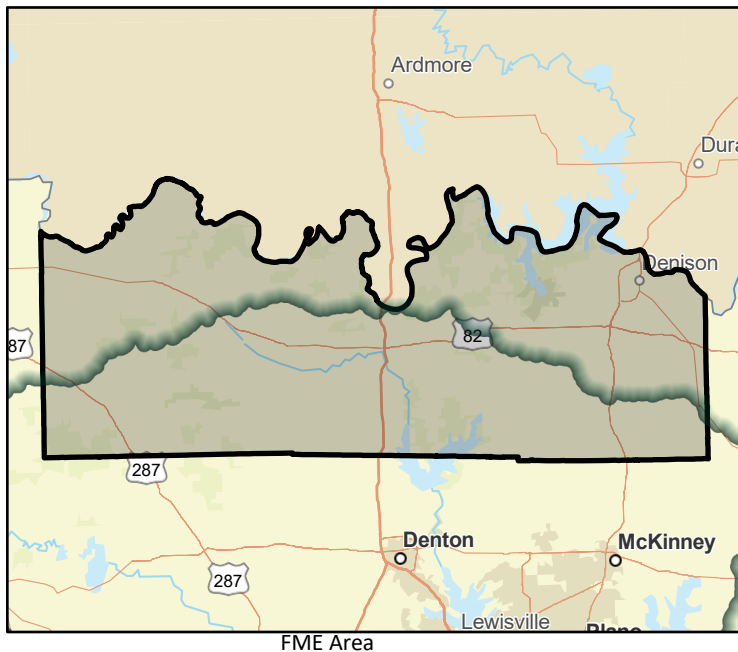
Study type Other  
 Study description Upper Elm-Red watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No  
 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 132,200 Federal funding availability Yes  
 Funding source Local, State



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

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 **-**

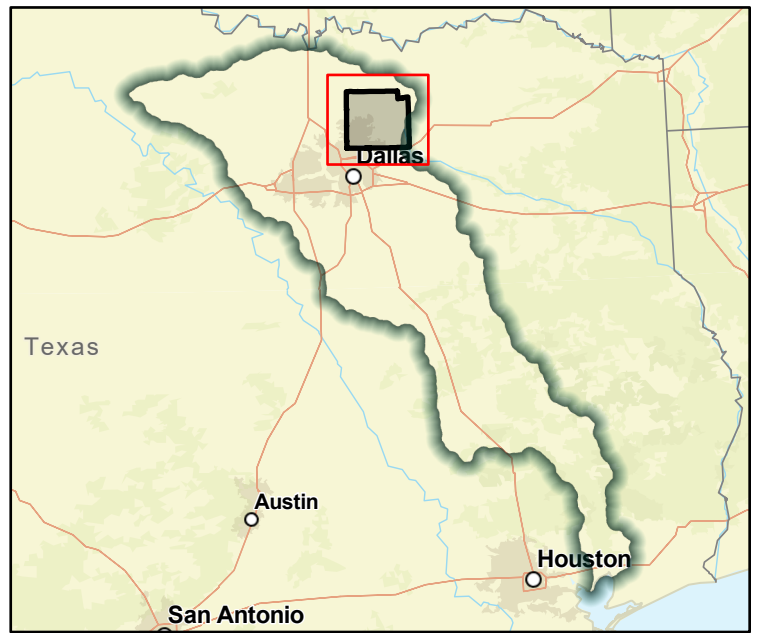
## Estimated Cost and Funding Availability

Total Cost **\$858,000** Amount of Available Funding **0** Federal funding availability **Yes**

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

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**

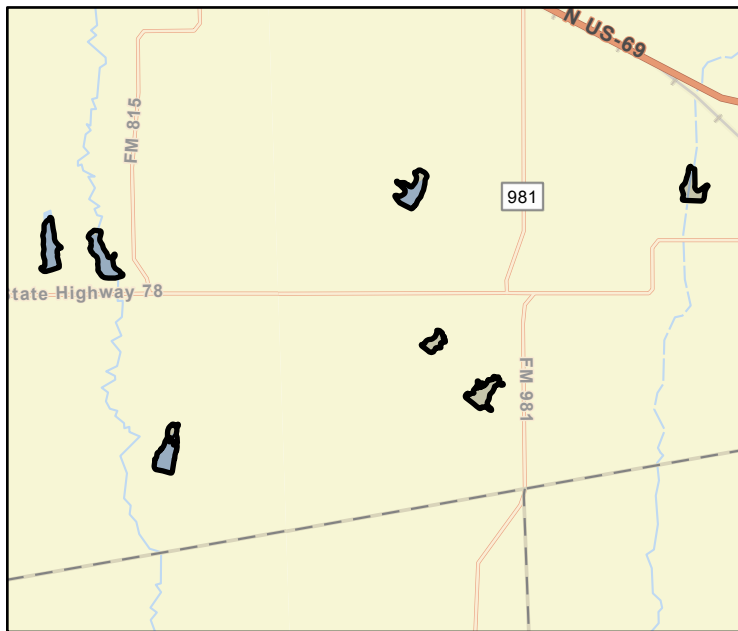
Farm/Ranch land impacted (acres) **17** Roadway(s) impacted (length) **0**

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

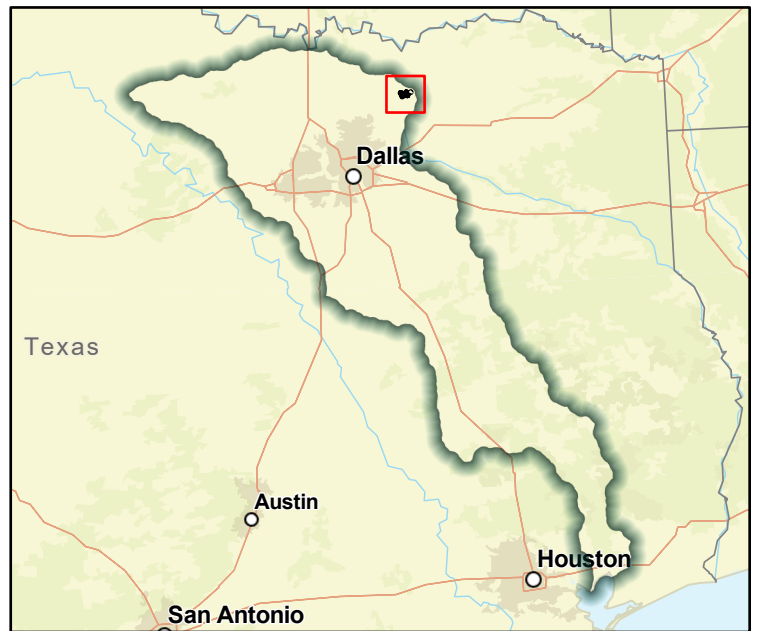
## Estimated Cost and Funding Availability

Total Cost **\$408,000** Amount of Available Funding **0** Federal funding availability **Yes**

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? Yes Emergency Need? No Existing/Anticipated models in near term? No  
 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 25,000 Federal funding availability Yes  
 Funding source Local, State



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

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**

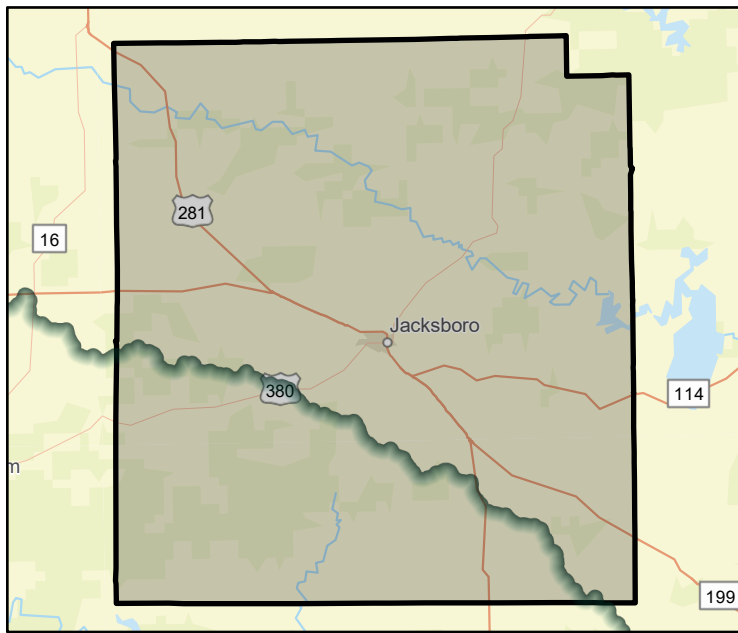
Farm/Ranch land impacted (acres) **33,796** Roadway(s) impacted (length) **55**

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

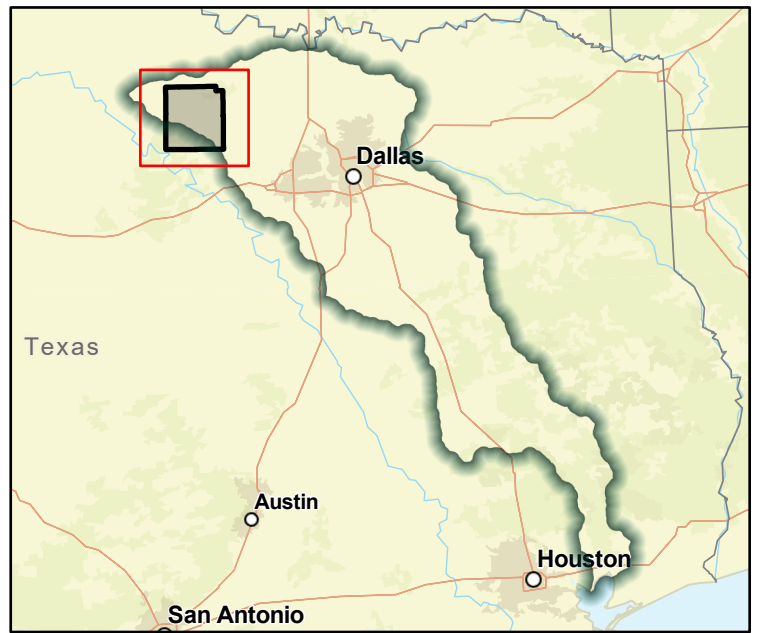
## Estimated Cost and Funding Availability

Total Cost **\$503,000** Amount of Available Funding **50,300** Federal funding availability **Yes**

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

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**

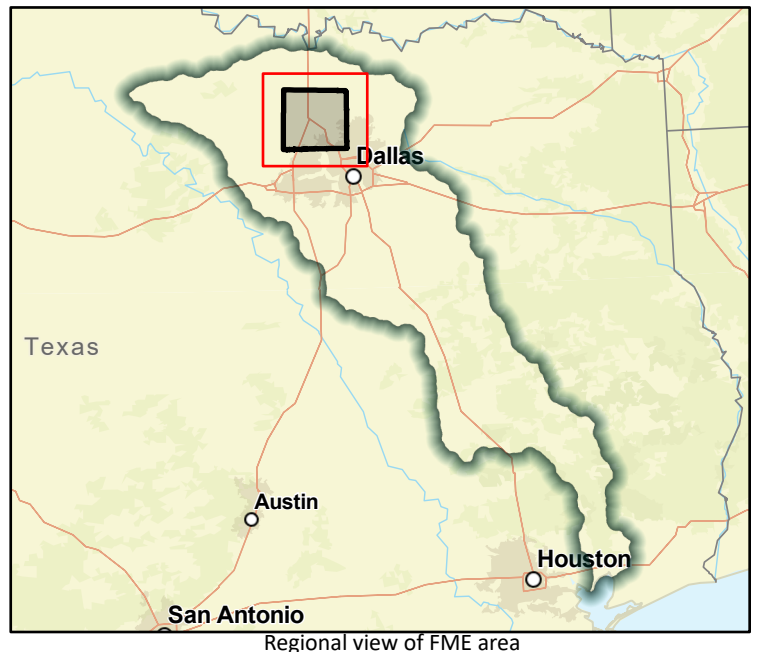
Farm/Ranch land impacted (acres) **53,564** Roadway(s) impacted (length) **241**

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

## Estimated Cost and Funding Availability

Total Cost **\$618,000** Amount of Available Funding **61,800** Federal funding availability **Yes**

Funding source **Local, State**



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

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**

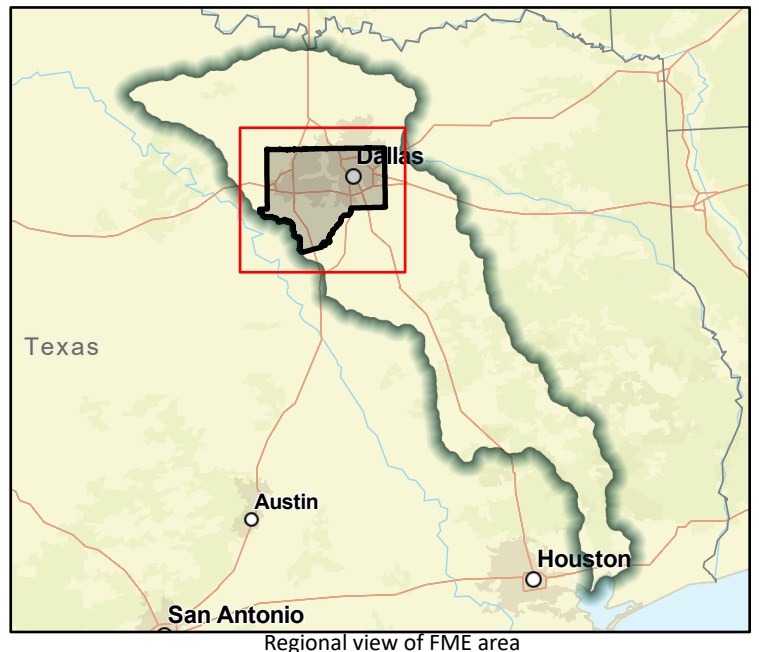
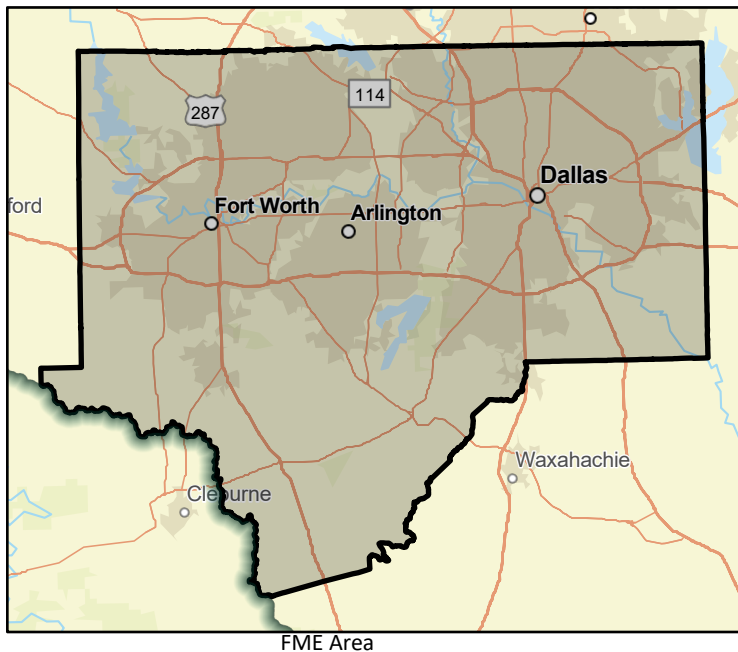
Farm/Ranch land impacted (acres) **78,807** Roadway(s) impacted (length) **1,361**

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

## Estimated Cost and Funding Availability

Total Cost **\$923,000** Amount of Available Funding **92,300** Federal funding availability **Yes**

Funding source **Local, State**



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

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

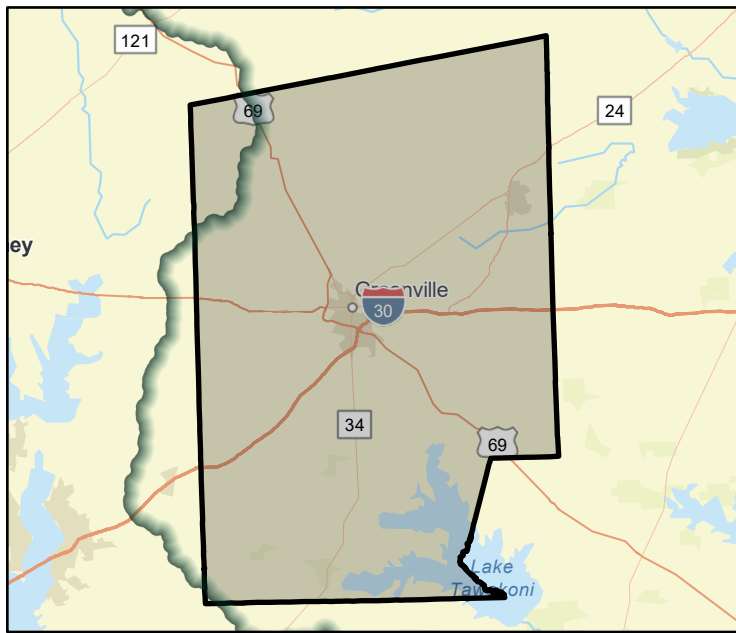
Farm/Ranch land impacted (acres) 2,148 Roadway(s) impacted (length) 4

Number of low water crossings 0 Historical road closures -

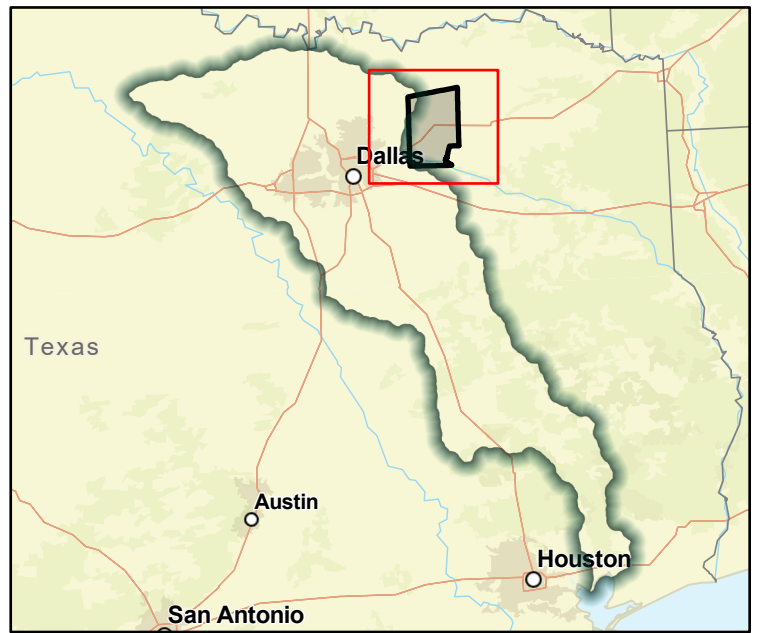
## Estimated Cost and Funding Availability

Total Cost \$454,000 Amount of Available Funding 0 Federal funding availability Yes

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

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**

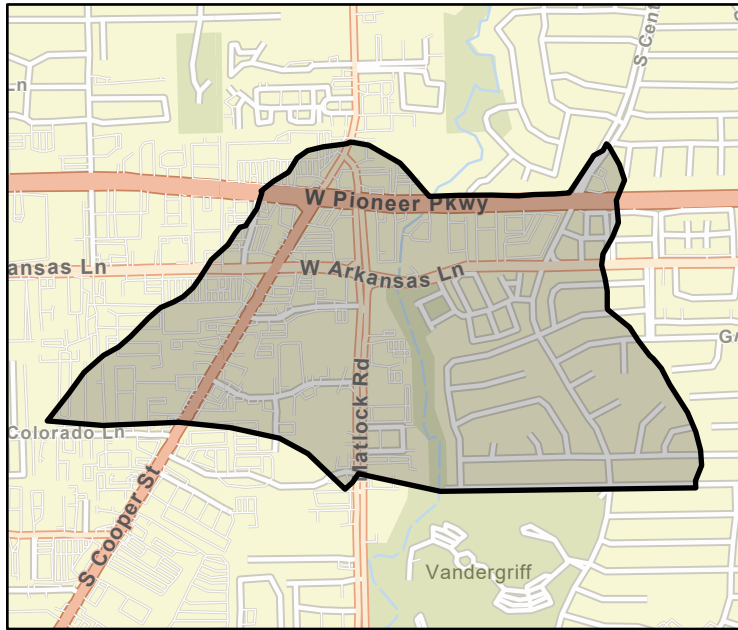
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

## Estimated Cost and Funding Availability

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

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

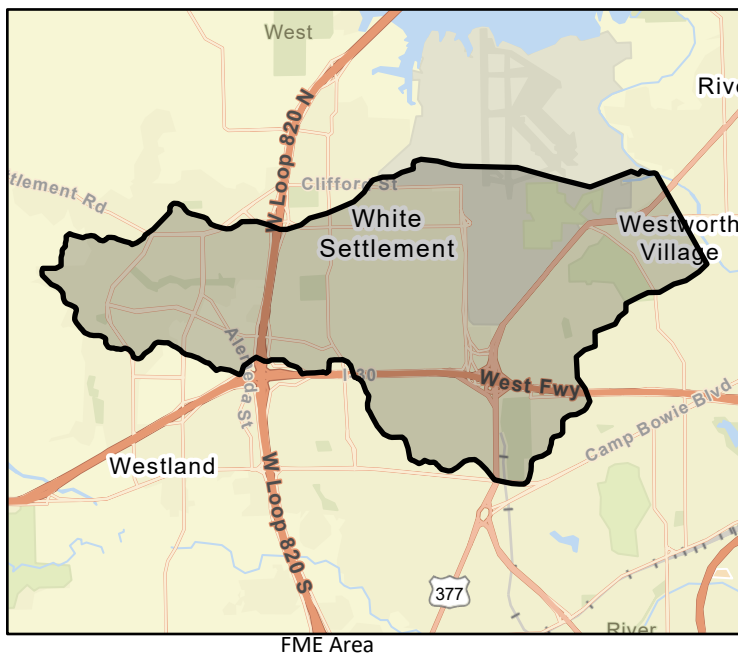
Study type Project Planning  
 Study description Flood study to identify areas that will be suitable for an FMP for future floodplain cycles.  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No  
 County Tarrant Watershed HUC# (if known) 120301020104,120301020105,120301020306,120301020307  
 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 25,000 Federal funding availability Yes  
 Funding source Local, State





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

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 **67,800** Federal funding availability **Yes**

Funding source **Local, State**

