

# Flood Management Evaluation (FME)



Title Brazoria County Camp Mohawk County Park Development

ID# 061000440

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

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Develop Benefit Cost Analysis in support of the purchase of approximately 160 acres of flood prone area adjacent to and surrounding Camp Mohawk County Park to be used as open space.

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

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

Drainage area (Square miles, est.) 1,482 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 65,547 # of structures 18,848 Critical facilities 248

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

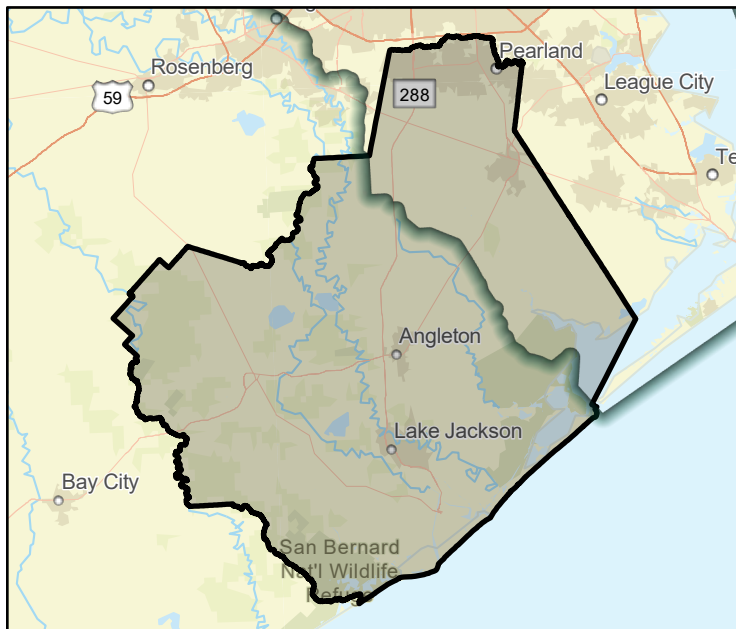
Farm/Ranch land impacted (acres) 8,584 Roadway(s) impacted (length) 328

Number of low water crossings 0 Historical road closures 0

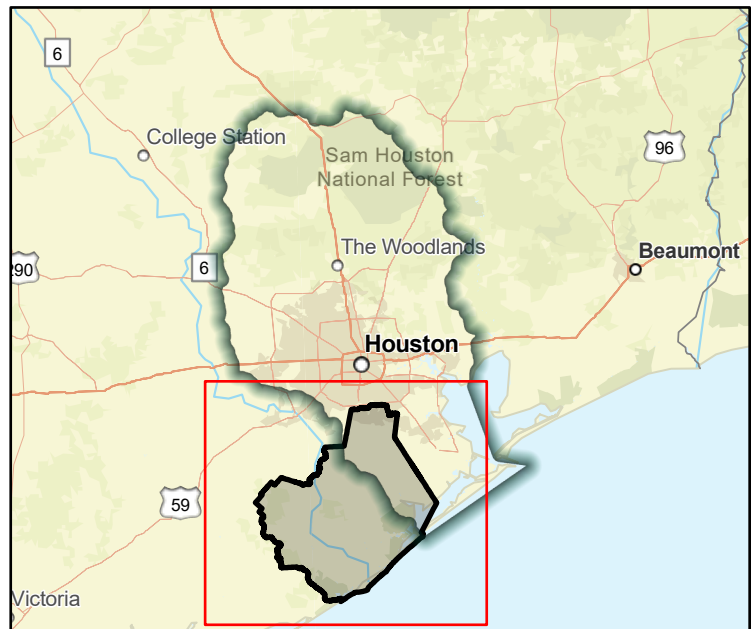
## Estimated Cost and Funding Availability

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 Brazoria County Costal River Flood Extent Analysis

ID# 061000038

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

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Watershed Planning

Study description Study to determine flood extents, in Brazoria County, of recent hurricane disasters, by analyzing the post event aerial imagery through a GIS image classification process, and compare the flood extent area to other sources, such as LIDAR.

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

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

Drainage area (Square miles, est.) 1,482 Goal(s) 06000001,06000010,06000015

## 100-Year Flood Risk Summary

Population at risk 65,547 # of structures 18,848 Critical facilities 248

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

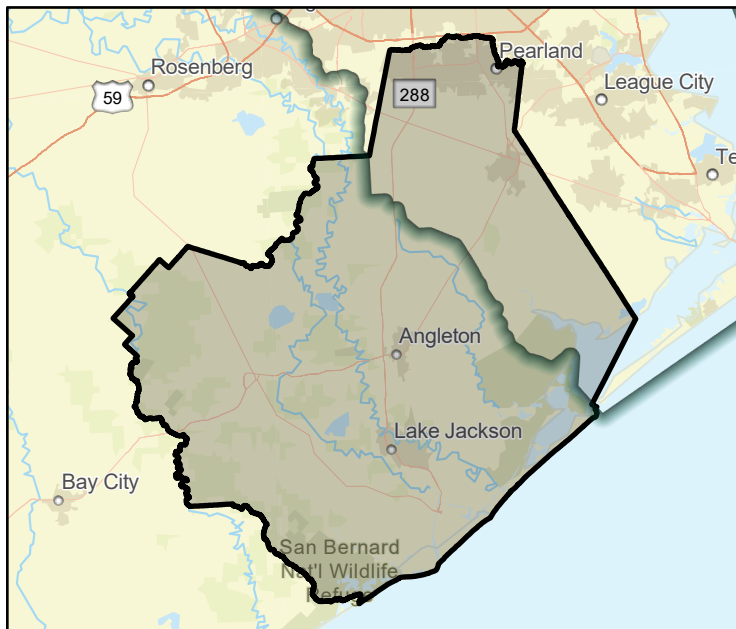
Farm/Ranch land impacted (acres) 8,584 Roadway(s) impacted (length) 328

Number of low water crossings 0 Historical road closures 0

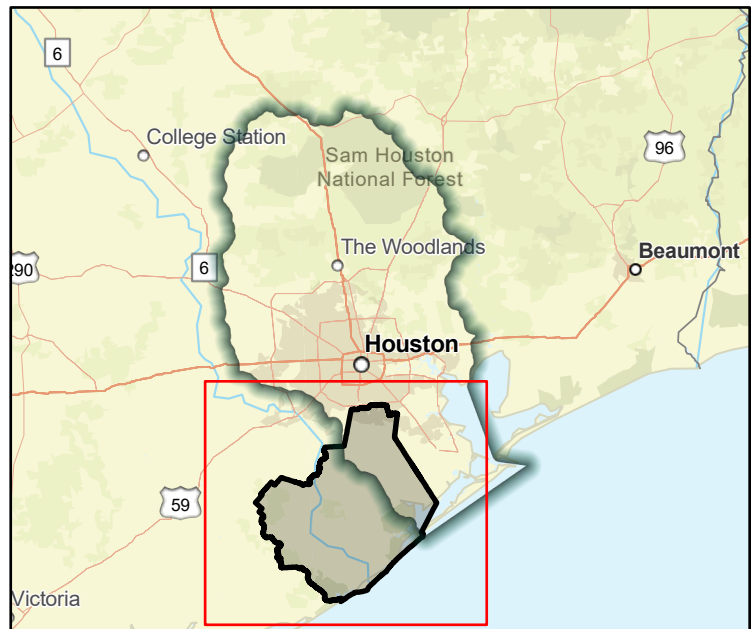
## Estimated Cost and Funding Availability

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 Brazoria County Drainage Improvements

ID# 061000046

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

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Drainage study needed and evaluated of alternatives include: Widen and reshape drainage ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.

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

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

Drainage area (Square miles, est.) 1,482 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 65,547 # of structures 18,848 Critical facilities 248

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

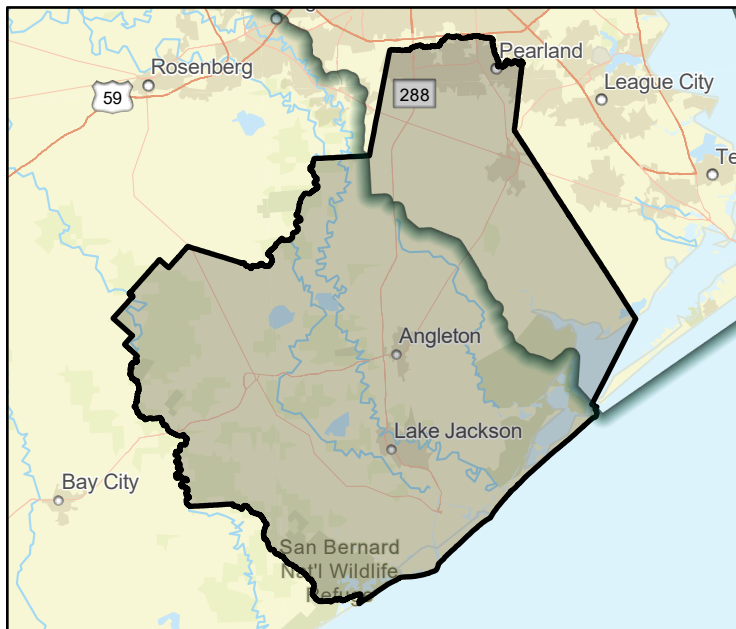
Farm/Ranch land impacted (acres) 8,584 Roadway(s) impacted (length) 328

Number of low water crossings 0 Historical road closures 0

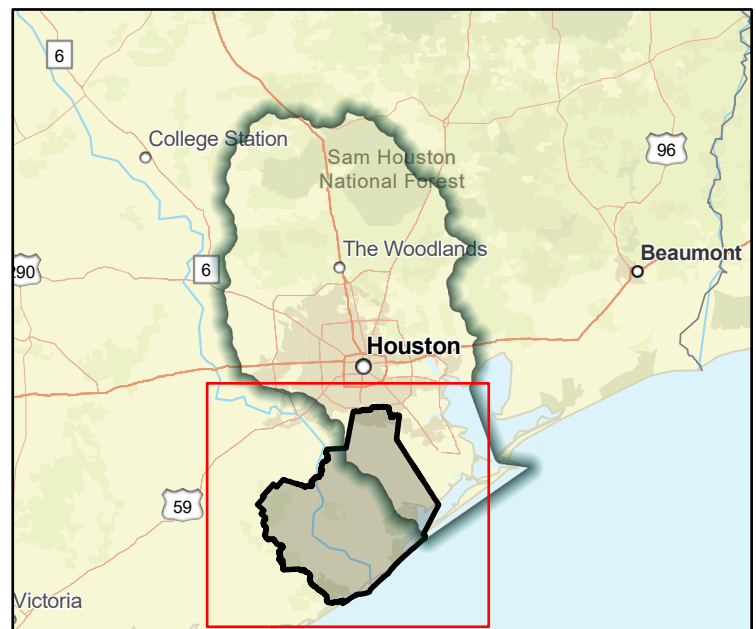
## Estimated Cost and Funding Availability

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 Brazoria County Property Protection

ID# 061000048

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

RFPG recommend? - Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study required to assess alternatives to restore drainage and mitigate flooding throughout the county.

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

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

Drainage area (Square miles, est.) 1,482 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 65,547 # of structures 18,848 Critical facilities 248

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

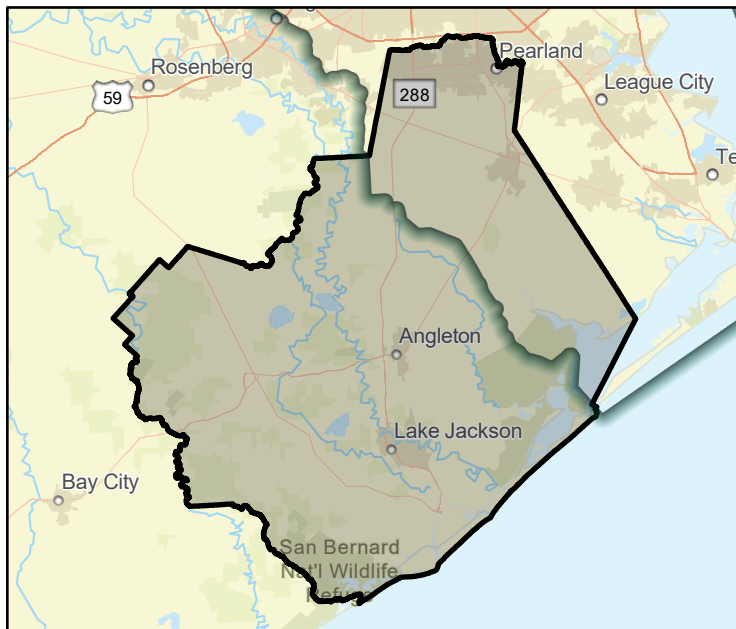
Farm/Ranch land impacted (acres) 8,584 Roadway(s) impacted (length) 328

Number of low water crossings 0 Historical road closures 0

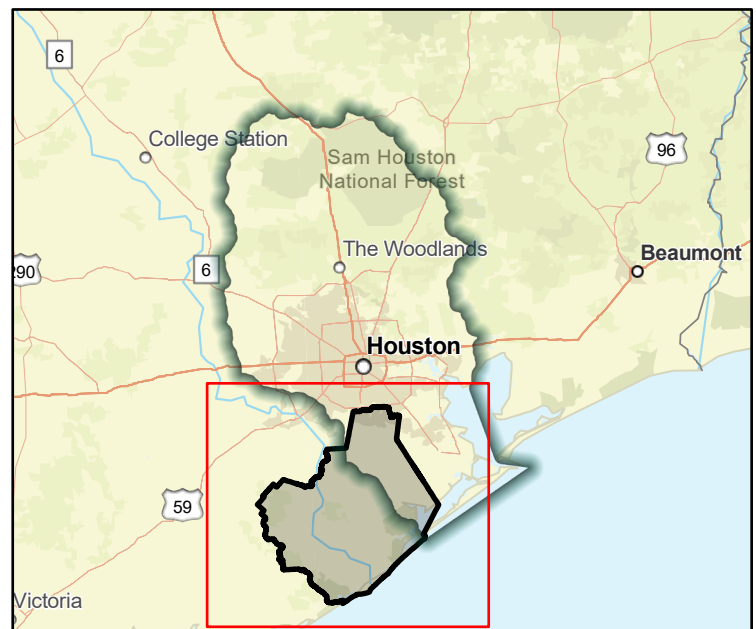
## Estimated Cost and Funding Availability

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 Brazoria Flood Mapping Updates

ID# 061000301

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

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

Drainage area (Square miles, est.) 1,482

Goal(s) 06000001,06000010,06000015

## 100-Year Flood Risk Summary

Population at risk 65,547

# of structures 18,848

Critical facilities 248

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 8,584

Roadway(s) impacted (length) 328

Number of low water crossings 0

Historical road closures

0

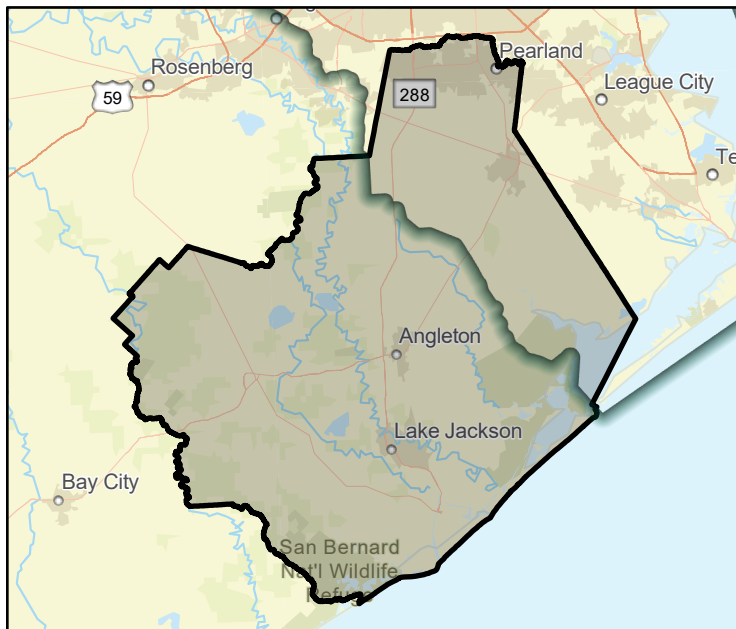
## Estimated Cost and Funding Availability

Total Cost \$6,400,000

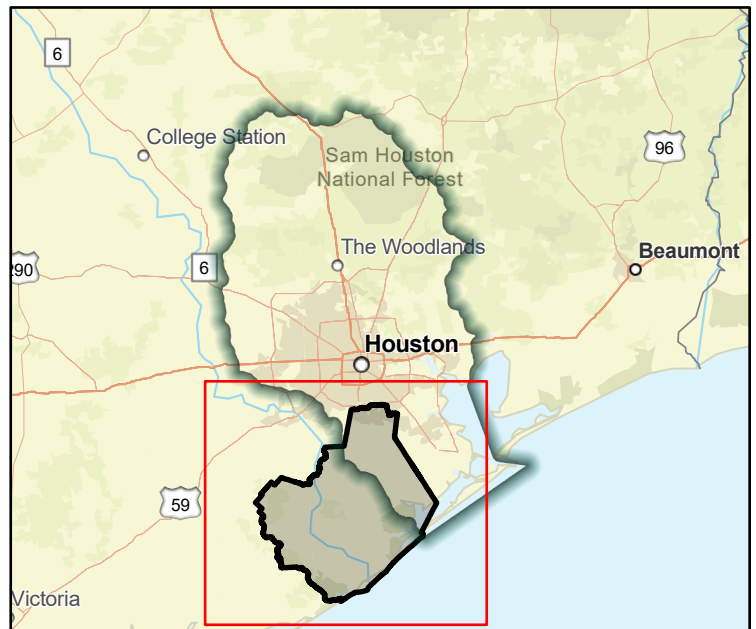
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

Title **Bridgewater Village & Enclave at Bridgewater Drainage Analysis**

ID# **061000026**

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

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



## Study Details

Study type **Project Planning**

Study description **Alternative analysis and assessment of additional protection of basin needed during design to control flows for 100-yr event.**

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

County **Harris** Watershed HUC# (if known) **120401040203**

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**

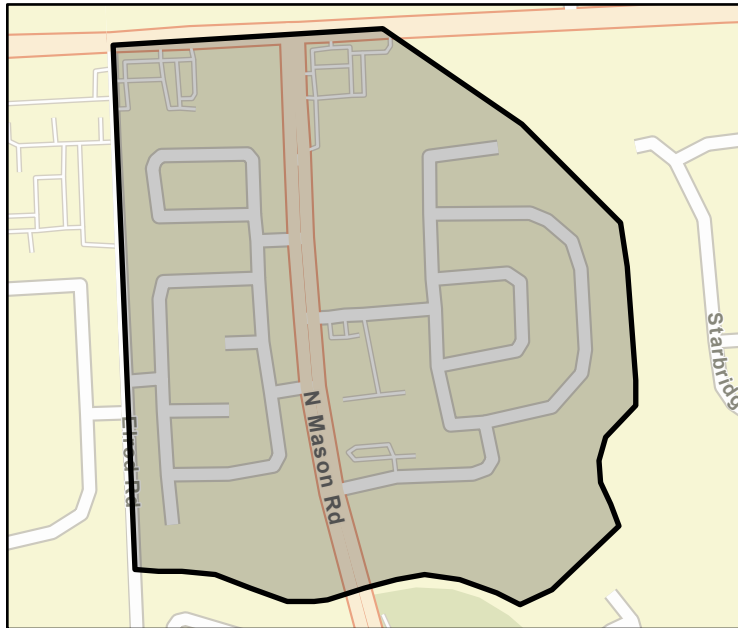
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **0**

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

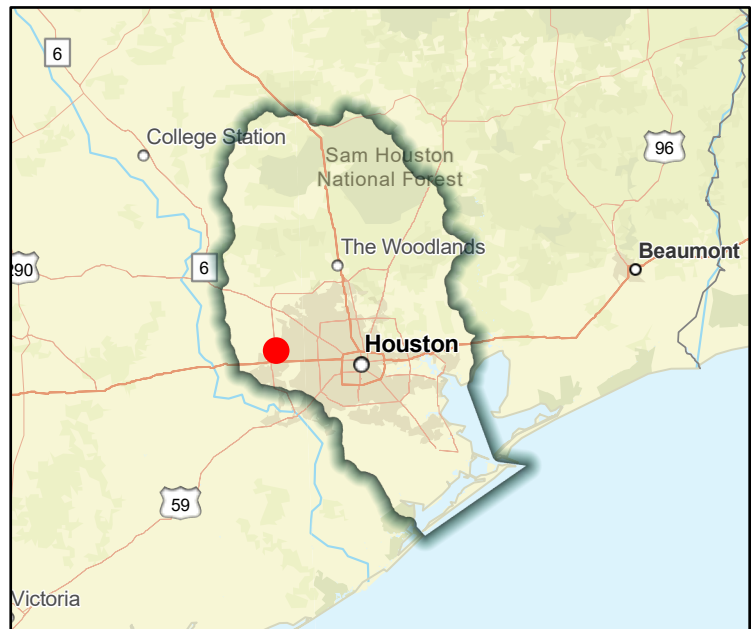
## Estimated Cost and Funding Availability

Total Cost **\$1,060,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Buffalo Bayou - W130-00-00

ID# 061000220

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) 120401040305,120401040303

Drainage area (Square miles, est.) 3

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 4,290

# of structures 27

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 0

Historical road closures 0

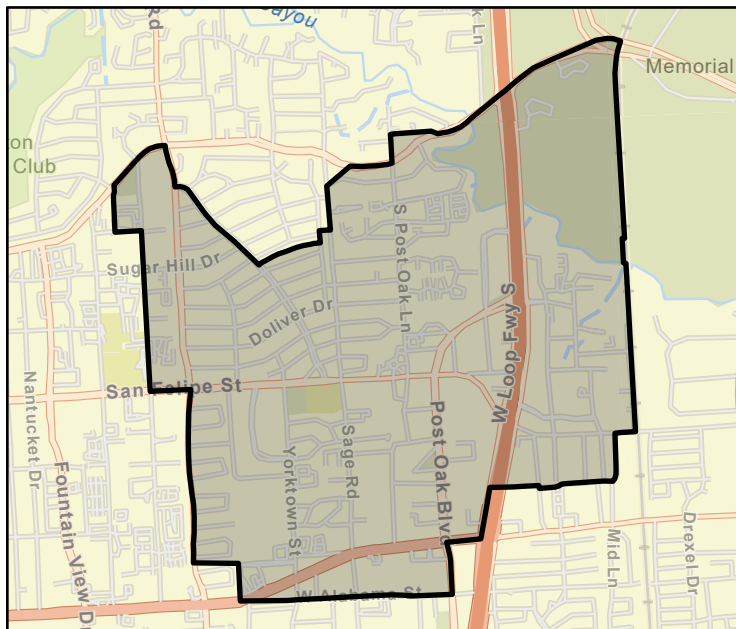
## Estimated Cost and Funding Availability

Total Cost \$700,000

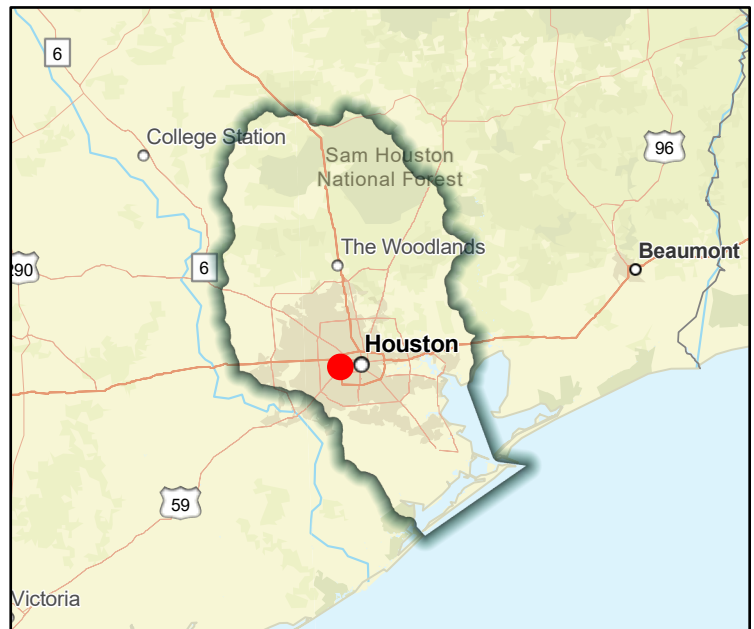
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Buffalo Bayou - W158-00-00

ID# 061000219

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) 120401040303

Drainage area (Square miles, est.) 3 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 311 # of structures 72 Critical facilities 0

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

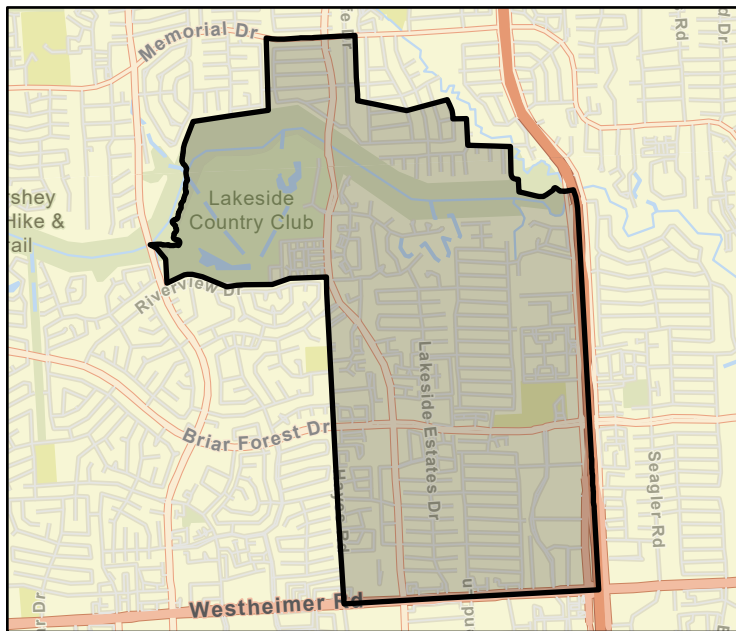
Farm/Ranch land impacted (acres) 1 Roadway(s) impacted (length) 1

Number of low water crossings 0 Historical road closures 0

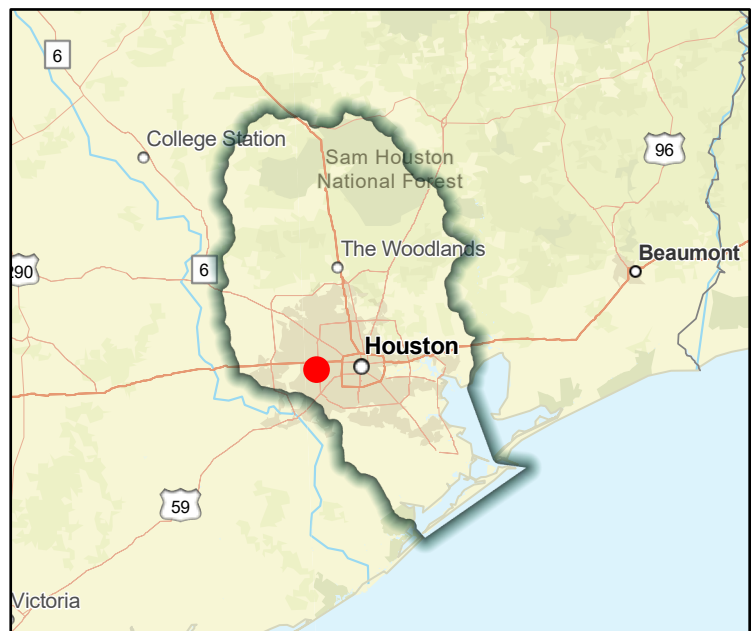
## Estimated Cost and Funding Availability

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 Buffalo Bayou - W163-00-00

ID# 061000221

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) 120401040303

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 226

# of structures 70

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 -

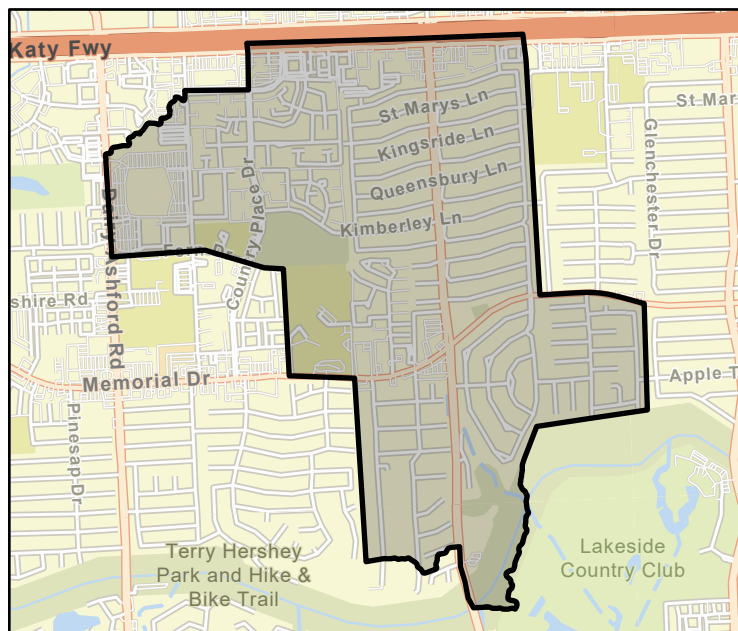
## Estimated Cost and Funding Availability

Total Cost \$700,000

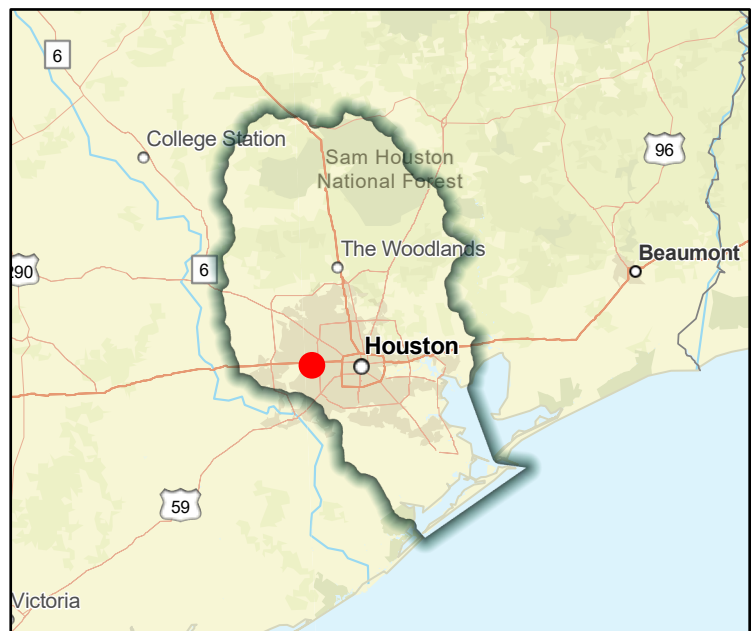
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title Buffalo Bayou Watershed Study

ID# 061000179

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 Fort Bend,Harris

Watershed HUC# (if known) 120401040703,120401040402,120401040104,120401040305,120401040

Drainage area (Square miles, est.) 102

Goal(s) 06000001,06000010,06000015

## 100-Year Flood Risk Summary

Population at risk 44,477

# of structures 1,999

Critical facilities 34

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 18

Roadway(s) impacted (length) 39

Number of low water crossings 0

Historical road closures

0

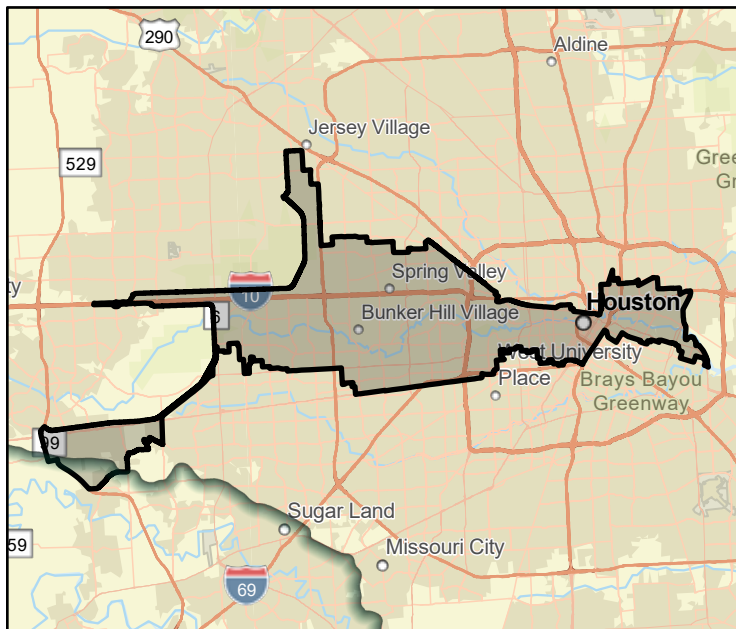
## Estimated Cost and Funding Availability

Total Cost \$900,000

Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



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

Title Cable - Alligator Creek Watershed

ID# 061000450

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 69 # of structures 40 Critical facilities 1

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

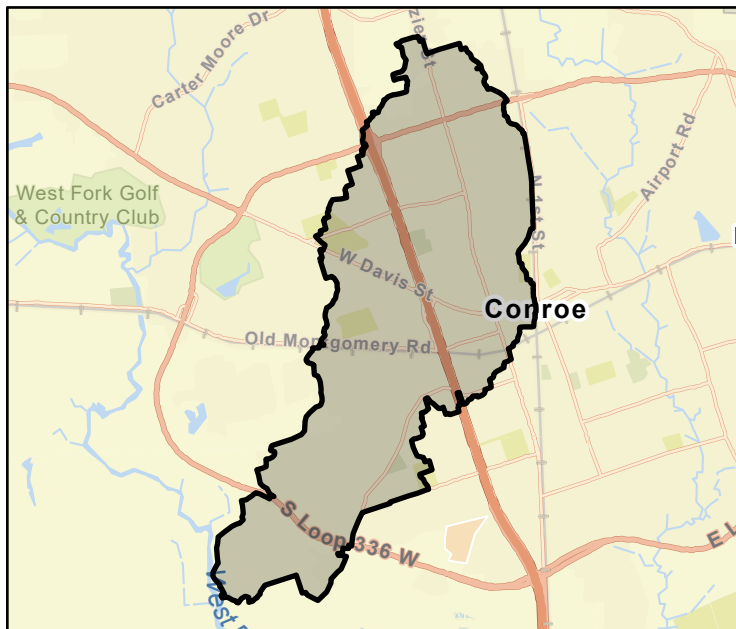
Farm/Ranch land impacted (acres) 7 Roadway(s) impacted (length) 1

Number of low water crossings 0 Historical road closures 0

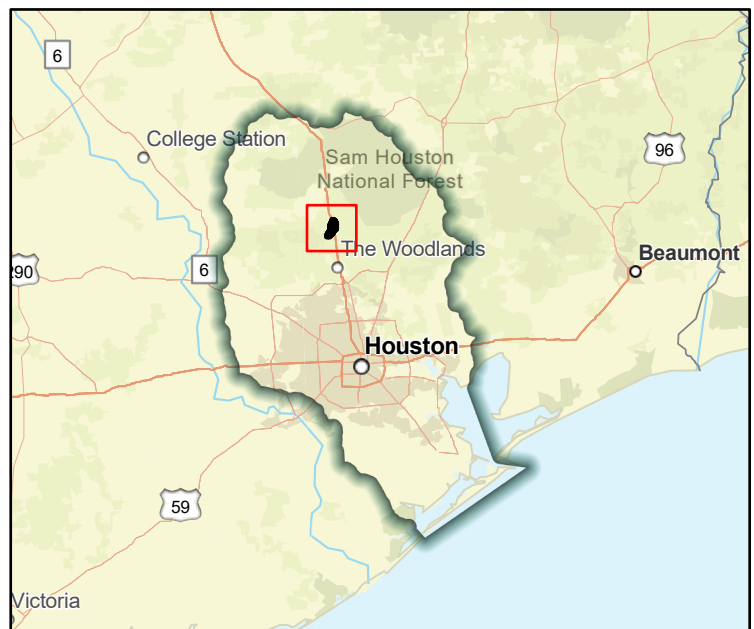
## Estimated Cost and Funding Availability

Total Cost \$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 Cane Island Branch- Alt 1

ID# 061000152

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

RFPG recommend? -

Reason for Recommendation -

## Study Details

Study type Project Planning

Study description Further study of 2,800 ac-ft detention upstream of Pitts road

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Fort Bend,Harris,Waller

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

Drainage area (Square miles, est.) 15

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 2,216

# of structures 546

Critical facilities 8

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 22

Roadway(s) impacted (length) 10

Number of low water crossings 4

Historical road closures

4

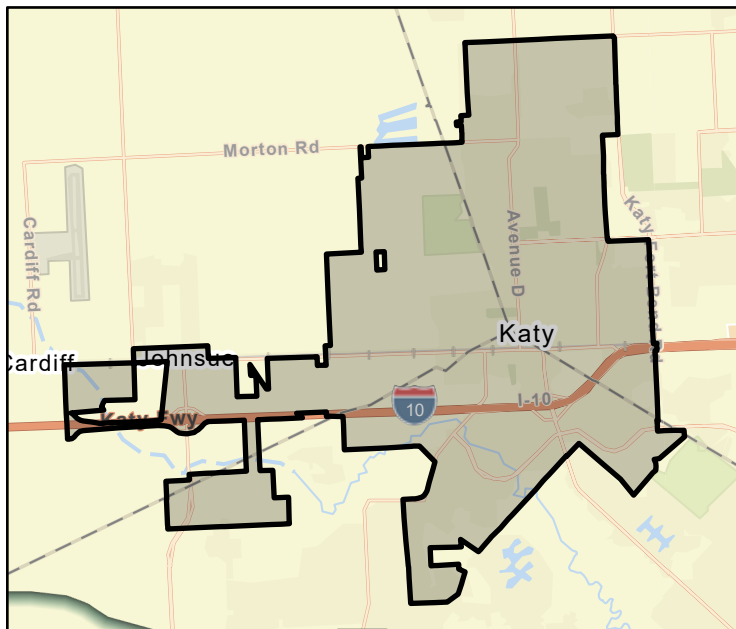
## Estimated Cost and Funding Availability

Total Cost \$180,000

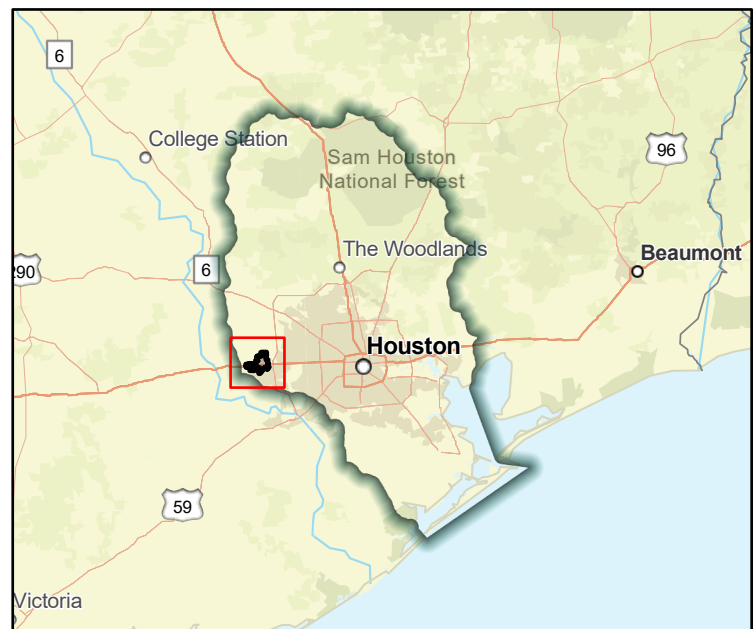
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Cane Island Branch- Alt 2**

ID# **061000085**

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

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

## Study Details

Study type **Project Planning**

Study description **Further study and FMP development of proposed channel modifications to Cane Island Branch including Atlas 14 rainfall.**

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

County **Fort Bend,Harris,Waller** Watershed HUC# (if known) **120401040102,120401040103,120401040104,120401040101,120401040**

Drainage area (Square miles, est.) **15** Goal(s) **06000001,06000011,06000012,06000015**

## 100-Year Flood Risk Summary

Population at risk **2,216** # of structures **546** Critical facilities **8**

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

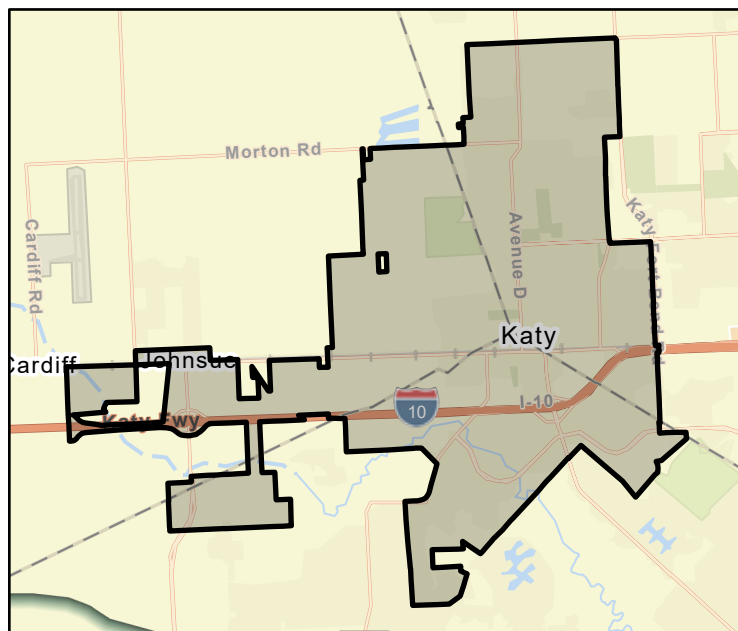
Farm/Ranch land impacted (acres) **22** Roadway(s) impacted (length) **10**

Number of low water crossings **4** Historical road closures **4**

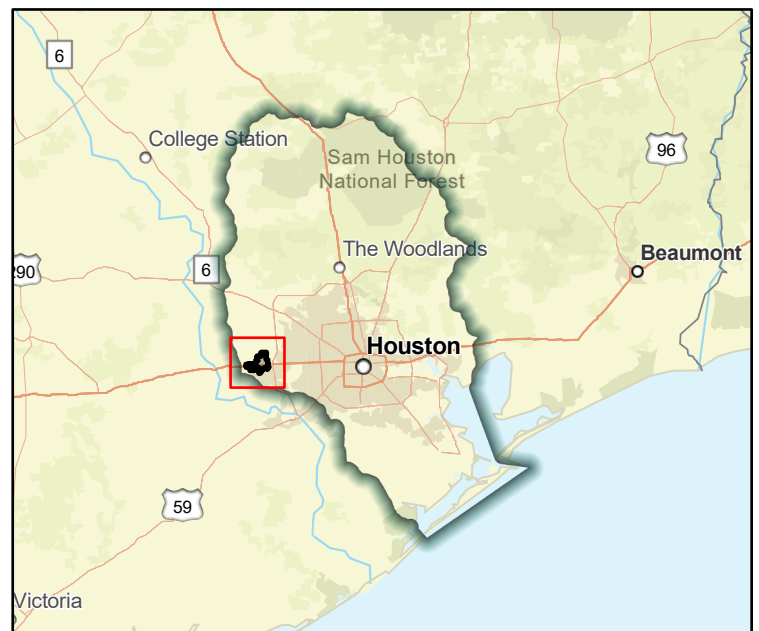
## Estimated Cost and Funding Availability

Total Cost **\$3,270,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Cannon Ditch Segment 2

ID# 061000054

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) 120402040200,120402040100

Drainage area (Square miles, est.) 6

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 814

# of structures 574

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 27

Roadway(s) impacted (length) 3

Number of low water crossings 0

Historical road closures 0

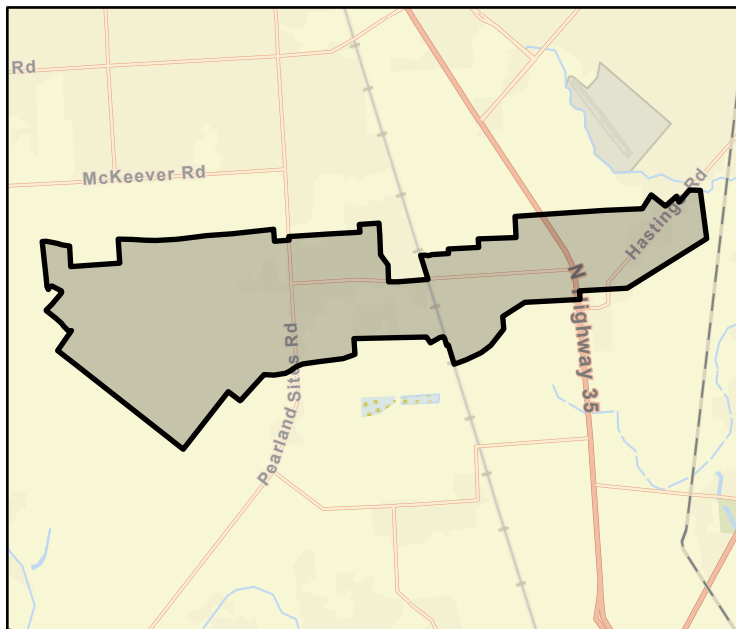
## Estimated Cost and Funding Availability

Total Cost \$932,000

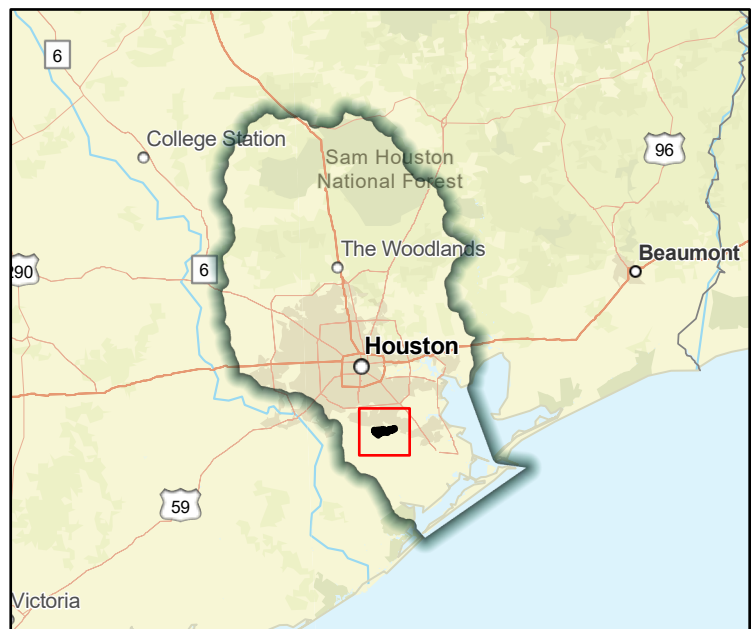
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Carpenters (N100-00-00) Channel Improvements**

ID# **061000402**

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 Cost Benefit Analysis and elevate the project to a FMP. Carpenters Bayou (N100-00-00) channel conveyance improvements.**

New Hydrologic or Hydraulic model? **-**

Emergency Need? **-**

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

County **Harris**

Watershed HUC# (if known) **120401040702**

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

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

## 100-Year Flood Risk Summary

Population at risk **531**

# of structures **153**

Critical facilities **3**

Flood risk type: Riverine? **Yes**

Coastal? **Yes**

Local? **No**

Playa? **No**

Other? **No**

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

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

Number of low water crossings **0**

Historical road closures **0**

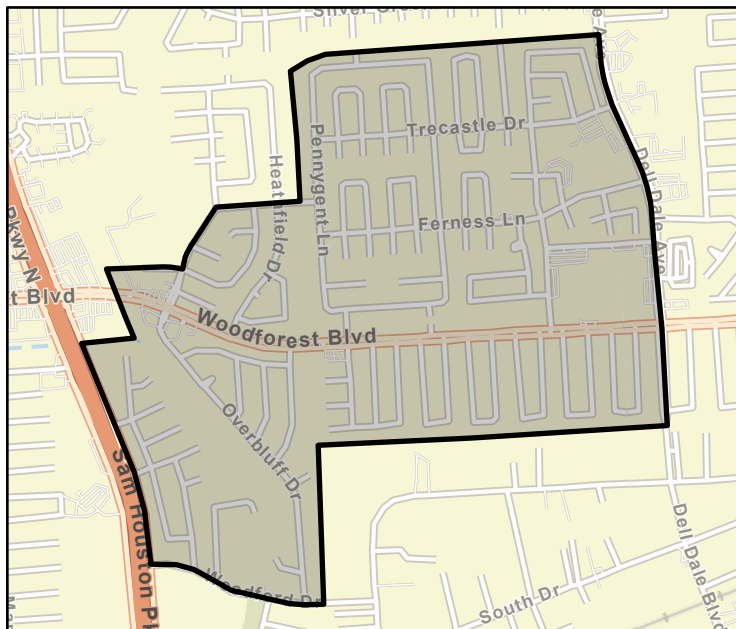
## Estimated Cost and Funding Availability

Total Cost **\$30,000**

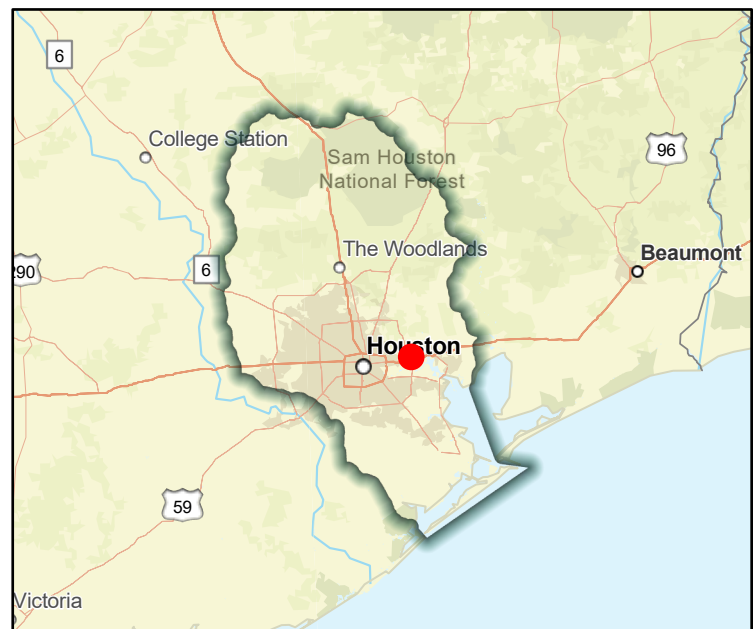
Amount of Available Funding **-**

Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood)**

ID# **061000464**

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

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

## Study Details

Study type **Project Planning**

Study description **Further study to develop a BCA required to elevate project to FMP. The project is to reduce flooding in the Problem Area #5 identified by the Carpenters Bayou Watershed Planning Project Report, 2021.**

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.) **31** 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**

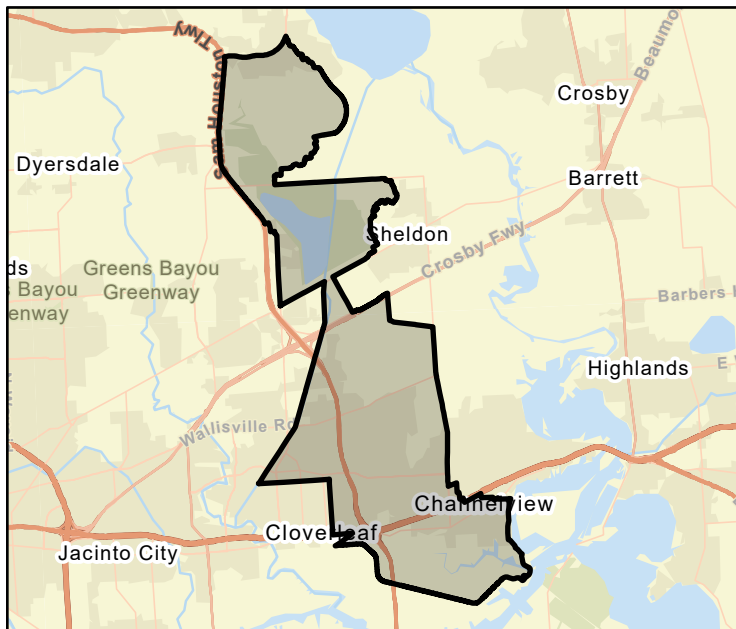
Farm/Ranch land impacted (acres) **7** Roadway(s) impacted (length) **10**

Number of low water crossings **7** Historical road closures **7**

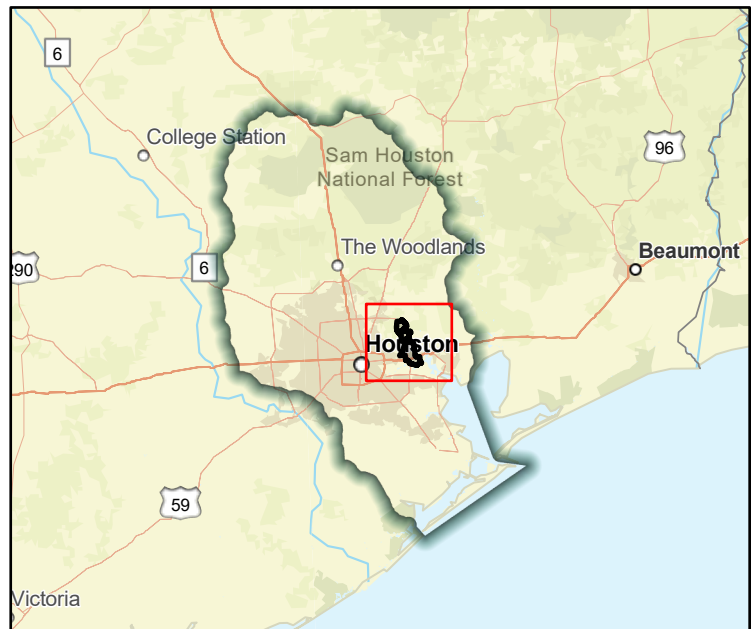
## Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Carpenters Planing Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)**

ID# **061000333**

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. Drainage system upgrade using combination of 9'x7' RCB spanning 3,000' and a 109 acre-feet detention facility providing drainage relief for this portion of the Cloverleaf Community.**

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

County **Harris** Watershed HUC# (if known) **120401040702,120401040606**

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? **Yes** Local? **No** Playa? **No** Other? **No**

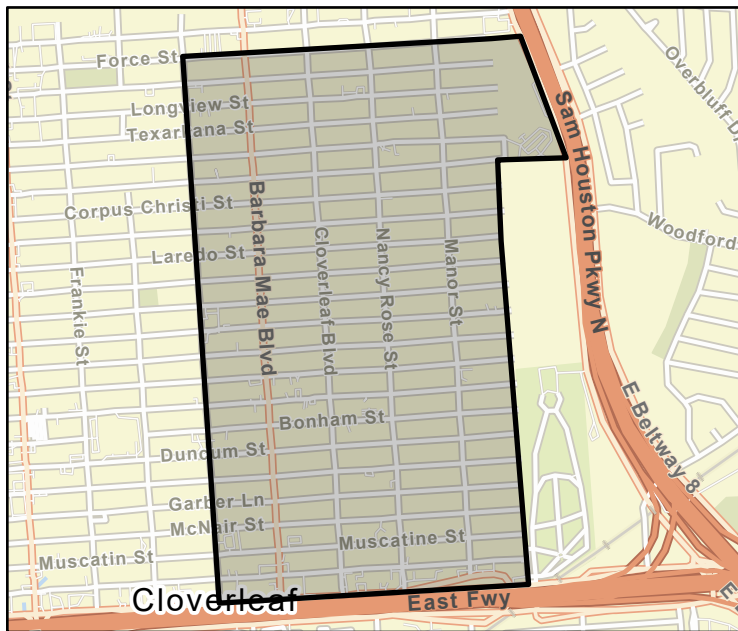
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **-**

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

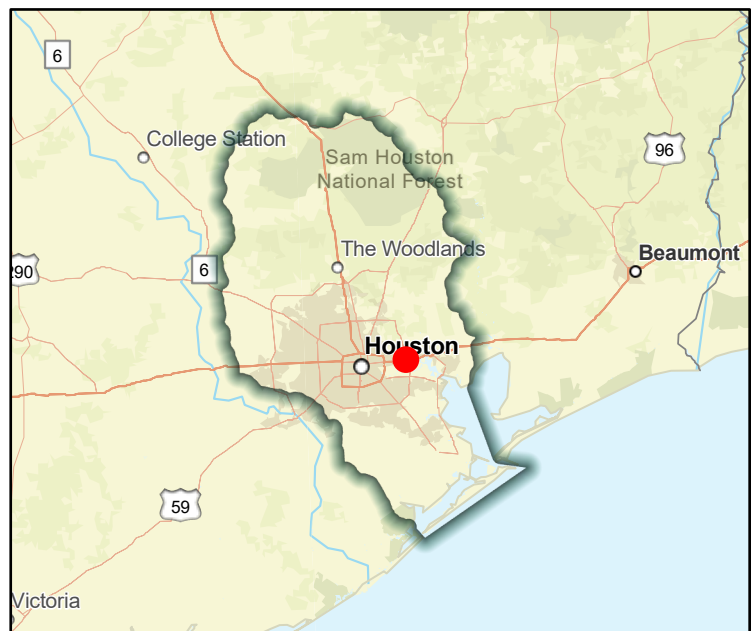
## Estimated Cost and Funding Availability

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

Funding source **HCFC**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

Title **Carpenters Planing Study N110-00-00 Diversion to P103-00/P103-03**

ID# **061000174**

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

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



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## Study Details

Study type **Project Planning**

Study description **Feasibility study needed to evaluate a designed interconnection to lower Greens Bayou**

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.) **31**

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**

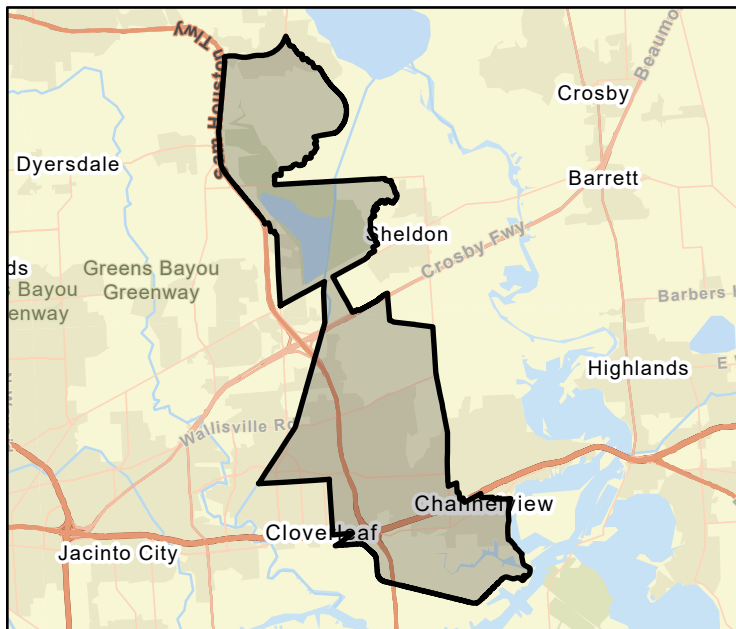
## Estimated Cost and Funding Availability

Total Cost **\$700,000**

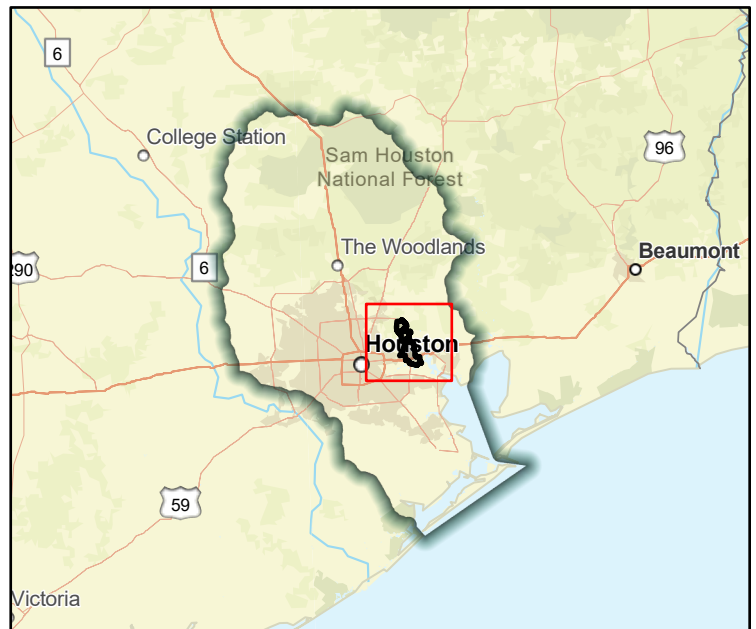
Amount of Available Funding **-**

Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Catalina**

ID# **061000465**

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

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

## Study Details

Study type **Project Planning**

Study description **Study to develop a BCR and other data needed to elevate project to a FMP. FIF application information unavailable.**

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

County **Brazoria, Galveston, Fort** Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **262** 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**

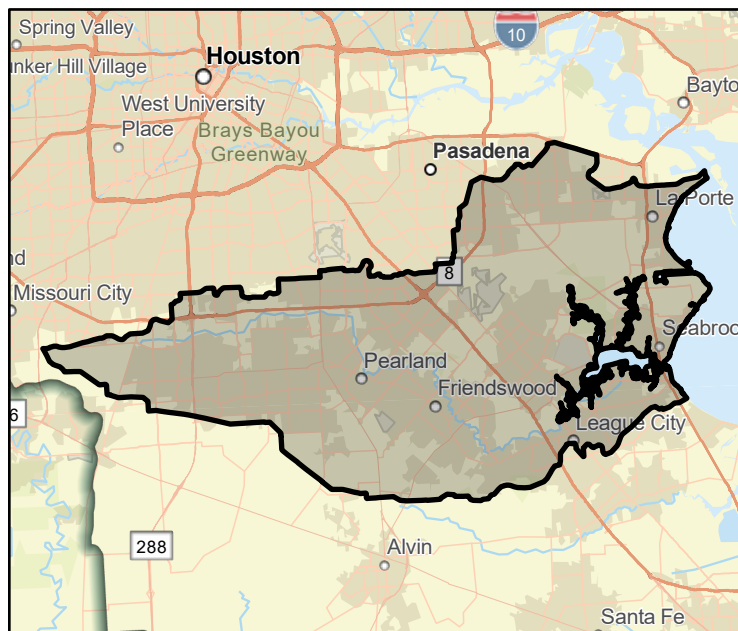
Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **7**

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

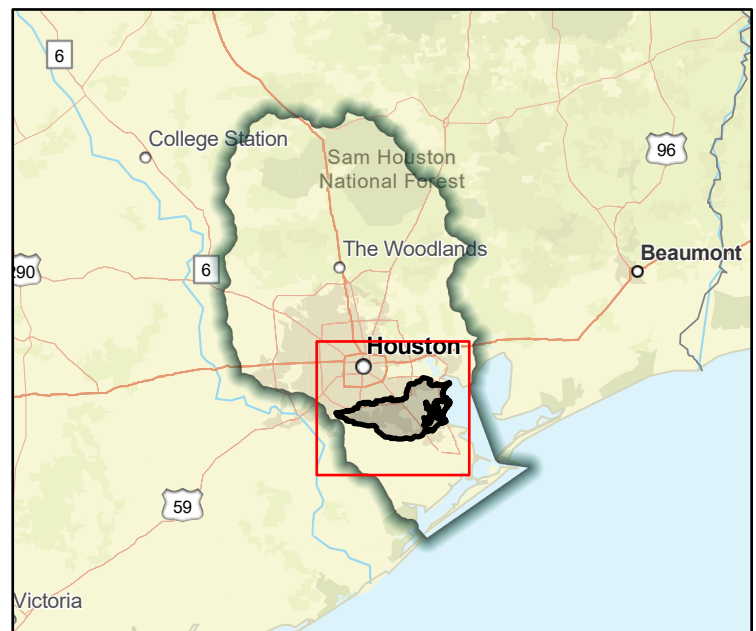
## Estimated Cost and Funding Availability

Total Cost **\$173,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942

ID# 061000376

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. Cedar Bayou channel improvements from US 90 to FM 1942

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Chambers,Harris,Liberty

Watershed HUC# (if known) 120401030205,120401040705,120401040706,120401040704,120402030

Drainage area (Square miles, est.) 47

Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 345

# of structures 228

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 892

Roadway(s) impacted (length) 12

Number of low water crossings 0

Historical road closures

0

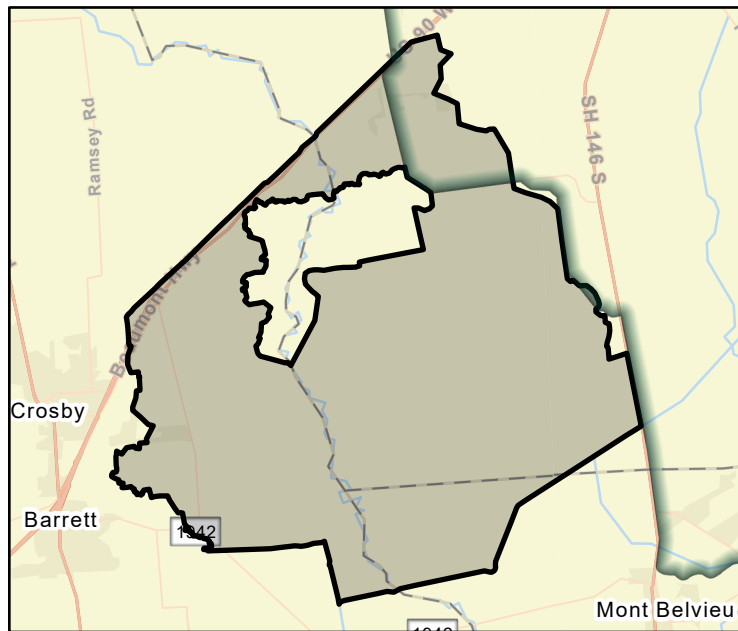
## Estimated Cost and Funding Availability

Total Cost \$30,000

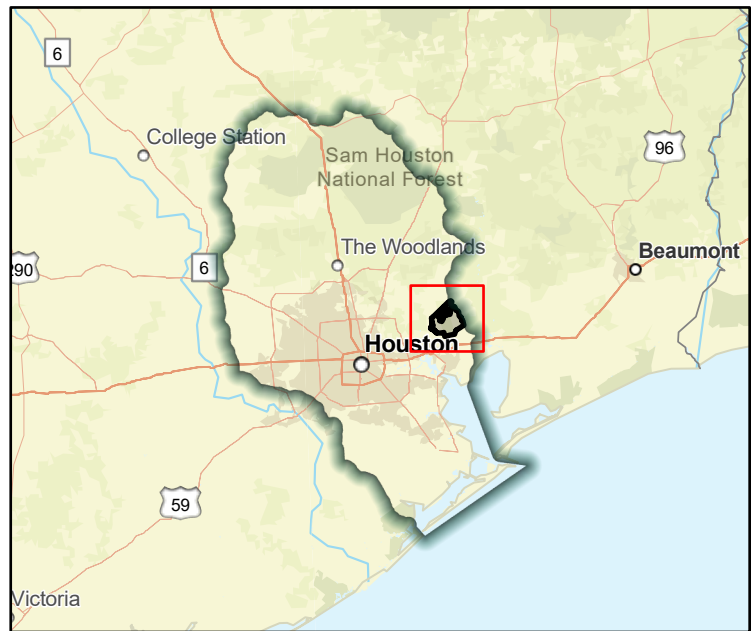
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960

ID# 061000379

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. Cedar Bayou channel improvements upstream of FM 1960

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

County Chambers,Harris,Liberty Watershed HUC# (if known) 120401030205,120401040705,120401040706,120401040704,120402030

Drainage area (Square miles, est.) 23 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 147 # of structures 75 Critical facilities 0

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

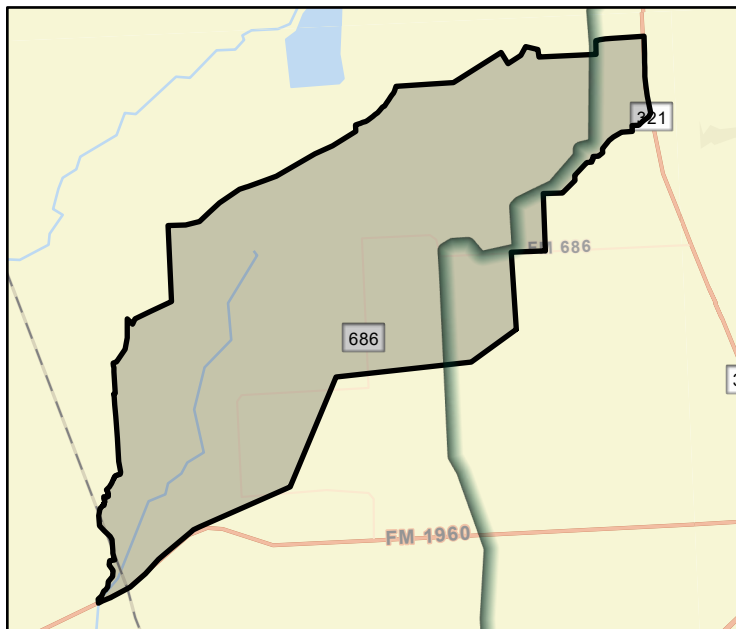
Farm/Ranch land impacted (acres) 463 Roadway(s) impacted (length) 5

Number of low water crossings 0 Historical road closures 0

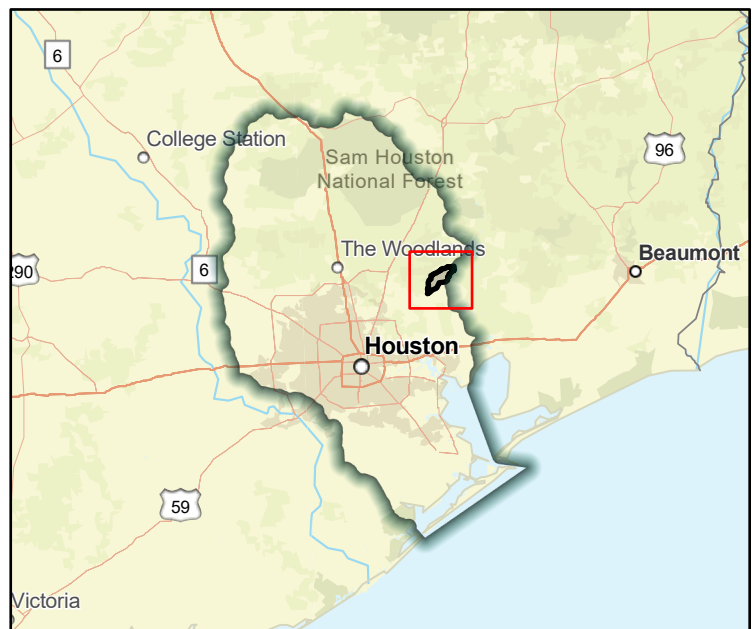
## Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)

ID# 061000369

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. Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou

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

County Chambers,Harris Watershed HUC# (if known) 120401040706,120402030105,120402030106

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

## 100-Year Flood Risk Summary

Population at risk 1,274 # of structures 319 Critical facilities 0

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

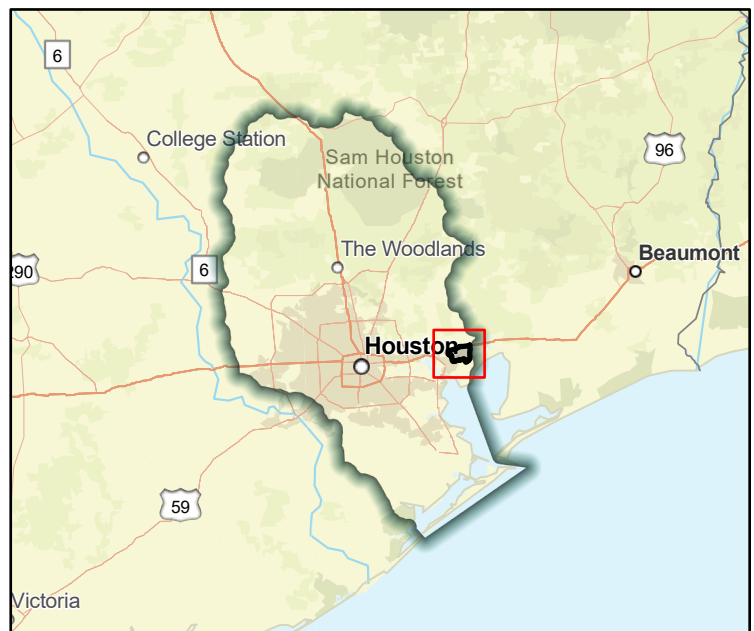
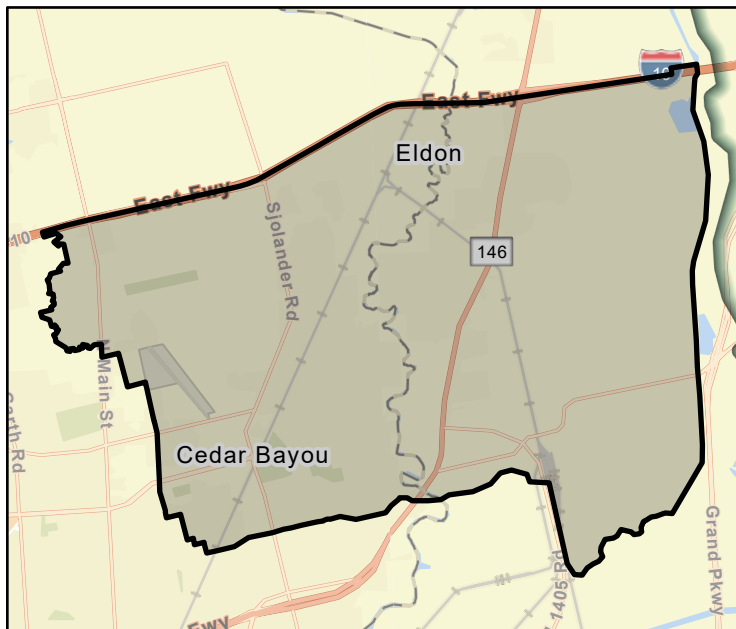
Farm/Ranch land impacted (acres) 25 Roadway(s) impacted (length) 5

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 -



# Flood Management Evaluation (FME)

Title Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)

ID# 061000367

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. Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou

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

County Chambers,Harris Watershed HUC# (if known) 120401040706,120402030106,120402030200

Drainage area (Square miles, est.) 28 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 1,046 # of structures 230 Critical facilities 7

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

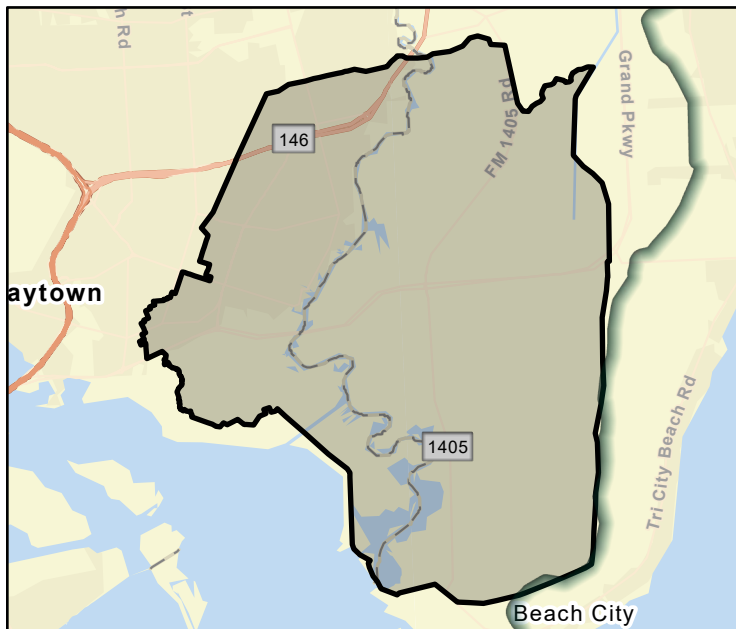
Farm/Ranch land impacted (acres) 47 Roadway(s) impacted (length) 8

Number of low water crossings 0 Historical road closures 0

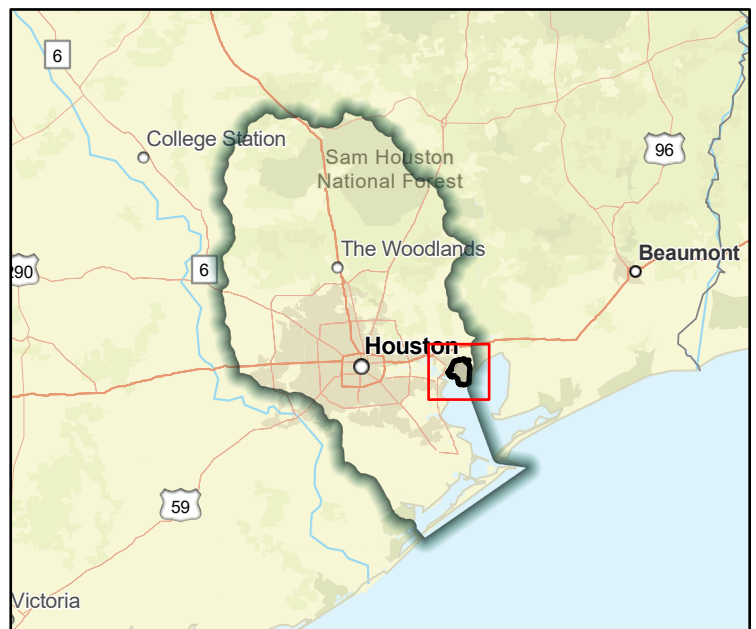
## Estimated Cost and Funding Availability

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 Cedar Bayou Flood Risk Reduction Study - Q128 Channel Improvements from US 90 to Q100 Confluence

ID# 061000374

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. Cedar Bayou channel improvements from US 90 to Confluence with Q100

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

County Chambers,Harris,Liberty Watershed HUC# (if known) 120401030205,120401040705,120401040706,120401040704,120402030

Drainage area (Square miles, est.) 5 Goal(s) 06000001,06000011,06000012,06000015

## 100-Year Flood Risk Summary

Population at risk 199 # of structures 142 Critical facilities 0

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

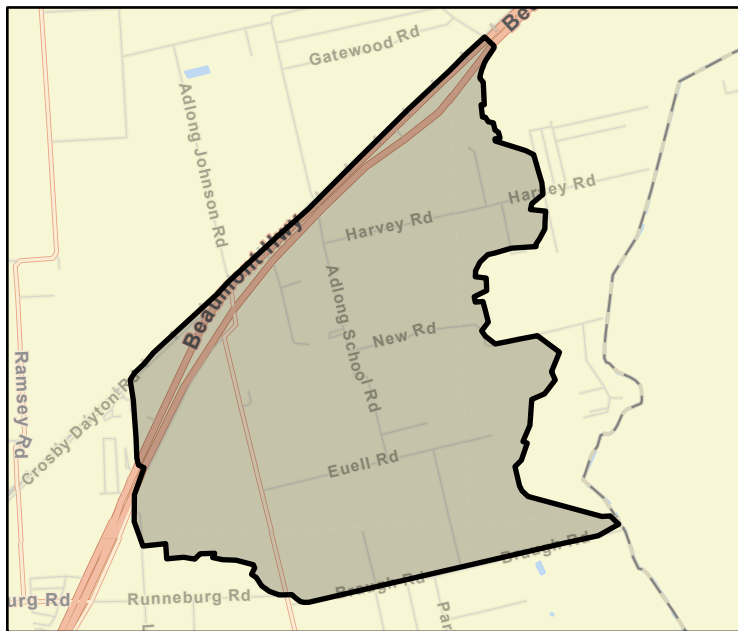
Farm/Ranch land impacted (acres) 161 Roadway(s) impacted (length) 6

Number of low water crossings 0 Historical road closures 0

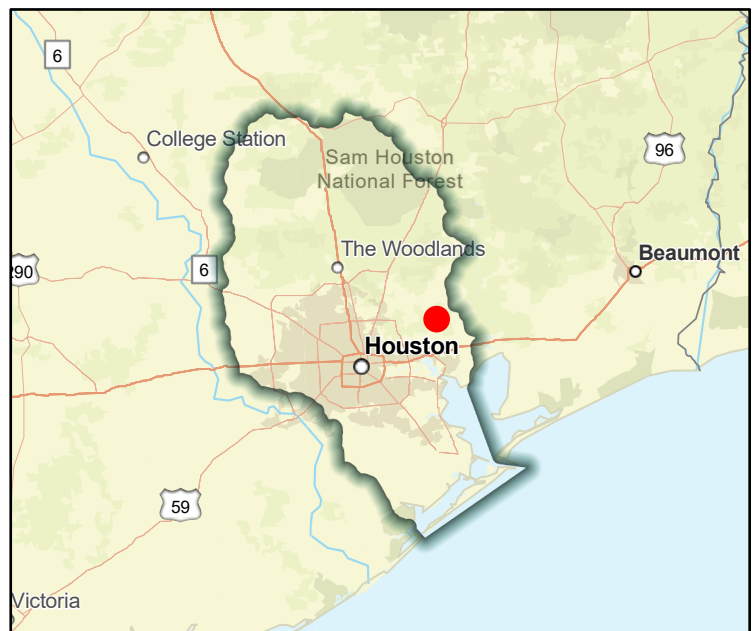
## Estimated Cost and Funding Availability

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 Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence

ID# 061000368

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. Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence

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

County Chambers,Harris,Liberty Watershed HUC# (if known) 120401030205,120401040705,120401040706,120401040704,120402030

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

## 100-Year Flood Risk Summary

Population at risk 241 # of structures 174 Critical facilities 0

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

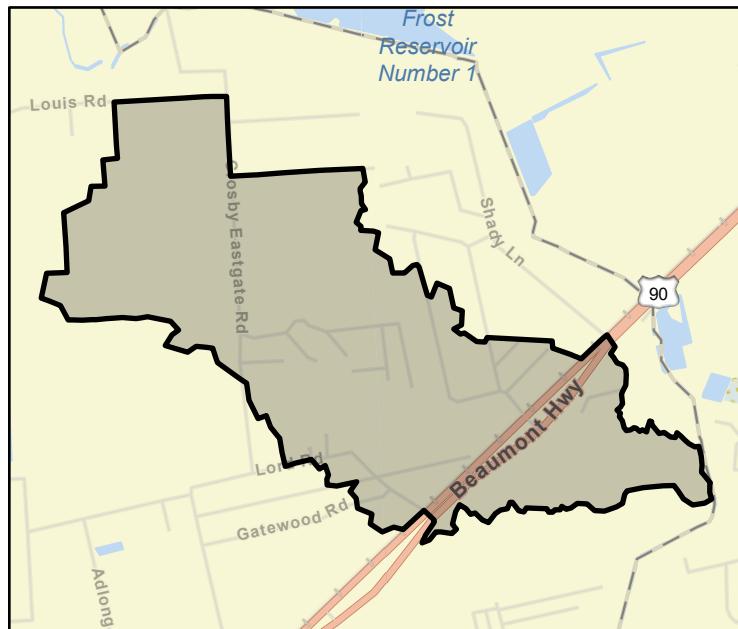
Farm/Ranch land impacted (acres) 141 Roadway(s) impacted (length) 3

Number of low water crossings 0 Historical road closures 0

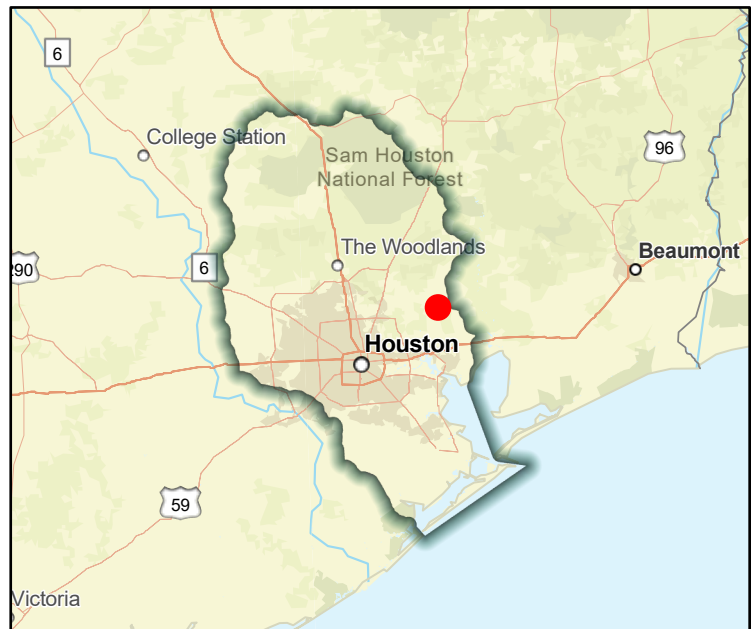
## Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



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**REGION 6**

Title Chambers County Dam and Levee Failure Inundation Map Update

ID# 061000042

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

RFPG recommend? -

Reason for Recommendation -

## Study Details

Study type Watershed Planning

Study description Further study for all participating jurisdictions to update dam and levee failure inundation maps, and update floodplain and floodway maps throughout the county. The updated maps will also be made available to the public.

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.) 866

Goal(s) 06000001,06000010,06000015

## 100-Year Flood Risk Summary

Population at risk 797

# of structures 151

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 354

Roadway(s) impacted (length) 7

Number of low water crossings 0

Historical road closures 0

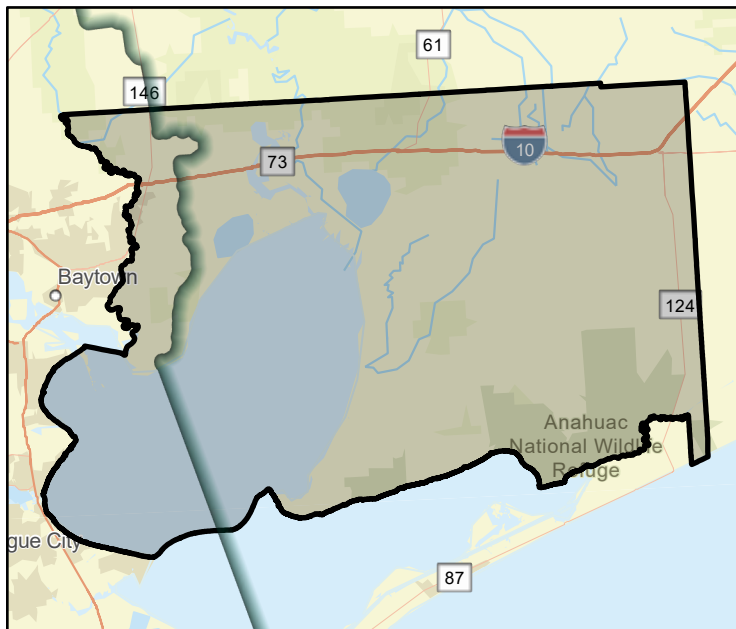
## Estimated Cost and Funding Availability

Total Cost \$3,700,000

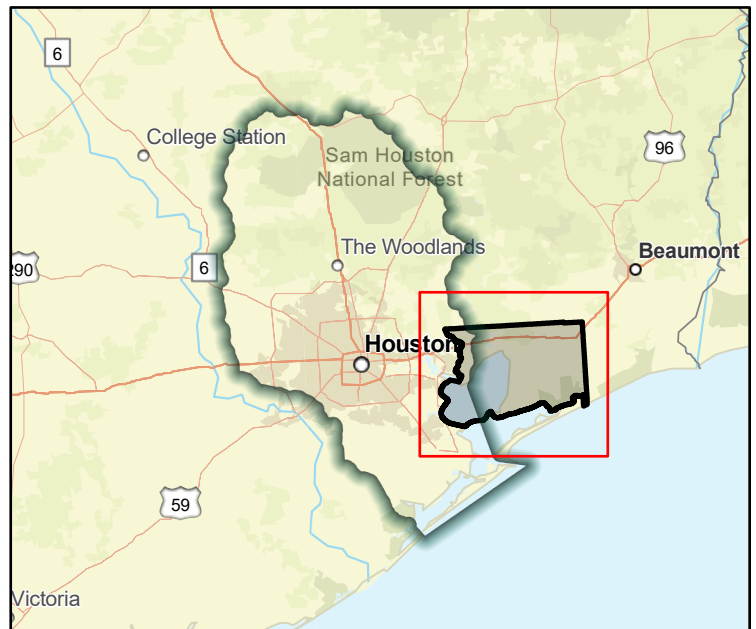
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area