

# Flood Management Evaluation (FME)

Title Planning Phase Study Report for Fairgreen & Eastex Freeway Forest Subdivisions  
Drainage Improvements 2019

ID# 061000414

Sponsor (name of entity, not person) Harris (County)

RFPG recommend? - Reason for Recommendation -



## Study Details

Study type Project Planning

Study description Further study of Scenarios A, B and C recommended by the Fairgreen & Eastex Freeway Forest Subdivisions Drainage Report. Will develop Benefit Cost Analysis and other data required for a FMP designation.

New Hydrologic or Hydraulic model? - Emergency Need? - Existing/Anticipated models in near term? -

County Harris Watershed HUC# (if known) 120401040604,120401040603

Drainage area (Square miles, est.) 0 Goal(s) 06000001,06000011,06000012,06000015

## 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

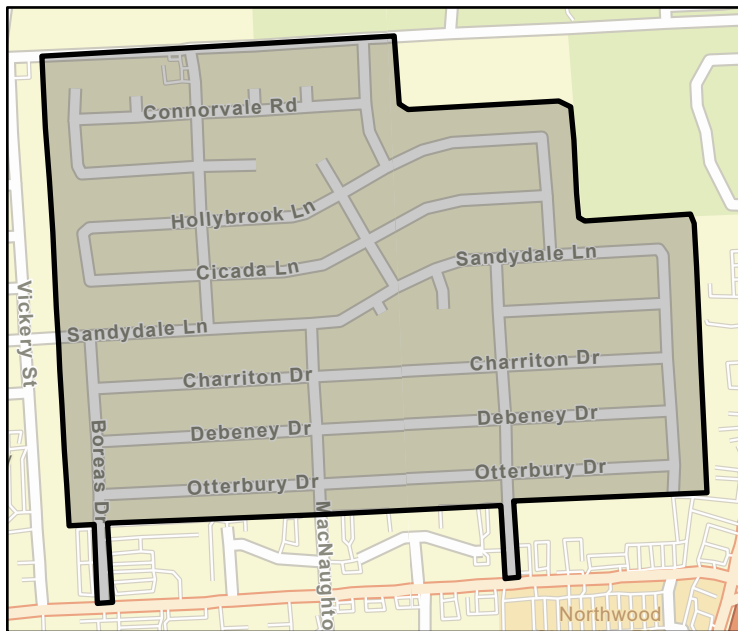
Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) 0

Number of low water crossings - Historical road closures -

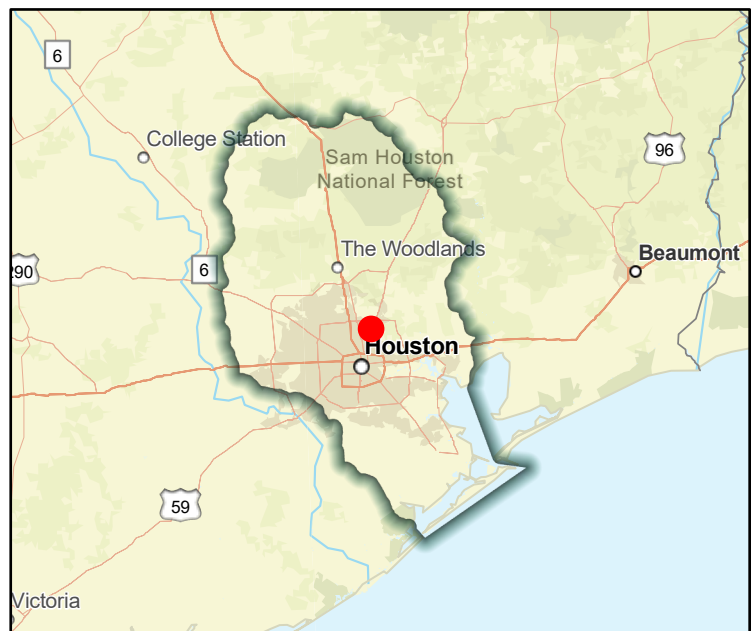
## Estimated Cost and Funding Availability

Total Cost \$755,000 Amount of Available Funding - Federal funding availability -

Funding source Harris County Bond Program 2018



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

Title Preliminary Drainage & Infrastructure Improvements Happy Hide A Way Subdivison

ID# 061000025

Sponsor (name of entity, not person) Harris (County)

RFPG recommend? - Reason for Recommendation -



SAN JACINTO REGIONAL FLOOD PLANNING GROUP  
**REGION 6**

## Study Details

Study type Project Planning

Study description Additional analysis in the Jackson Bayou watershed, specifically along R102-00-00, is needed to determine the necessary improvements and provide a no impact solution.

New Hydrologic or Hydraulic model? - Emergency Need? - Existing/Anticipated models in near term? -

County Harris Watershed HUC# (if known) 120401040704

Drainage area (Square miles, est.) 0 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk - # of structures - Critical facilities -

Flood risk type: Riverine? <Null> Coastal? <Null> Local? <Null> Playa? <Null> Other? <Null>

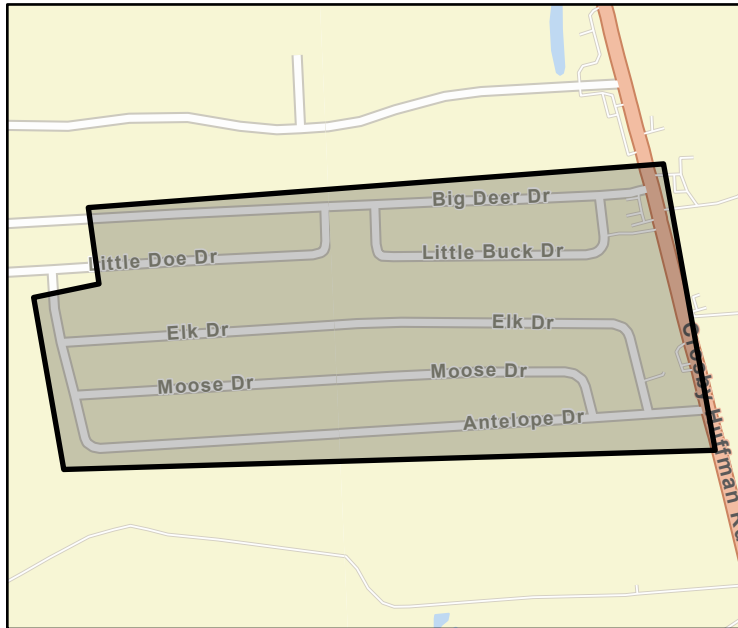
Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) -

Number of low water crossings - Historical road closures -

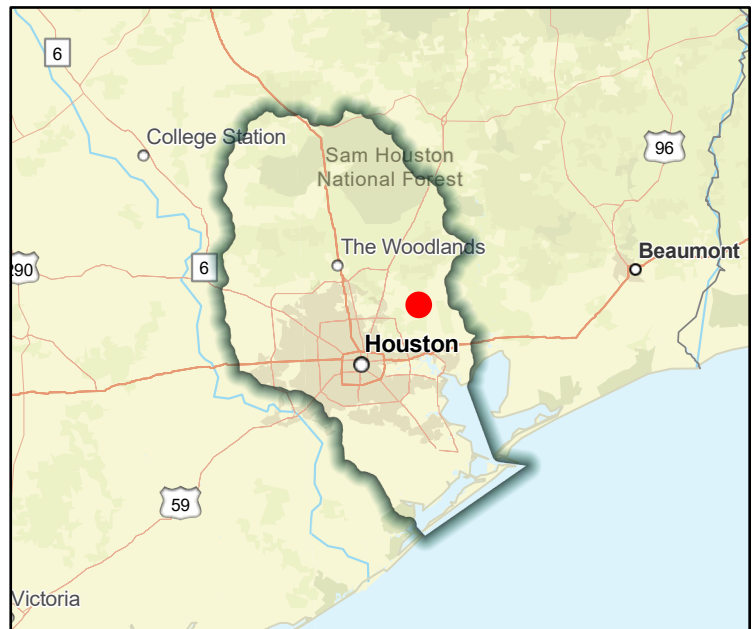
## Estimated Cost and Funding Availability

Total Cost \$890,000 Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Property Protection, Structural Project

ID# 061000086

Sponsor (name of entity, not person) New Waverly (Municipality)

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Generate base flood elevation data for flood map revisions. Use floodplain study to identify future mitigation activities to improve water ways and flood carrying capacities. Area to include approximately 4 miles of floodway in New Waverly.

New Hydrologic or Hydraulic model? - Emergency Need? - Existing/Anticipated models in near term? -

County Walker Watershed HUC# (if known) 120401030101

Drainage area (Square miles, est.) 2 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 19 # of structures 23 Critical facilities 0

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

Farm/Ranch land impacted (acres) 1 Roadway(s) impacted (length) 0

Number of low water crossings 0 Historical road closures 0

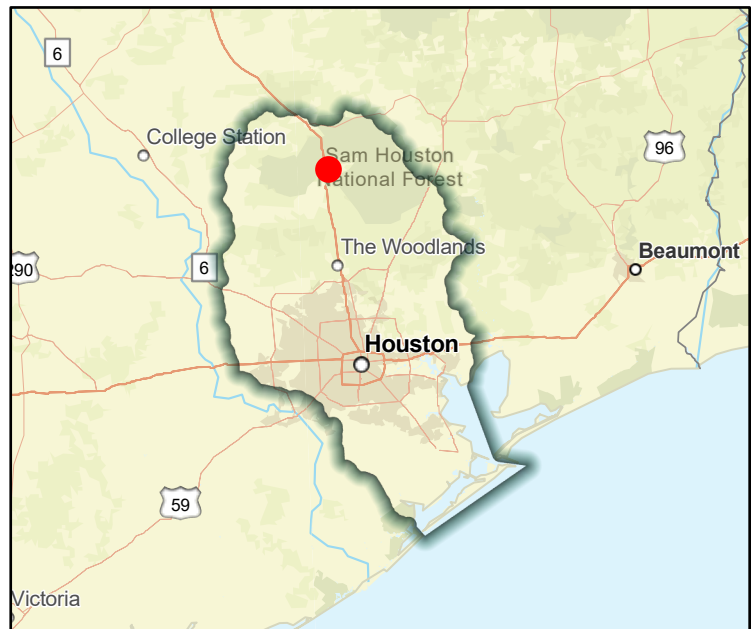
## Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP  
**REGION 6**

Title **Raise Road Surfaces in City of Plum Grove**

ID# **061000102**

Sponsor (name of entity, not person) **Plum Grove (Municipality)**

RFPG recommend? **-**

Reason for Recommendation **-**

## Study Details

Study type **Project Planning**

Study description **Further evaluation of road surface elevation.**

New Hydrologic or Hydraulic model? **-**

Emergency Need? **-**

Existing/Anticipated models in near term? **-**

County **Liberty**

Watershed HUC# (if known) **120401030402**

Drainage area (Square miles, est.) **4**

Goal(s) **06000001,06000011,06000012,06000015**

## 100-Year Flood Risk Summary

Population at risk **589**

# of structures **363**

Critical facilities **1**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **9**

Roadway(s) impacted (length) **9**

Number of low water crossings **0**

Historical road closures **0**

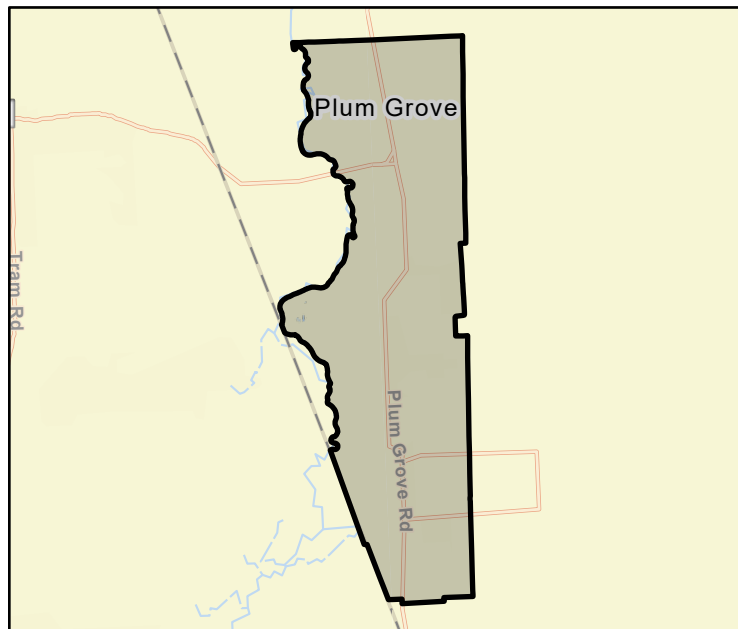
## Estimated Cost and Funding Availability

Total Cost **\$50,000**

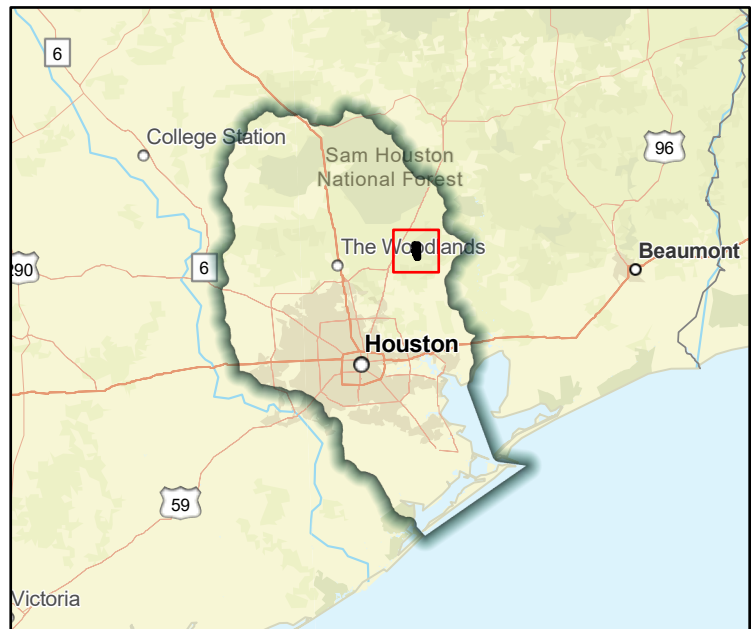
Amount of Available Funding **-**

Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP  
**REGION 6**

Title **Ralston Acres Subdivision Drainage Improvements**

ID# **061000466**

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

RFPG recommend? **-** Reason for Recommendation **-**

## Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.**

New Hydrologic or Hydraulic model? **-** Emergency Need? **-** Existing/Anticipated models in near term? **-**

County **Harris** Watershed HUC# (if known) **120401040605,120401040604,120401040606**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

## 100-Year Flood Risk Summary

Population at risk **571** # of structures **271** Critical facilities **0**

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

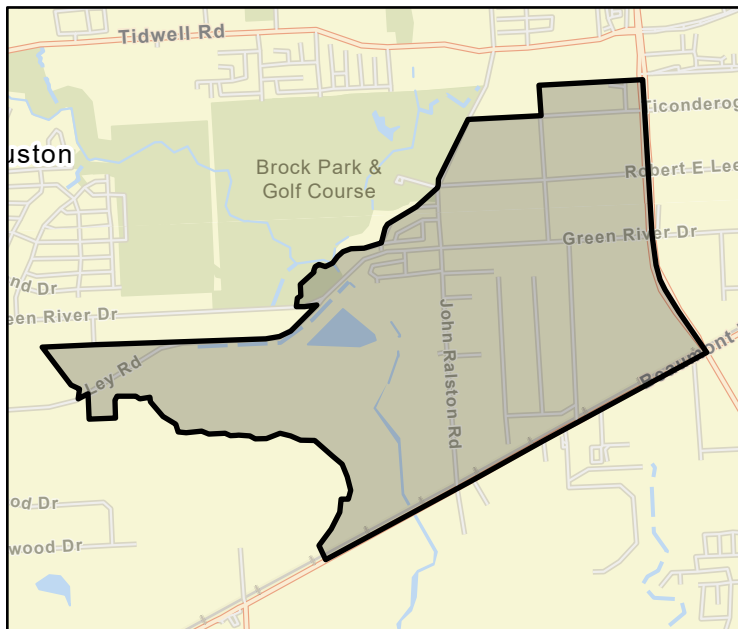
Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **7**

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

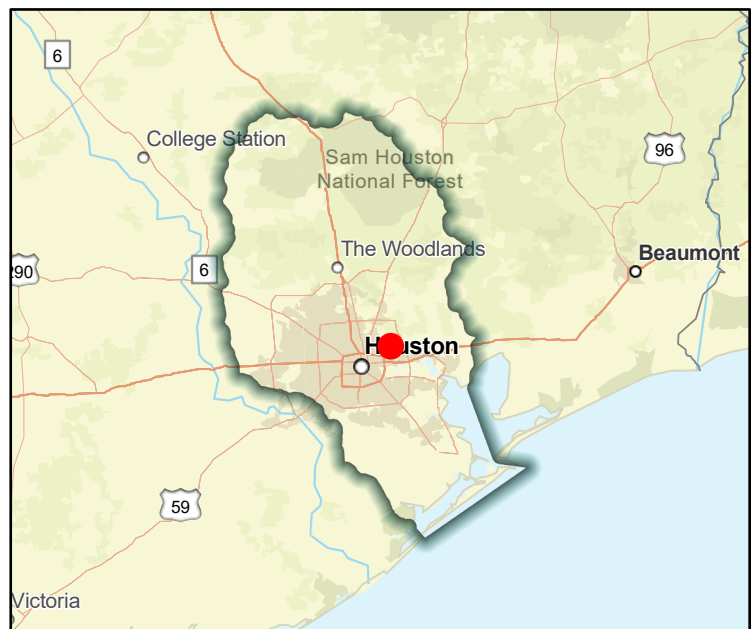
## Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP  
**REGION 6**

Title **Recanalization Feasibility Study**

ID# **061000135**

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

RFPG recommend? **-** Reason for Recommendation **-**

## Study Details

Study type **Project Planning**

Study description **Dechannelize existing feeder creeks that flow from north to south and improve drainage for storm water runoff.**

New Hydrologic or Hydraulic model? **-**

Emergency Need? **-**

Existing/Anticipated models in near term? **-**

County **Liberty**

Watershed HUC# (if known) **120401030201,120401030108,120401030109,120401030205,120401030**

Drainage area (Square miles, est.) **1,170**

Goal(s) **06000001,06000011,06000012,06000015**

## 100-Year Flood Risk Summary

Population at risk **4,854**

# of structures **3,618**

Critical facilities **8**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **1,379**

Roadway(s) impacted (length) **144**

Number of low water crossings **7**

Historical road closures **7**

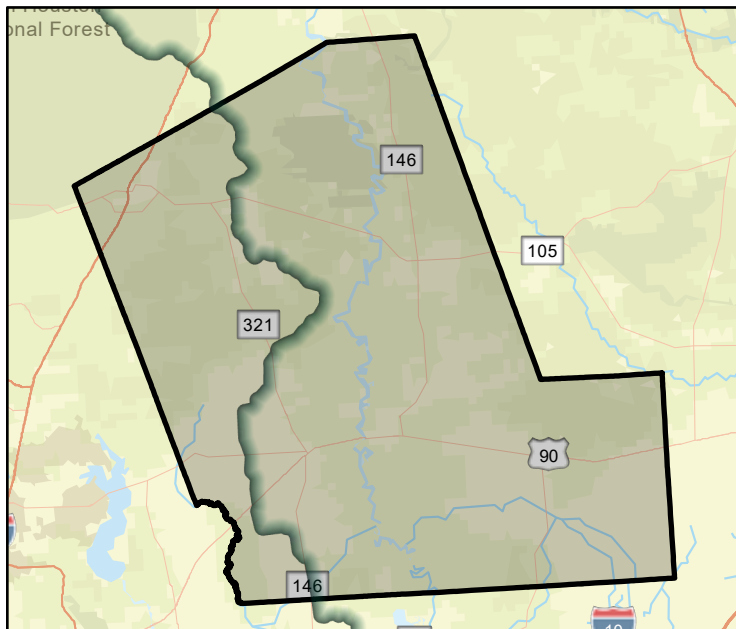
## Estimated Cost and Funding Availability

Total Cost **\$50,000**

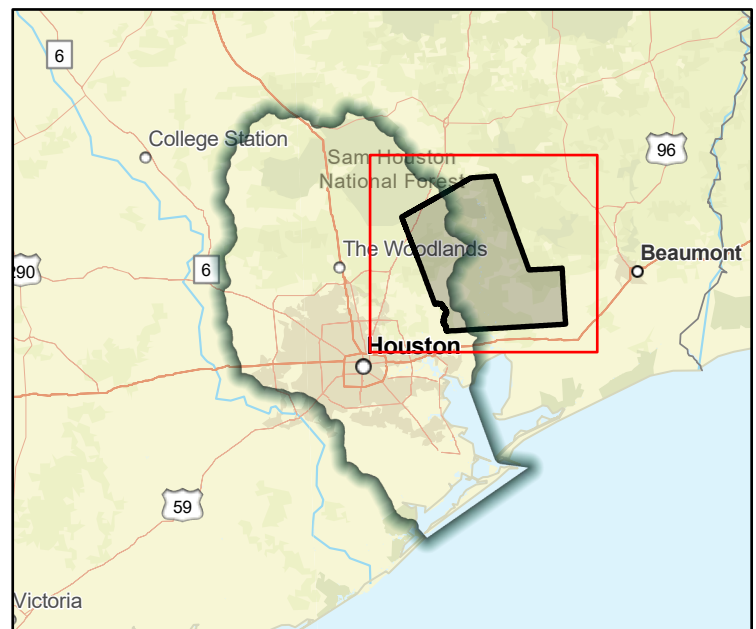
Amount of Available Funding **-**

Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

Title **Regional Implementation of Large Diameter Deep Tunnel Systems for Storm Water Management**

ID# **061000175**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **-** Reason for Recommendation **-**



SAN JACINTO REGIONAL FLOOD PLANNING GROUP  
**REGION 6**

## Study Details

Study type **Project Planning**

Study description **Further study of regional Implementation of Large Diameter Deep Tunnel Systems for Storm Water Management**

New Hydrologic or Hydraulic model? **-**

Emergency Need? **-**

Existing/Anticipated models in near term? **-**

County **Harris**

Watershed HUC# (if known) **120401010502,120401040605,120401040703,120401040705,120401040**

Drainage area (Square miles, est.) **1,771**

Goal(s) **06000001,06000011,06000012,06000015**

## 100-Year Flood Risk Summary

Population at risk **976,798**

# of structures **143,642**

Critical facilities **2,332**

Flood risk type: Riverine? **Yes**

Coastal? **Yes**

Local? **No**

Playa? **Yes**

Other? **Yes**

Farm/Ranch land impacted (acres) **5,993**

Roadway(s) impacted (length) **2,408**

Number of low water crossings **89**

Historical road closures

**89**

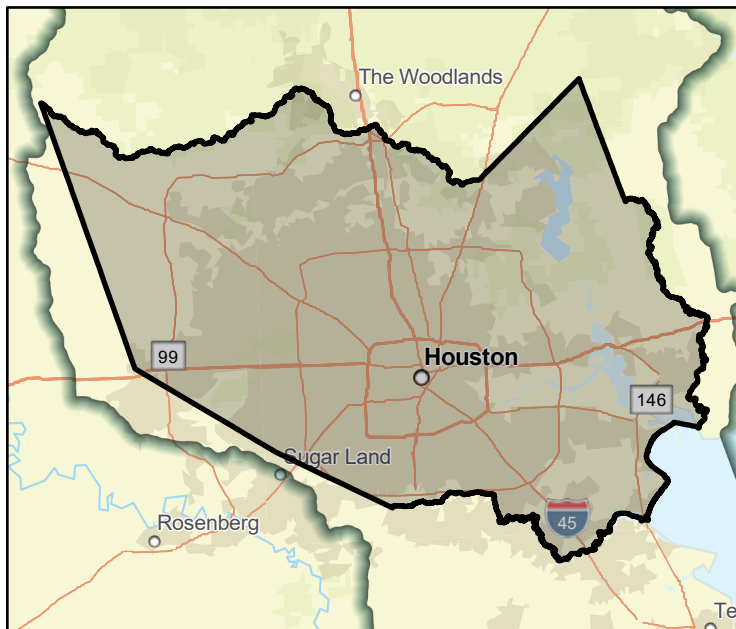
## Estimated Cost and Funding Availability

Total Cost **\$20,000,000**

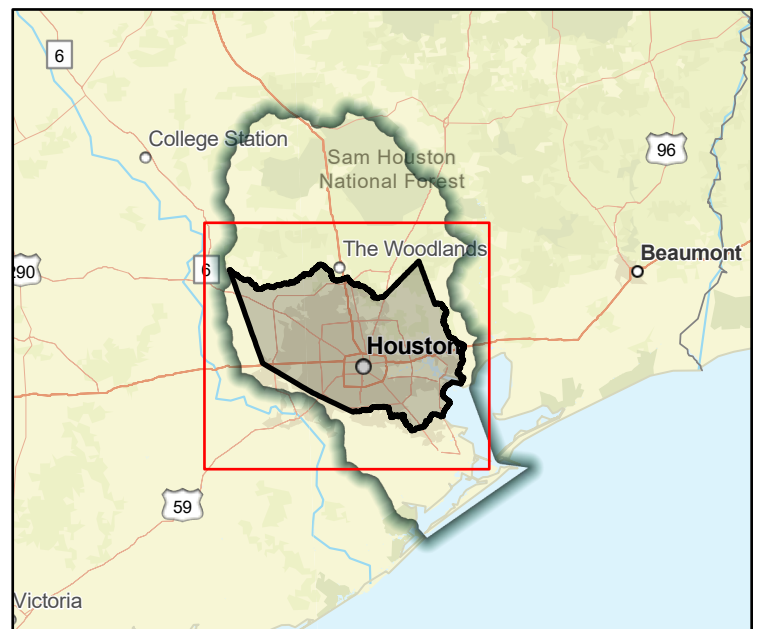
Amount of Available Funding **-**

Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP  
**REGION 6**

Title Remedy Data Deficiency in City of New Waverly

ID# 061000116

Sponsor (name of entity, not person) New Waverly (Municipality)

RFPG recommend? -

Reason for Recommendation -

## Study Details

Study type Watershed Planning

Study description Conduct a proper risk assessment of the dams residents suspect are causing upstream flooding, and determine all potential inundation areas.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Walker

Watershed HUC# (if known) 120401030101

Drainage area (Square miles, est.) 2

Goal(s) 06000001,06000010,06000015

## 100-Year Flood Risk Summary

Population at risk 19

# of structures 23

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1

Roadway(s) impacted (length) 0

Number of low water crossings 0

Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$100,000

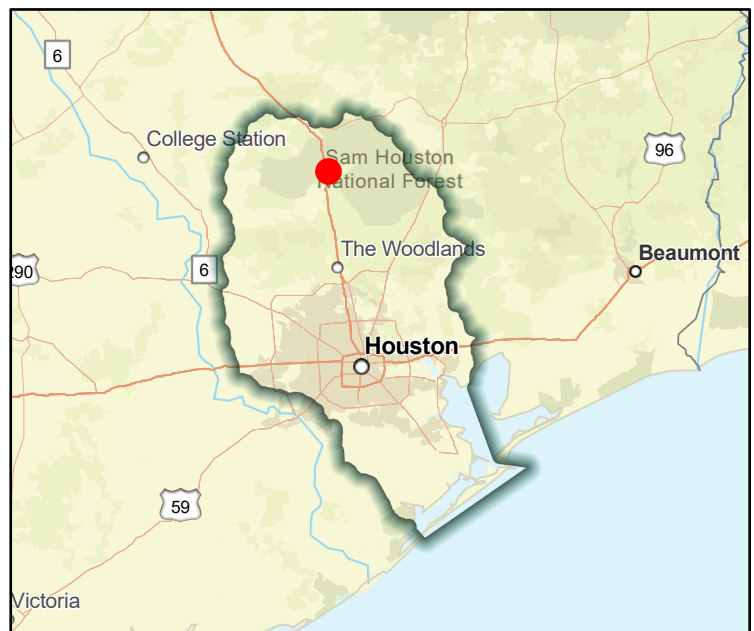
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP  
**REGION 6**

Title **Replace Existing Culverts in City of Arcola**

ID# **061000124**

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

RFPG recommend? **-**

Reason for Recommendation **-**

## Study Details

Study type **Project Planning**

Study description **Evaluation of proposed culvert replacement.**

New Hydrologic or Hydraulic model? **-**

Emergency Need? **-**

Existing/Anticipated models in near term? **-**

County **Fort Bend**

Watershed HUC# (if known) **120402040400**

Drainage area (Square miles, est.) **3**

Goal(s) **06000001,06000011,06000012,06000015**

## 100-Year Flood Risk Summary

Population at risk **39**

# of structures **41**

Critical facilities **0**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **1**

Roadway(s) impacted (length) **0**

Number of low water crossings **0**

Historical road closures **0**

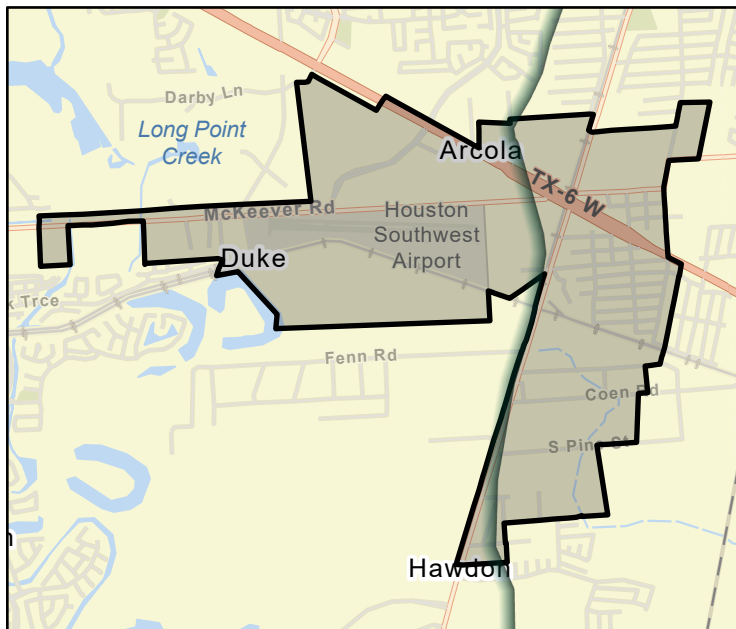
## Estimated Cost and Funding Availability

Total Cost **\$50,000**

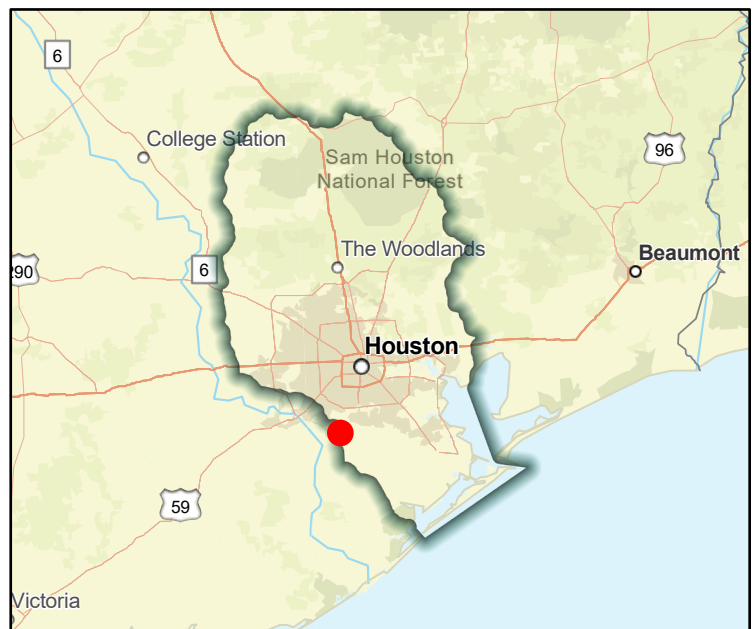
Amount of Available Funding **-**

Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Replace the Tiki Drive bridge with improved, hardened bridge to withstand storm surge and debris.

ID# 061000080

Sponsor (name of entity, not person) Tiki Island (Municipality)

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study of proposed Tiki Drive bridge modifications

New Hydrologic or Hydraulic model? - Emergency Need? - Existing/Anticipated models in near term? -

County Galveston Watershed HUC# (if known) 120402040200

Drainage area (Square miles, est.) 2 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 1,721 # of structures 1,006 Critical facilities 6

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

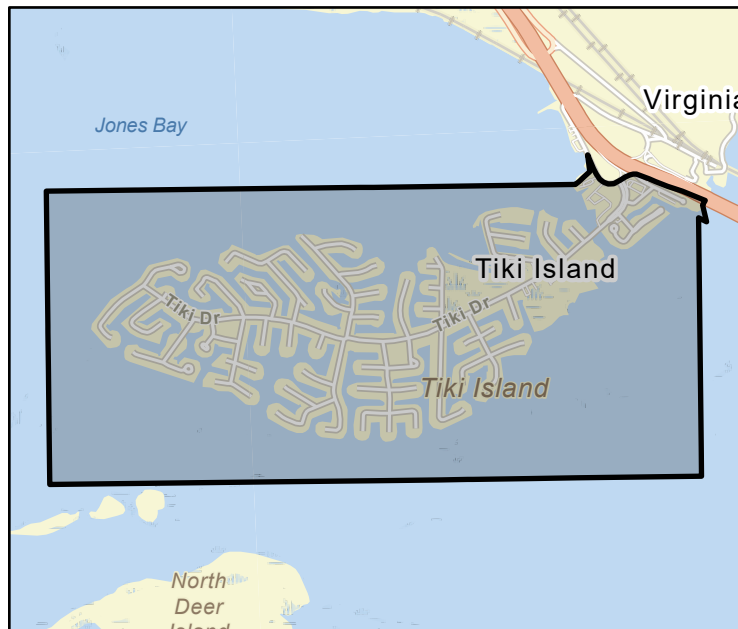
Farm/Ranch land impacted (acres) 4 Roadway(s) impacted (length) 10

Number of low water crossings 0 Historical road closures 0

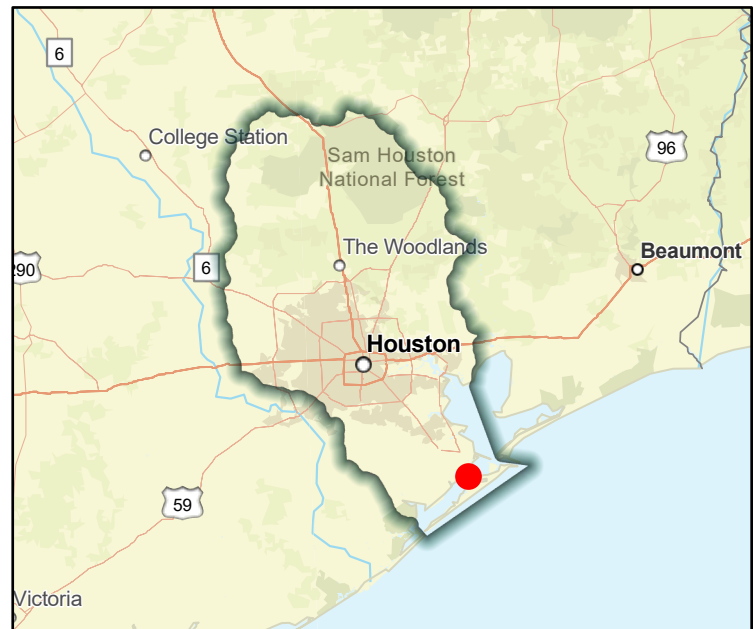
## Estimated Cost and Funding Availability

Total Cost \$240,000 Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Rivershire East - Grand Lake Creek Watershed

ID# 061000452

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

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? - Emergency Need? - Existing/Anticipated models in near term? -

County Montgomery Watershed HUC# (if known) 120401010207,120401010401

Drainage area (Square miles, est.) 4 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 3,099 # of structures 516 Critical facilities 2

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

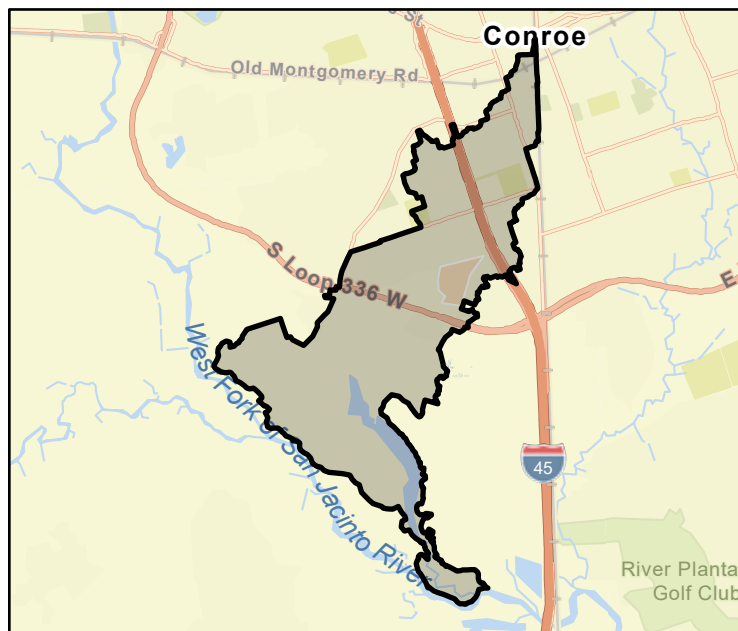
Farm/Ranch land impacted (acres) 2 Roadway(s) impacted (length) 10

Number of low water crossings 9 Historical road closures 9

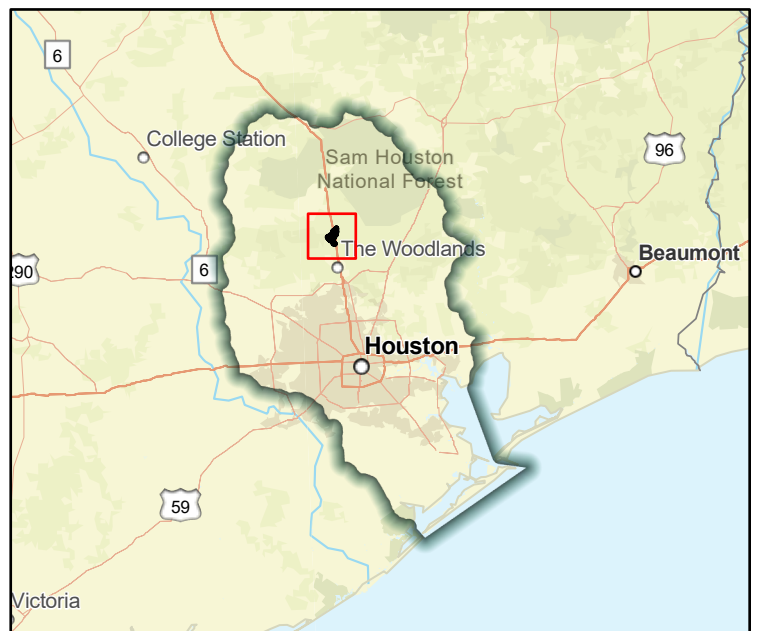
## Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Rivershire West - Grand Lake Creek Watershed

ID# 061000453

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

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? - Emergency Need? - Existing/Anticipated models in near term? -

County Montgomery Watershed HUC# (if known) 120401010207,120401010401

Drainage area (Square miles, est.) 10 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 3,099 # of structures 516 Critical facilities 2

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

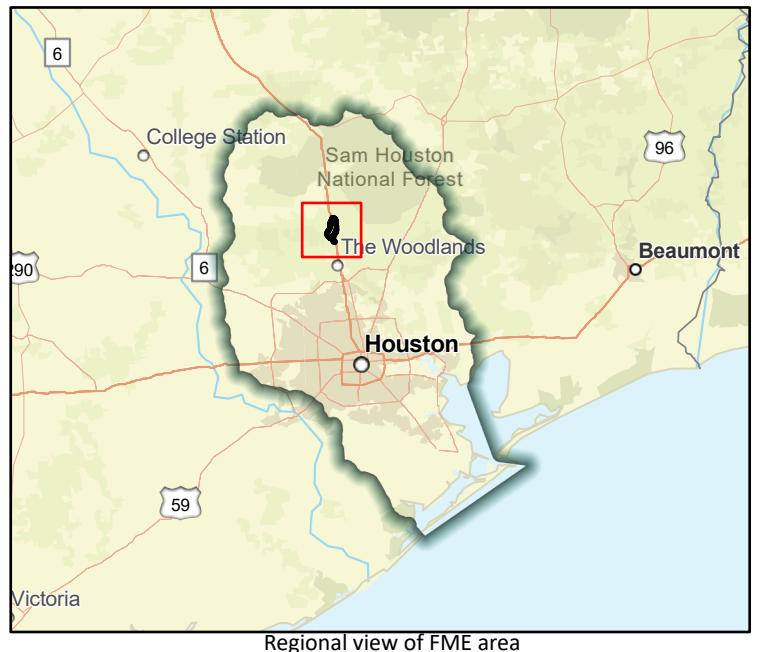
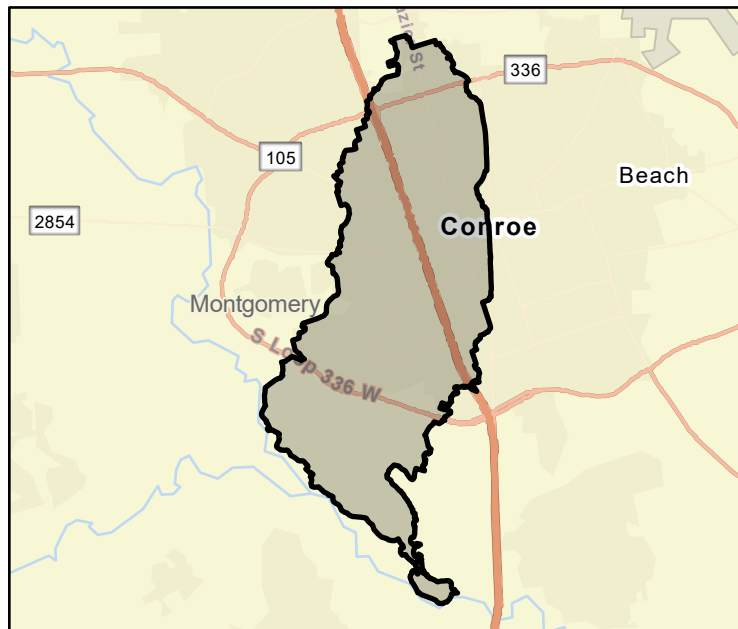
Farm/Ranch land impacted (acres) 2 Roadway(s) impacted (length) 10

Number of low water crossings 9 Historical road closures 9

## Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding - Federal funding availability -

Funding source -



# Flood Management Evaluation (FME)

Title Roman Forest Boulevard Bridge Elevation Project

ID# 061000388

Sponsor (name of entity, not person) Montgomery (County)

RFPG recommend? - Reason for Recommendation -



SAN JACINTO REGIONAL FLOOD PLANNING GROUP  
**REGION 6**

## Study Details

Study type Project Planning

Study description Further study of this project involves the study, design, elevation, and replacement of the Roman Forest Boulevard Bridge to mitigate the risks associated with storms and riverine flooding for the approximate 15,000 citizens.

New Hydrologic or Hydraulic model? - Emergency Need? - Existing/Anticipated models in near term? -

County Montgomery Watershed HUC# (if known) 120401030109,120401030402

Drainage area (Square miles, est.) 2 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 270 # of structures 86 Critical facilities 0

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

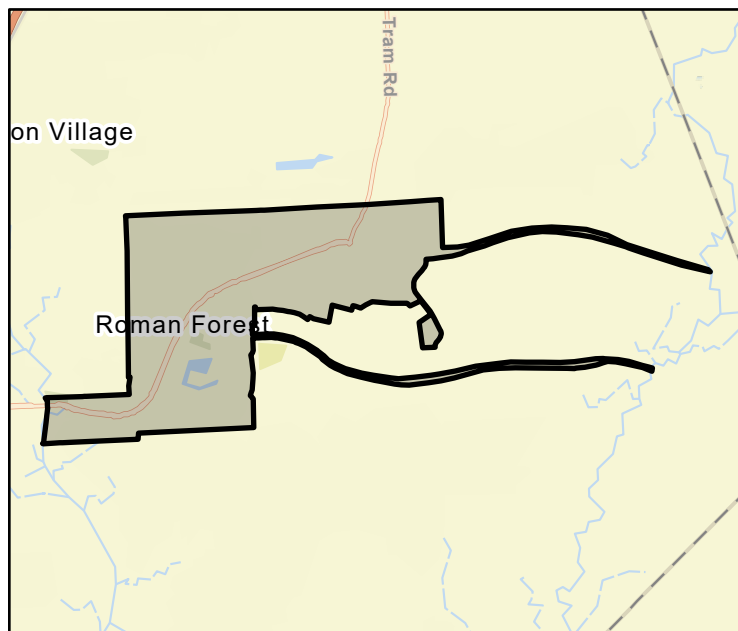
Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) 3

Number of low water crossings 0 Historical road closures 0

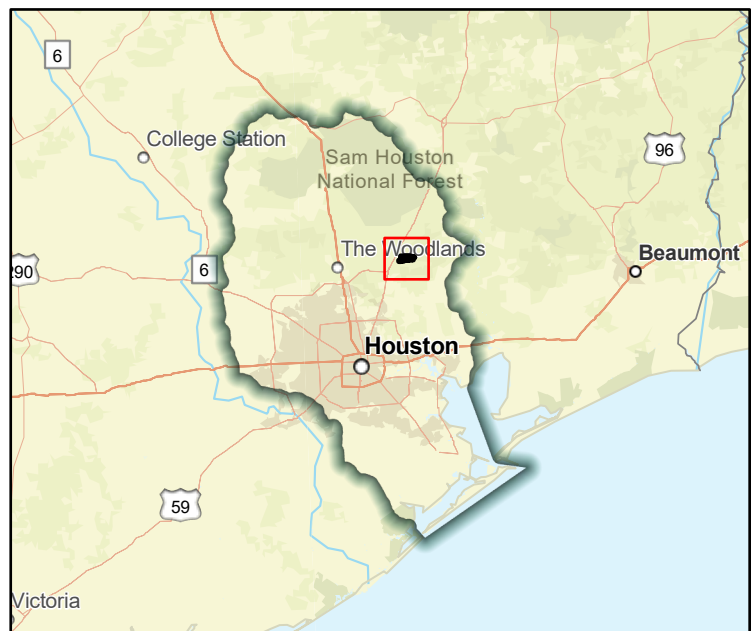
## Estimated Cost and Funding Availability

Total Cost \$1,010,000 Amount of Available Funding - Federal funding availability -

Funding source CDBG-MIT



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

Title Rush Creek Lake - Lake Conroe Estates Watershed

ID# 061000461

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

RFPG recommend? - Reason for Recommendation -



SAN JACINTO REGIONAL FLOOD PLANNING GROUP  
**REGION 6**

## Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? - Emergency Need? - Existing/Anticipated models in near term? -

County Montgomery Watershed HUC# (if known) 120401010207,120401010206

Drainage area (Square miles, est.) 2 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 2,384 # of structures 374 Critical facilities 7

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

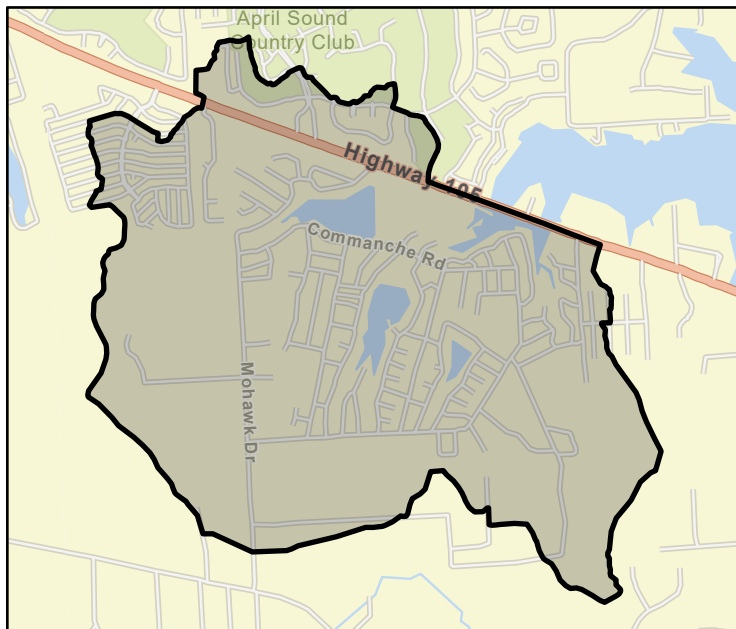
Farm/Ranch land impacted (acres) 7 Roadway(s) impacted (length) 10

Number of low water crossings 7 Historical road closures 7

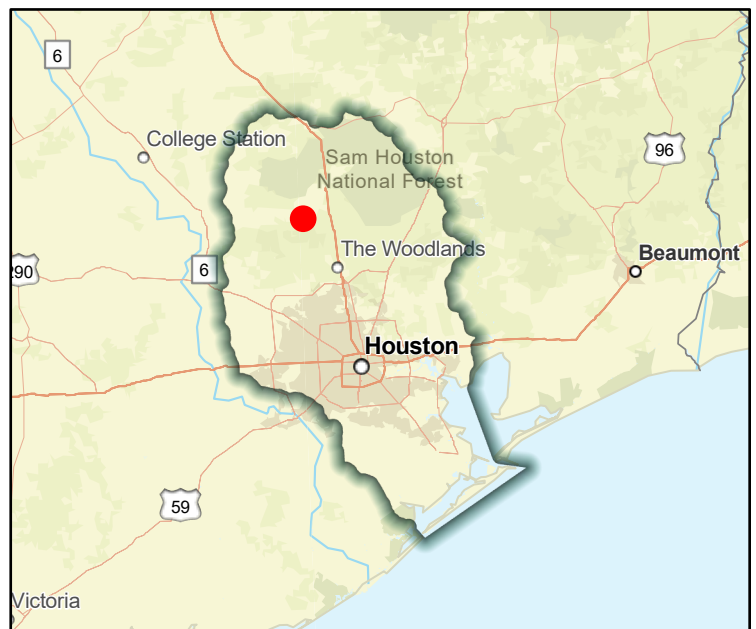
## Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP  
**REGION 6**

Title **San Jacinto Flood Mapping Updates**

ID# **061000308**

Sponsor (name of entity, not person) **San Jacinto (County)**

RFPG recommend? **-** Reason for Recommendation **-**

## Study Details

Study type **Watershed Planning**

Study description **County wide study to produce flood mapping updates including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **-**

Emergency Need? **-**

Existing/Anticipated models in near term? **-**

County **San Jacinto**

Watershed HUC# (if known) **120401030201,120401030108,120401030106,120401030107,120401030**

Drainage area (Square miles, est.) **626**

Goal(s) **06000001,06000010,06000015**

## 100-Year Flood Risk Summary

Population at risk **1,376**

# of structures **1,028**

Critical facilities **0**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **63**

Roadway(s) impacted (length) **48**

Number of low water crossings **1**

Historical road closures **1**

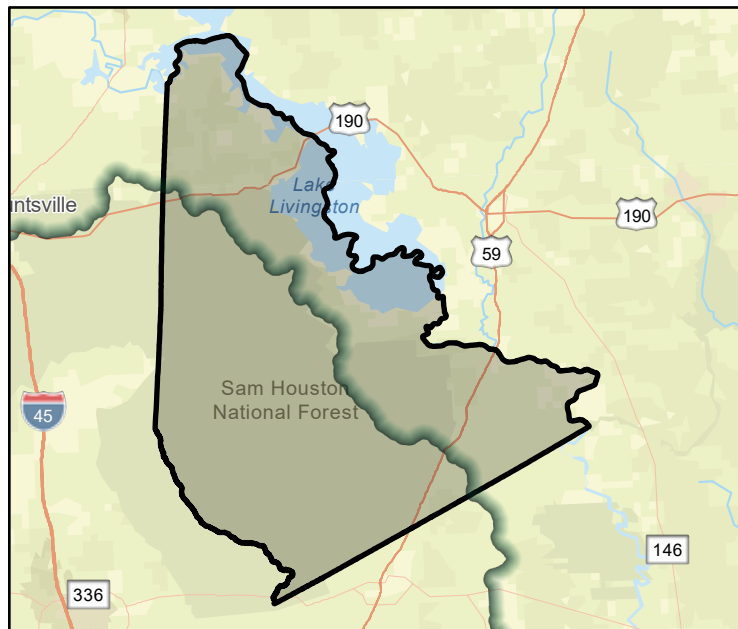
## Estimated Cost and Funding Availability

Total Cost **\$2,700,000**

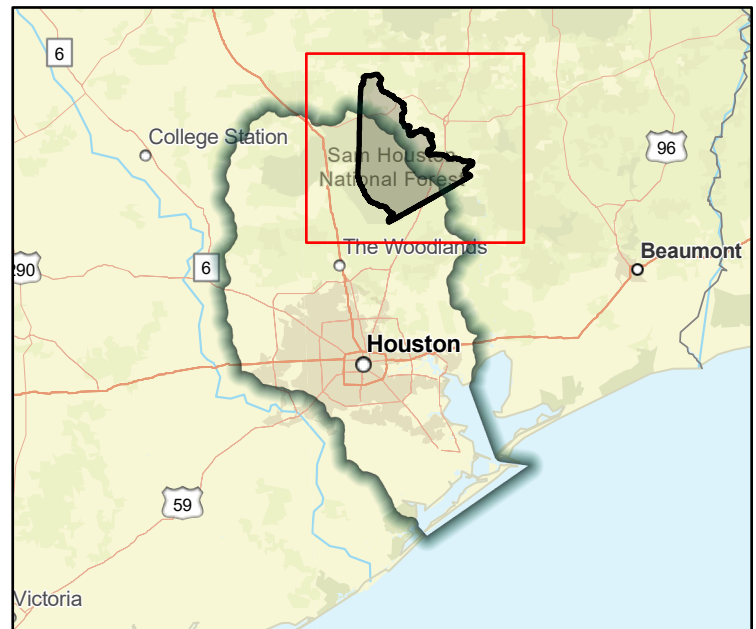
Amount of Available Funding **-**

Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP  
**REGION 6**

Title **San Jacinto River - G103-33-04**

ID# **061000208**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **-**

Reason for Recommendation **-**

## Study Details

Study type **Project Planning**

Study description **Further study of Flood Risk Reduction need identified through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall**

New Hydrologic or Hydraulic model? **-**

Emergency Need? **-**

Existing/Anticipated models in near term? **-**

County **Harris**

Watershed HUC# (if known) **120401010501**

Drainage area (Square miles, est.) **1**

Goal(s) **06000001,06000011,06000012,06000015**

## 100-Year Flood Risk Summary

Population at risk **1,580**

# of structures **248**

Critical facilities **1**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **-**

Roadway(s) impacted (length) **4**

Number of low water crossings **0**

Historical road closures **0**

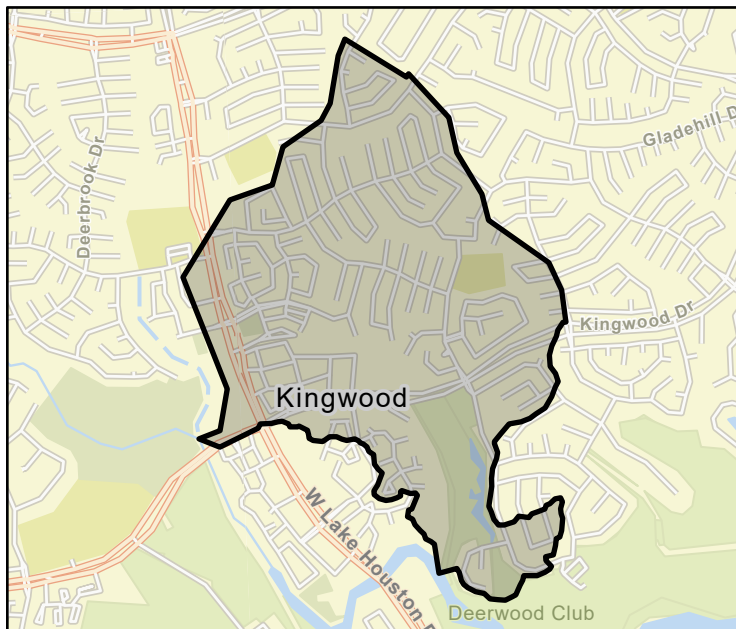
## Estimated Cost and Funding Availability

Total Cost **\$700,000**

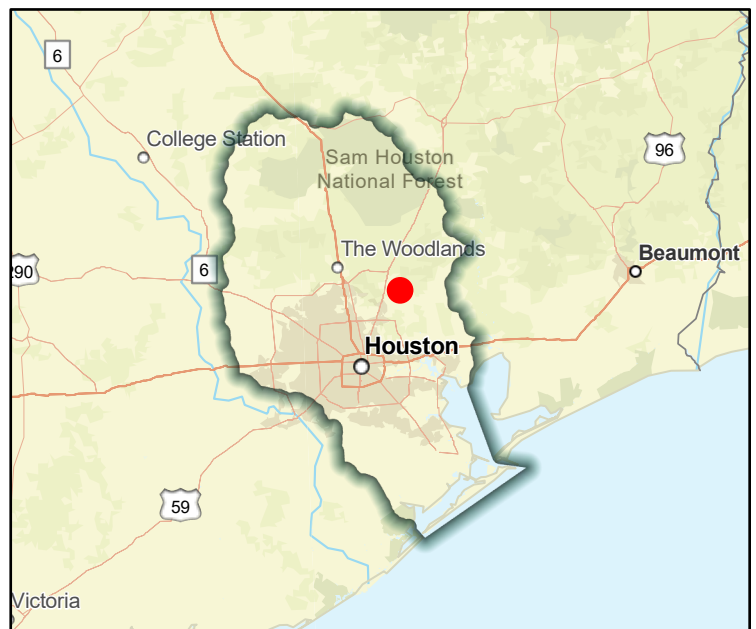
Amount of Available Funding **-**

Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title San Jacinto River - G103-36-00

ID# 061000209

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? -

Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study of Flood Risk Reduction need identified through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris, Montgomery

Watershed HUC# (if known) 120401010501

Drainage area (Square miles, est.) 59

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 22,355

# of structures 3,840

Critical facilities 61

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 114

Roadway(s) impacted (length) 81

Number of low water crossings 1

Historical road closures

1

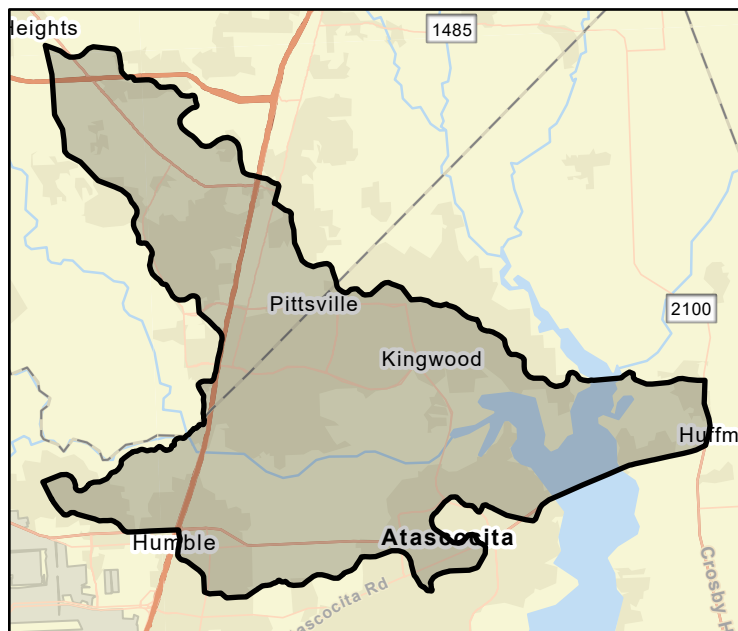
## Estimated Cost and Funding Availability

Total Cost \$700,000

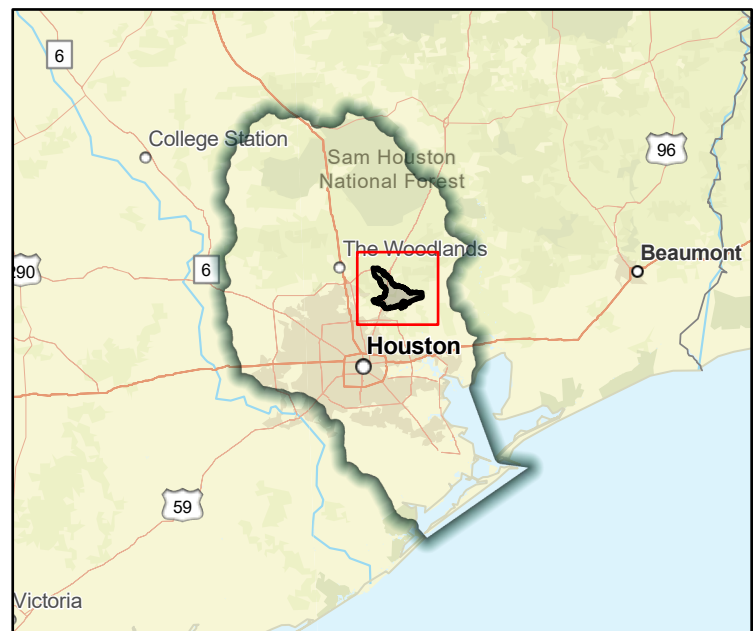
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title San Jacinto River - G103-46-00

ID# 061000207

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study of Flood Risk Reduction need identified through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall

New Hydrologic or Hydraulic model? - Emergency Need? - Existing/Anticipated models in near term? -

County Harris, Montgomery Watershed HUC# (if known) 120401010501

Drainage area (Square miles, est.) 59 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 22,355 # of structures 3,840 Critical facilities 61

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

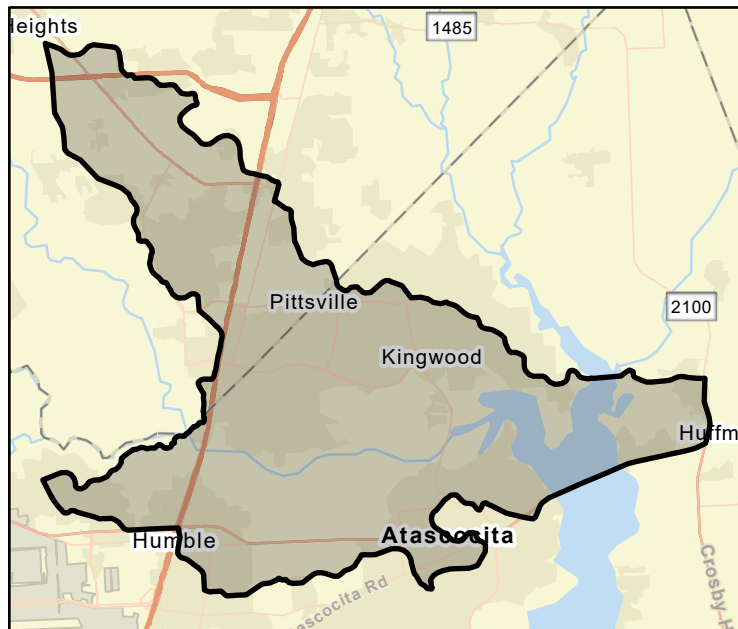
Farm/Ranch land impacted (acres) 114 Roadway(s) impacted (length) 81

Number of low water crossings 1 Historical road closures 1

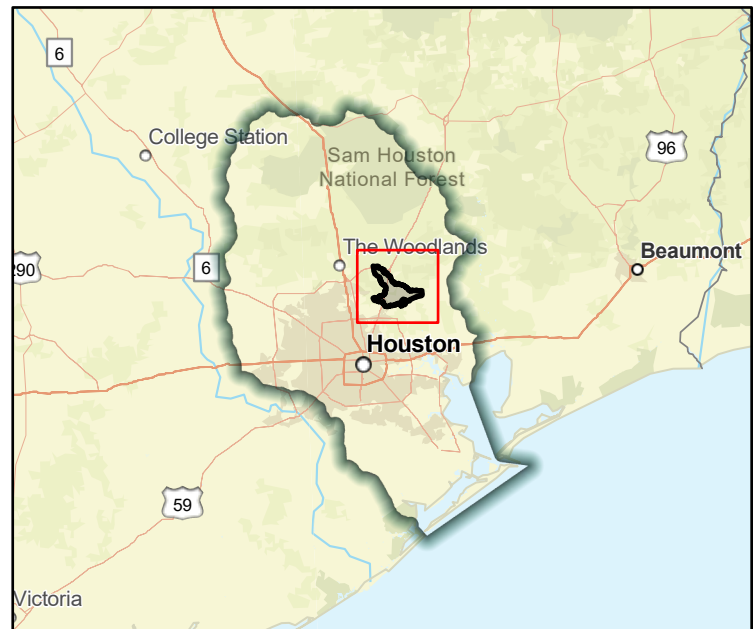
## Estimated Cost and Funding Availability

Total Cost \$700,000 Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

Title San Jacinto Watershed and Tributary Barrier and Flood Mitigation - East County Project

ID# 061000168

Sponsor (name of entity, not person) Montgomery (County)

RFPG recommend? - Reason for Recommendation -



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**REGION 6**

## Study Details

Study type Watershed Planning

Study description planning, H&H studies, design, environmental review, and barrier removal for the 98.6 miles of the San Jacinto Watershed and Tributary Barrier and Flood Mitigation-East County project area.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris,Liberty,Montgomery,San Jacinto

Watershed HUC# (if known) 120401030402,120401030401

Drainage area (Square miles, est.) 95

Goal(s) 06000001,06000010,06000015

## 100-Year Flood Risk Summary

Population at risk 4,867

# of structures 3,499

Critical facilities 3

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 71

Roadway(s) impacted (length) 102

Number of low water crossings 1

Historical road closures

1

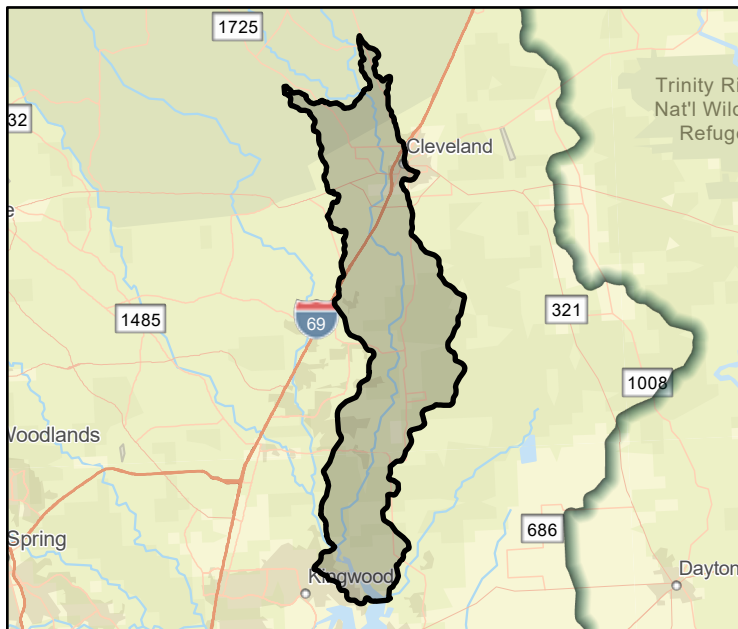
## Estimated Cost and Funding Availability

Total Cost \$900,000

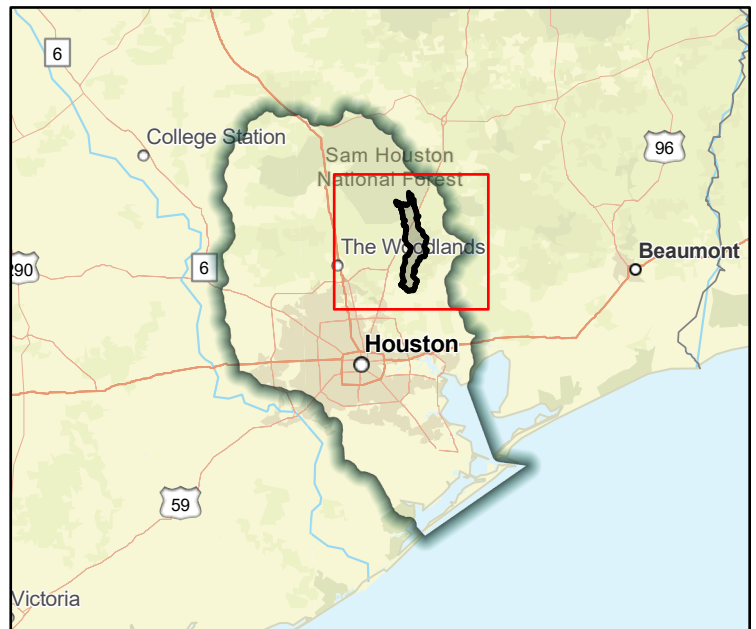
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

Title San Jacinto Watershed and Tributary Barrier and Flood Mitigation - West County Project

ID# 061000169

Sponsor (name of entity, not person) Montgomery (County)

RFPG recommend? - Reason for Recommendation -



SAN JACINTO REGIONAL FLOOD PLANNING GROUP  
**REGION 6**

## Study Details

Study type Watershed Planning

Study description H&H study, design, tributary barrier removal, and environmental assessments for the 96.2 miles of the San Jacinto Watershed and Tributary Barrier and Flood Mitigation-West County project area.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris, Montgomery

Watershed HUC# (if known) 120401010401, 120401010402, 120401010404

Drainage area (Square miles, est.) 122

Goal(s) 06000001, 06000010, 06000015

## 100-Year Flood Risk Summary

Population at risk 12,814

# of structures 3,634

Critical facilities 34

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 279

Roadway(s) impacted (length) 89

Number of low water crossings 8

Historical road closures 8

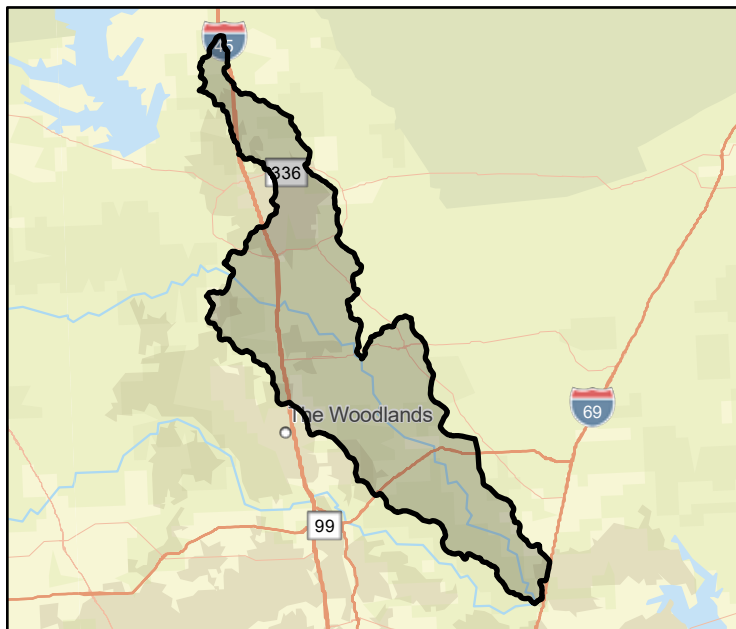
## Estimated Cost and Funding Availability

Total Cost \$900,000

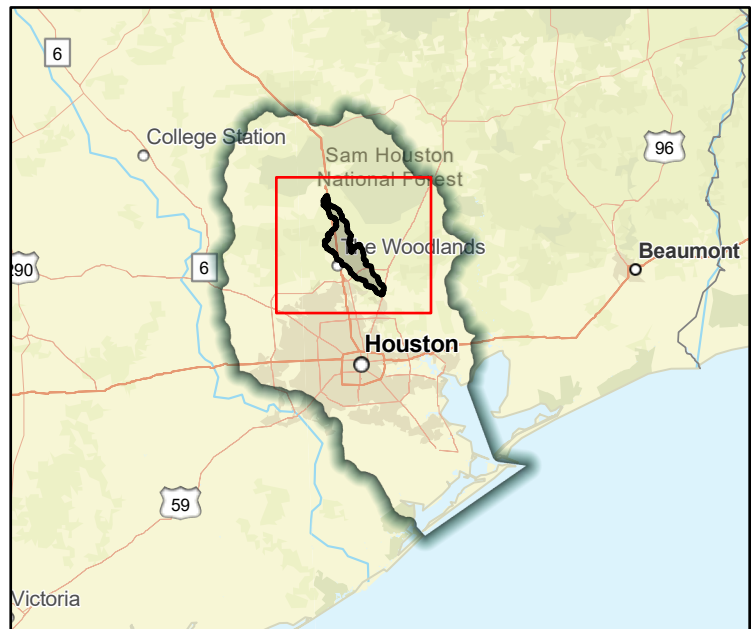
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Sandpiper Village Subdivision Drainage Improvements

ID# 061000427

Sponsor (name of entity, not person) Harris (County)

RFPG recommend? -

Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401020107

Drainage area (Square miles, est.) 2

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 519

# of structures 196

Critical facilities 2

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 2

Roadway(s) impacted (length) 3

Number of low water crossings 0

Historical road closures 0

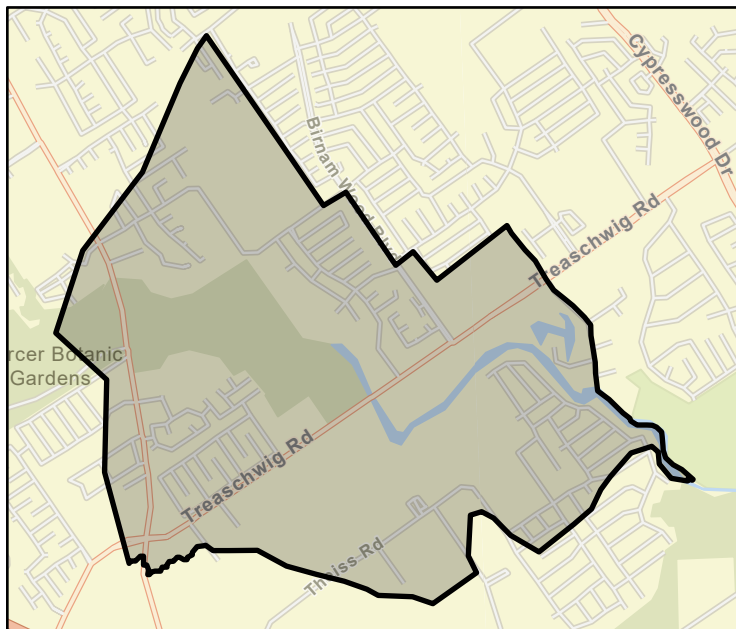
## Estimated Cost and Funding Availability

Total Cost \$30,000

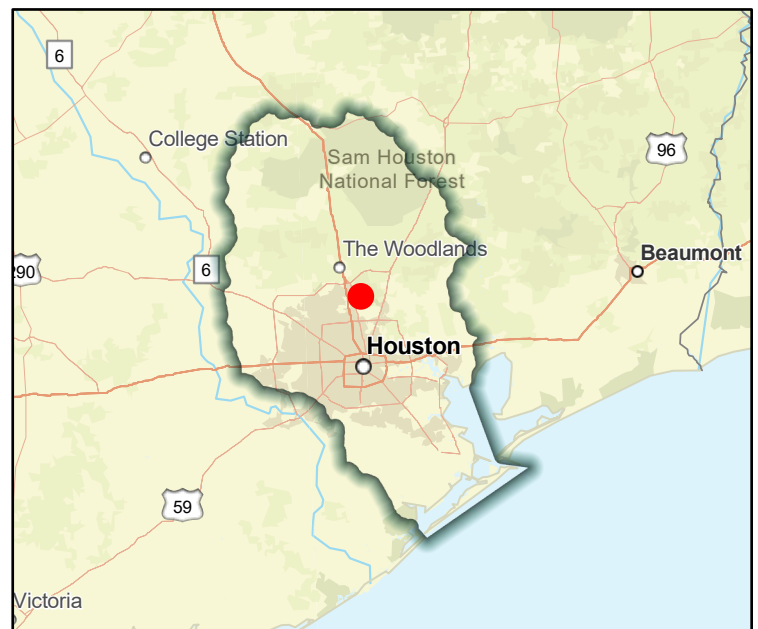
Amount of Available Funding -

Federal funding availability -

Funding source Unknown



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Sawdust Road Bridge Elevation Project

ID# 061000426

Sponsor (name of entity, not person) Montgomery (County)

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study of study, design, elevation, & replacement of the Sawdust Road Bridge to mitigate the risks associated with riverine flooding for the citizens residing in the Grogan's Point and Timberlakes - Timberridge Subdivisions.

New Hydrologic or Hydraulic model? - Emergency Need? - Existing/Anticipated models in near term? -

County Harris, Montgomery Watershed HUC# (if known) 120401010402, 120401010404, 120401020107, 120401020210, 120401020

Drainage area (Square miles, est.) 33 Goal(s) 06000001, 06000011, 06000012, 06000015

## 100-Year Flood Risk Summary

Population at risk 5,042 # of structures 794 Critical facilities 5

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

Farm/Ranch land impacted (acres) 15 Roadway(s) impacted (length) 18

Number of low water crossings 0 Historical road closures 0

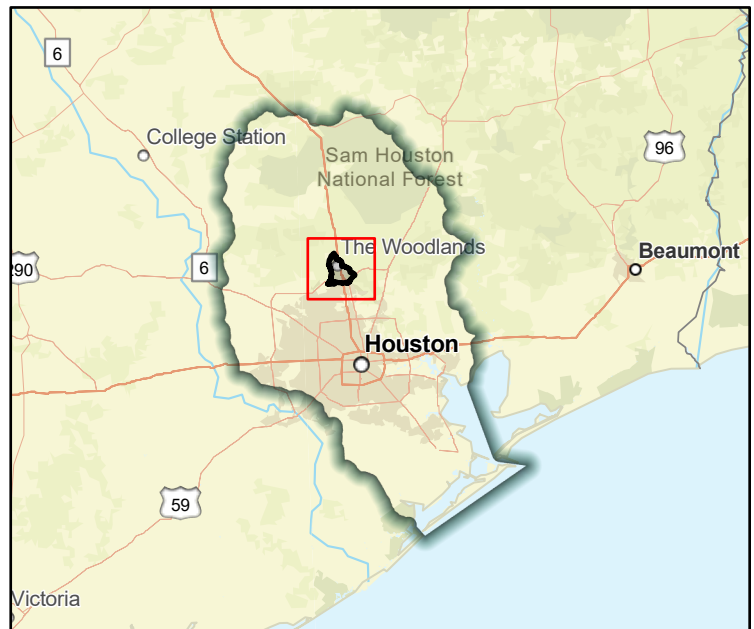
## Estimated Cost and Funding Availability

Total Cost \$351,836 Amount of Available Funding - Federal funding availability -

Funding source CDBG-MIT



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



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**REGION 6**

Title Shadowbend Drainage Improvements Phase 2

ID# 061000142

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

RFPG recommend? -

Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study of component of 1993 master Drainage Plan Phase 1 to include Atlas 14 rainfall.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Galveston,Harris

Watershed HUC# (if known) 120402040200,120402040100

Drainage area (Square miles, est.) 21

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 5,467

# of structures 1,680

Critical facilities 2

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 18

Roadway(s) impacted (length) 38

Number of low water crossings 5

Historical road closures

5

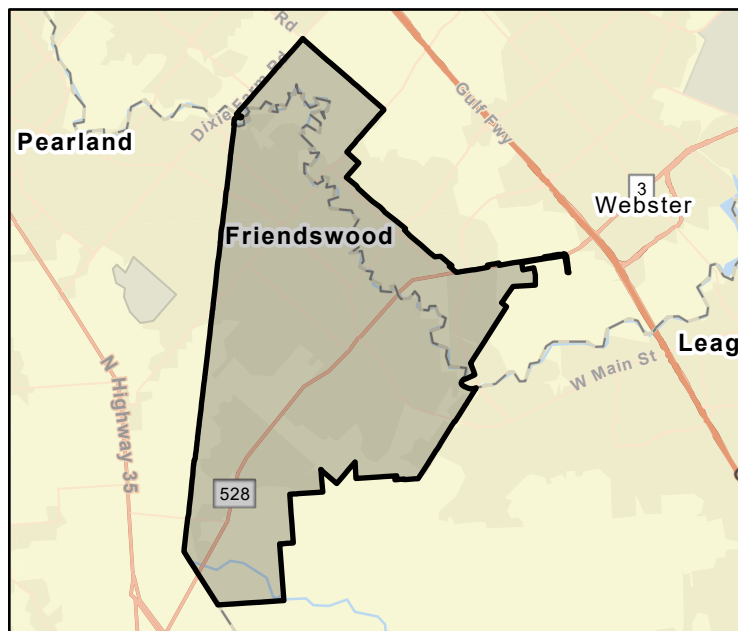
## Estimated Cost and Funding Availability

Total Cost \$100,000

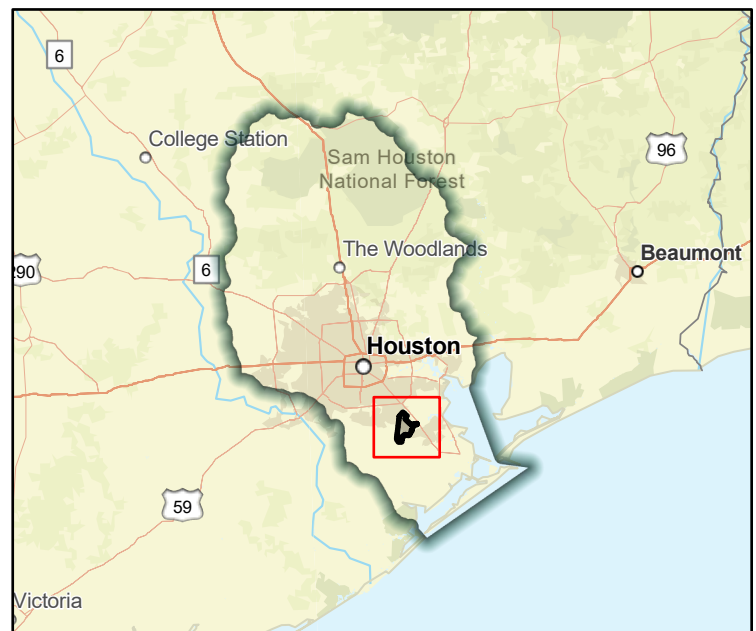
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Shellside Drainage Improvements

ID# 061000119

Sponsor (name of entity, not person) League City (Municipality)

RFPG recommend? -

Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study of proposed drainage improvements to Shellside.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Galveston,Harris

Watershed HUC# (if known) 120402040200,120402040100

Drainage area (Square miles, est.) 53

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 20,978

# of structures 5,251

Critical facilities 25

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1,308

Roadway(s) impacted (length) 105

Number of low water crossings 2

Historical road closures

2

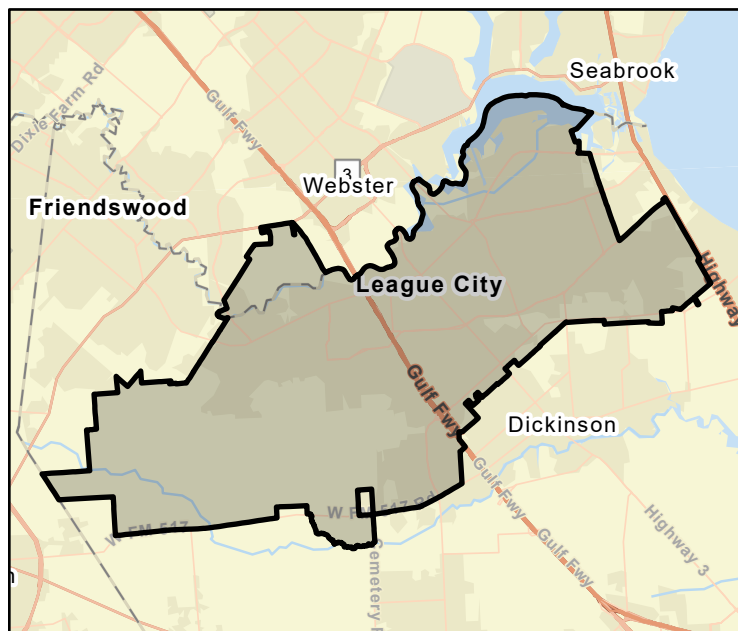
## Estimated Cost and Funding Availability

Total Cost \$100,000

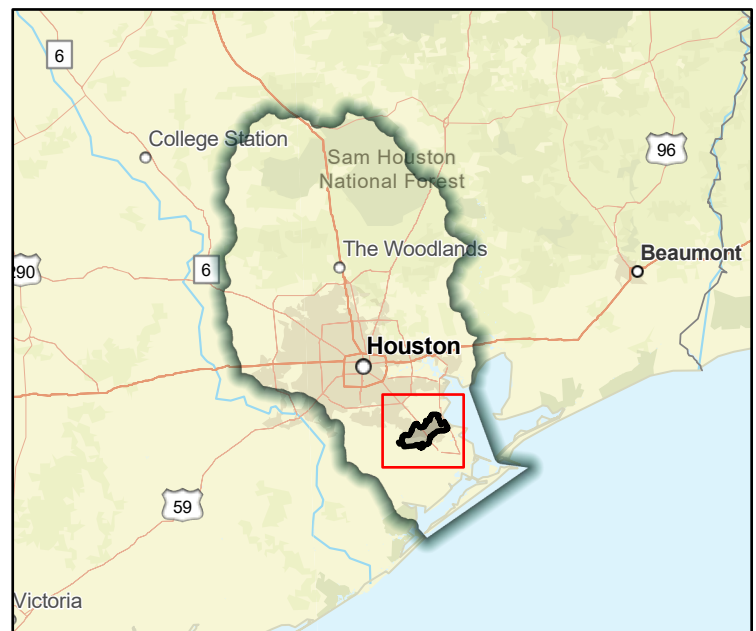
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Shoreacres Drainage Assessment

ID# 061000031

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

RFPG recommend? -

Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further analysis necessary to determine downstream impacts and whether any additional volume in A104-11-00 would be available during a coincident event on Taylor Bayou.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Chambers,Harris

Watershed HUC# (if known) 120402040100

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 2,456

# of structures 801

Critical facilities 3

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length) 17

Number of low water crossings 1

Historical road closures 1

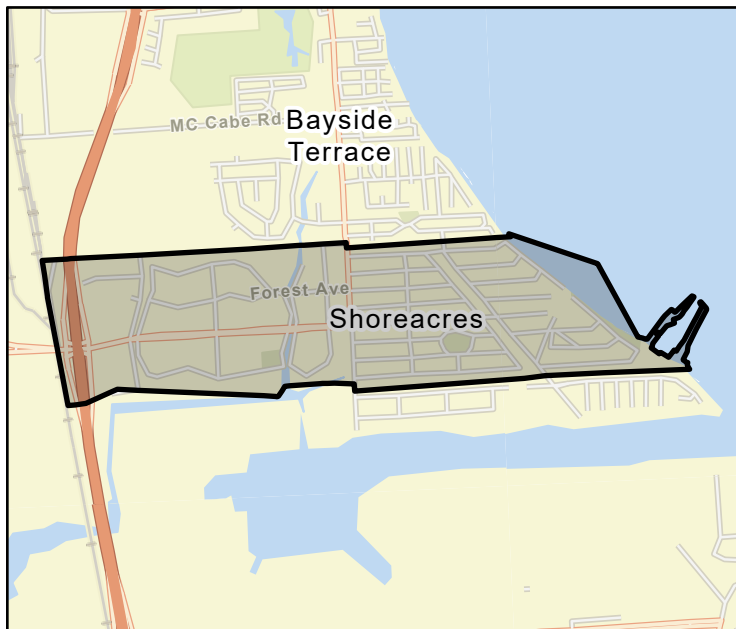
## Estimated Cost and Funding Availability

Total Cost \$100,000

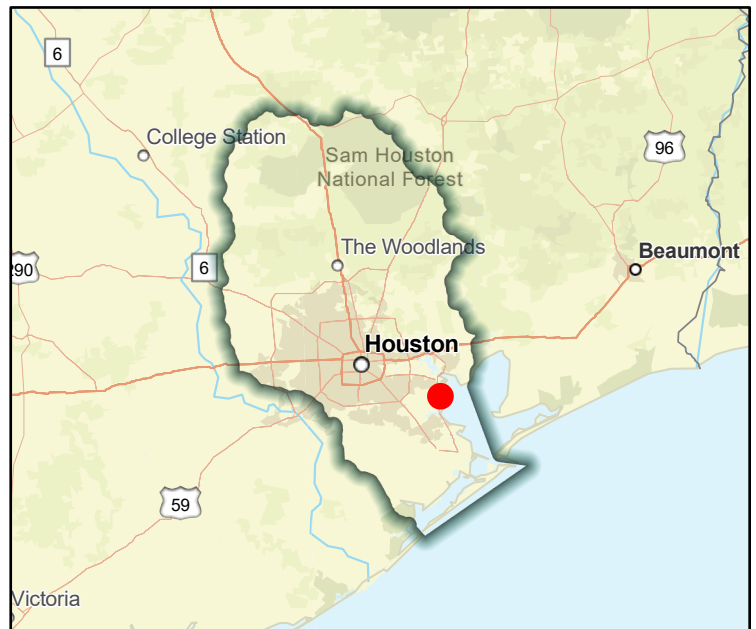
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Sims Bayou C116 Storm Sewer Improvement (C116-00-00-P001) From Mykawa Road to Telephone Road

ID# 061000364

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Study to develop a BCR required for this project to become a FMP. To increase the system C116 capacity, Alternative 1 adds capacity to the C116 system trunkline through an additional parallel trunkline, from Dixie Drive to Sims Bayou.

New Hydrologic or Hydraulic model? - Emergency Need? - Existing/Anticipated models in near term? -

County Harris Watershed HUC# (if known) 120401040502

Drainage area (Square miles, est.) 1 Goal(s) 06000001,06000011,06000012,06000015

## 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

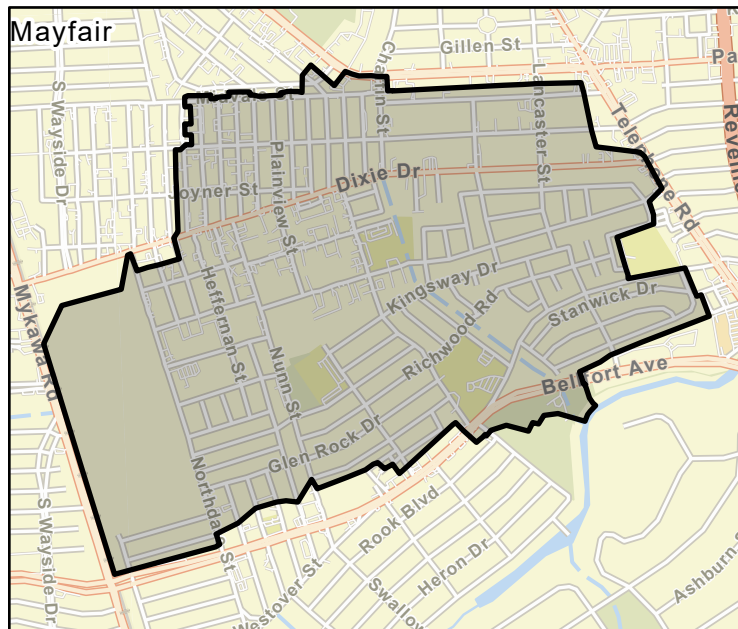
Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) -

Number of low water crossings - Historical road closures -

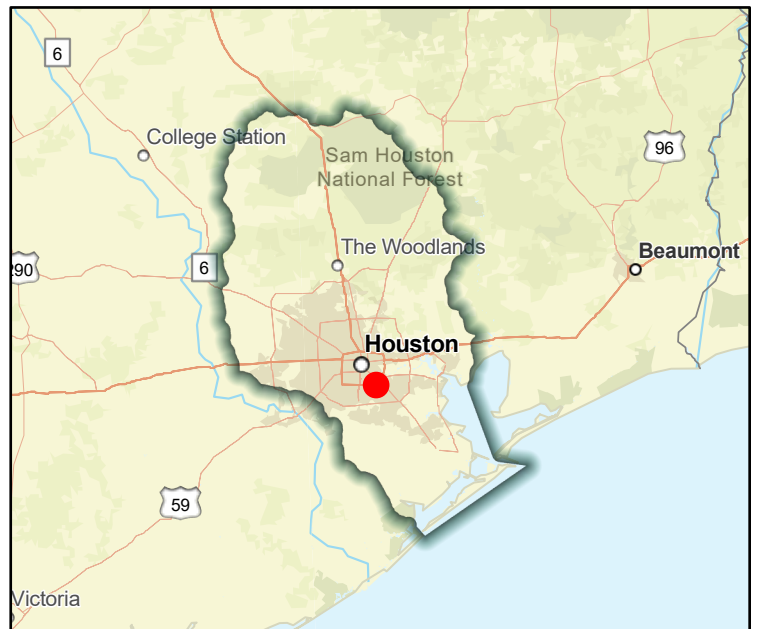
## Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area