

# Flood Management Evaluation (FME)



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

Title Toby - Little Caney Creek Watershed

ID# 061000459

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) 120401010403,120401010401,120401010402

Drainage area (Square miles, est.) 9

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 4,662

# of structures 879

Critical facilities 6

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 5

Roadway(s) impacted (length) 17

Number of low water crossings 9

Historical road closures 9

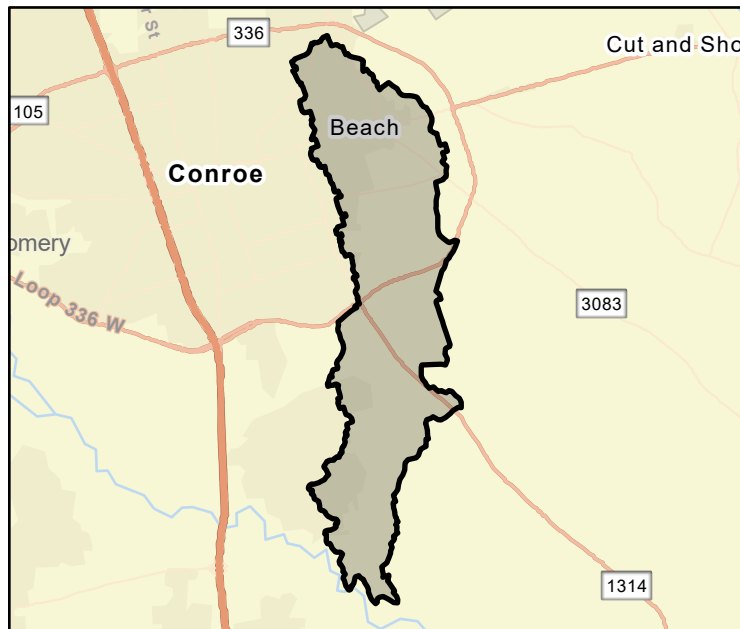
## Estimated Cost and Funding Availability

Total Cost \$30,000

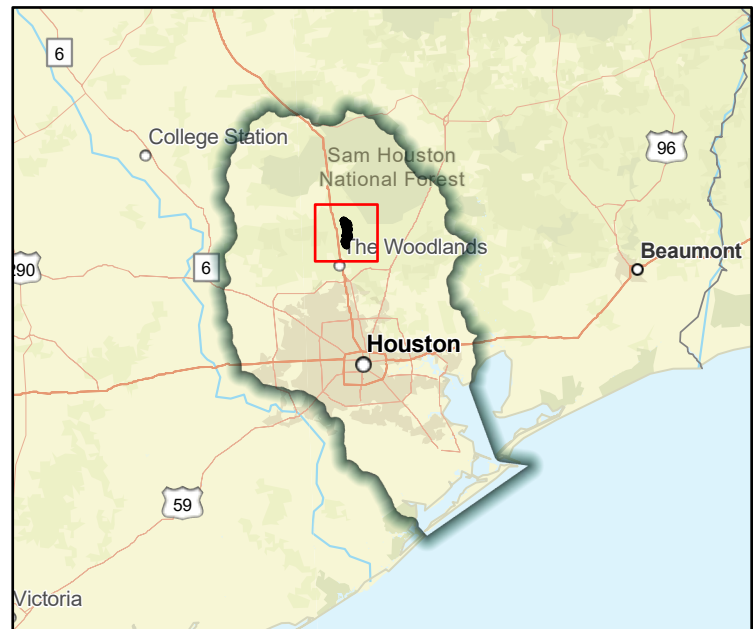
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



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

Title **Town of Woodloch Master Drainage Plan**

ID# **061000300**

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

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

## Study Details

Study type **Project Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

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

County **Montgomery** Watershed HUC# (if known) **120401010402**

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

## 100-Year Flood Risk Summary

Population at risk **233** # of structures **85** Critical facilities **0**

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

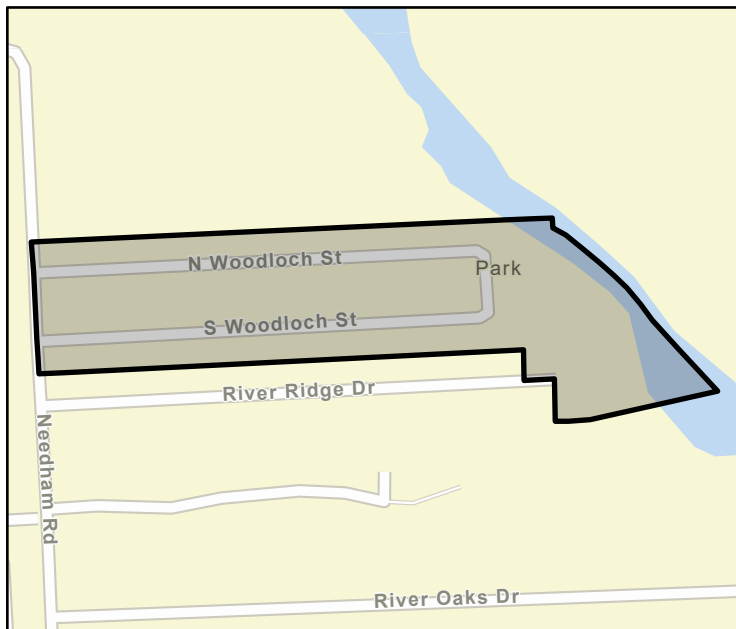
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **1**

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

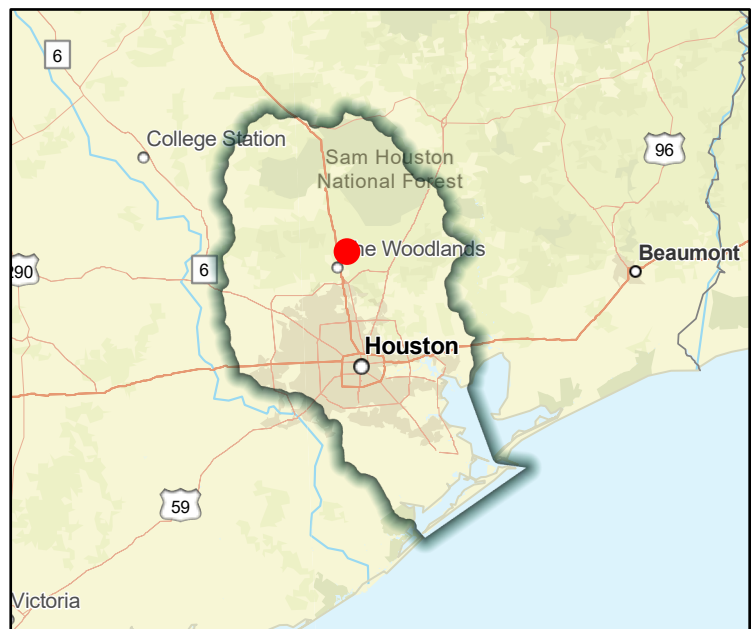
## Estimated Cost and Funding Availability

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 **Unincorporated Areas of Bacliff and San Leon Roadside Ditches & Driveway Culverts Improvements**

ID# **061000436**

Sponsor (name of entity, not person) **Galveston (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 unfunded CDBG-MIT project consists of various areas of roadside ditch and driveway culvert improvements in Bacliff and San Leon.**

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

County **Galveston,Chambers** Watershed HUC# (if known) **120402040200**

Drainage area (Square miles, est.) **7** Goal(s) **06000001,06000011,06000012,06000015**

## 100-Year Flood Risk Summary

Population at risk **5,906** # of structures **3,337** Critical facilities **5**

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

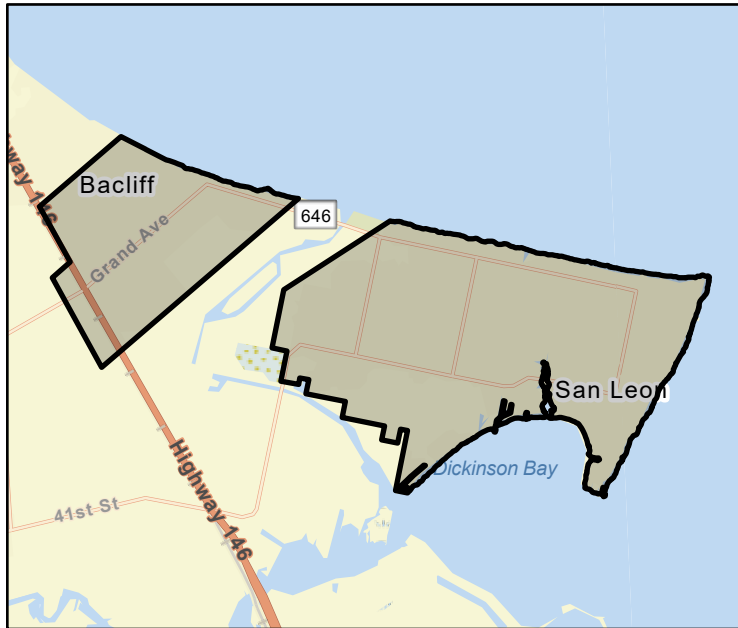
Farm/Ranch land impacted (acres) **49** Roadway(s) impacted (length) **50**

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

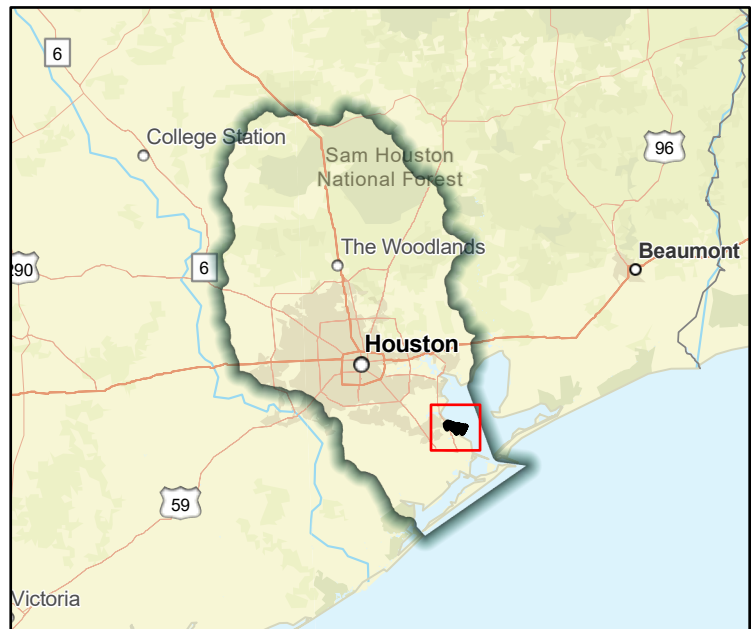
## Estimated Cost and Funding Availability

Total Cost **\$696,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **CDBG-MIT**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Update City of Friendswood Storm Surge Maps to Reflect the NWS Predictions

ID# 061000089

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

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Watershed Planning

Study description Study to update city storm surge maps based upon the NWS predicted storm surge and projected track for landfall. The new maps may more accurately display water depth in areas within the city.

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) 06000001,06000010,06000015

## 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

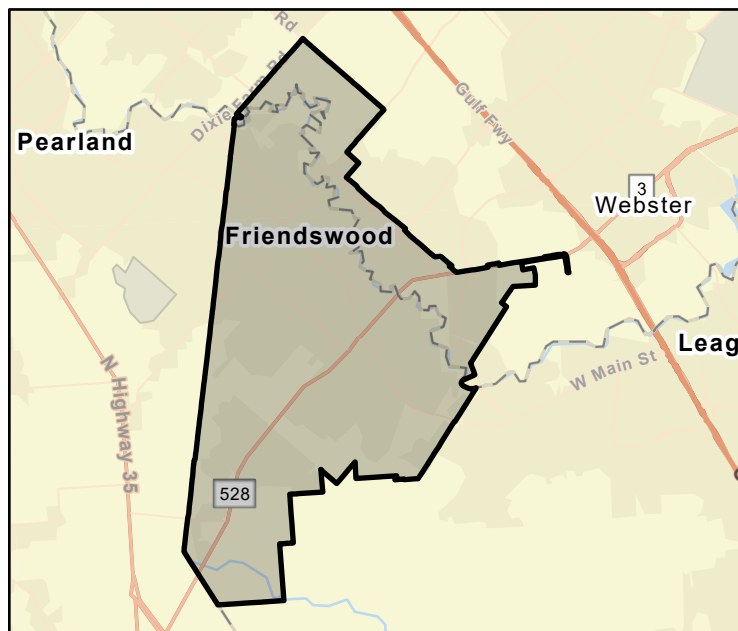
Farm/Ranch land impacted (acres) 18 Roadway(s) impacted (length) 38

Number of low water crossings 5 Historical road closures 5

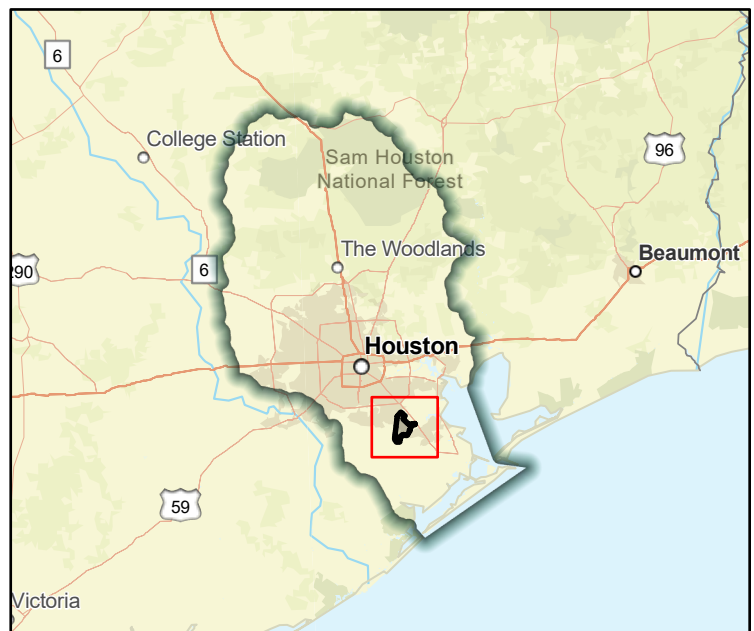
## Estimated Cost and Funding Availability

Total Cost \$200,000 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 **Update Liberty County FIRMs to Include Bench Marks**

ID# **061000173**

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

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

## Study Details

Study type **Watershed Planning**

Study description **Add bench marks to updated Flood Insurance Rate Maps.**

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) **06000001,06000010,06000015**

## 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**

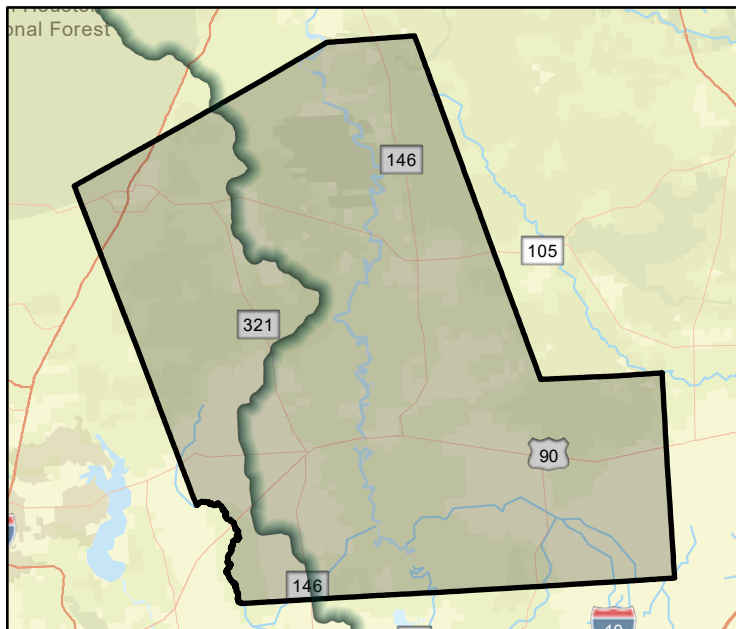
## Estimated Cost and Funding Availability

Total Cost **\$5,000,000**

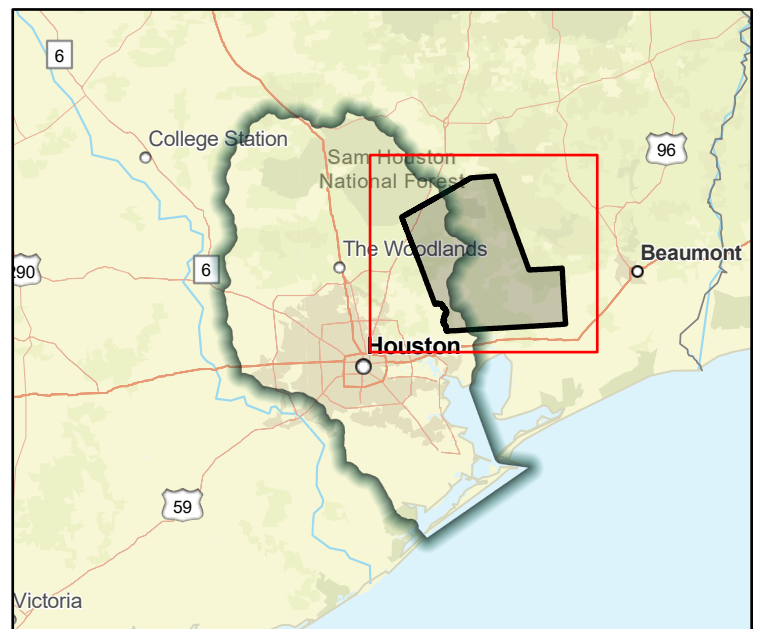
Amount of Available Funding **-**

Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Update Liberty County Floodplain Maps

ID# 061000125

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

RFPG recommend? -

Reason for Recommendation -

## Study Details

Study type Watershed Planning

Study description Study by participating jurisdictions to update floodway maps throughout the county, including Atlas 14 rainfalls.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Liberty

Watershed HUC# (if known) -

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

Goal(s) 06000001,06000010,06000015

## 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

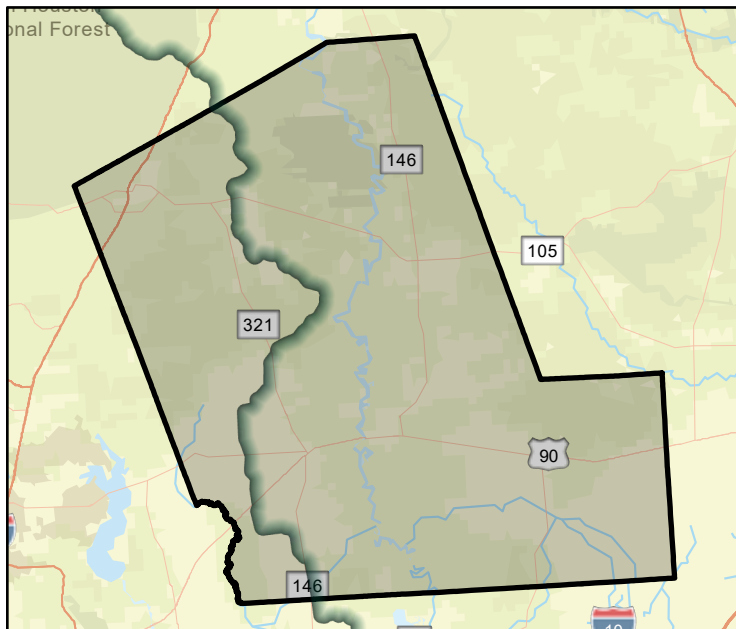
## Estimated Cost and Funding Availability

Total Cost \$5,000,000

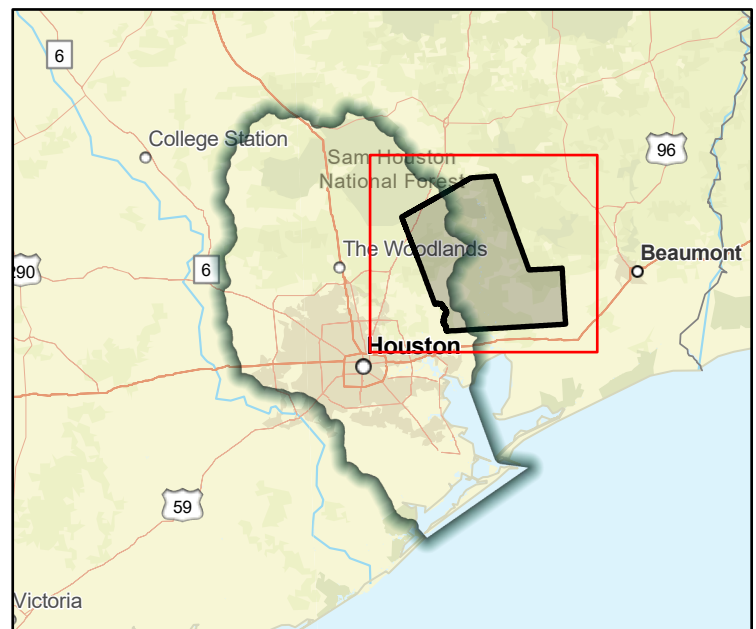
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Upper Greens Bayou Watershed Study

ID# 061000185

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

RFPG recommend? -

Reason for Recommendation -

## Study Details

Study type Watershed Planning

Study description Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401010502,120401010501,120401020106,120401020107,120401040

Drainage area (Square miles, est.) 201

Goal(s) 06000001,06000010,06000015

## 100-Year Flood Risk Summary

Population at risk 155,940

# of structures 24,236

Critical facilities 418

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 161

Roadway(s) impacted (length) 320

Number of low water crossings 17

Historical road closures

17

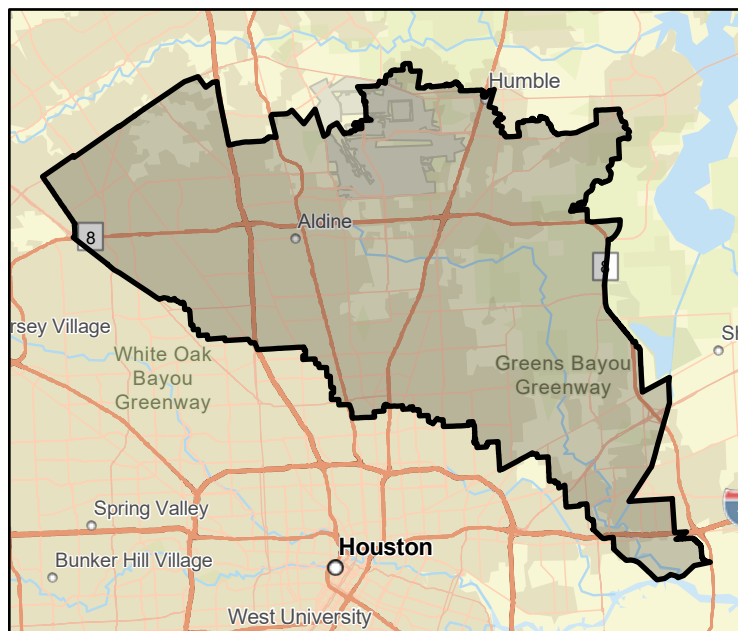
## Estimated Cost and Funding Availability

Total Cost \$1,100,000

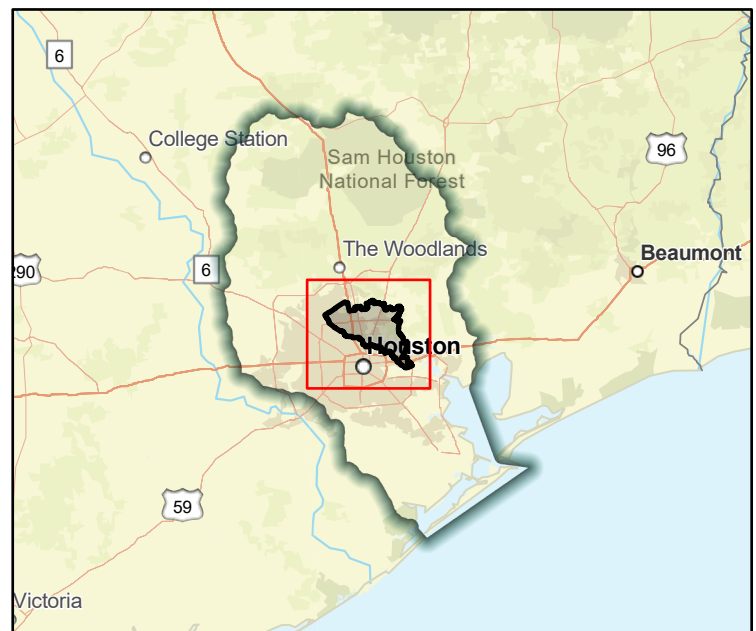
Amount of Available Funding -

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 Valley - Stewarts Creek Watershed

ID# 061000455

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) 120401010207,120401010403,120401010401,120401010402,12040101010

Drainage area (Square miles, est.) 20

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

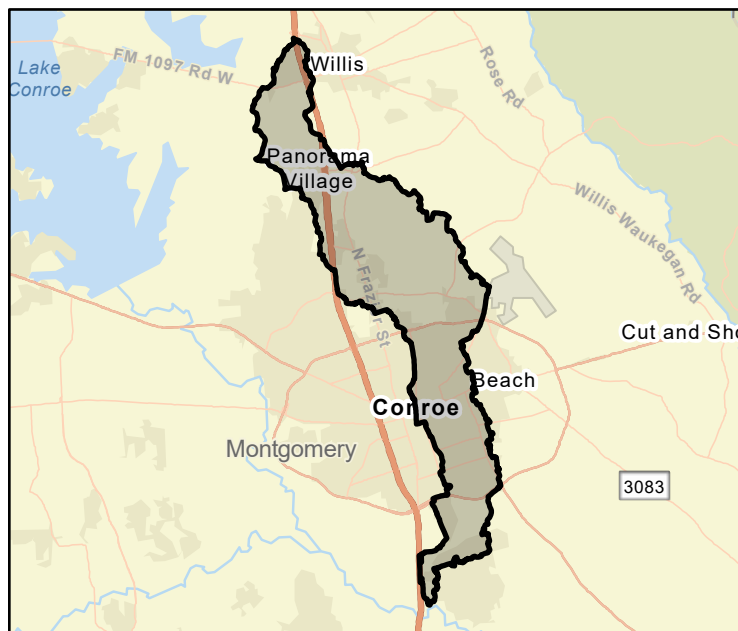
## Estimated Cost and Funding Availability

Total Cost \$30,000

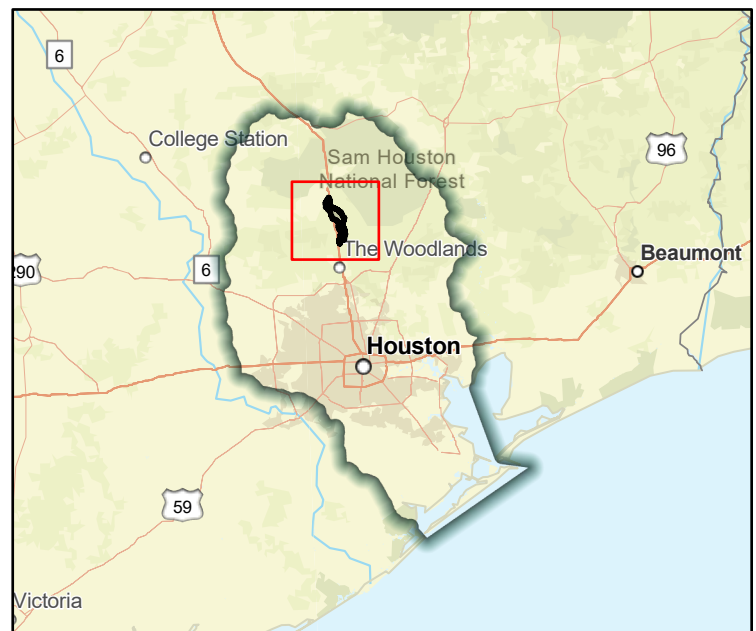
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Walker Flood Mapping Updates

ID# 061000309

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

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

Drainage area (Square miles, est.) 798

Goal(s) 06000001,06000010,06000015

## 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

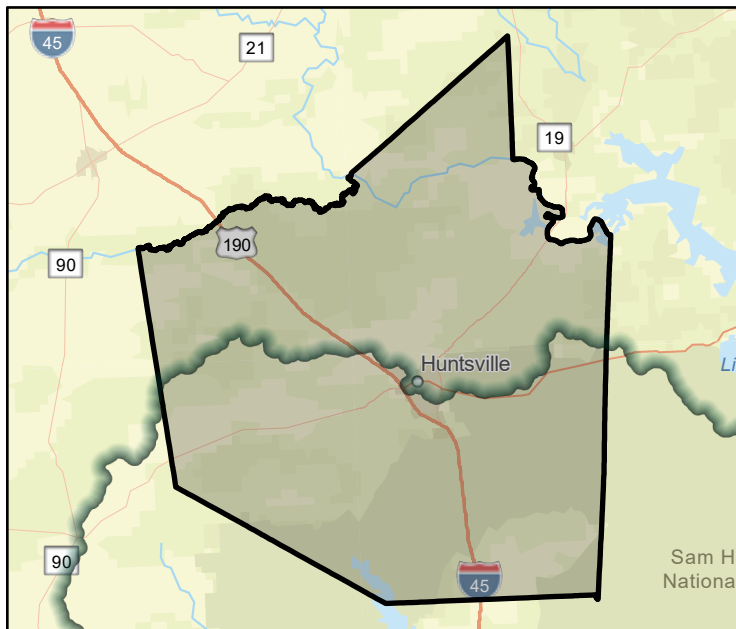
## Estimated Cost and Funding Availability

Total Cost \$3,500,000

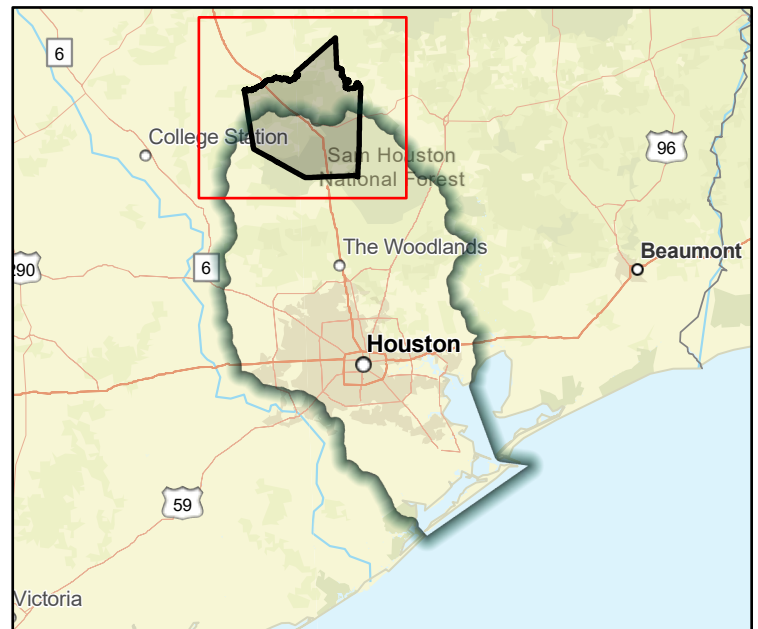
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Waller County Flood Damage Prevention Planning**

ID# **061000129**

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

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

## Study Details

Study type **Watershed Planning**

Study description **Establish watershed-based planning and studies to address flood hazards with neighboring and constituent communities.**

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

County **Waller** Watershed HUC# (if known) **120401020102,120401020103,120401020204,120401020101,120401020**

Drainage area (Square miles, est.) **516** Goal(s) **06000001,06000010,06000015**

## 100-Year Flood Risk Summary

Population at risk **2,410** # of structures **1,067** Critical facilities **6**

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

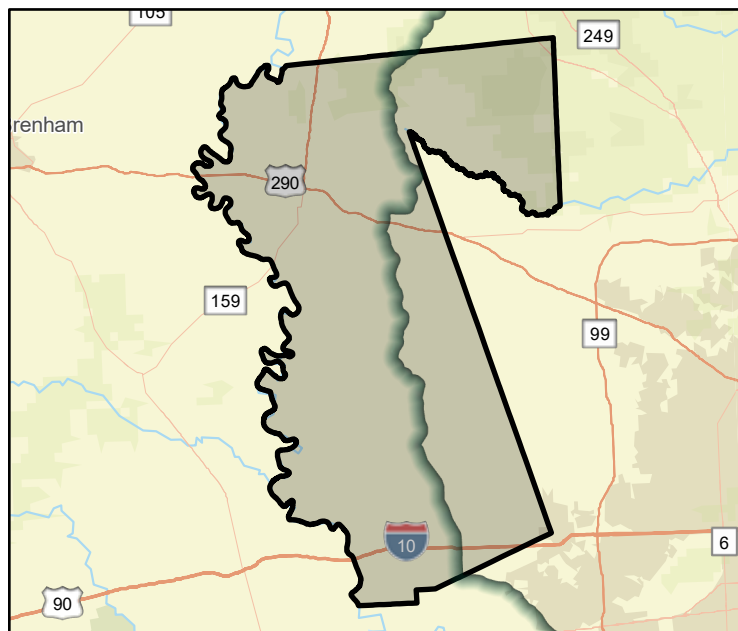
Farm/Ranch land impacted (acres) **1,357** Roadway(s) impacted (length) **41**

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

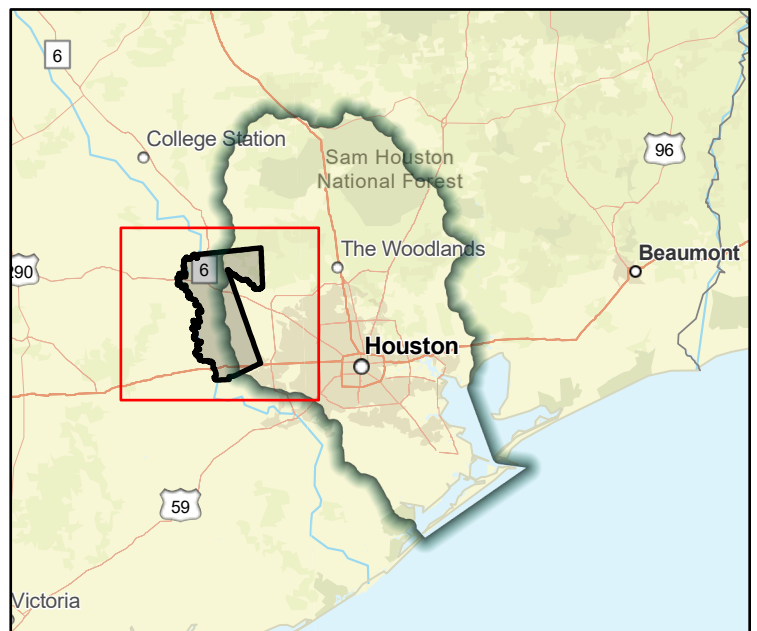
## Estimated Cost and Funding Availability

Total Cost **\$1,160,000** 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 **Waller Flood Mapping Updates**

ID# **061000310**

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

Watershed HUC# (if known) **120401020102,120401020103,120401020204,120401020101,120401020**

Drainage area (Square miles, est.) **516**

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

## 100-Year Flood Risk Summary

Population at risk **2,410**

# of structures **1,067**

Critical facilities **6**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **1,357**

Roadway(s) impacted (length) **41**

Number of low water crossings **19**

Historical road closures **19**

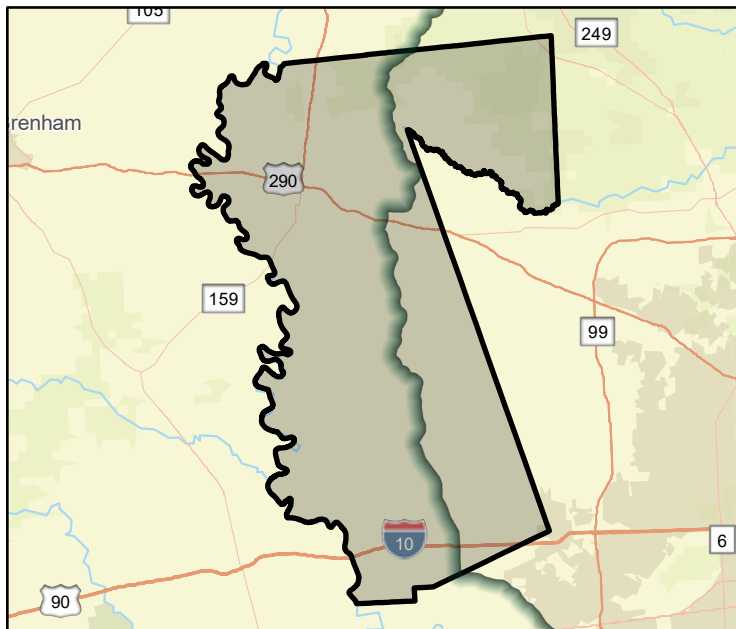
## Estimated Cost and Funding Availability

Total Cost **\$2,300,000**

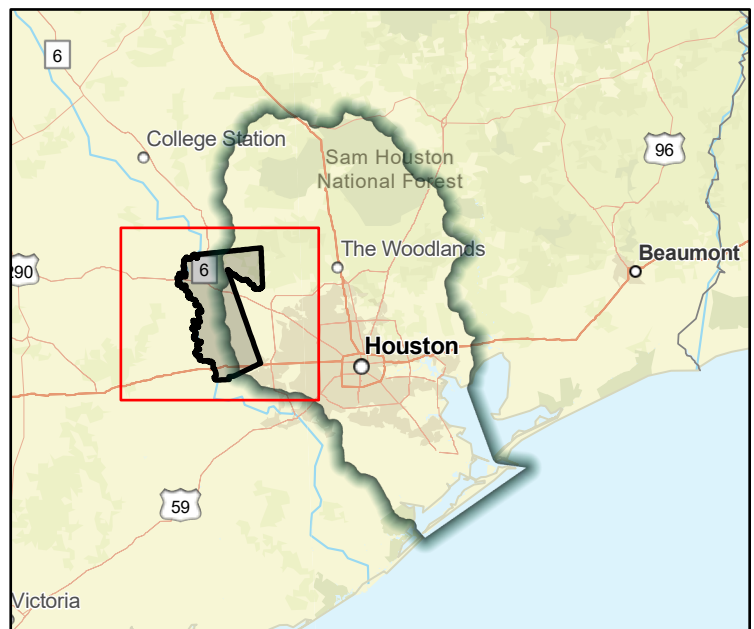
Amount of Available Funding **-**

Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Warren Lake and Dam Retrofit**

ID# **061000320**

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

RFPG recommend? **-**

Reason for Recommendation **-**

## Study Details

Study type **Project Planning**

Study description **Further study of Retrofit dam to improve detention of flood & storm water runoff, new 137.3 ac wetlands complex added of storage capacity & conversion of fields to tallgrass prairies to add approximately 856 ac-ft of total storage during rainfall events.**

New Hydrologic or Hydraulic model? **-**

Emergency Need? **-**

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

County **Harris**

Watershed HUC# (if known) **120401020103**

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

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) **183**

Roadway(s) impacted (length) **-**

Number of low water crossings **-**

Historical road closures **-**

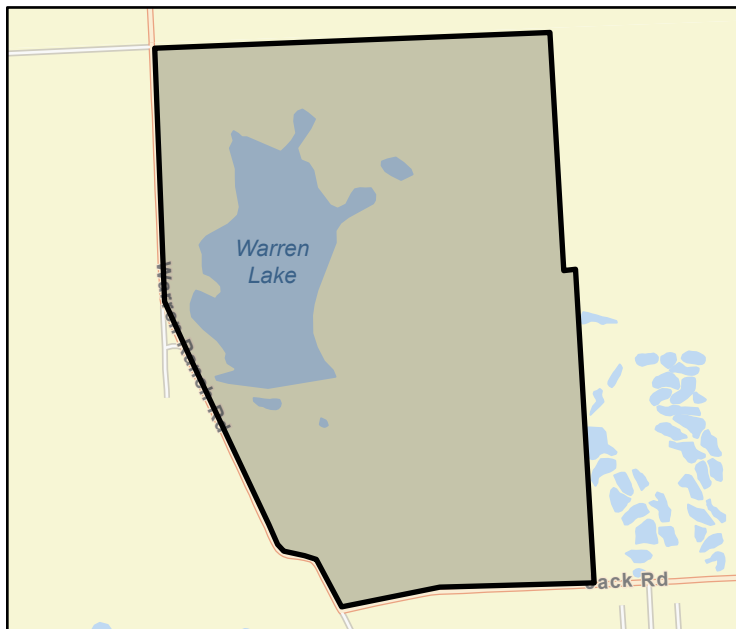
## Estimated Cost and Funding Availability

Total Cost **\$350,000**

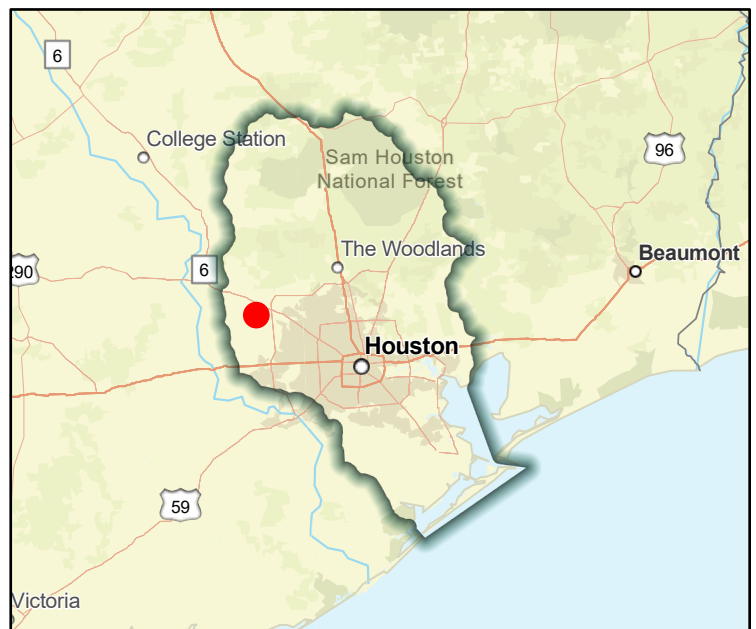
Amount of Available Funding **-**

Federal funding availability **-**

Funding source **Unknown**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

Title West Branch - Alligator Creek Watershed

ID# 061000448

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) 120401010207,120401010401

Drainage area (Square miles, est.) 6

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 531

# of structures 99

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) 2

Number of low water crossings 0

Historical road closures 0

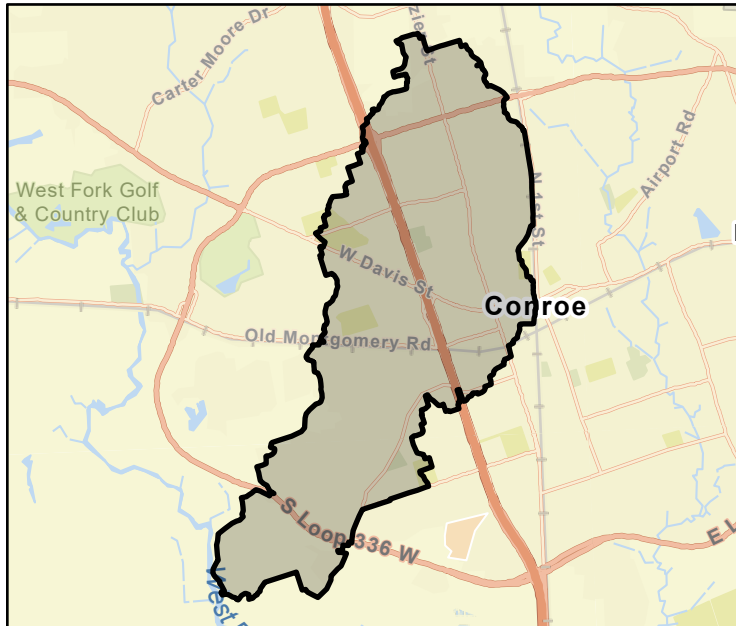
## Estimated Cost and Funding Availability

Total Cost \$30,000

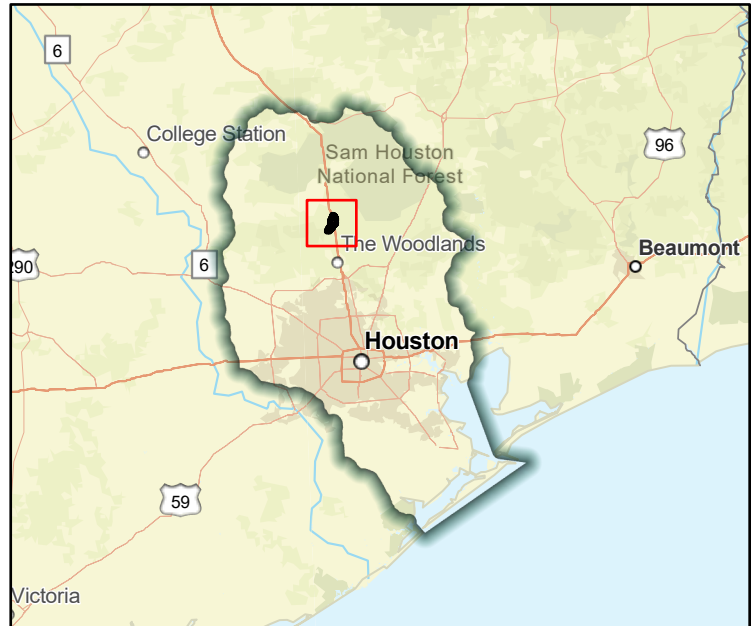
Amount of Available Funding -

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 **West Chocolate Bayou (CR 383 Ditch)**

ID# **061000050**

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,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 **0** # of structures **0** Critical facilities **0**

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

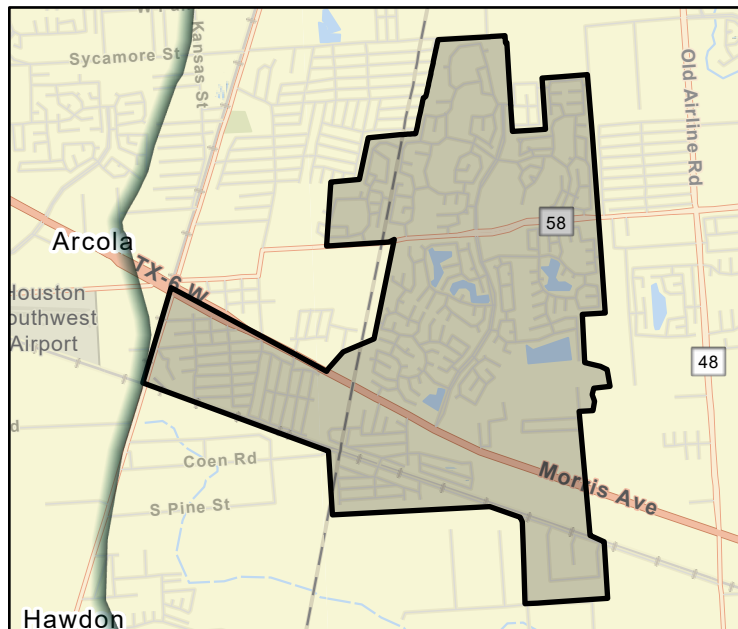
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

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

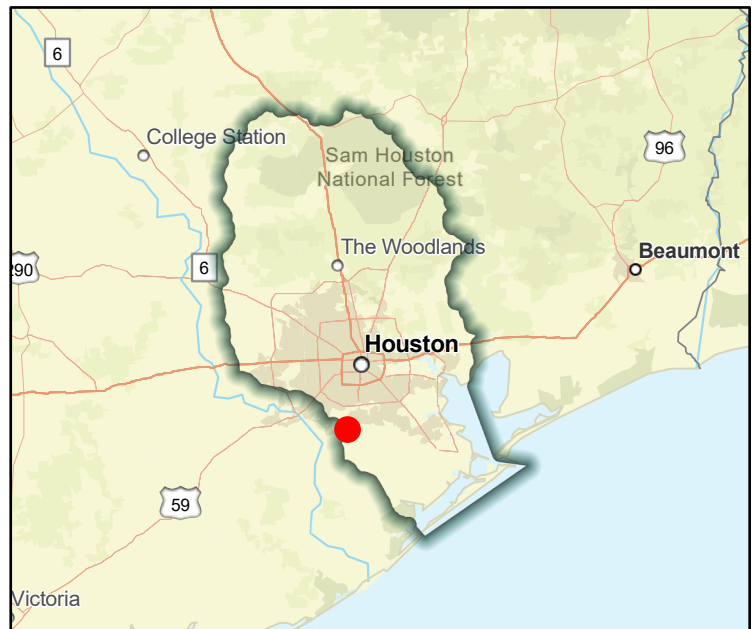
## Estimated Cost and Funding Availability

Total Cost **\$252,400** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

Title West Fork Chocolate (Cold River Ranch Ditch)

ID# 061000051

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

RFPG recommend? - Reason for Recommendation -



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

## Study Details

Study type Project Planning

Study description Further study of proposed channel modifications to Cold River Ranch Ditch included in the City of Pearland master drainage plan to include Atlas 14 rainfall.

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.) 2

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 56

# of structures 60

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) 1

Number of low water crossings -

Historical road closures -

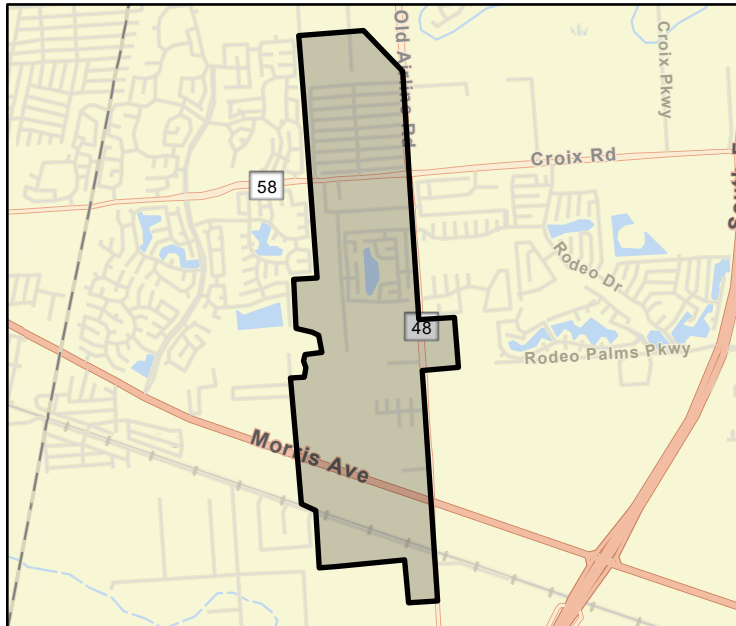
## Estimated Cost and Funding Availability

Total Cost \$200,000

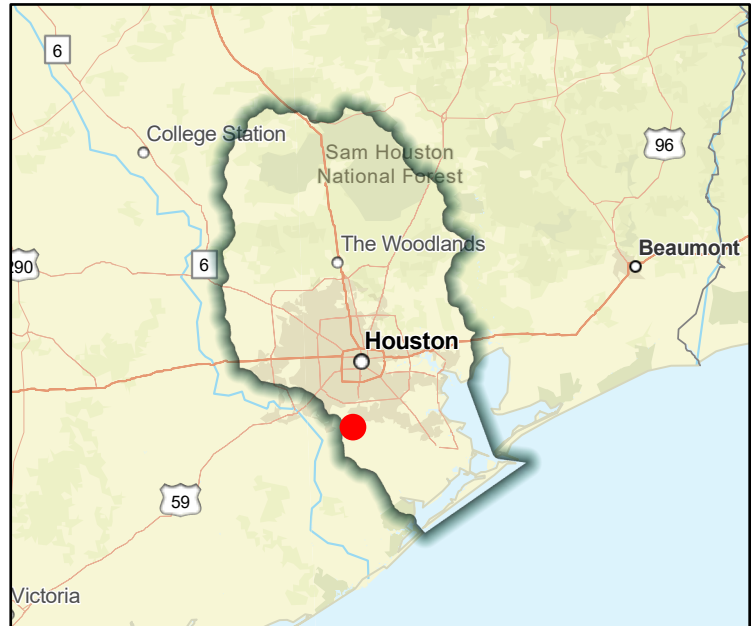
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **West Fork Chocolate Bayou**

ID# **061000052**

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,Fort Bend** Watershed HUC# (if known) **120402040400**

Drainage area (Square miles, est.) **14** Goal(s) **06000001,06000011,06000012,06000015**

## 100-Year Flood Risk Summary

Population at risk **442** # of structures **295** Critical facilities **0**

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

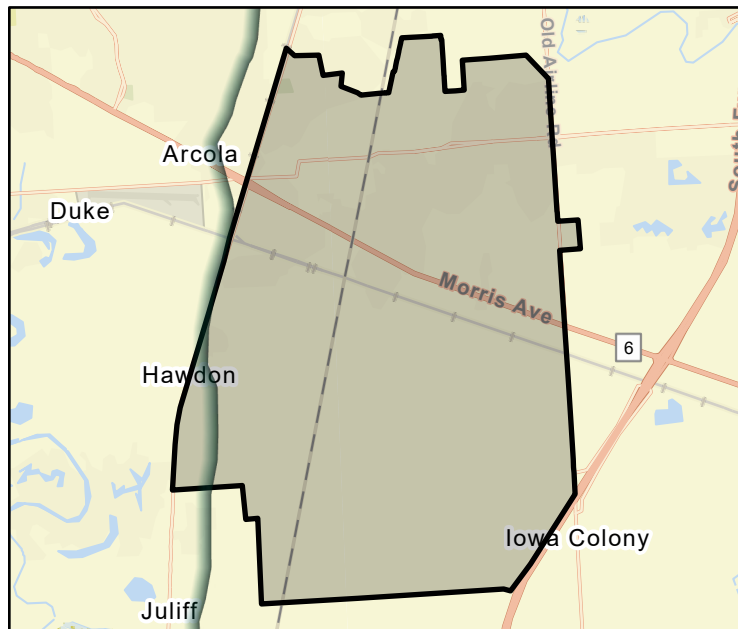
Farm/Ranch land impacted (acres) **157** Roadway(s) impacted (length) **6**

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

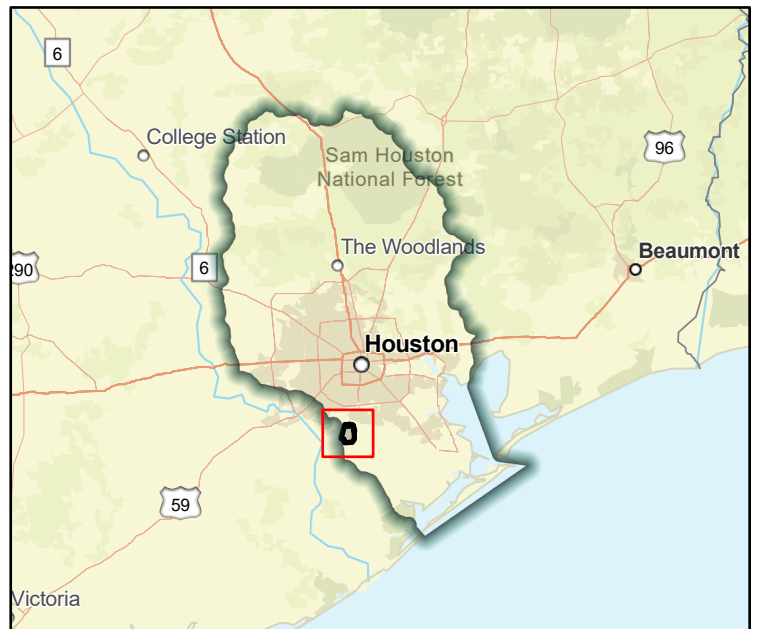
## Estimated Cost and Funding Availability

Total Cost **\$2,072,000** 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 **Westador Stormwater Detention Basin**

ID# **061000356**

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. The Westador Detention Basin is a proposed detention mitigation project within the Cypress Creek Watershed and located south of Cypress Creek and east and west of K141-00-00.**

New Hydrologic or Hydraulic model? **-**

Emergency Need? **-**

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

County **Harris**

Watershed HUC# (if known) **120401020106,120401020107,120401020210,120401020212,120401020**

Drainage area (Square miles, est.) **93**

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

## 100-Year Flood Risk Summary

Population at risk **18,540**

# of structures **2,995**

Critical facilities **53**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **44**

Roadway(s) impacted (length) **60**

Number of low water crossings **4**

Historical road closures **4**

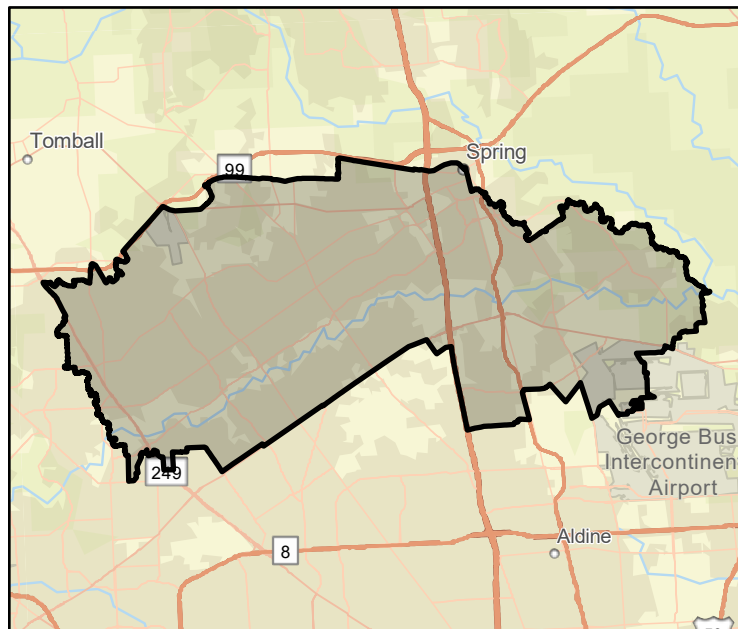
## Estimated Cost and Funding Availability

Total Cost **\$30,000**

Amount of Available Funding **-**

Federal funding availability **-**

Funding source **CDBG-MIT**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title White Oak - SPT and E116 (E116-00-00) Improvements : PA01 thru PA-05

ID# 061000389

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 these projects to become a FMP. The "E116-00-00 Flood Reduction Feasibility Study" was completed in March 2022 and provides a decrease riverine and urban flood risk in the area.

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

County Harris Watershed HUC# (if known) 120401040302,120401040304

Drainage area (Square miles, est.) 7 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 4,852 # of structures 1,174 Critical facilities 7

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

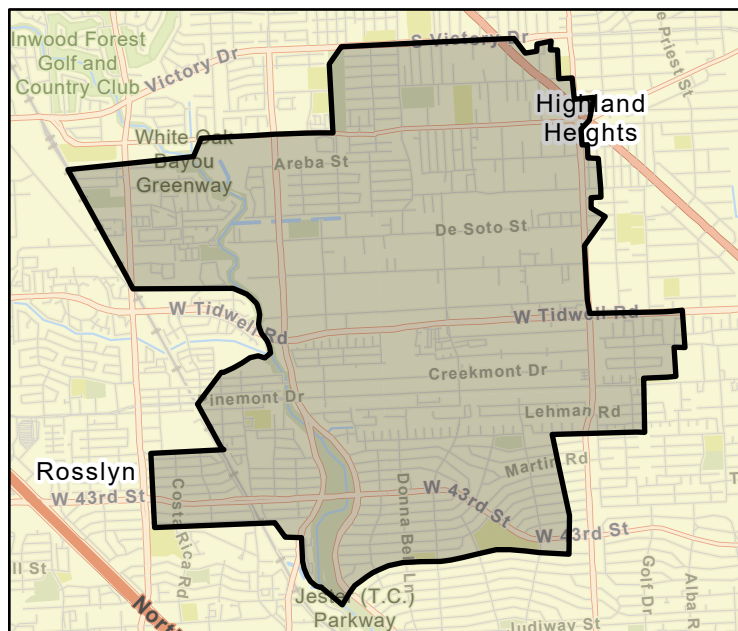
Farm/Ranch land impacted (acres) 5 Roadway(s) impacted (length) 15

Number of low water crossings 0 Historical road closures 0

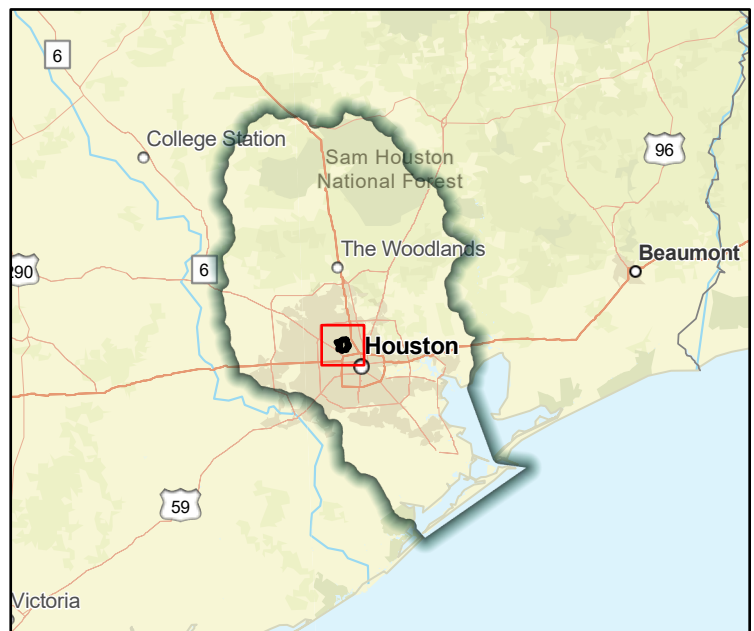
## Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin

ID# 061000344

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 BCA to become FMP. This stormwater detention basin compliments the federal project on White Oak Bayou which will reduce the risk of flooding for 1,800 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) 120401020104,120401020106,120401040601,120401040302,120401040

Drainage area (Square miles, est.) 79 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 90,865 # of structures 11,098 Critical facilities 90

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

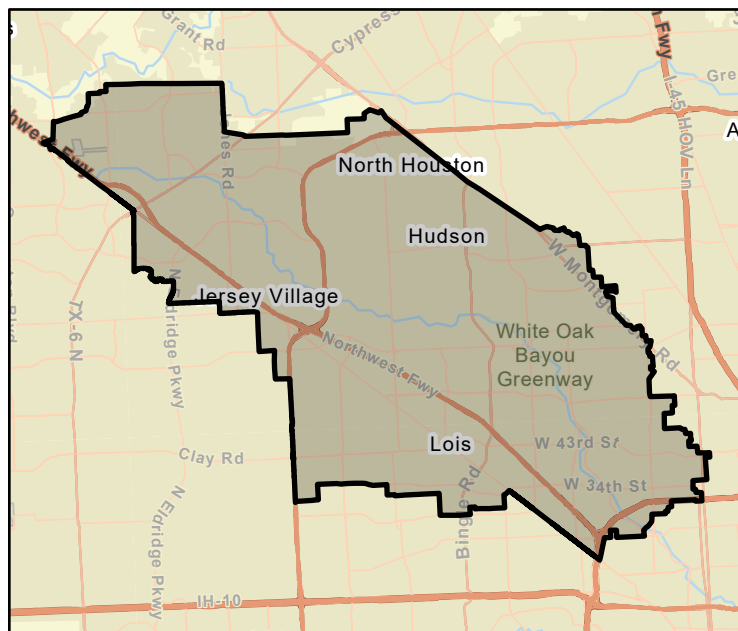
Farm/Ranch land impacted (acres) 24 Roadway(s) impacted (length) 164

Number of low water crossings 0 Historical road closures 0

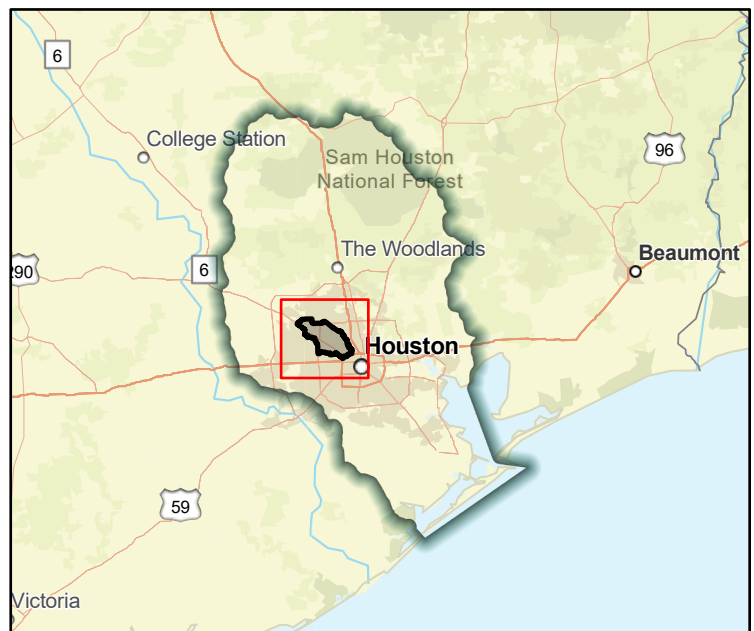
## Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **White Oak Bayou - E127-00-00 Fork**

ID# **061000192**

Sponsor (name of entity, not person) **Jersey Village (Municipality)**

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

## Study Details

Study type **Project Planning**

Study description **Further study of channel improvements from partnership project to restore channel conveyance including Atlas 14 rainfalls.**

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

County **Harris** Watershed HUC# (if known) **120401040302,120401040301**

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

## 100-Year Flood Risk Summary

Population at risk **1,285** # of structures **395** Critical facilities **0**

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

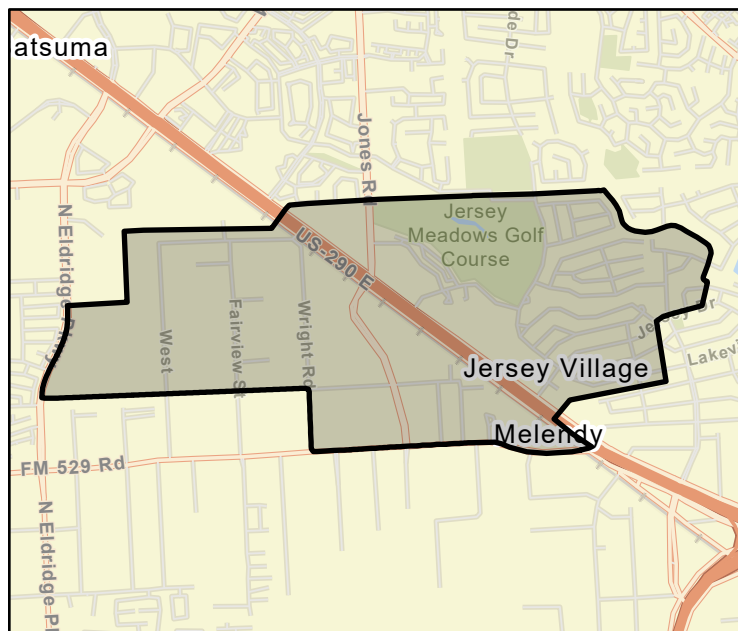
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **6**

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

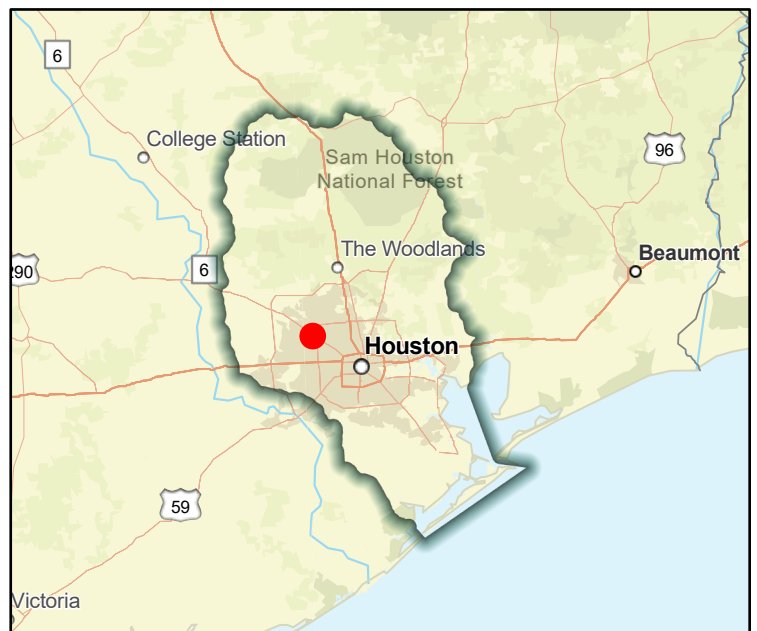
## Estimated Cost and Funding Availability

Total Cost **\$150,000** 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 White Oak Bayou - General Drainage Improvements along E105-00-00

ID# 061000196

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

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study of channel improvements from partnership project to restore channel conveyance including Atlas 14 rainfalls

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

County Harris Watershed HUC# (if known) 120401040304

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

## 100-Year Flood Risk Summary

Population at risk 431 # of structures 160 Critical facilities 0

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

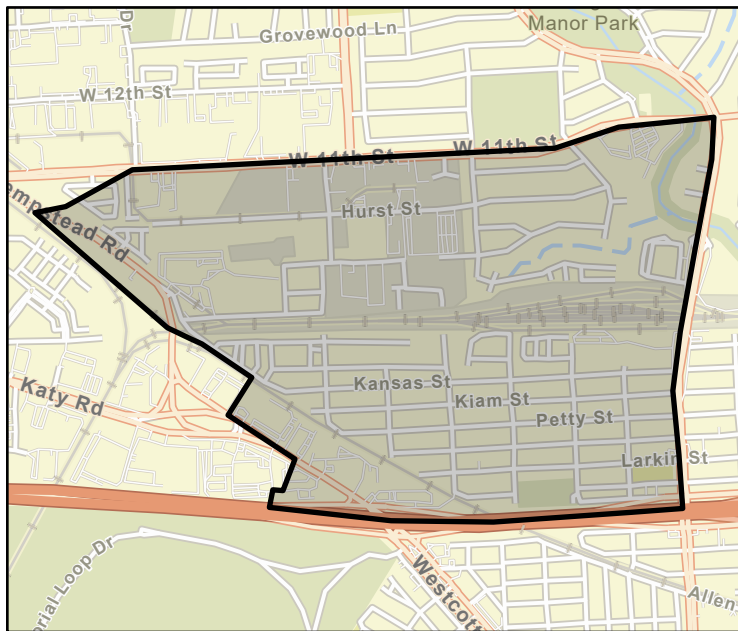
Farm/Ranch land impacted (acres) 1 Roadway(s) impacted (length) 3

Number of low water crossings 0 Historical road closures 0

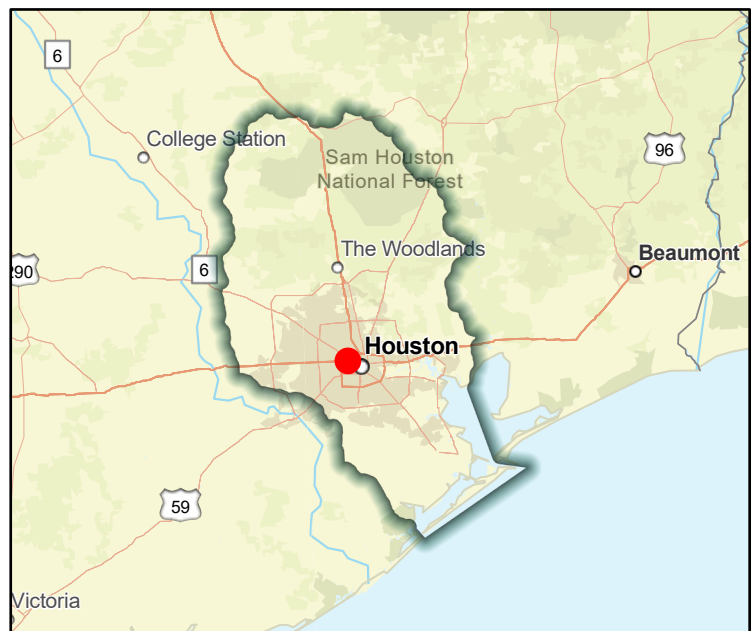
## Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title White Oak Bayou - Turkey Gully E106-00-00

ID# 061000194

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. Further study of channel improvements from partnership project to restore channel conveyance including Atlas 14 rainfalls

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

County Harris Watershed HUC# (if known) 120401040304

Drainage area (Square miles, est.) 7 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 12,780 # of structures 2,540 Critical facilities 6

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

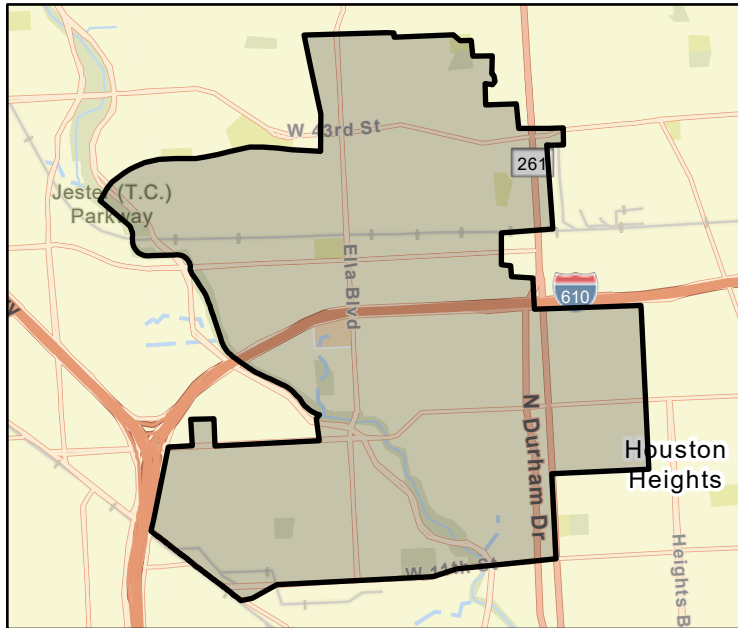
Farm/Ranch land impacted (acres) 2 Roadway(s) impacted (length) 27

Number of low water crossings 0 Historical road closures 0

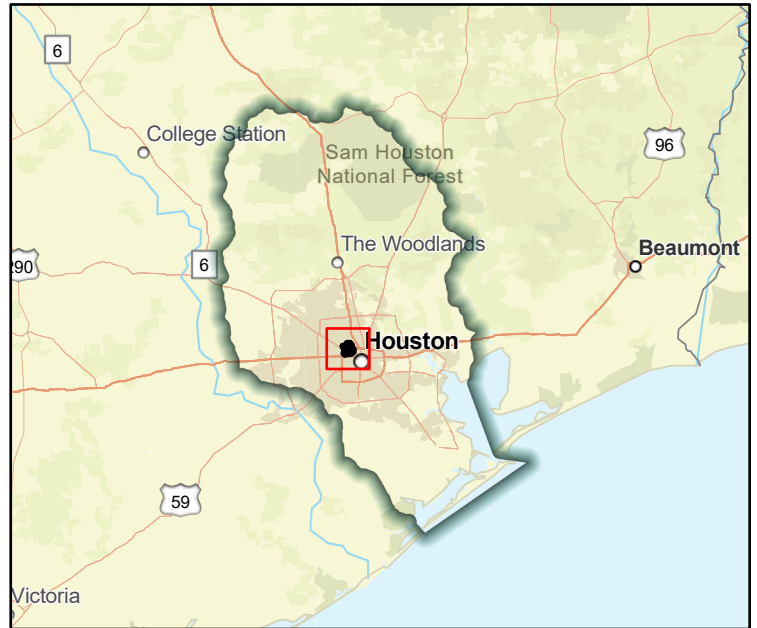
## Estimated Cost and Funding Availability

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 **White Oak Bayou Watershed Study**

ID# **061000184**

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

RFPG recommend? **-**

Reason for Recommendation **-**

## Study Details

Study type **Project Planning**

Study description **Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project**

New Hydrologic or Hydraulic model? **-**

Emergency Need? **-**

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

County **Harris**

Watershed HUC# (if known) **120401020104,120401020106,120401040601,120401040305,120401040**

Drainage area (Square miles, est.) **111**

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

## 100-Year Flood Risk Summary

Population at risk **127,789**

# of structures **17,103**

Critical facilities **149**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **28**

Roadway(s) impacted (length) **281**

Number of low water crossings **4**

Historical road closures **4**

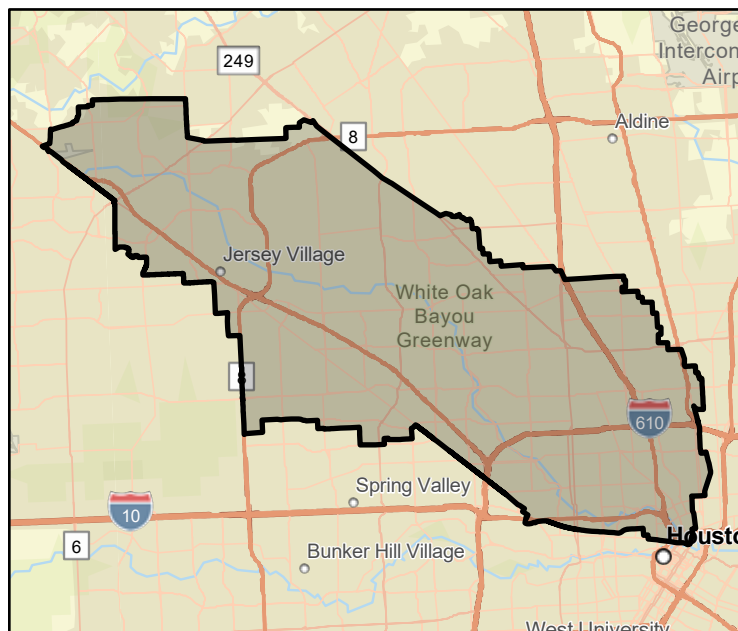
## Estimated Cost and Funding Availability

Total Cost **\$900,000**

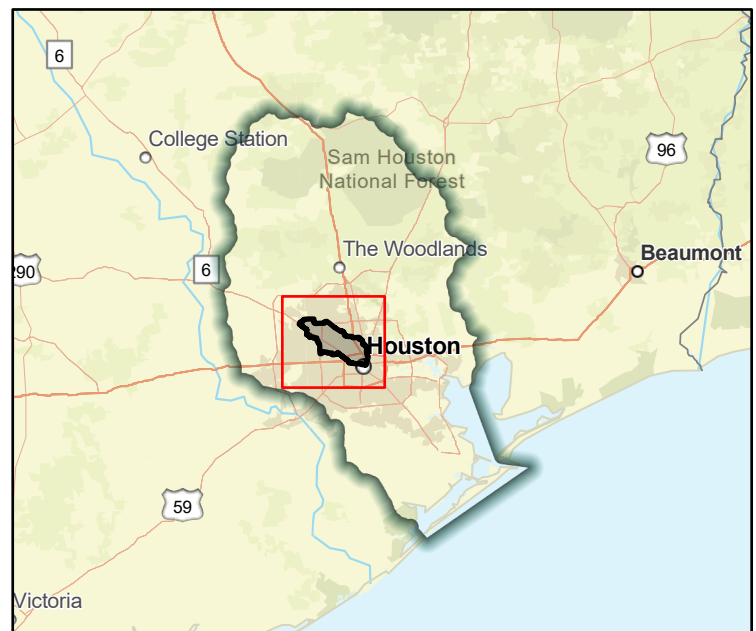
Amount of Available Funding **-**

Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Widen Drainage Systems and Culverts in City of Clear Lake Shores

ID# 061000122

Sponsor (name of entity, not person) Clear Lake Shores (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 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

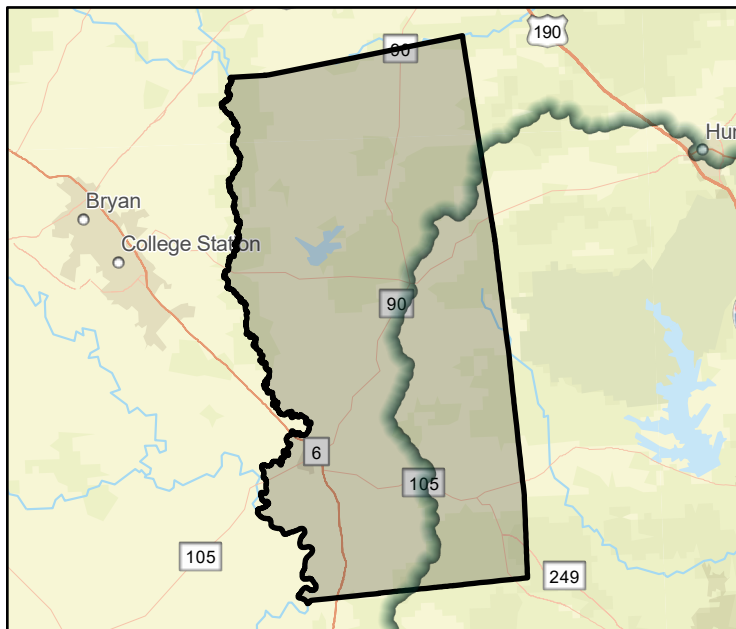
## Estimated Cost and Funding Availability

Total Cost \$660,000

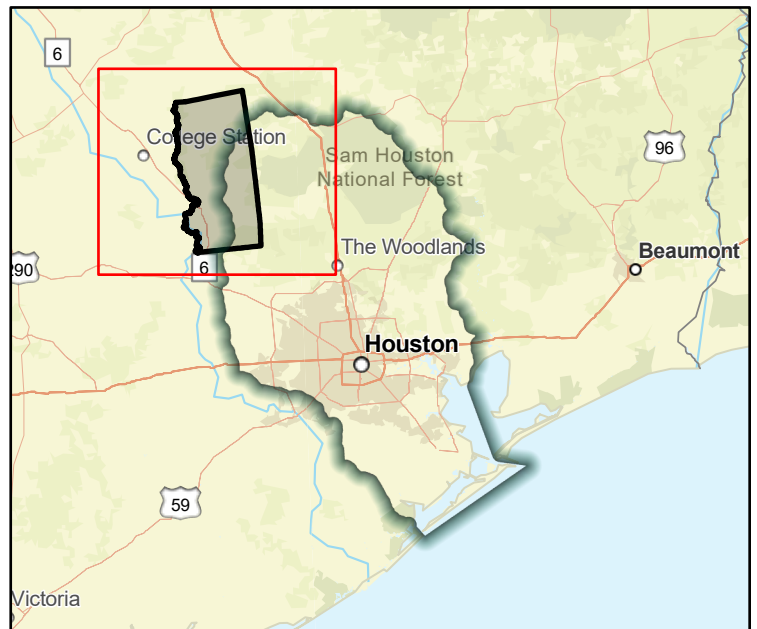
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

Title **Widen Drainage Systems and Culverts in City of Kemah**

ID# **061000121**

Sponsor (name of entity, not person) **Kemah (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,Chambers** Watershed HUC# (if known) **120402040200,120402040100**

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

## 100-Year Flood Risk Summary

Population at risk **3,492** # of structures **562** Critical facilities **7**

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

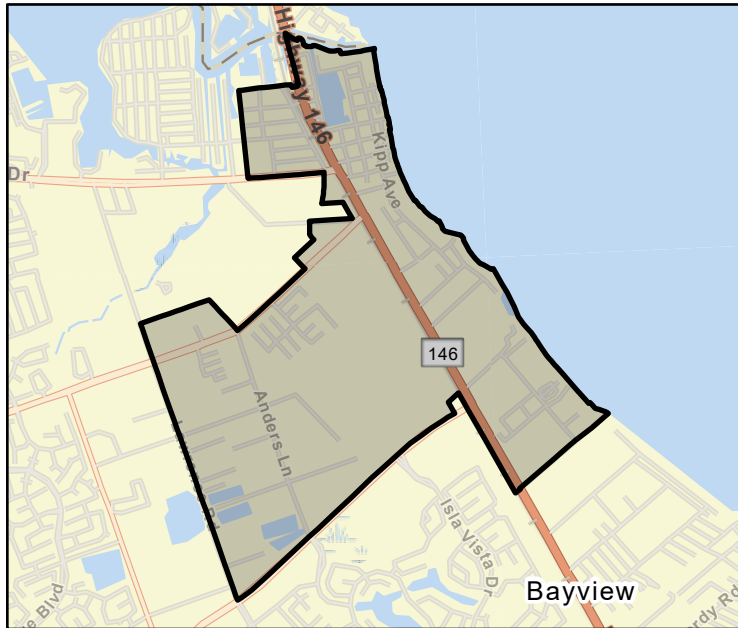
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **12**

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

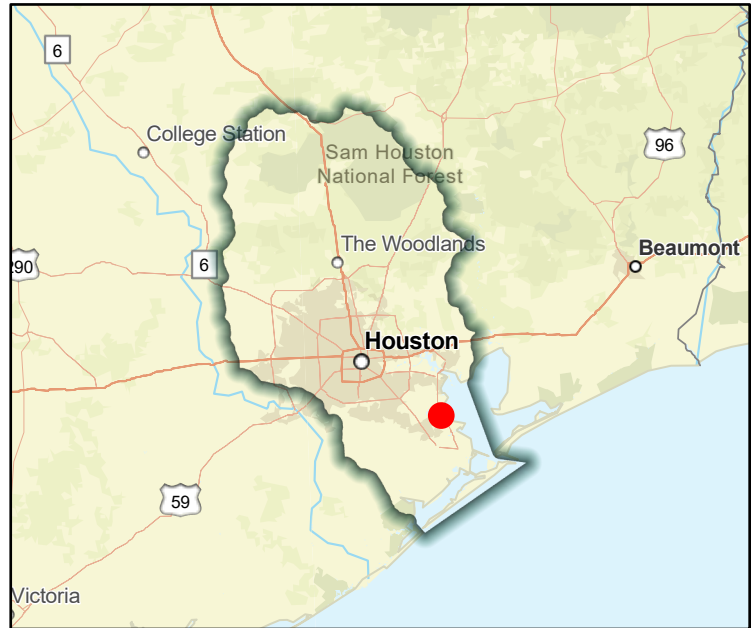
## Estimated Cost and Funding Availability

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 Williamsburg Subdivision Drainage Assessment

ID# 061000024

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

RFPG recommend? -

Reason for Recommendation -



## Study Details

Study type Project Planning

Study description Further study of a flood risk reduction project in the Williamsburg Subdivision which includes additional detail for the design of a required weir structure.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401040104

Drainage area (Square miles, est.) 13

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 8

# of structures 2

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 7

Roadway(s) impacted (length) 1

Number of low water crossings 0

Historical road closures 0

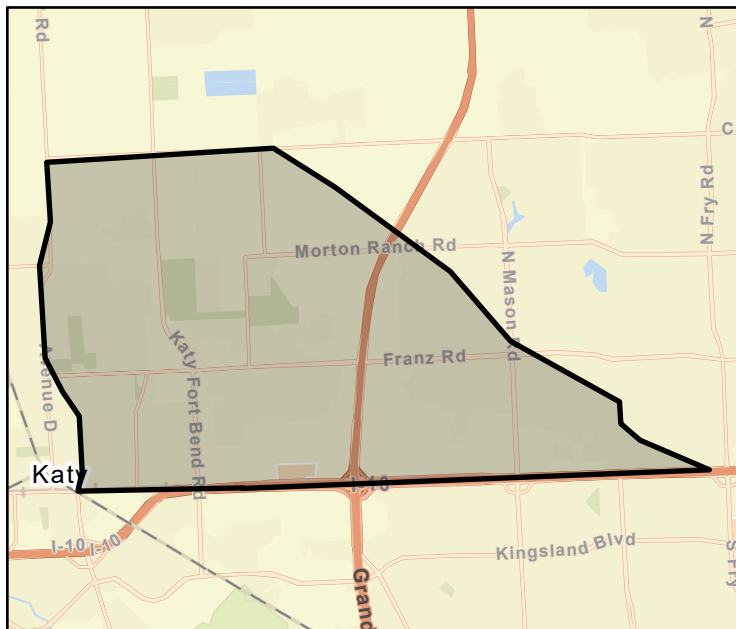
## Estimated Cost and Funding Availability

Total Cost \$1,890,000

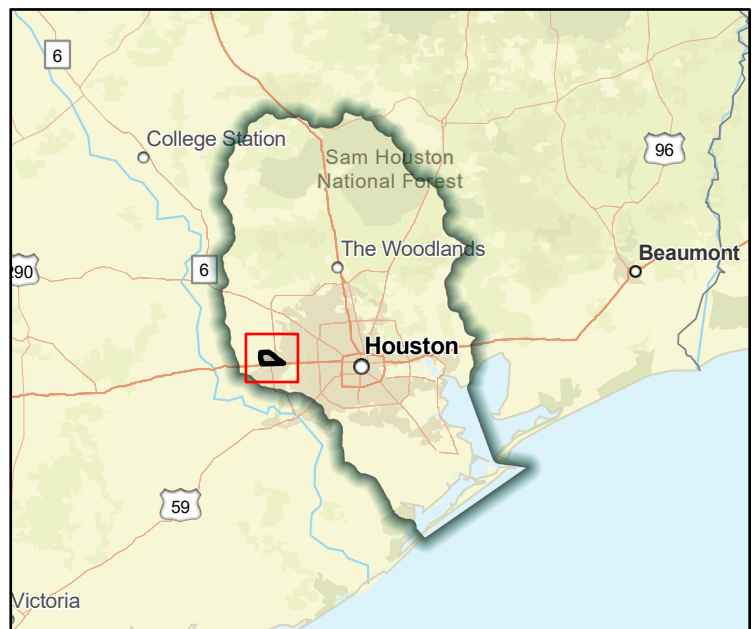
Amount of Available Funding -

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 Willow Creek - Overflow Flooding between Burlington Northern Railroad and Hufsmith-Kohrville Rd. Analysis

ID# 061000032

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 recommended as part of the Willow Creek Watershed Plan. Planning level analysis to identify flooding reasons in Northern Point subdivision south of SH99.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401020106,120401020105,120401020205,120401020210,120401020

Drainage area (Square miles, est.) 2

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 9

# of structures 10

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) 1

Number of low water crossings 1

Historical road closures 1

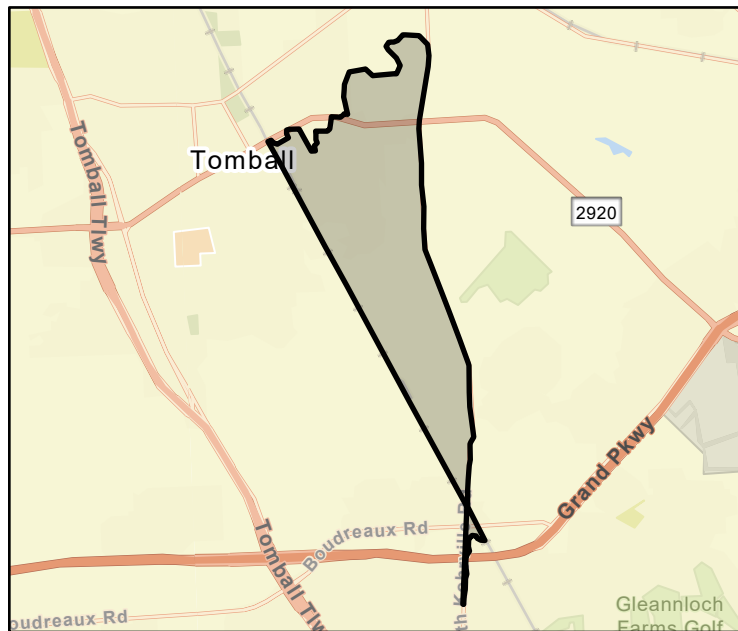
## Estimated Cost and Funding Availability

Total Cost \$800,000

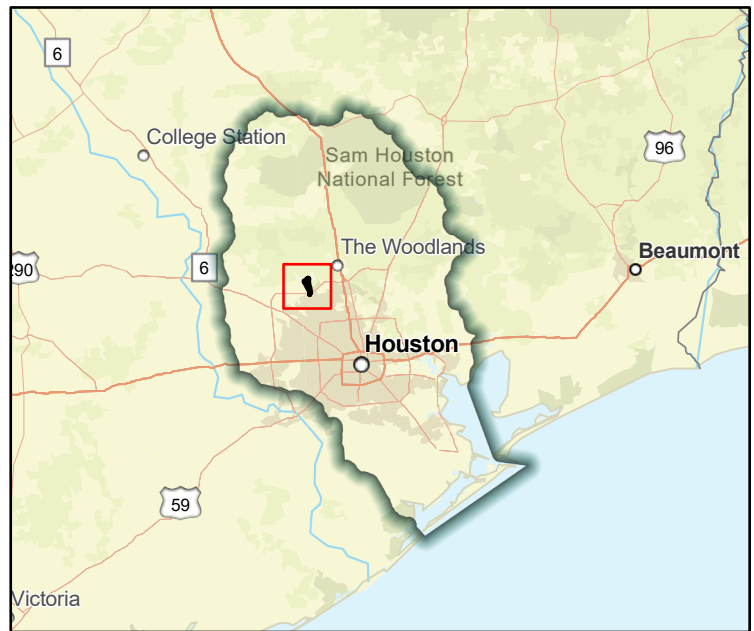
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area