

# Flood Management Evaluation (FME)



Title Drainage System Analysis for City of Santa Fe

ID# 061000165

Sponsor (name of entity, not person) Santa Fe (Municipality)

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Galveston

Watershed HUC# (if known) 120402040300,120402040200

Drainage area (Square miles, est.) 17

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 798

# of structures 400

Critical facilities 1

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 12

Roadway(s) impacted (length) 4

Number of low water crossings 9

Historical road closures 9

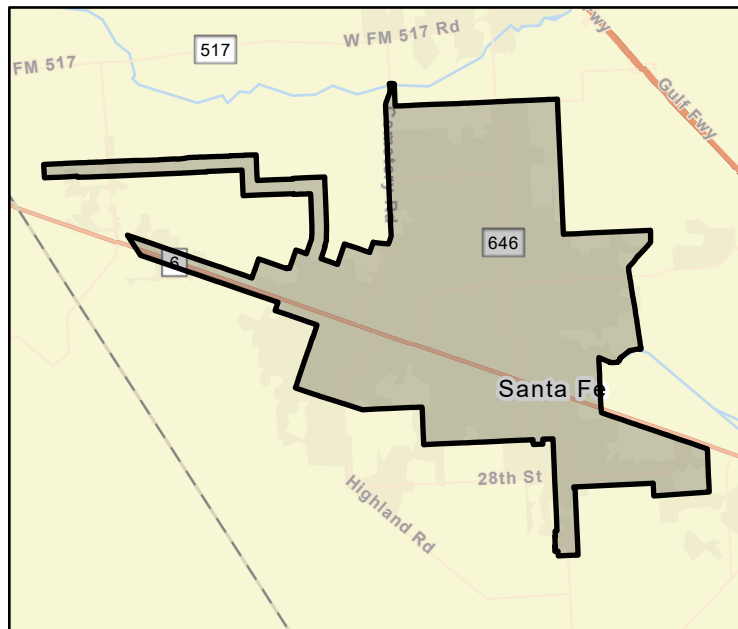
## Estimated Cost and Funding Availability

Total Cost \$300,000

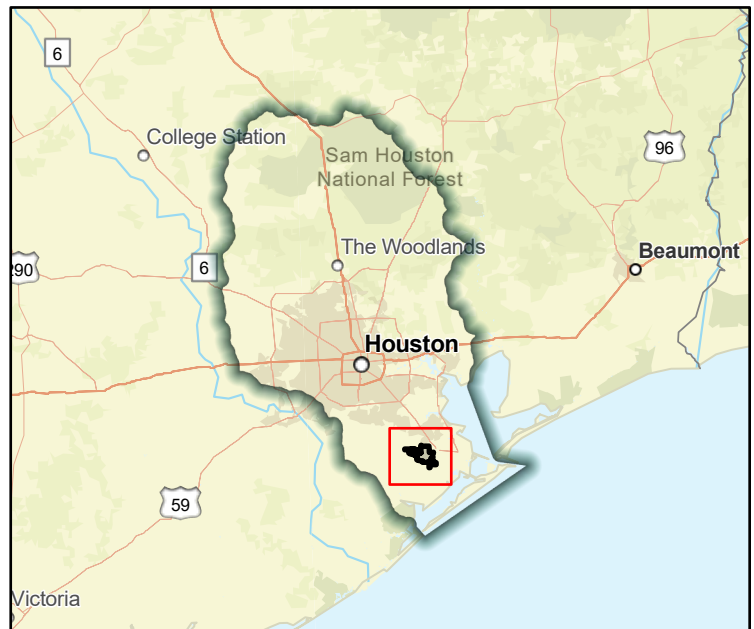
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Dredging Cedar Bayou

ID# 061000076

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

RFPG recommend? -

Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Study of proposed Cedar Bayou dredging to determine flood risk reduction potential.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Chambers

Watershed HUC# (if known) 120402030105,120402030104,120402030106,120402030200

Drainage area (Square miles, est.) 44

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 735

# of structures 119

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 341

Roadway(s) impacted (length) 6

Number of low water crossings 0

Historical road closures 0

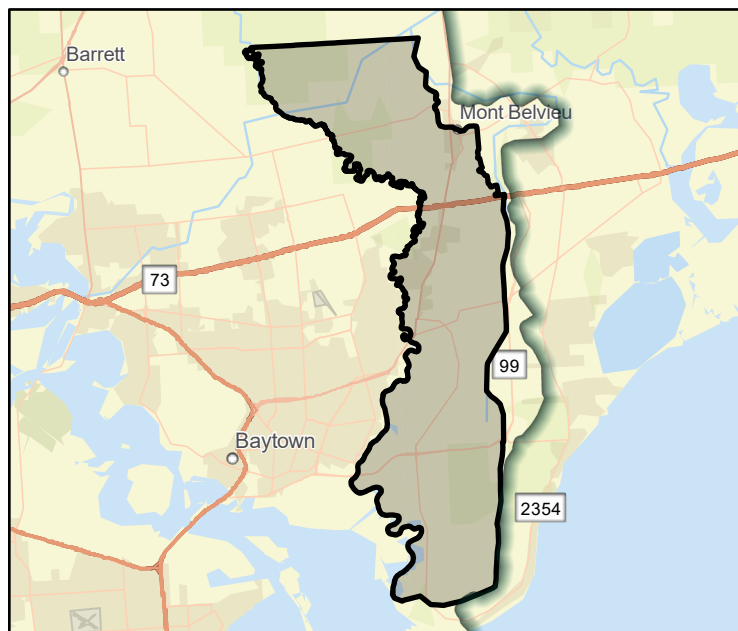
## Estimated Cost and Funding Availability

Total Cost \$625,000

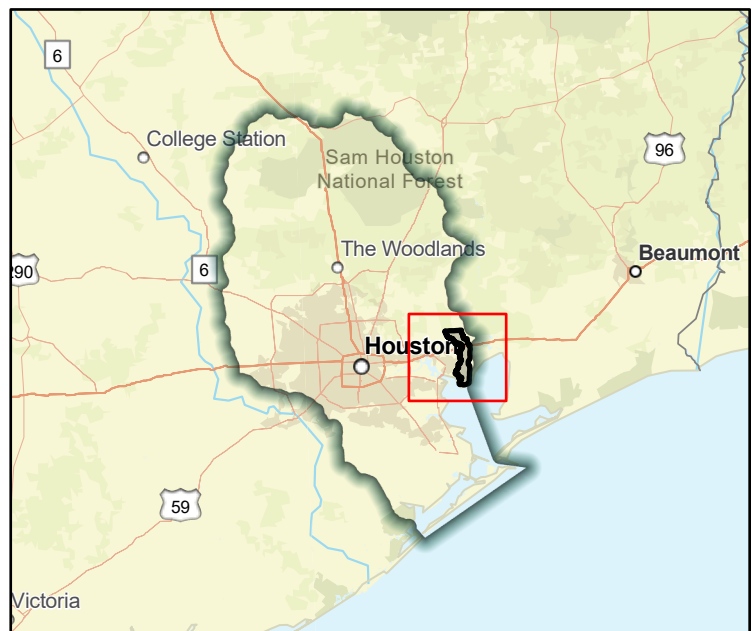
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Durant Street Storm Sewer and Pavement Improvements - Phase 1

ID# 061000001

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

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study of Durant Street Phase 1 to reduce flood risk with upgrades to storm sewer system, concrete curb, gutter, pavement, and sidewalk.

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

County Brazoria Watershed HUC# (if known) 120402040400

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>

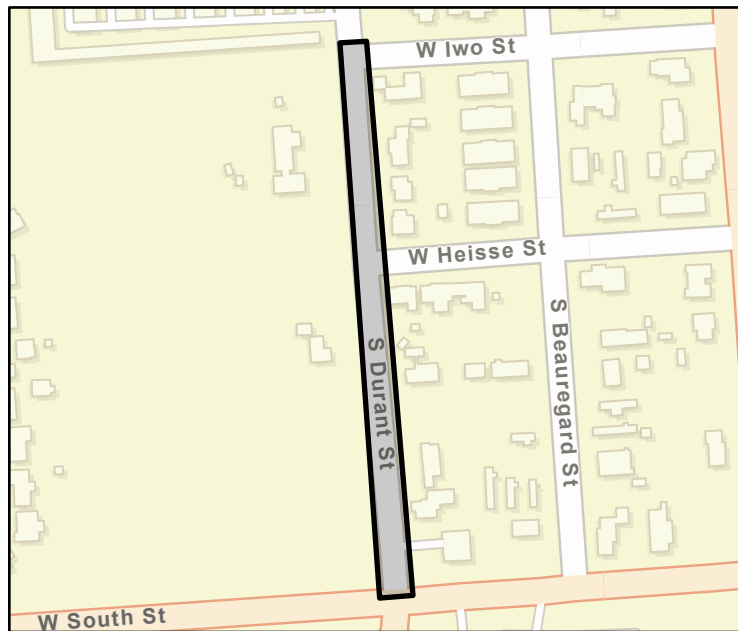
Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) -

Number of low water crossings - Historical road closures -

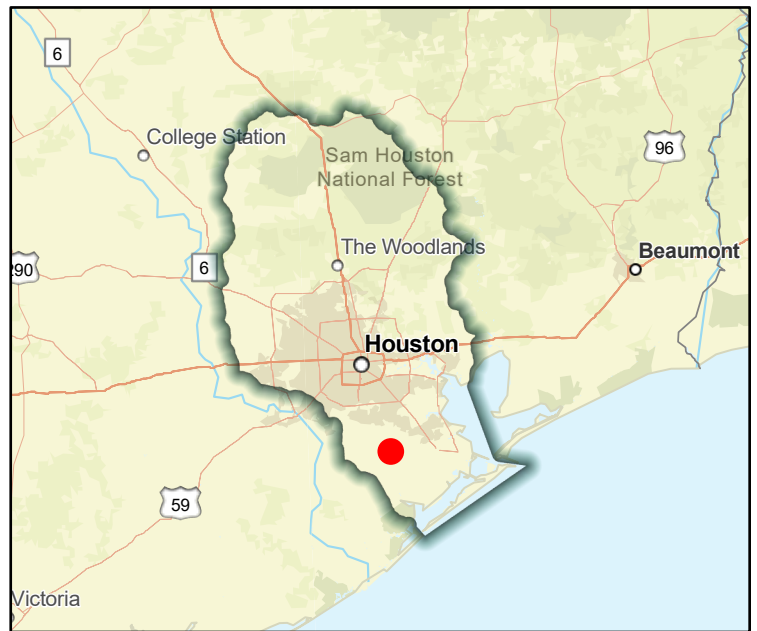
## Estimated Cost and Funding Availability

Total Cost \$110,000 Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Durant Street Storm Sewer and Pavement Improvements - Phase 2

ID# 061000002

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

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study of Durant Street Phase 2 to reduce flood risk with upgrades to storm sewer system, concrete curb, gutter, pavement, and sidewalk.

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

County Brazoria Watershed HUC# (if known) 120402040400

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>

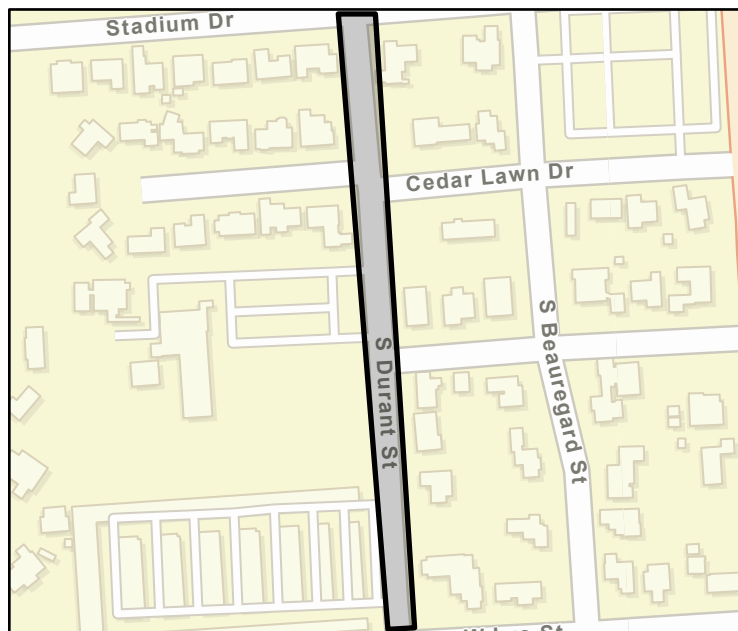
Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) -

Number of low water crossings - Historical road closures -

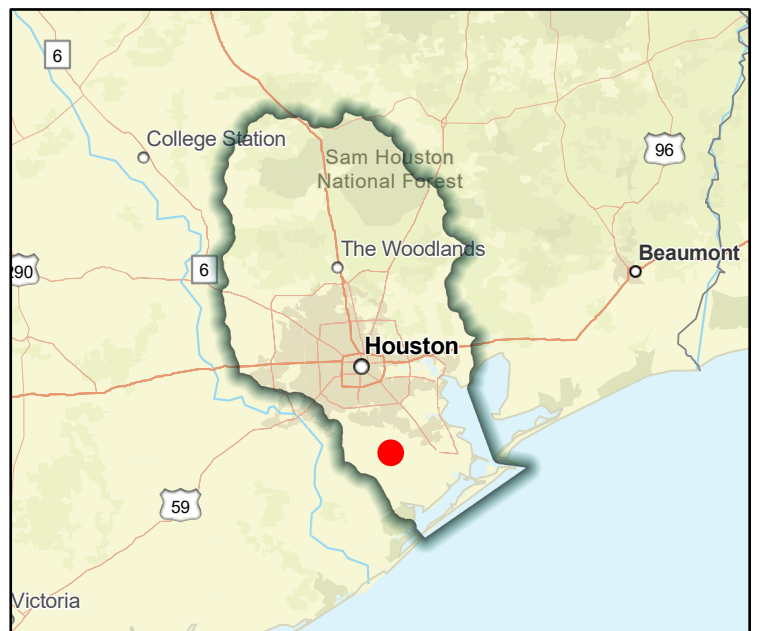
## Estimated Cost and Funding Availability

Total Cost \$90,000 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 East Chocolate Bayou (E103-00-00)

ID# 061000053

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

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

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

County Brazoria Watershed HUC# (if known) 120402040400

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? Yes Coastal? No Local? No Playa? No Other? No

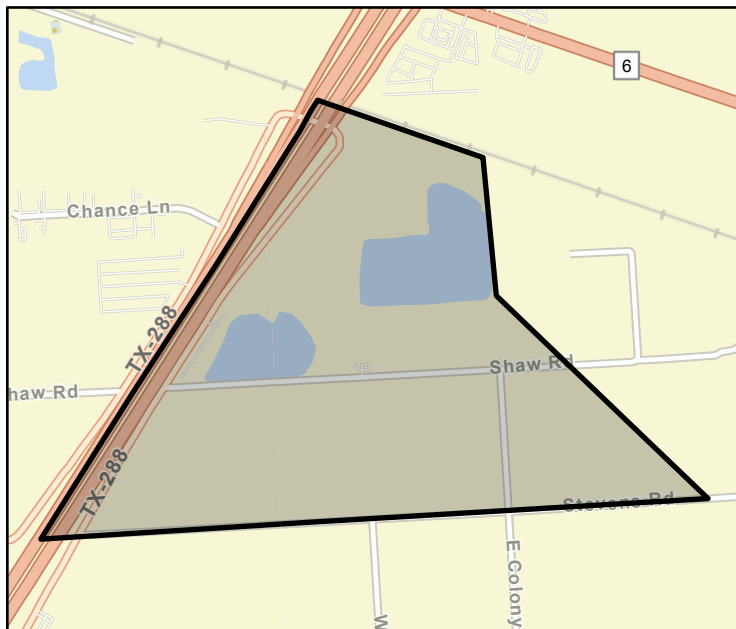
Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) 0

Number of low water crossings - Historical road closures -

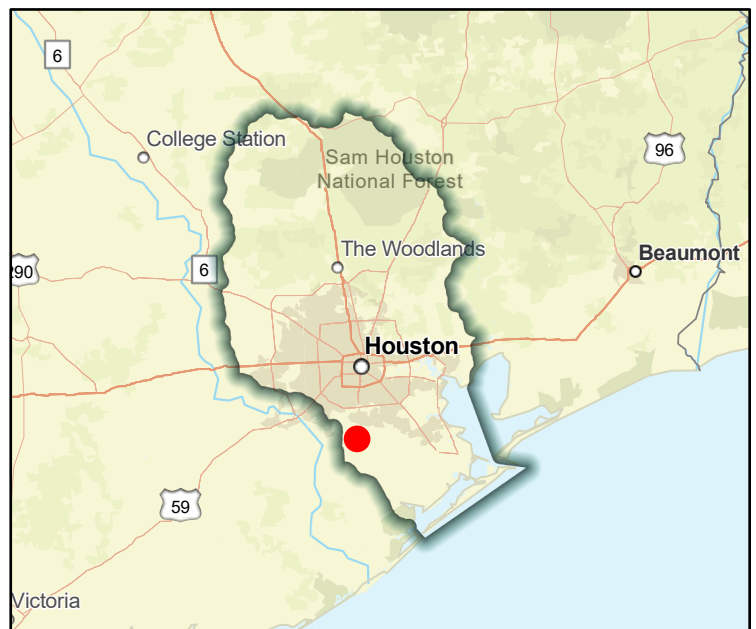
## Estimated Cost and Funding Availability

Total Cost \$48,000 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 East Fork North - Alligator Creek Watershed

ID# 061000446

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.) 6 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 5,236 # of structures 1,640 Critical facilities 5

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

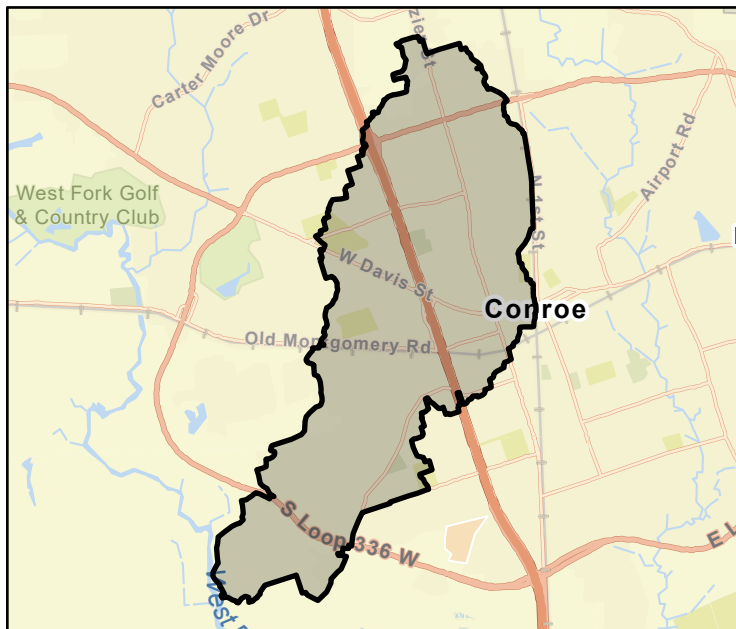
Farm/Ranch land impacted (acres) 10 Roadway(s) impacted (length) 22

Number of low water crossings 0 Historical road closures 0

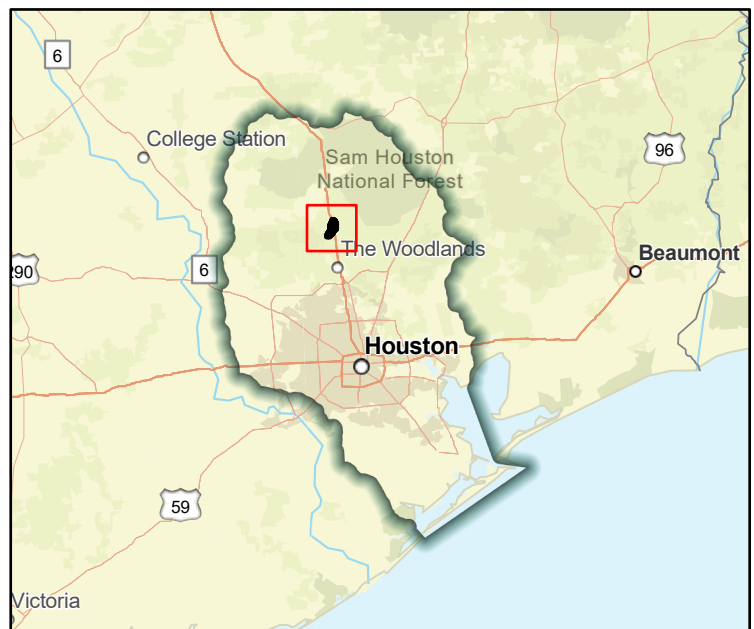
## Estimated Cost and Funding Availability

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 East Fork South - Alligator Creek Watershed

ID# 061000447

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.) 6 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 24,456 # of structures 6,515 Critical facilities 60

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

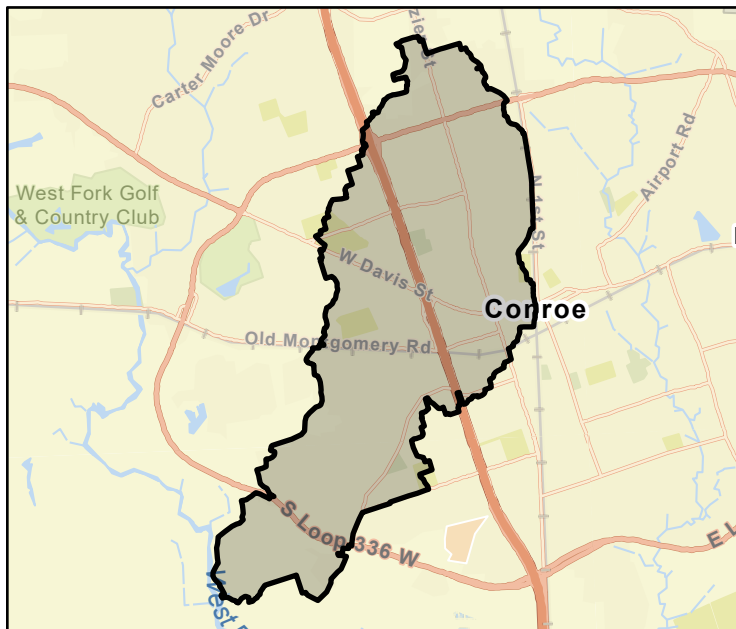
Farm/Ranch land impacted (acres) 12 Roadway(s) impacted (length) 72

Number of low water crossings 3 Historical road closures 3

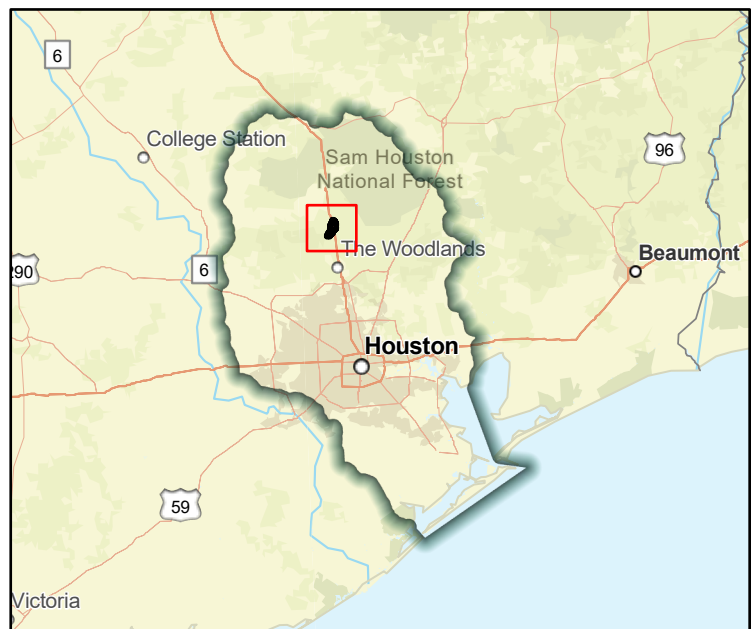
## Estimated Cost and Funding Availability

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 Eastex Freeway Forest Sections 3 & 4 Subdivision Improvements

ID# 061000469

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) 120401040604,120401040603

Drainage area (Square miles, est.) 20 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 22,126 # of structures 10,021 Critical facilities 39

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

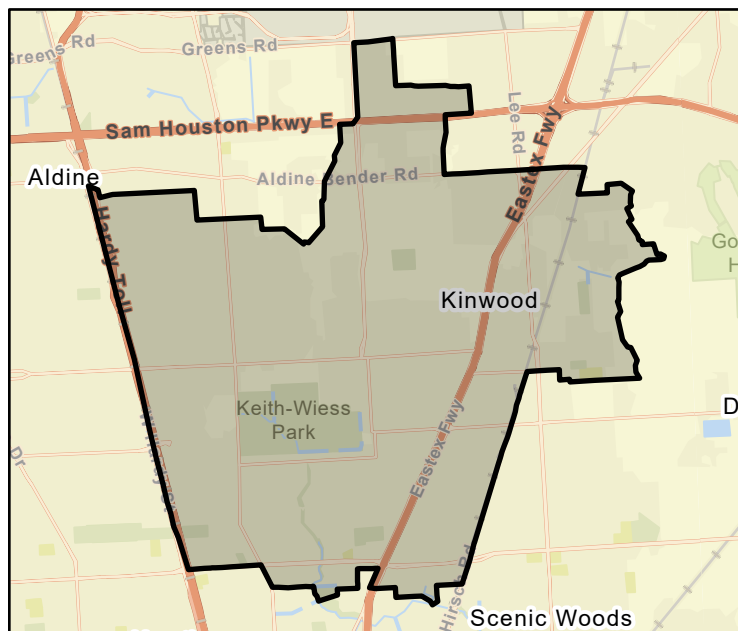
Farm/Ranch land impacted (acres) 297 Roadway(s) impacted (length) 213

Number of low water crossings 17 Historical road closures 17

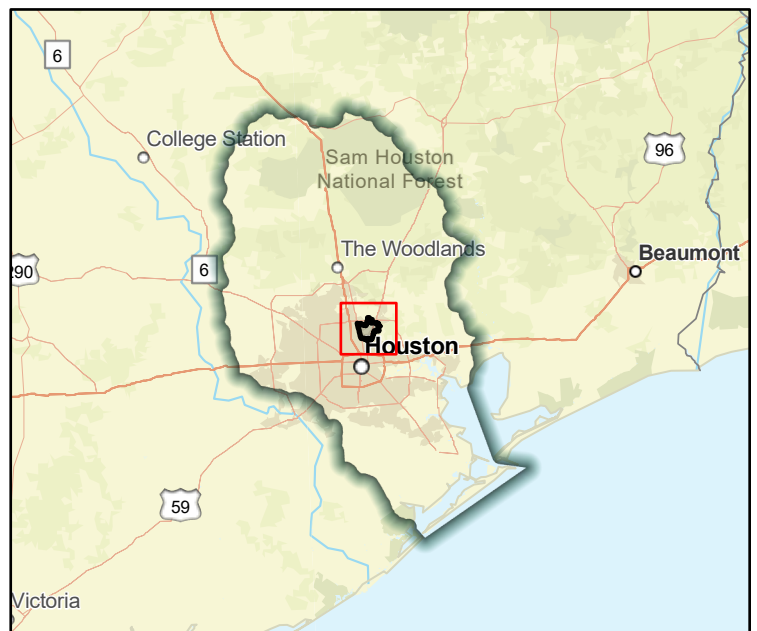
## Estimated Cost and Funding Availability

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 Elevate Existing Bridge - East Fork San Jacinto River

ID# 061000140

Sponsor (name of entity, not person) North Cleveland (Municipality)

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Evaluate, Design and construct new bridge over east fork san jacinto river on low water bridge road to reduce flooding.

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

County Liberty Watershed HUC# (if known) 120401030201,120401030401

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

## 100-Year Flood Risk Summary

Population at risk 44 # of structures 52 Critical facilities 0

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

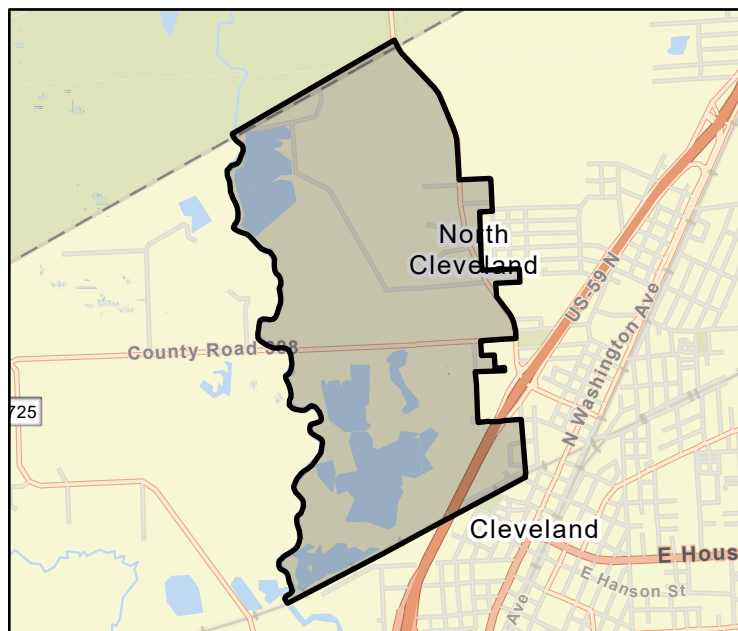
Farm/Ranch land impacted (acres) 6 Roadway(s) impacted (length) 3

Number of low water crossings - Historical road closures -

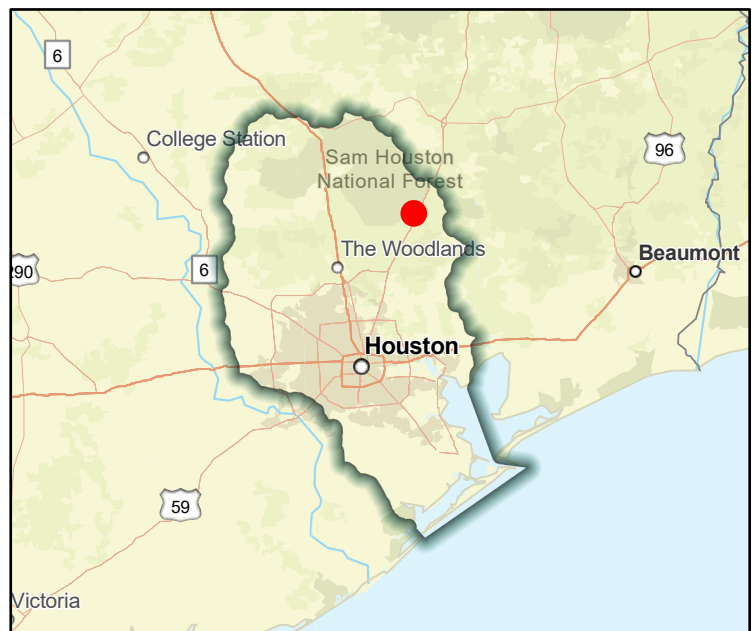
## Estimated Cost and Funding Availability

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 Elevation of Bridge Road in City of North Cleveland

ID# 061000162

Sponsor (name of entity, not person) North Cleveland (Municipality)

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study to elevate Bridge road

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Liberty, Montgomery, San Jacinto

Watershed HUC# (if known) 120401030201, 120401030108, 120401030109, 120401030203, 120401030

Drainage area (Square miles, est.) 19

Goal(s) 06000001, 06000011, 06000012, 06000015

## 100-Year Flood Risk Summary

Population at risk 1,267

# of structures 261

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 29

Roadway(s) impacted (length) 27

Number of low water crossings 1

Historical road closures

1

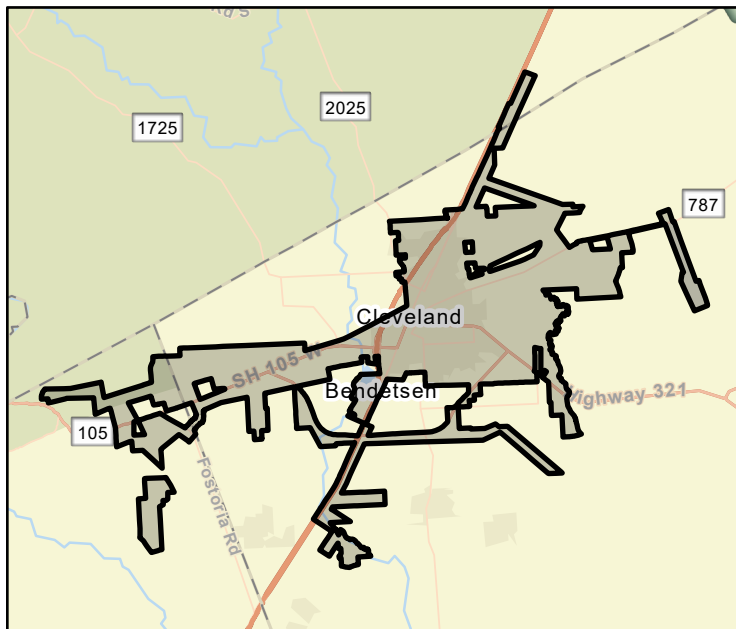
## Estimated Cost and Funding Availability

Total Cost \$100,000

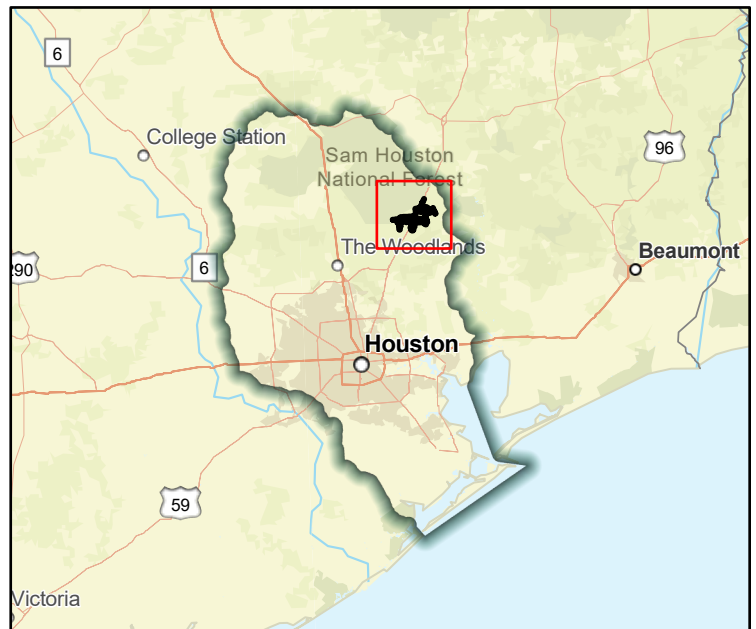
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title Evaluatin of Increase Height of Existing Levee Wall System in City of La Marque

ID# 061000149

Sponsor (name of entity, not person) La Marque (Municipality)

RFPG recommend? -

Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Increase height of existing Levee wall system to withstand a Category 5 storm surge

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.) 14

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 1,612

# of structures 829

Critical facilities 8

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 38

Roadway(s) impacted (length) 31

Number of low water crossings 1

Historical road closures 1

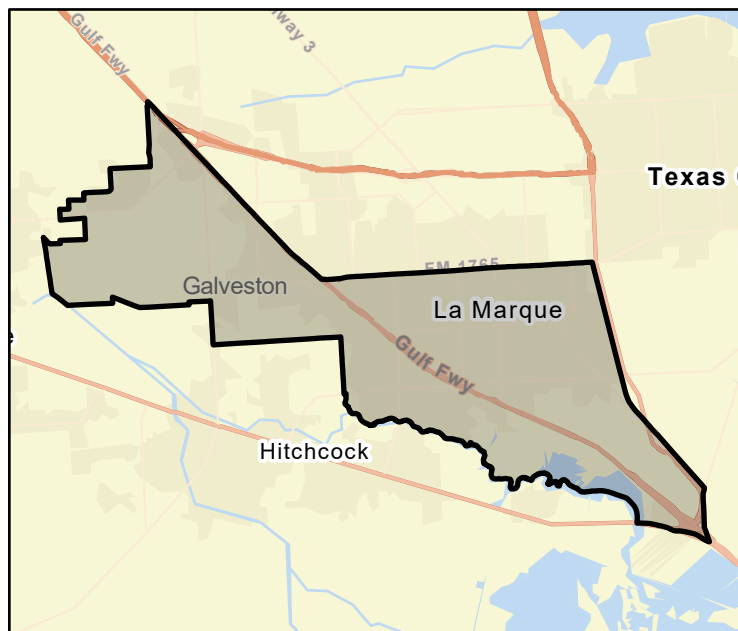
## Estimated Cost and Funding Availability

Total Cost \$1,150,000

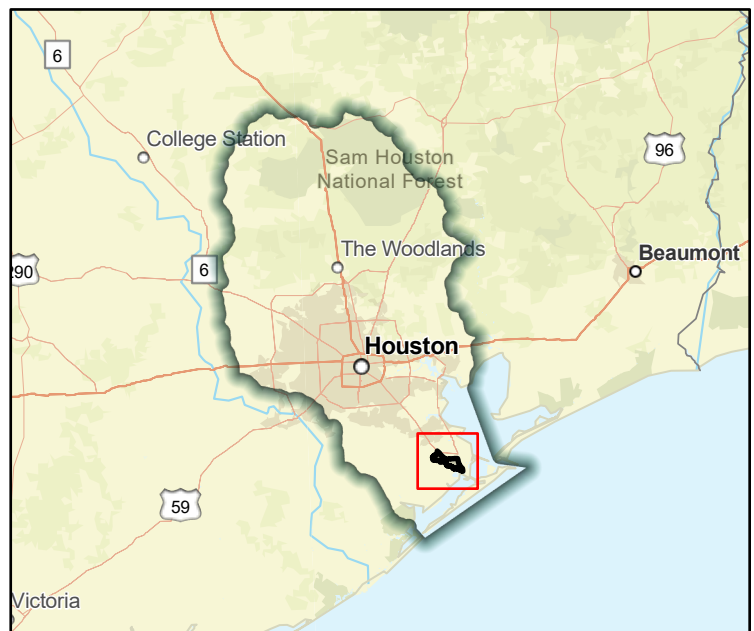
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Evaluation of Culvert Enlargement and Bridge Elevation in Grimes County**

ID# **061000120**

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

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

## Study Details

Study type **Project Planning**

Study description **Study to identify flood-prone areas and mitigate the flooding problem by enlarging culverts under roads and bridges.**

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

County **Grimes** Watershed HUC# (if known) **120401010101,120401010301,120401010302,120401010303,12040101010**

Drainage area (Square miles, est.) **799** Goal(s) **06000001,06000011,06000012,06000015**

## 100-Year Flood Risk Summary

Population at risk **120** # of structures **145** Critical facilities **0**

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

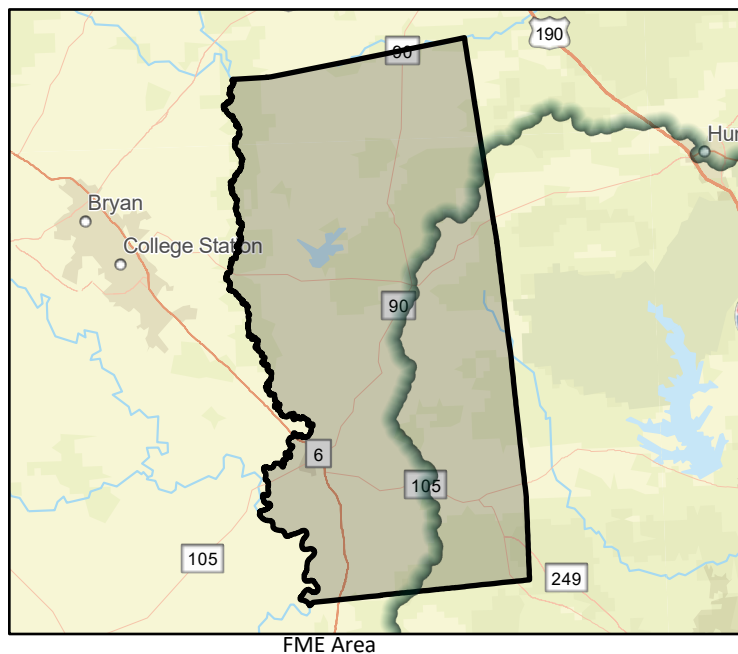
Farm/Ranch land impacted (acres) **151** Roadway(s) impacted (length) **11**

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

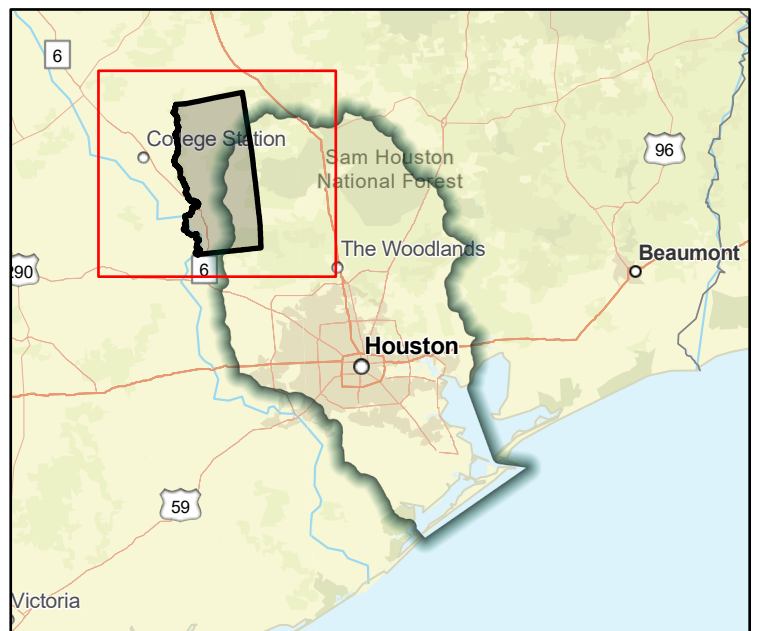
## Estimated Cost and Funding Availability

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 Evaluation of Dredging of Channels that Exit Into Lake Houston

ID# 061000437

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 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,Liberty,Montgomery

Watershed HUC# (if known) 120401010501,120401030205,120401030402

Drainage area (Square miles, est.) 156

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 25,574

# of structures 6,662

Critical facilities 64

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 327

Roadway(s) impacted (length) 169

Number of low water crossings 1

Historical road closures

1

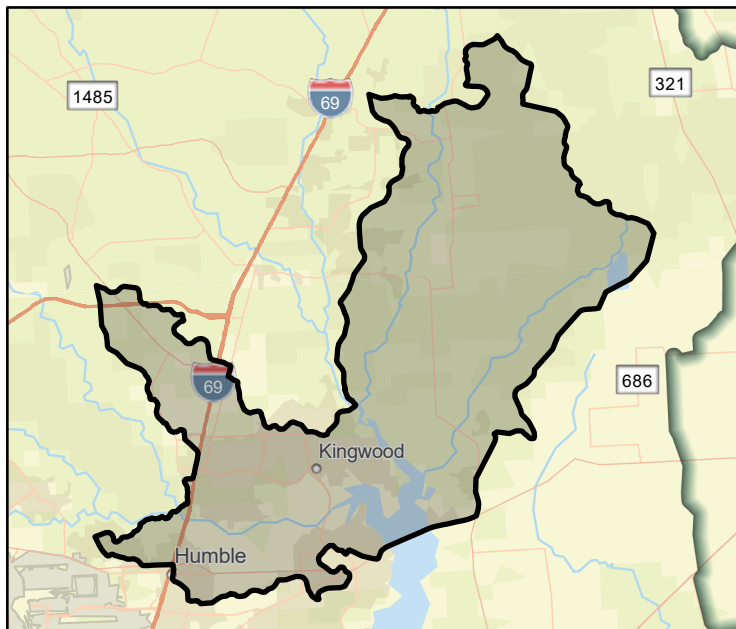
## Estimated Cost and Funding Availability

Total Cost \$30,000

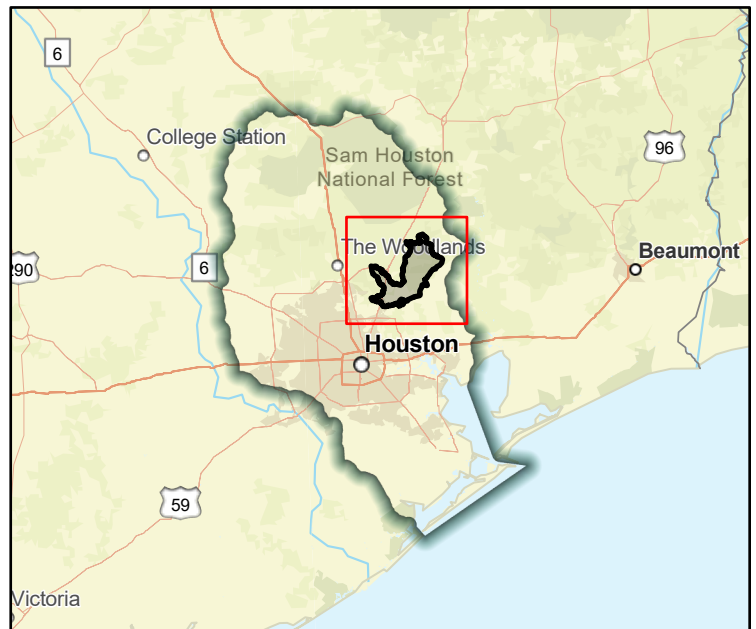
Amount of Available Funding -

Federal funding availability -

Funding source Unknown



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Evaluation of Mitigation Alternatives for Repetitive Flood Claims Properties in Galveston County

ID# 061000151

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

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Evaluate Mitigation Alternatives of Repetitive Flood Claim Properties in Galveston County

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Galveston

Watershed HUC# (if known) 120402040300,120402040200,120402040400,120402040100

Drainage area (Square miles, est.) 665

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 171,395

# of structures 48,570

Critical facilities 681

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 3,412

Roadway(s) impacted (length) 910

Number of low water crossings 30

Historical road closures

30

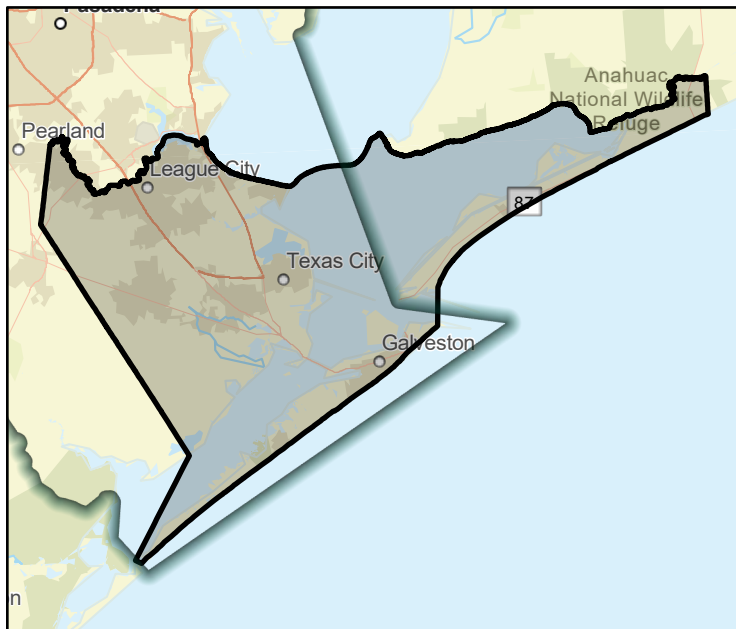
## Estimated Cost and Funding Availability

Total Cost \$100,000

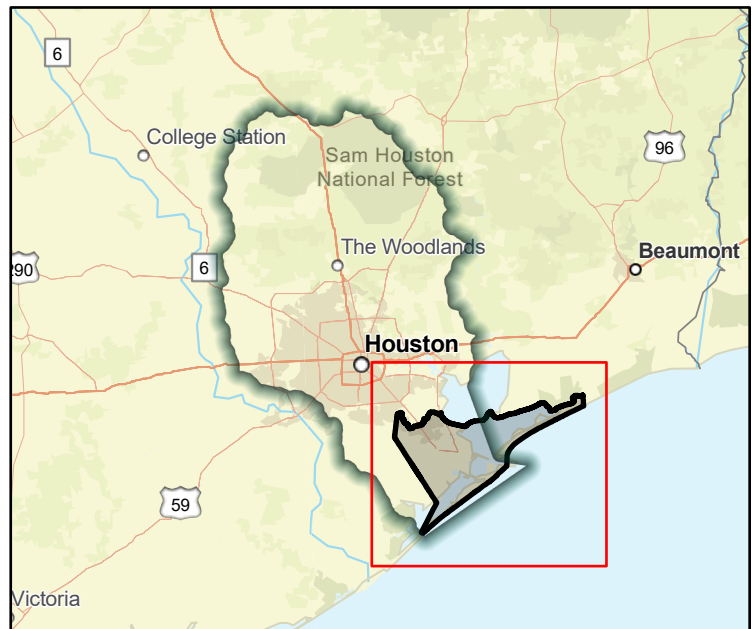
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Evaluation of Reinforcement of Critical Facilities in the City of Arcola

ID# 061000150

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

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Reinforcement of critical facilities to withstand high winds from severe weather.

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

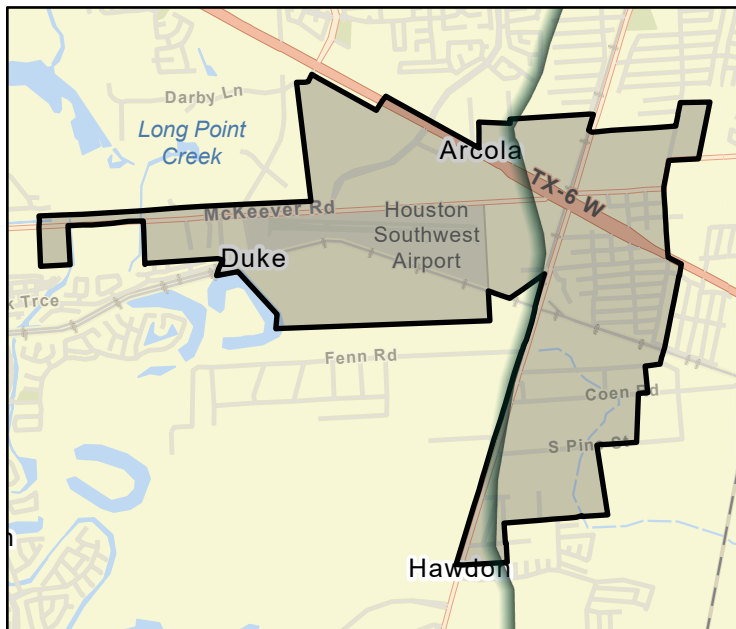
Farm/Ranch land impacted (acres) 1 Roadway(s) impacted (length) 0

Number of low water crossings 0 Historical road closures 0

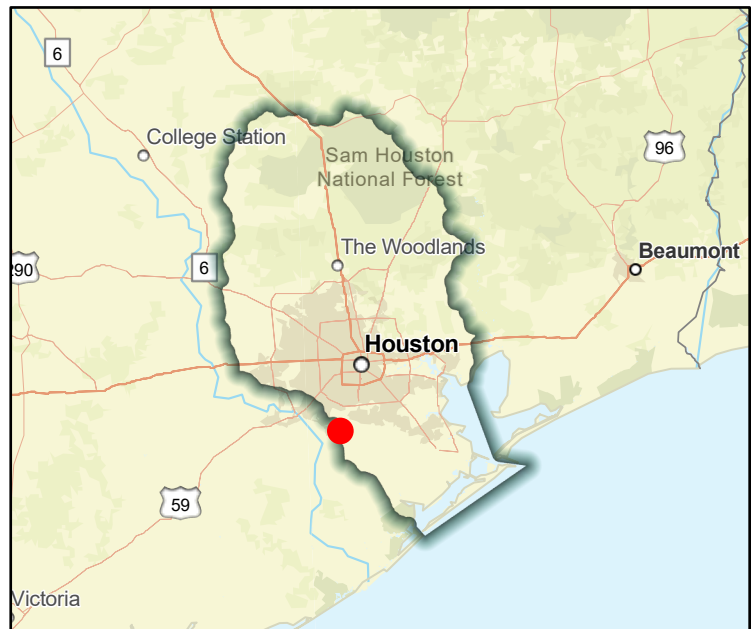
## Estimated Cost and Funding Availability

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 Fallbrook, Ridgepoint and Westpoint Subdivision Drainage Improvements

ID# 061000416

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) 120401040604,120401040603

Drainage area (Square miles, est.) 2

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 366

# of structures 114

Critical facilities 5

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) -

Roadway(s) impacted (length) 1

Number of low water crossings 0

Historical road closures 0

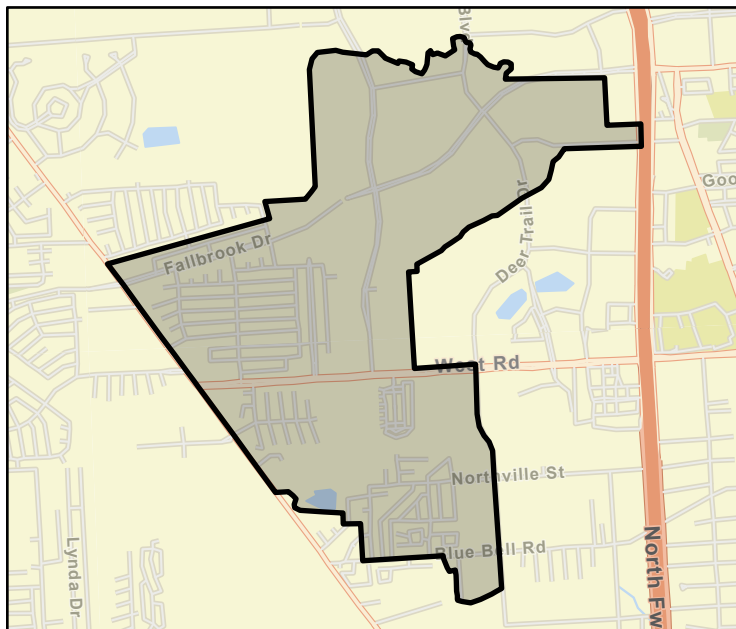
## Estimated Cost and Funding Availability

Total Cost \$30,000

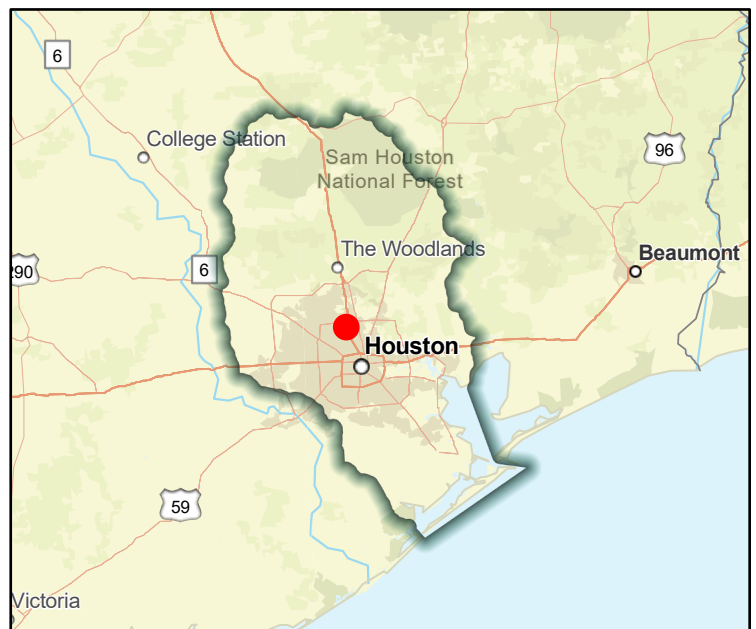
Amount of Available Funding -

Federal funding availability -

Funding source Unknown



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



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

Title Flood Gates Evaluation at Walker County Annex #2

ID# 061000156

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

RFPG recommend? -

Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Evaluation of proposed removable facility flood gates at Walker County Annex #2

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Walker

Watershed HUC# (if known) 120401010104,120401010101,120401010102,120401010103,120401010104

Drainage area (Square miles, est.) 798

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 657

# of structures 505

Critical facilities 1

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 180

Roadway(s) impacted (length) 25

Number of low water crossings 2

Historical road closures

2

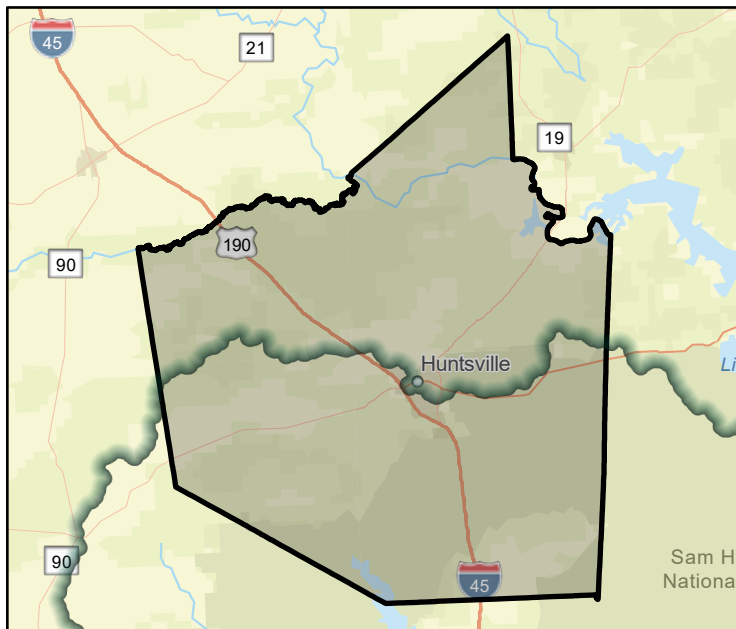
## Estimated Cost and Funding Availability

Total Cost \$100,000

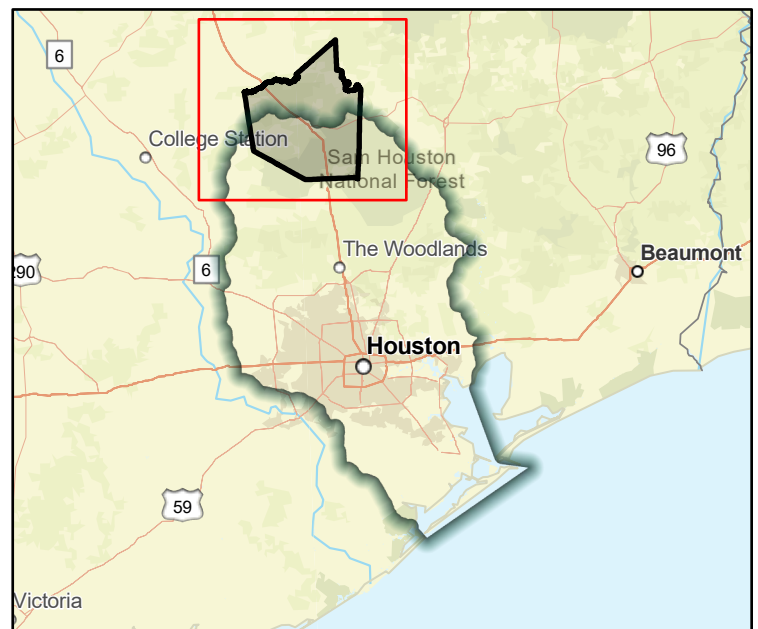
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



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

Title FM518 Drainage Improvements- Phase 2

ID# 061000123

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 2007 Master Drainage Plan 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

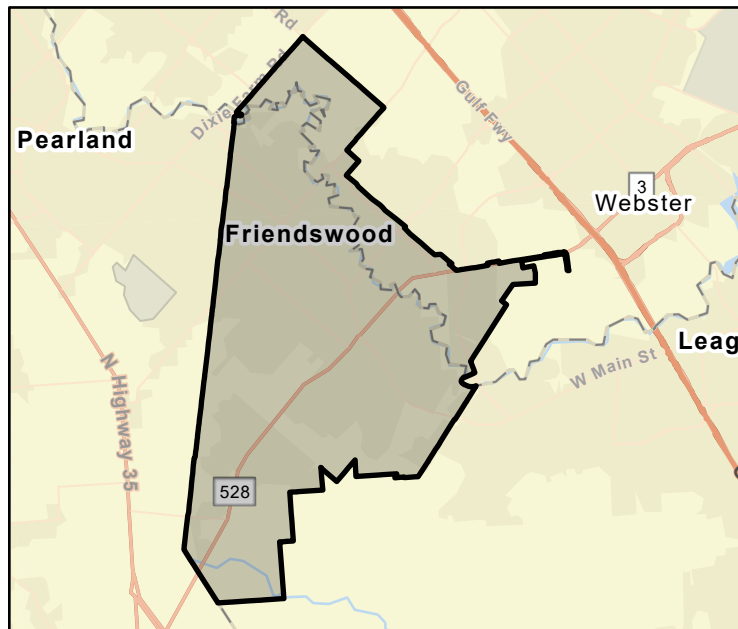
Farm/Ranch land impacted (acres) 18 Roadway(s) impacted (length) 38

Number of low water crossings 5 Historical road closures 5

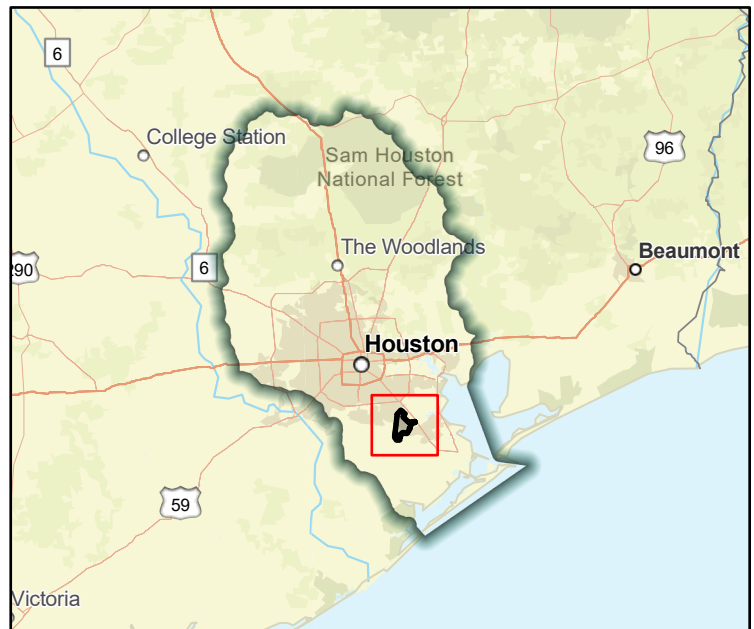
## Estimated Cost and Funding Availability

Total Cost \$60,000 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 Forest Estates - Live Oak Creek Watershed  
Artesian Forest 1 - Artesian Creek Watershed

ID# 061000442

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.) 2 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 4,689 # of structures 812 Critical facilities 24

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

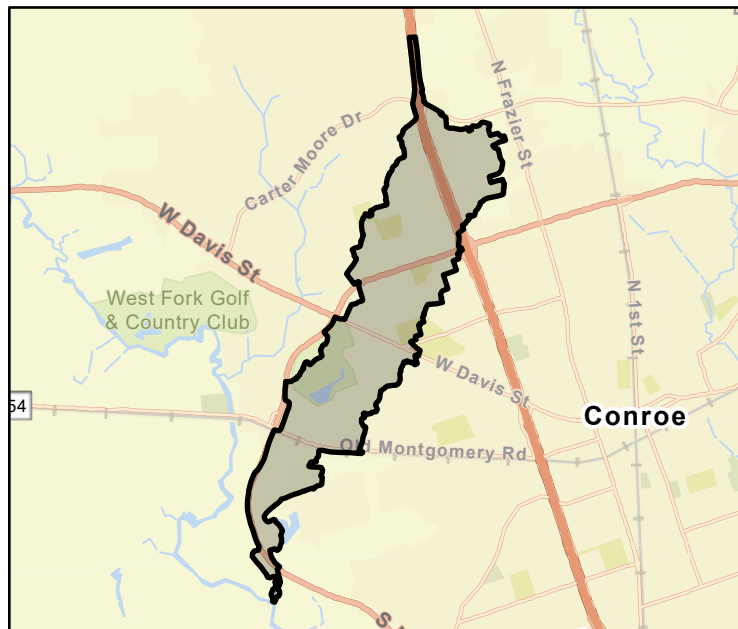
Farm/Ranch land impacted (acres) 96 Roadway(s) impacted (length) 19

Number of low water crossings 2 Historical road closures 2

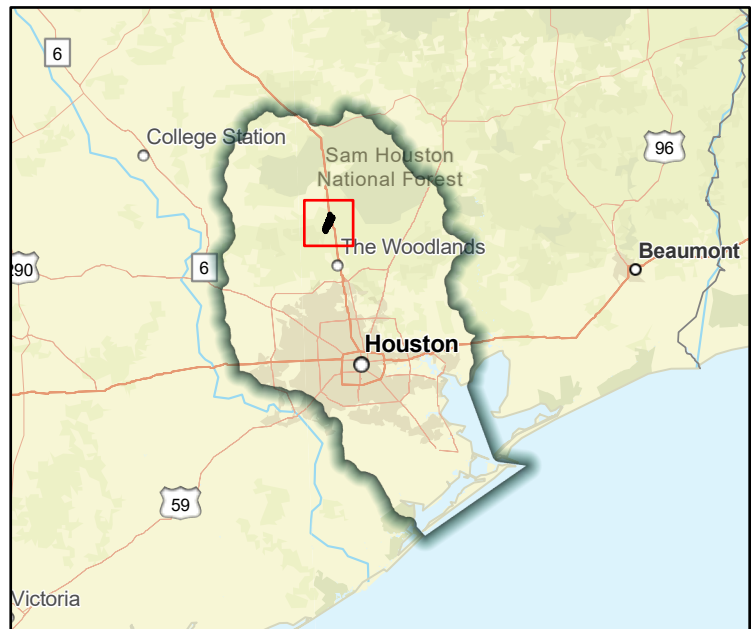
## Estimated Cost and Funding Availability

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 Fort Bend County - Big Creek Project

ID# 061000101

Sponsor (name of entity, not person) Fort Bend County Drainage District

RFPG recommend? -

Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study of Big Creek channel improvements and wetland mitigation sites.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Fort Bend

Watershed HUC# (if known) 120401040102,120401040103,120401040104,120401040101,120401040

Drainage area (Square miles, est.) 883

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 5,899

# of structures 1,540

Critical facilities 11

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 122

Roadway(s) impacted (length) 18

Number of low water crossings 6

Historical road closures 6

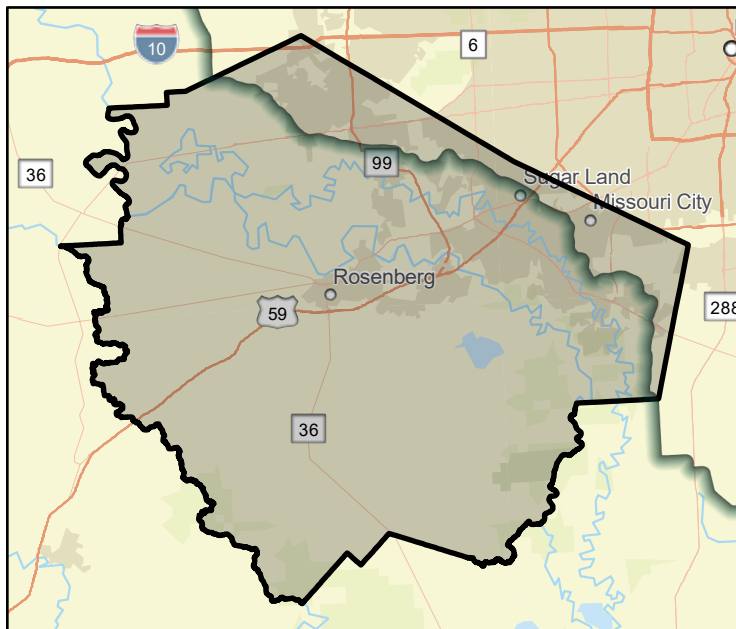
## Estimated Cost and Funding Availability

Total Cost \$230,000

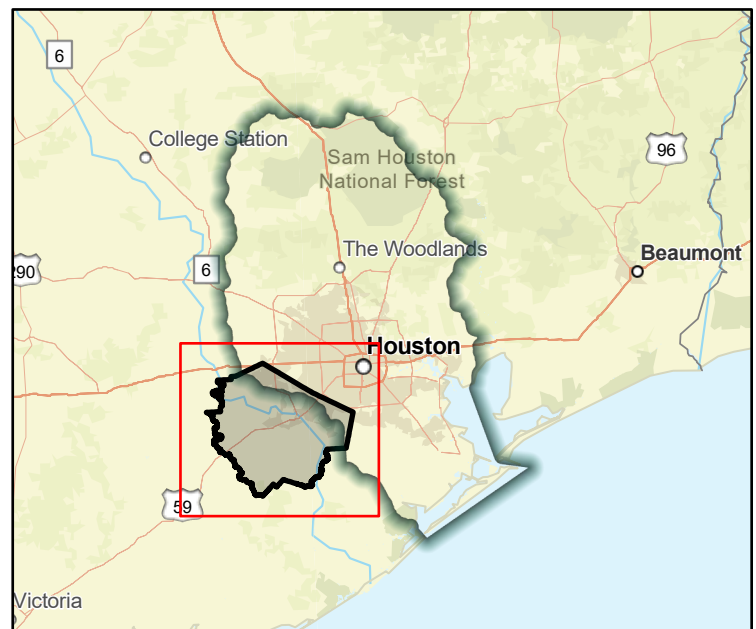
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Fort Bend County Willow Fork Channel Improvements

ID# 061000318

Sponsor (name of entity, not person) Fort Bend County Drainage District

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study and BCA development. Combo of 11 different channel improvements were identified along Willow Fork and its tributaries as part of the Fort Bend County Master Drainage Plan that, when combined, will provide a 100-year level of service.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Fort Bend,Harris,Waller

Watershed HUC# (if known) 120401040102,120401040103,120401040104,120401040101,120401040105

Drainage area (Square miles, est.) 46

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 1,450

# of structures 404

Critical facilities 10

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 80

Roadway(s) impacted (length) 8

Number of low water crossings 2

Historical road closures 2

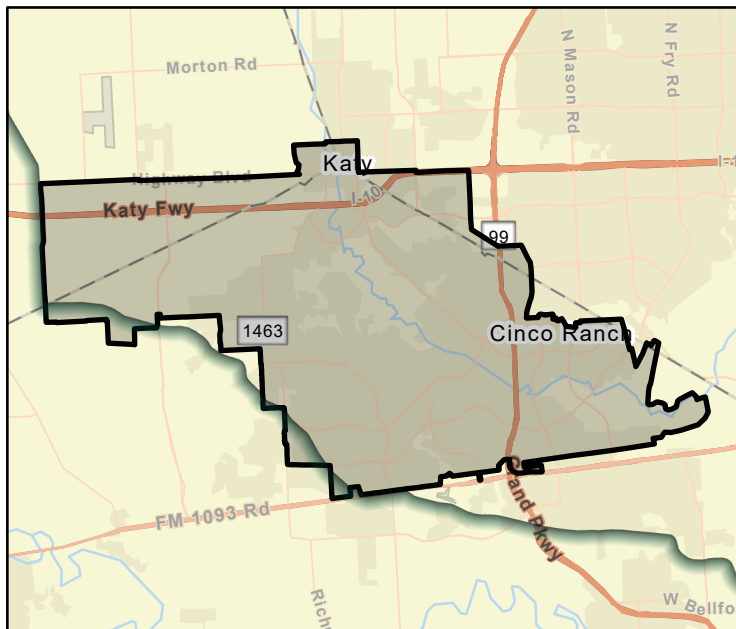
## Estimated Cost and Funding Availability

Total Cost \$330,000

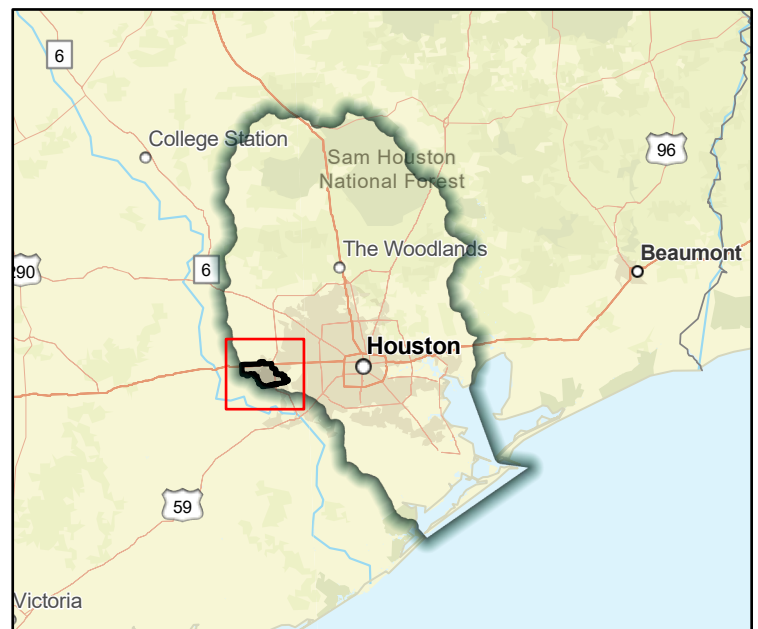
Amount of Available Funding -

Federal funding availability -

Funding source Unknown



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)

Title G103-38-00 (Kingwood Diversion Ditch)

ID# 061000360

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 to become a FMP. Improvements to the Kingwood Diversion Ditch include channel modifications, flow diversion from Bens Branch, bridge replacements, as well as a new outfall to the West Fork San Jacinto River.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401010501,120401010404,120401030110,120401030402

Drainage area (Square miles, est.) 27

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 17,400

# of structures 3,464

Critical facilities 54

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 9

Roadway(s) impacted (length) 61

Number of low water crossings 2

Historical road closures 2

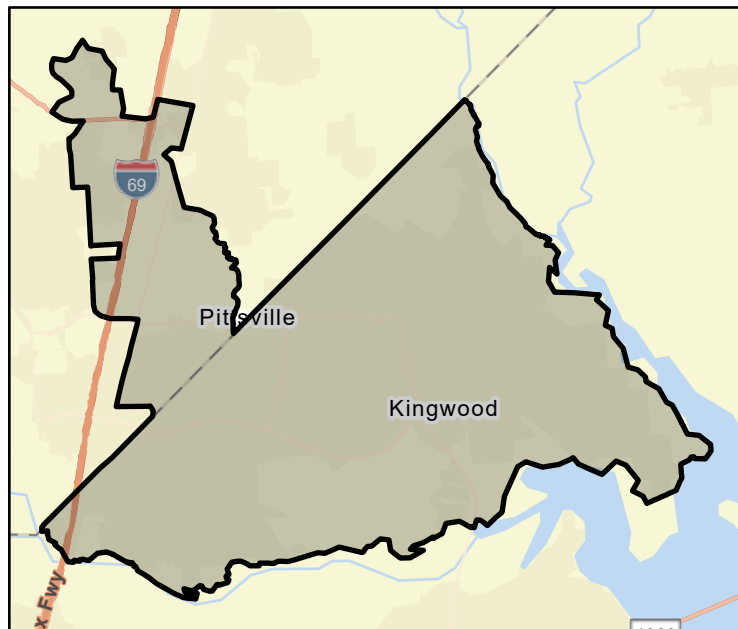
## Estimated Cost and Funding Availability

Total Cost \$30,000

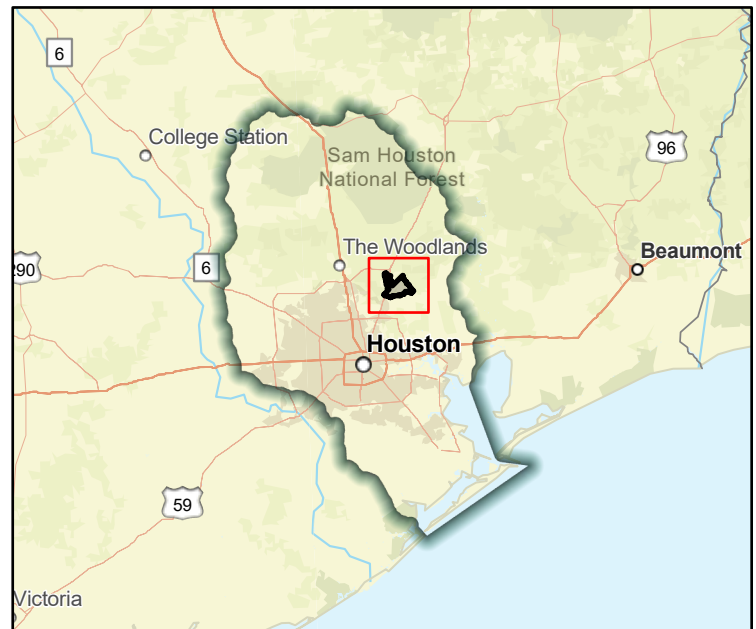
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title G103-80-03.1B (Taylor Gully)

ID# 061000361

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. Improvements to Taylor Gully include two miles of channel conveyance improvements to the upper limits of Taylor Gully and a concrete low flow structure.

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

County Harris Watershed HUC# (if known) 120401010501,120401010404,120401030110,120401030402

Drainage area (Square miles, est.) 22 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 16,230 # of structures 3,223 Critical facilities 47

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

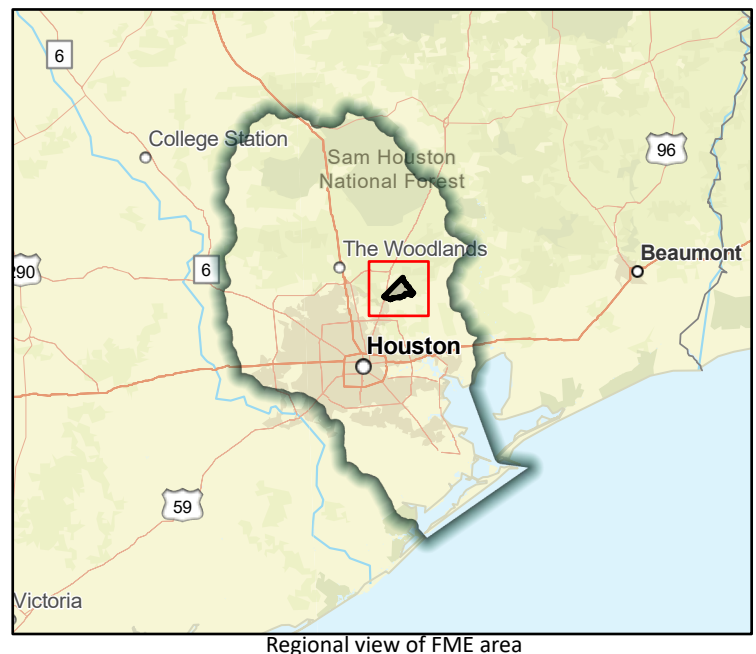
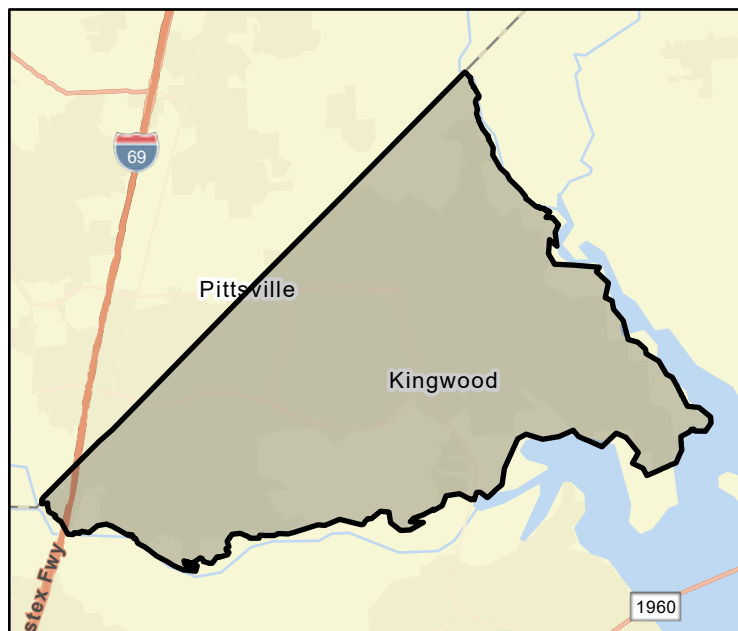
Farm/Ranch land impacted (acres) 9 Roadway(s) impacted (length) 58

Number of low water crossings 2 Historical road closures 2

## Estimated Cost and Funding Availability

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

Funding source -



# Flood Management Evaluation (FME)

Title Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00

ID# 061000349

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 Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The project could reduce the risk of flooding for over 40 structures in an Atlas 14 1% rainfall event.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401040706,120402040100

Drainage area (Square miles, est.) 2

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk -

# of structures -

Critical facilities -

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) -

Roadway(s) impacted (length) -

Number of low water crossings -

Historical road closures -

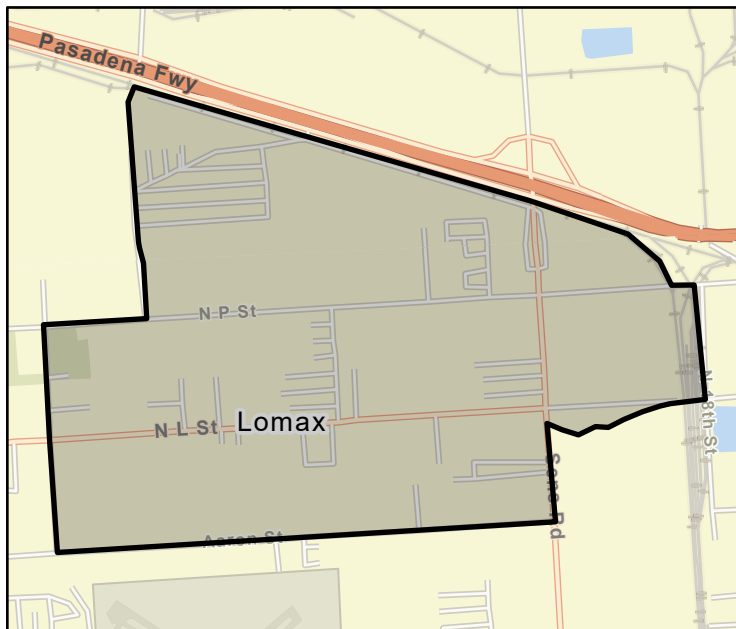
## Estimated Cost and Funding Availability

Total Cost \$30,000

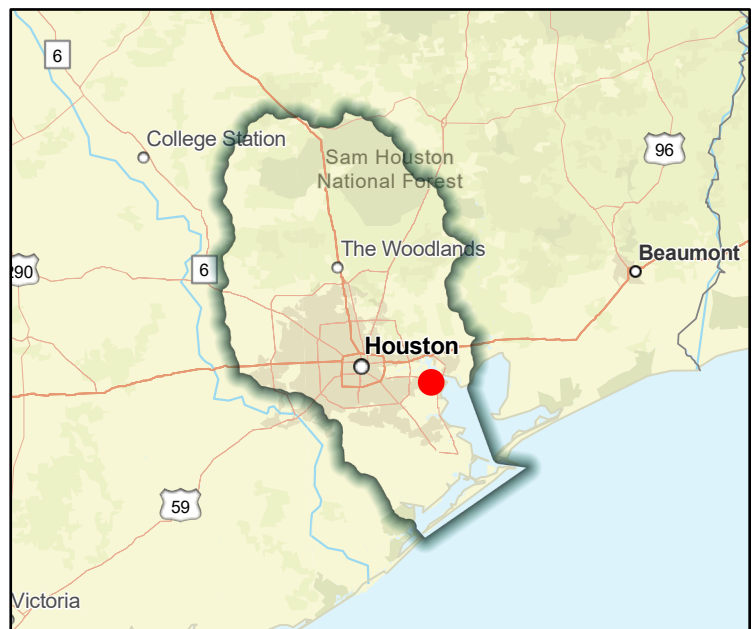
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

Title Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00

ID# 061000348

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 Benefit Cost Analysis needed for this project to become a FMP. The project could reduce the risk of flooding for more than 450 structures in an Atlas 14 1% rainfall event.

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

County Harris Watershed HUC# (if known) 120401040706,120402040100

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

## 100-Year Flood Risk Summary

Population at risk 604 # of structures 215 Critical facilities 0

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

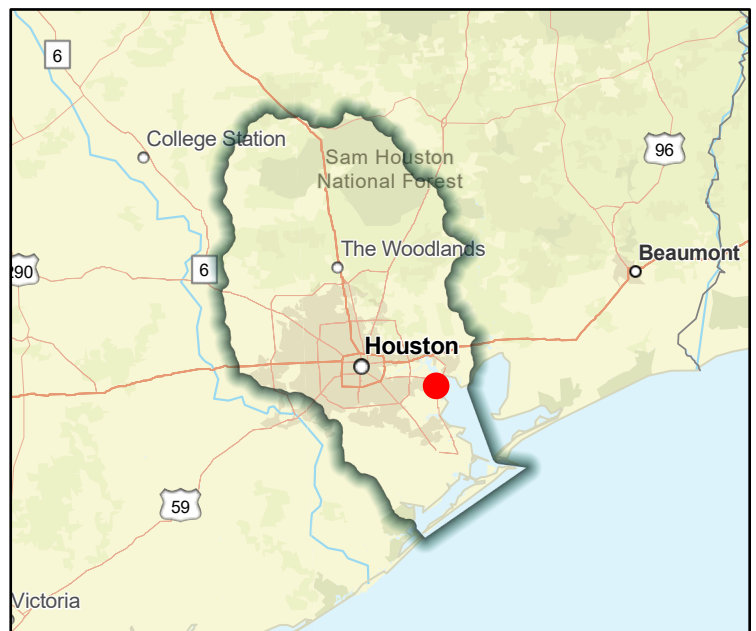
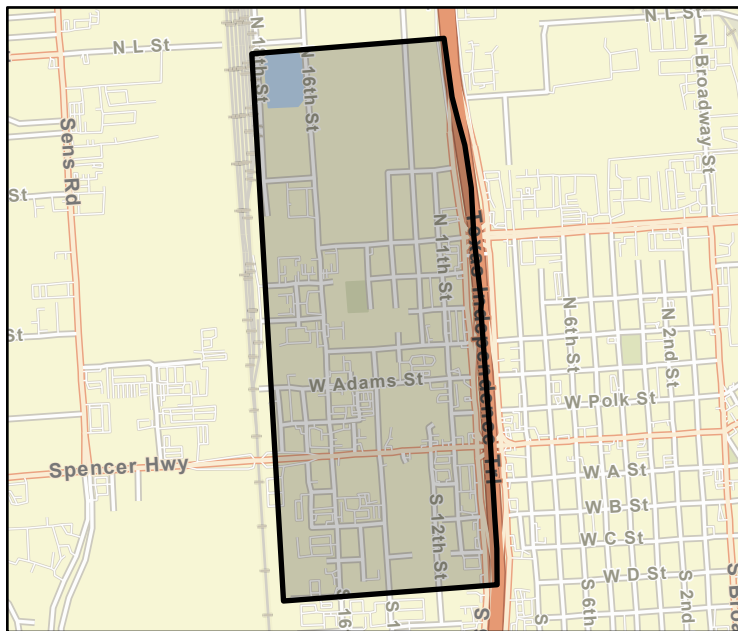
Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (length) 4

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 -



# Flood Management Evaluation (FME)



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

Title Galveston Bay Watershed Plan- PA01 (N+6) Channel & Crossing Improvements

ID# 061000343

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

RFPG recommend? -

Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Develop BCA to become FMP. Channel deepening from N Broadway St to N Utah St, convert open channel segment to closed conduit w/ 8'x5' concrete boxes b/w N Utah St & Main St, replace concrete pipe w/ dual 8'x5' concrete box culvert outfall to F212.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County 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 648

# of structures 259

Critical facilities 7

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length) 5

Number of low water crossings 0

Historical road closures 0

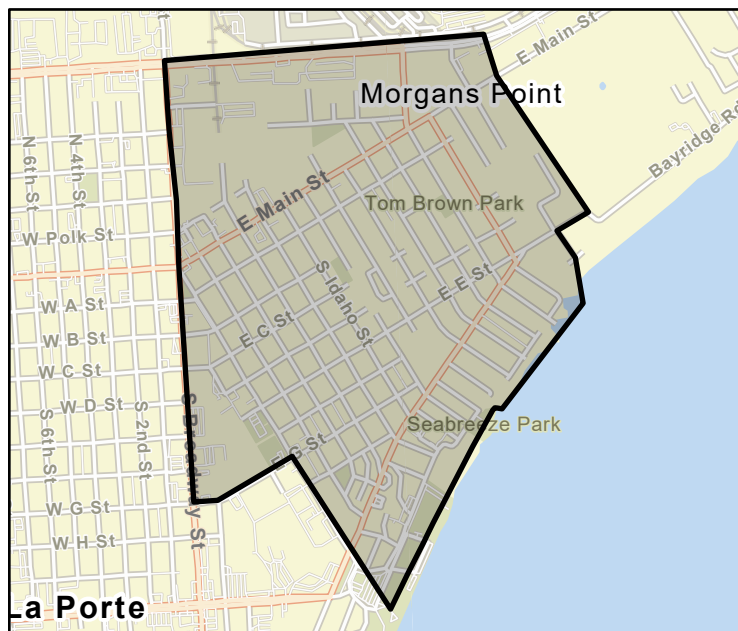
## Estimated Cost and Funding Availability

Total Cost \$30,000

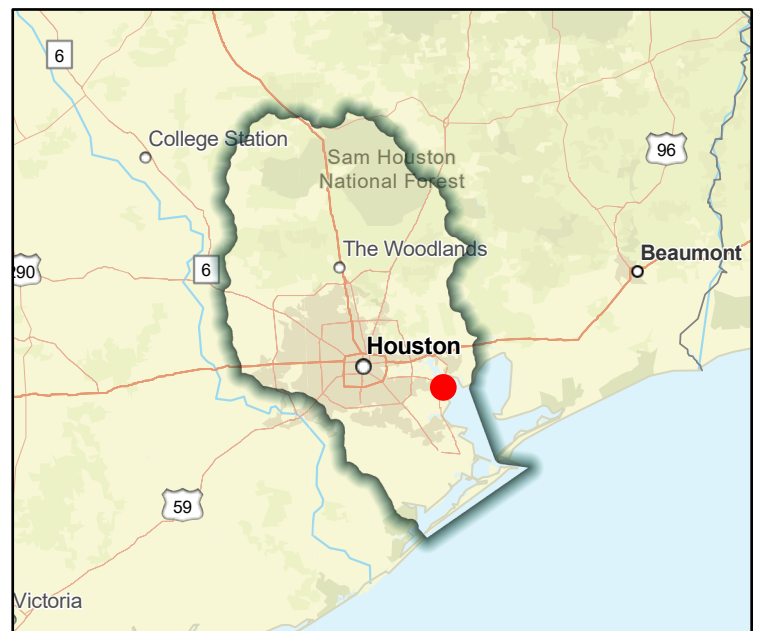
Amount of Available Funding -

Federal funding availability -

Funding source Harris County, City of La Porte



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Galveston Bay Watershed Plan- Analysis of PA07 100-year Conveyance Project

ID# 061000034

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

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Project recommended by the Galveston Bay Watershed Plan. Modeling required to determine no negative Proposed subdivision drainage improvements to the Battle Ground Estates include replacement of driveway crossings and widening F101-08.

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

County Chambers,Harris Watershed HUC# (if known) 120401040706,120402040100

Drainage area (Square miles, est.) 19 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 14,150 # of structures 3,302 Critical facilities 108

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

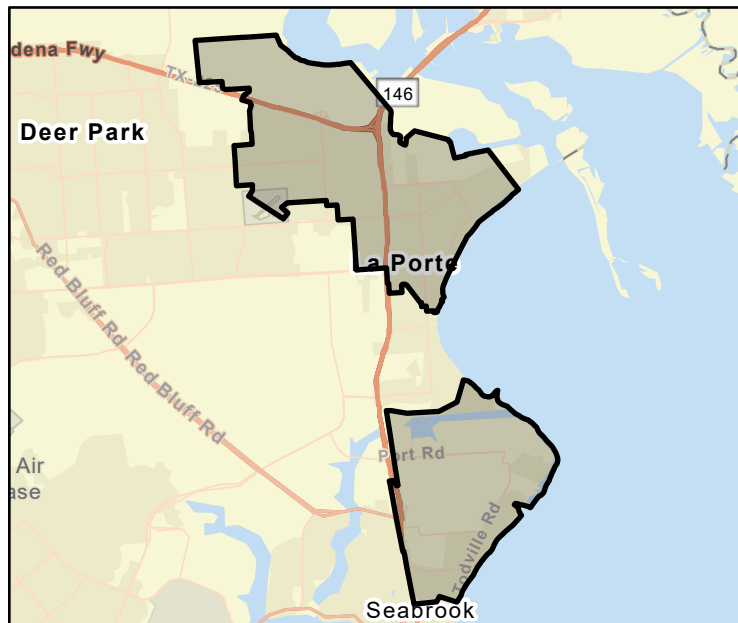
Farm/Ranch land impacted (acres) 18 Roadway(s) impacted (length) 55

Number of low water crossings 0 Historical road closures 0

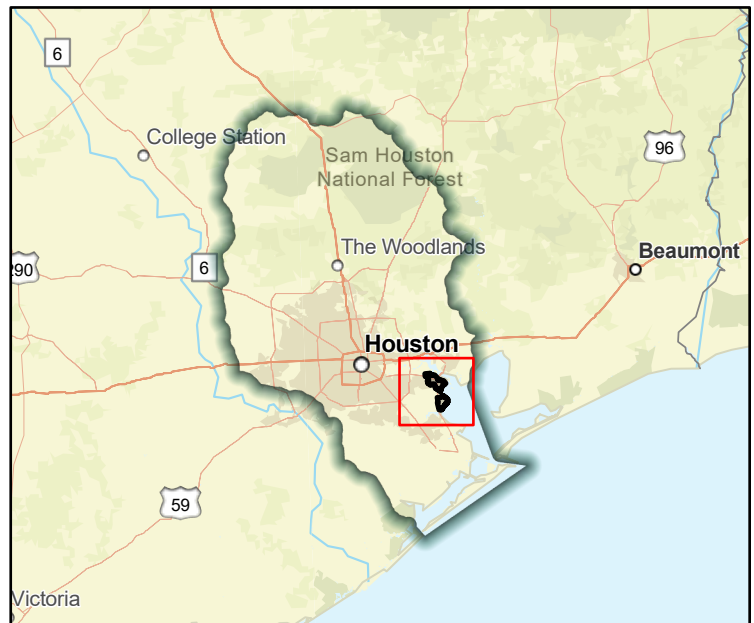
## Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area