

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Sims Bayou Watershed Study

ID# 061000183

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) 120401040703,120401040402,120401040502,120401040501,120402040

Drainage area (Square miles, est.) 93

Goal(s) 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk 34,907

of structures 5,858

Critical facilities 74

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 51

Roadway(s) impacted (length) 103

Number of low water crossings 10

Historical road closures 10

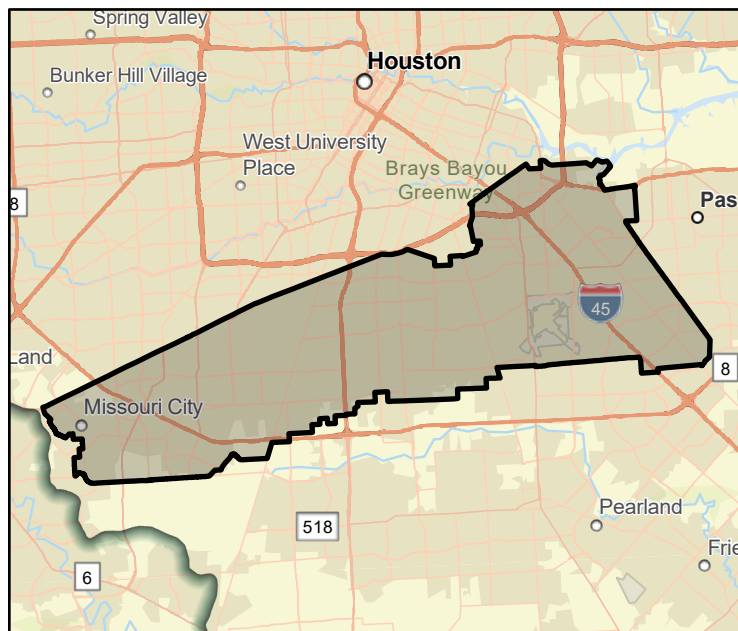
Estimated Cost and Funding Availability

Total Cost \$900,000

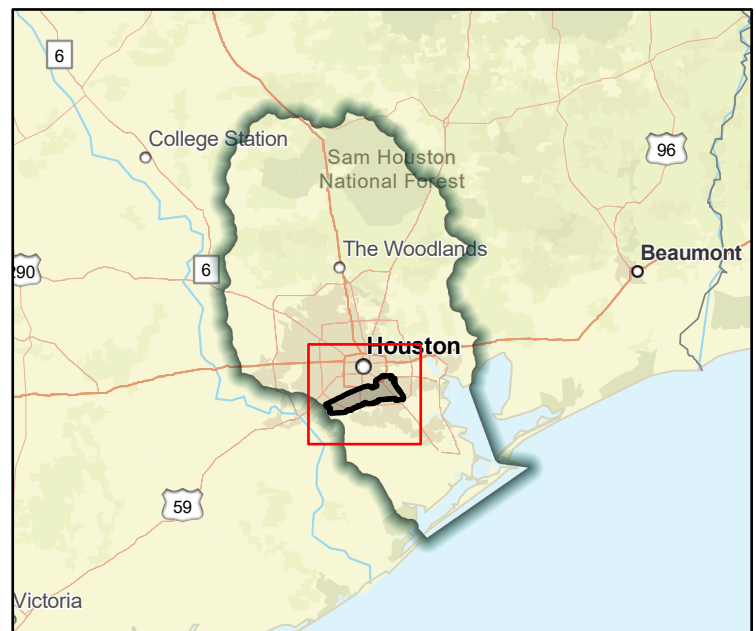
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **South 3rd - Stewarts Creek Watershed**

ID# **061000458**

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 **1,873** # of structures **365** Critical facilities **6**

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

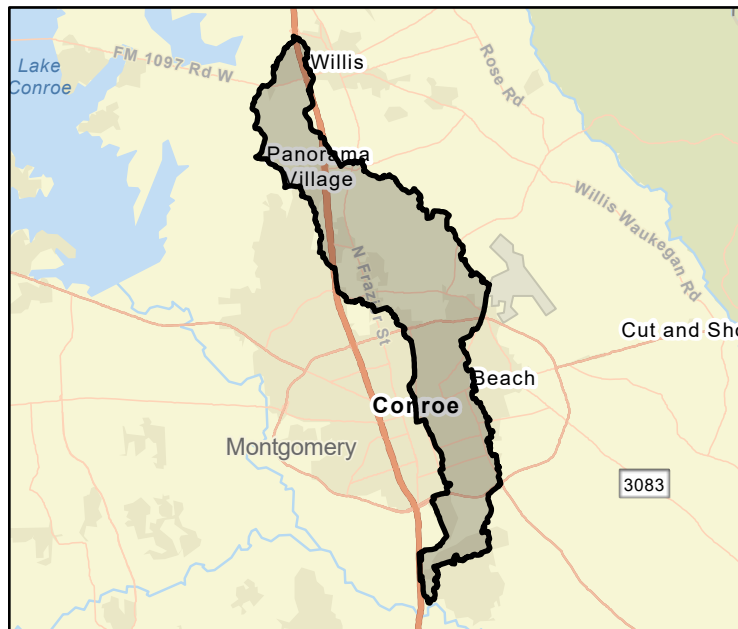
Farm/Ranch land impacted (acres) **3** Roadway(s) impacted (length) **7**

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

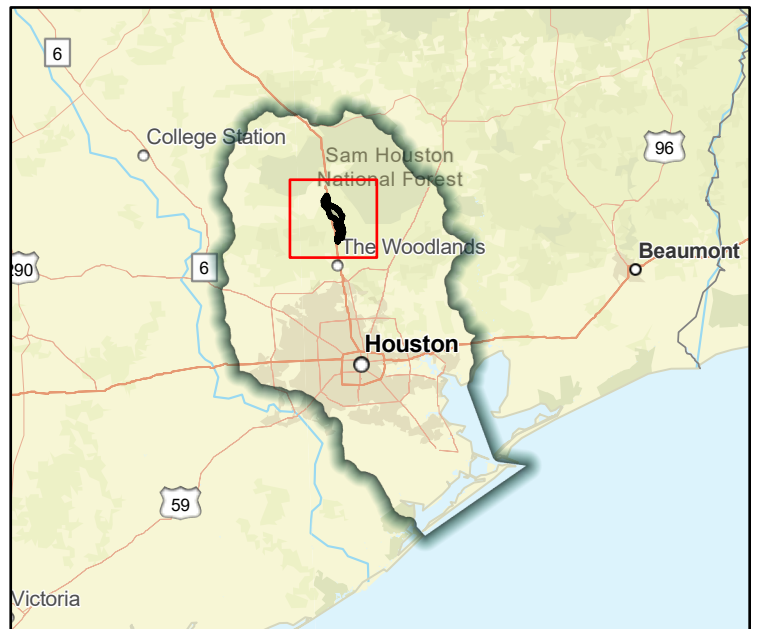
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title South Frazier - Grand Lake Creek Watershed

ID# 061000451

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.) 4

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 3,099

of structures 516

Critical facilities 2

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 2

Roadway(s) impacted (length) 10

Number of low water crossings 9

Historical road closures

9

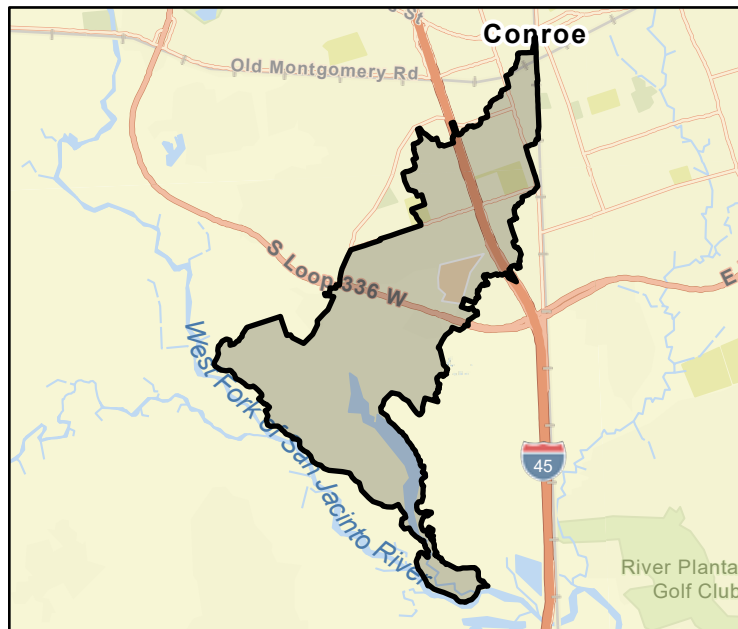
Estimated Cost and Funding Availability

Total Cost \$30,000

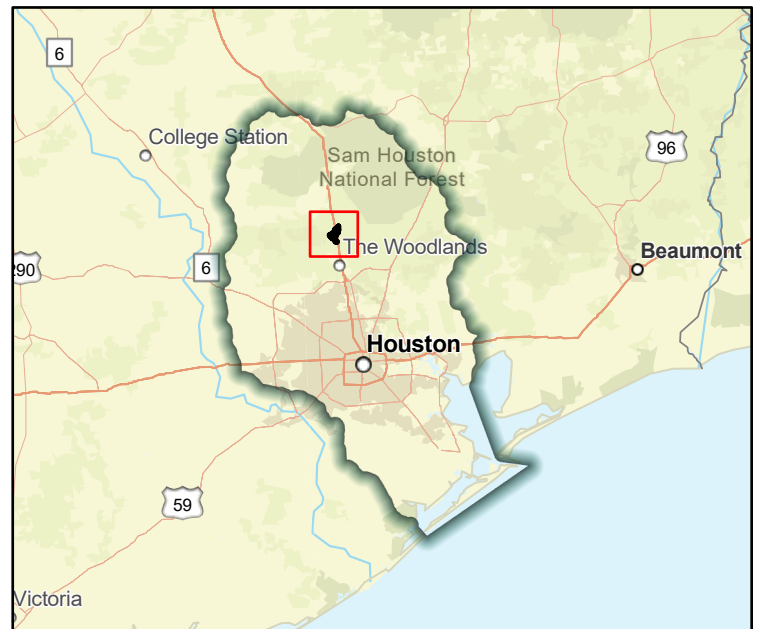
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Southeast Montgomery County Master Drainage Plan

ID# 061000463

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

RFPG recommend? - Reason for Recommendation -



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Watershed Planning

Study description 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) 120401010403,120401010401,120401010402,120401010501,120401010101

Drainage area (Square miles, est.) 313

Goal(s) 06000001,06000010,06000015

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

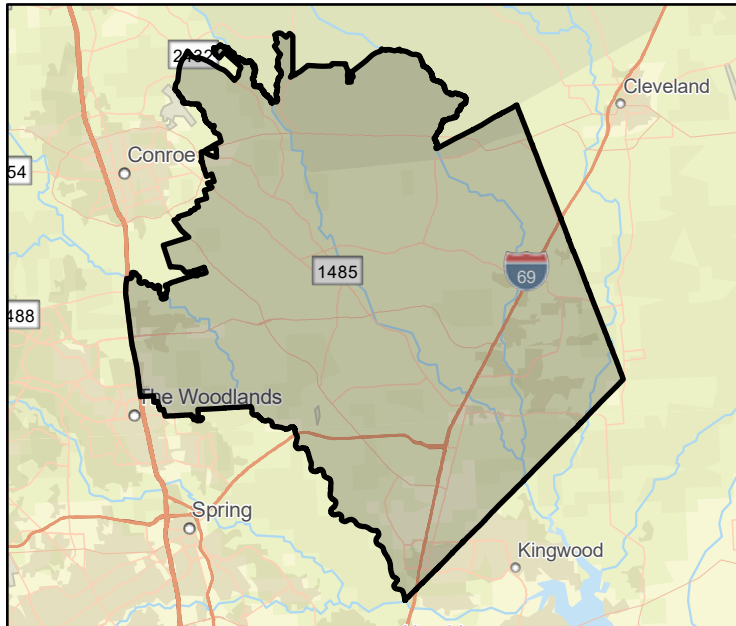
Number of low water crossings 7

Historical road closures 7

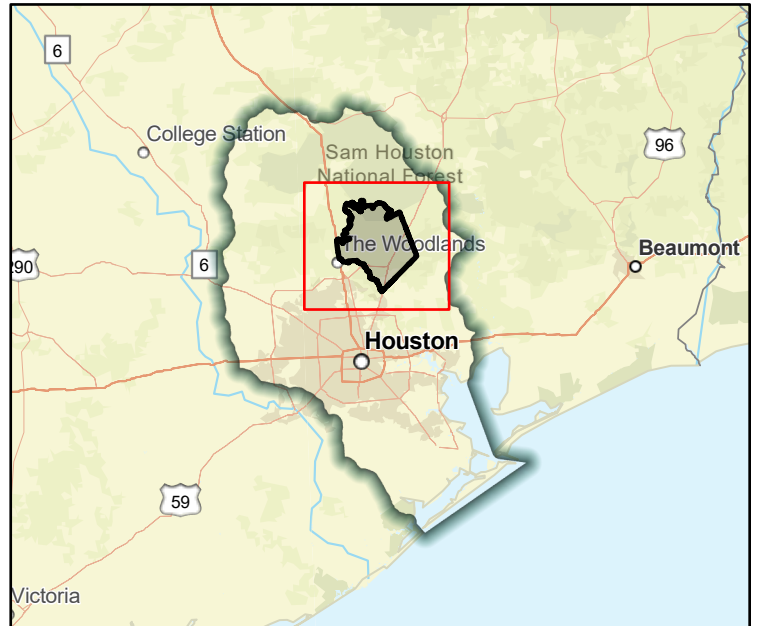
Estimated Cost and Funding Availability

Total Cost - Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Southern Oak - Little Laney Creek**

ID# **061000460**

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 **283** # of structures **102** Critical facilities **0**

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

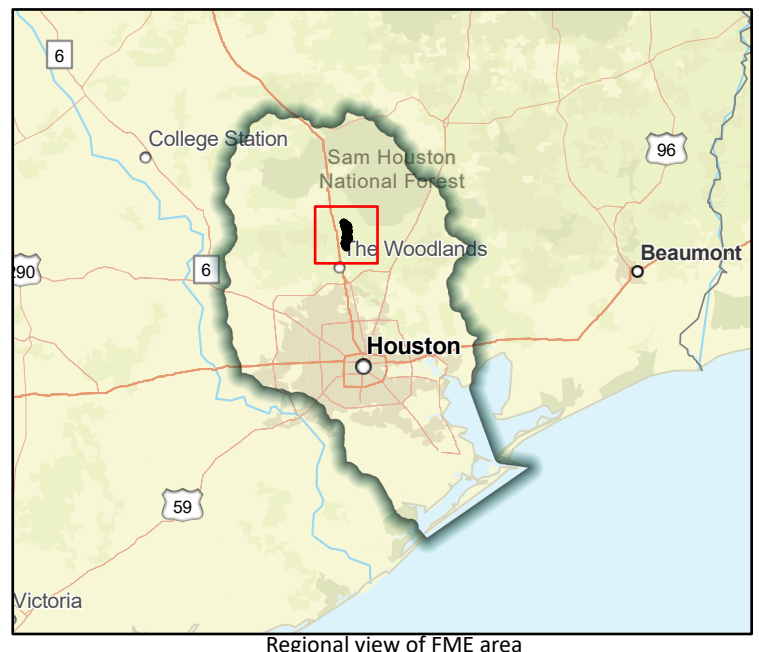
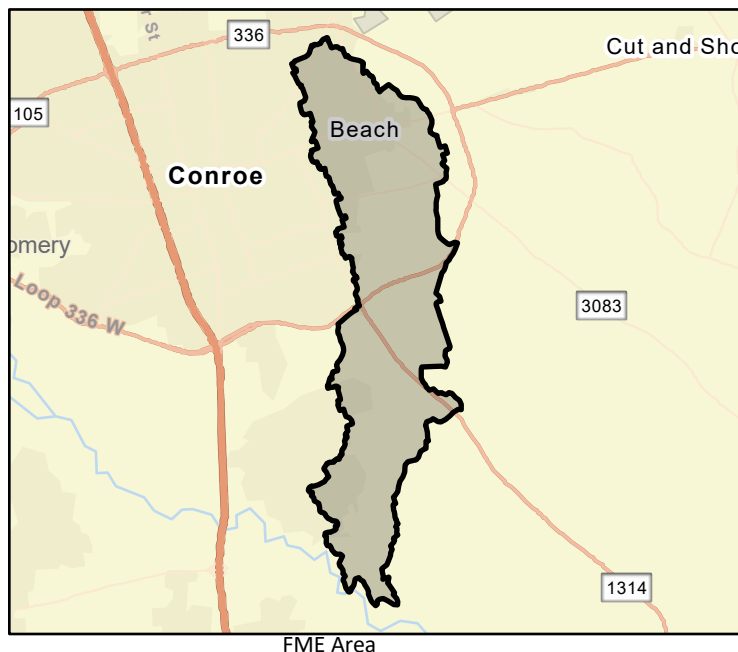
Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **6**

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 **-**



Flood Management Evaluation (FME)



Title Southwood Forest Subdivision and Forgotten Forest Subdivision Evaluation

ID# 061000141

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Study to develop a community-wide drainage system in Southwood Forest Subdivision and Forgotten Forest Subdivision.

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

County Walker Watershed HUC# (if known) 120401010202

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

100-Year Flood Risk Summary

Population at risk 5 # of structures 13 Critical facilities 0

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

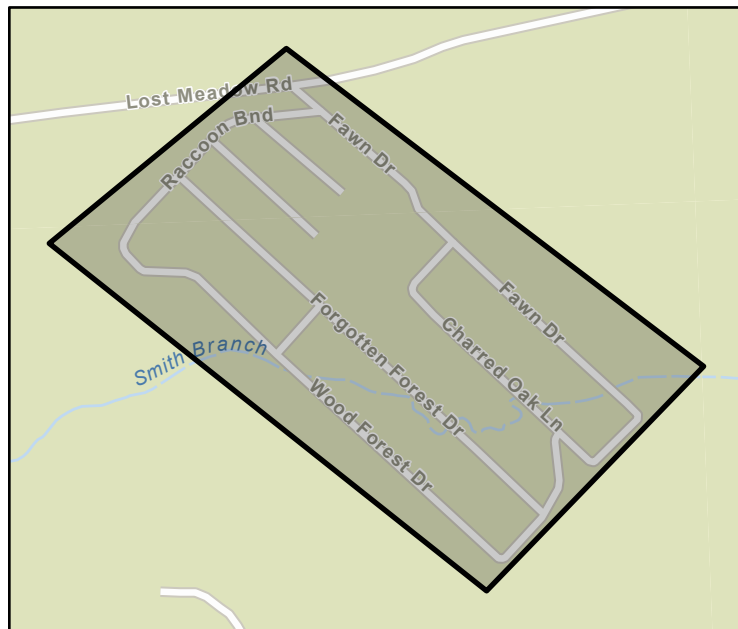
Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) -

Number of low water crossings - Historical road closures -

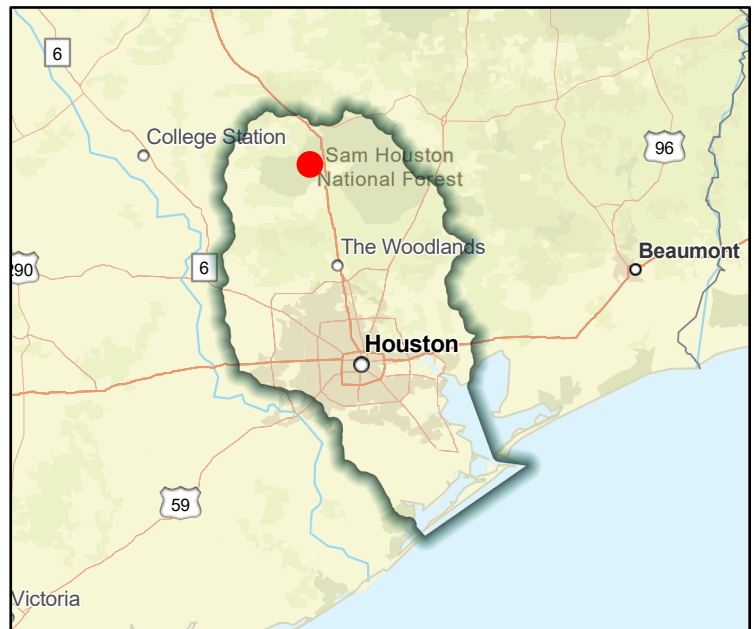
Estimated Cost and Funding Availability

Total Cost \$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 **Spanish Cove Subdivision Drainage Assessment**

ID# **061000029**

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

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

Study Details

Study type **Project Planning**

Study description **Additional analysis needed to confirm no negative effects. It is expected the larger channel can safely convey the increase in flows, but this must be demonstrated during the project design phase.**

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

County **Harris** Watershed HUC# (if known) **120401010502,120401040704**

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

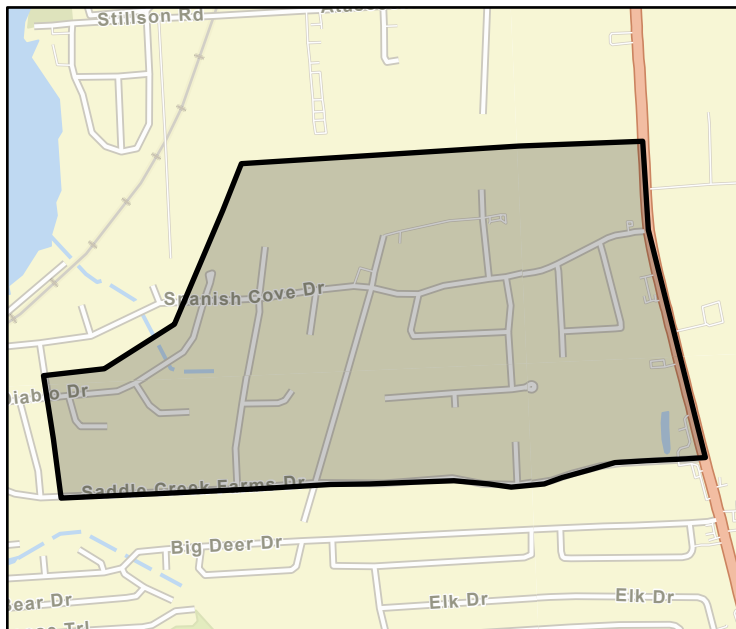
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **-**

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

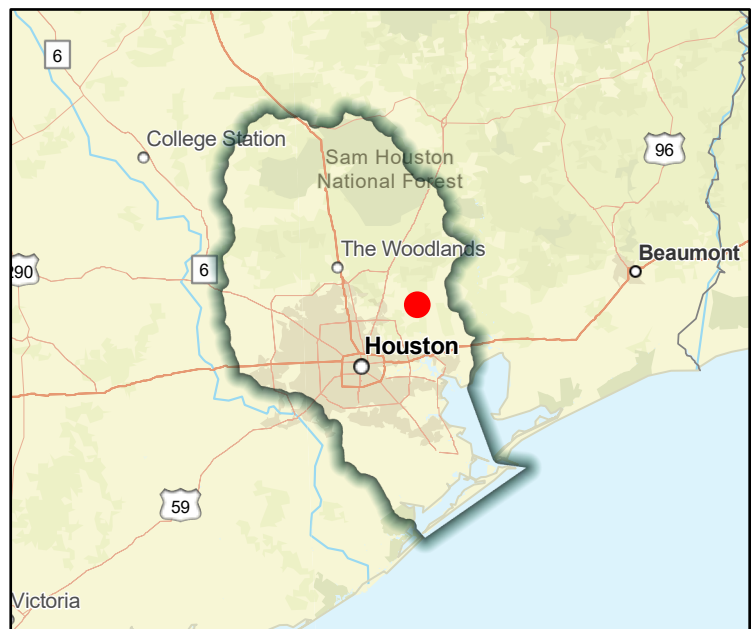
Estimated Cost and Funding Availability

Total Cost **\$290,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Spring Creek - Construction of a Reservoir along Spring Creek

ID# 061000191

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 for design and construction of a future flood control dam and reservoir in the Spring Creek watershed

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris,Waller,Montgomery,Grimes

Watershed HUC# (if known) 120401040103,120401040104,120401040303,120401040401

Drainage area (Square miles, est.) 384

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 23,627

of structures 4,191

Critical facilities 44

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? Yes

Other? No

Farm/Ranch land impacted (acres) 232

Roadway(s) impacted (length) 106

Number of low water crossings 27

Historical road closures

27

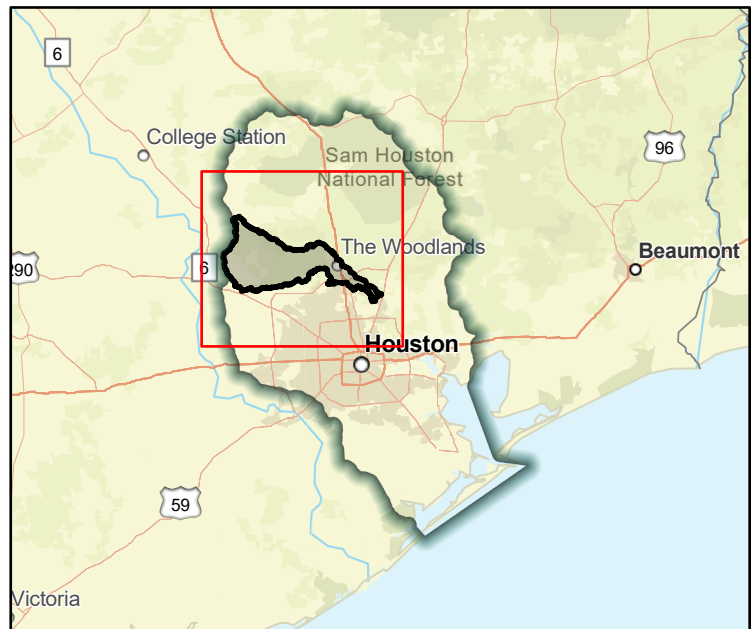
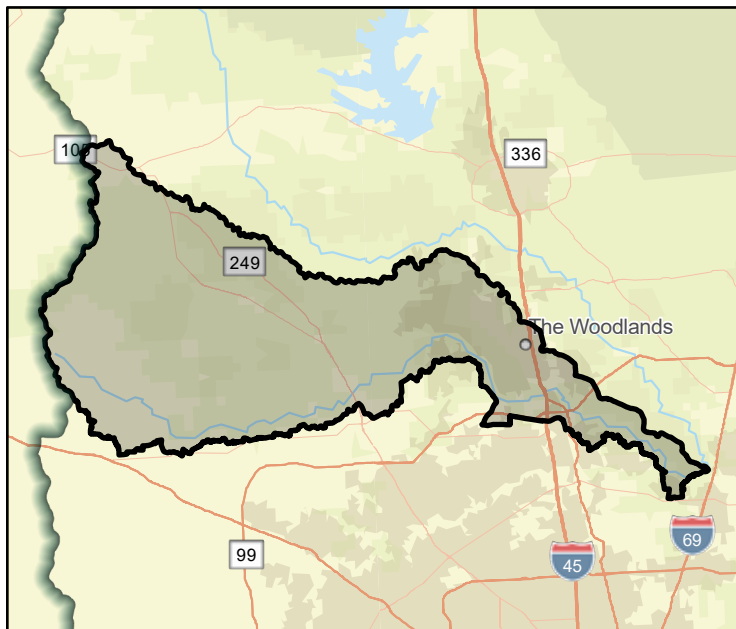
Estimated Cost and Funding Availability

Total Cost \$30,000

Amount of Available Funding -

Federal funding availability -

Funding source -



Flood Management Evaluation (FME)



Title Spring Creek Watershed Plan- Recommended Alternative for PA-02: J131-01-00
Storm Sewer improvements & channel modification

ID# 061000337

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. Channel modifications along J131-01 & storm sewer improvements under Zion Road, reduces sheetflow by providing positive drainage outfall for ~200 ac of land.

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

County Harris Watershed HUC# (if known) 120401020209

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

100-Year Flood Risk Summary

Population at risk 7 # of structures 6 Critical facilities 0

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

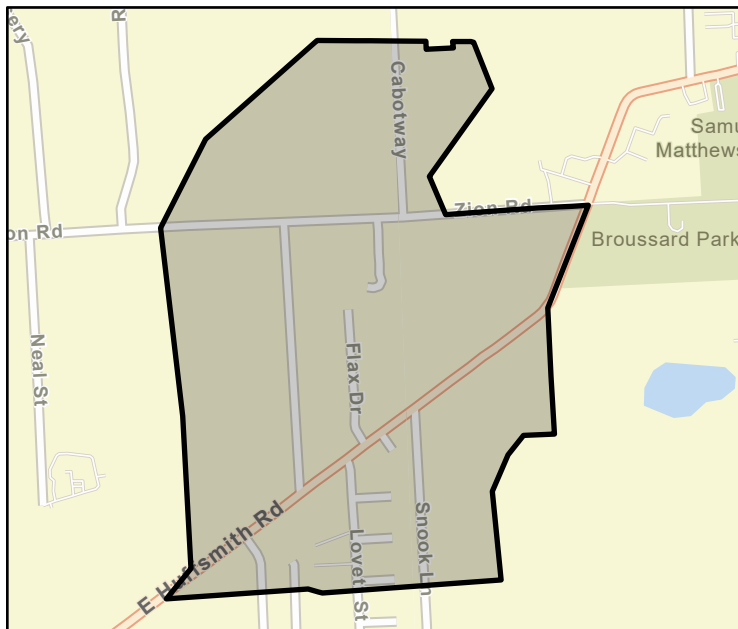
Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) 0

Number of low water crossings 1 Historical road closures 1

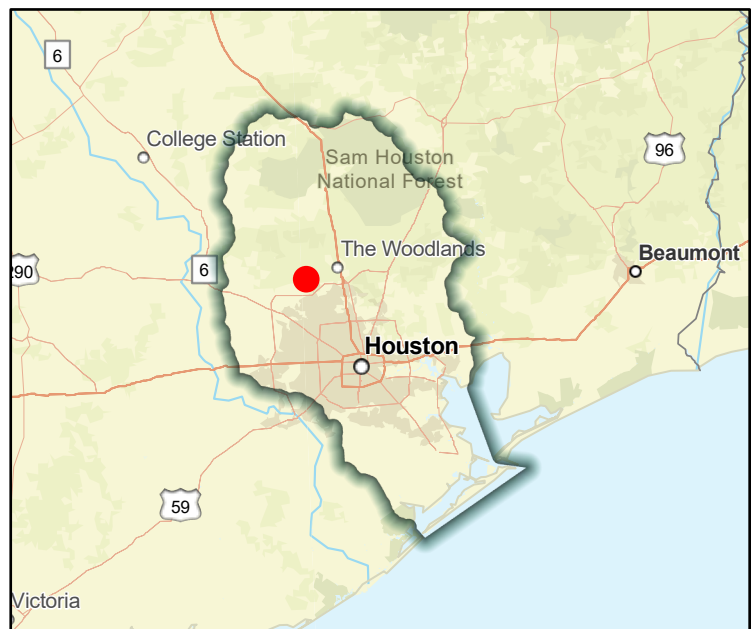
Estimated Cost and Funding Availability

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

Funding source Harris County, City of Tomball, Flood Control District and



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Spring Gully Watershed Planning Project- Near-term Planning Project: PA04

ID# 061000171

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Planning-level study. Lowering WSEL in O203-00-00 to around 29 feet MSL. Most benefit when O203-00-00 and Thompson Road Storm drain system upsized, but Thompson road storm drain design.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401040705,120401040706,120401040704,120402030105,120402030

Drainage area (Square miles, est.) 35

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 9,371

of structures 1,883

Critical facilities 64

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 73

Roadway(s) impacted (length) 33

Number of low water crossings 1

Historical road closures

1

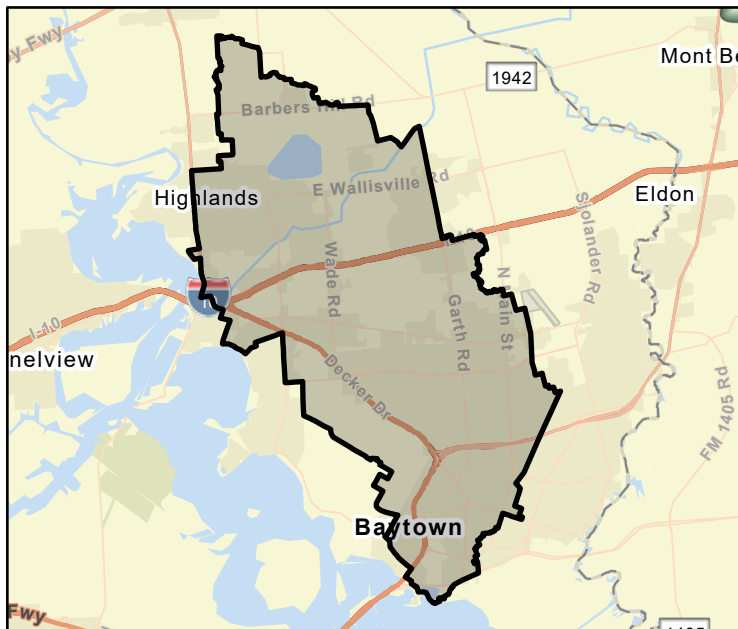
Estimated Cost and Funding Availability

Total Cost \$800,000

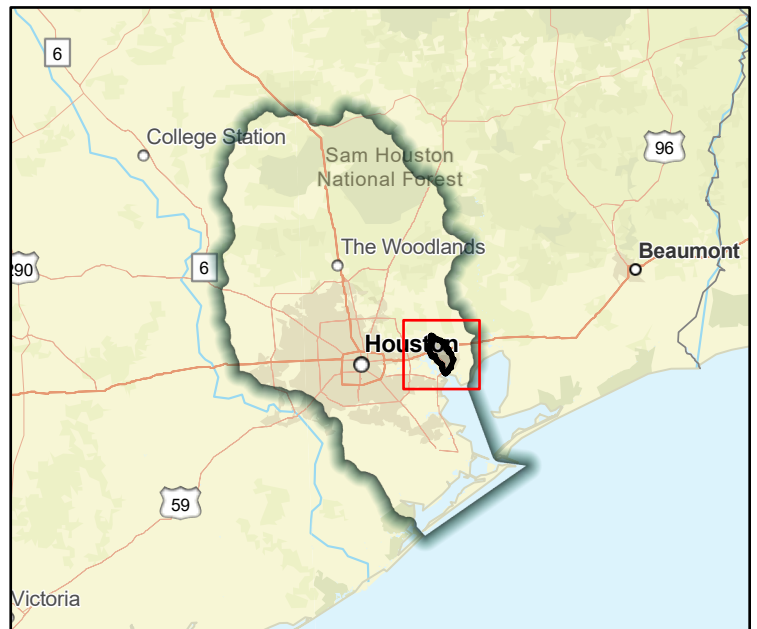
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Spring Gully Watershed Planning Project- Project Phase I

ID# 061000345

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 Develop BCA to become FMP. 108 ac-ft of detention storage. Basin A w/ 95 ac-ft of storage, 10 ft depth, inlet & outlet structures consist of 2 culverts & weir. Basin B w/ 13 ac-ft of storage, 10.5 ft depth, inlet & outlet structures of culvert & weir.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401040705

Drainage area (Square miles, est.) 3

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 917

of structures 346

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) 2

Number of low water crossings 0

Historical road closures

0

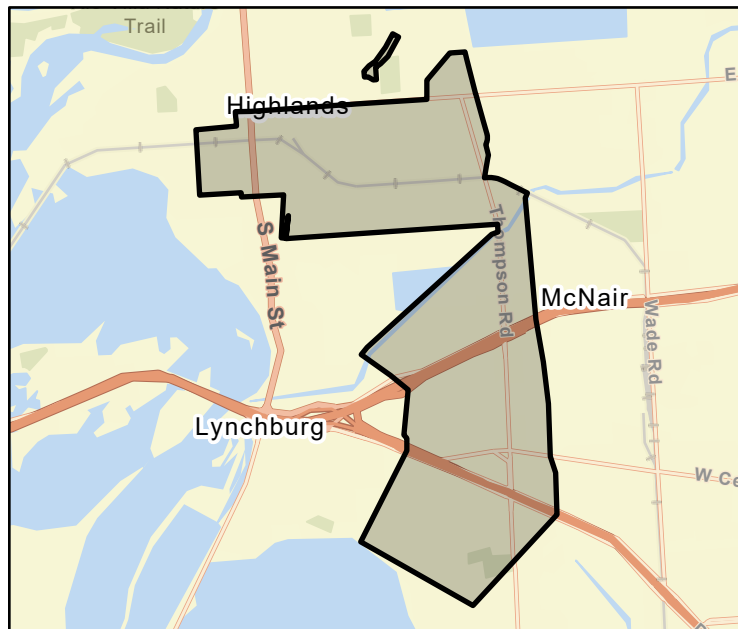
Estimated Cost and Funding Availability

Total Cost \$30,000

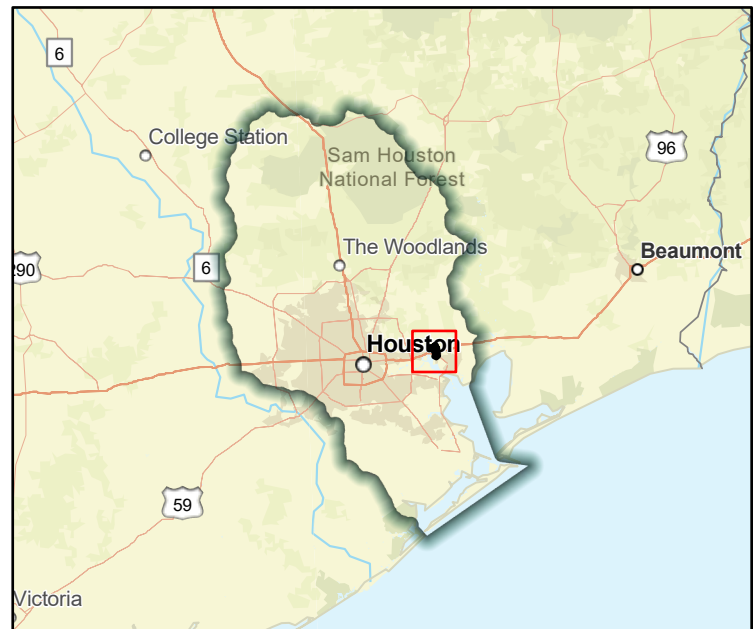
Amount of Available Funding -

Federal funding availability -

Funding source HCFC



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title	Spring Gully Watershed Planning Project- Project Phase II
ID#	061000346
Sponsor (name of entity, not person)	Harris County Flood Control District
RFPG recommend?	-
Reason for Recommendation	-

Study Details

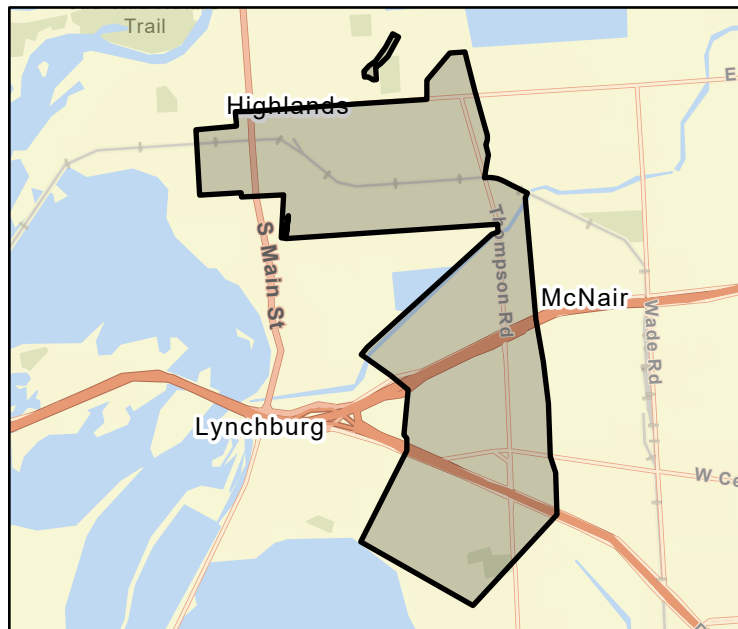
Study type	Project Planning				
Study description	Develop BCA to become a FMP. Independent of Phase I. Phase II includes addition of Stormwater Detention Basin C, with 80 acre-feet of detention storage w/ 9.5 ft depth & an inlet and outlet structure consisting of a culvert & a weir.				
New Hydrologic or Hydraulic model?	-	Emergency Need?	-	Existing/Anticipated models in near term?	-
County	Harris	Watershed HUC# (if known)	120401040705		
Drainage area (Square miles, est.)	3	Goal(s)	06000001,06000011,06000012,06000015		

100-Year Flood Risk Summary

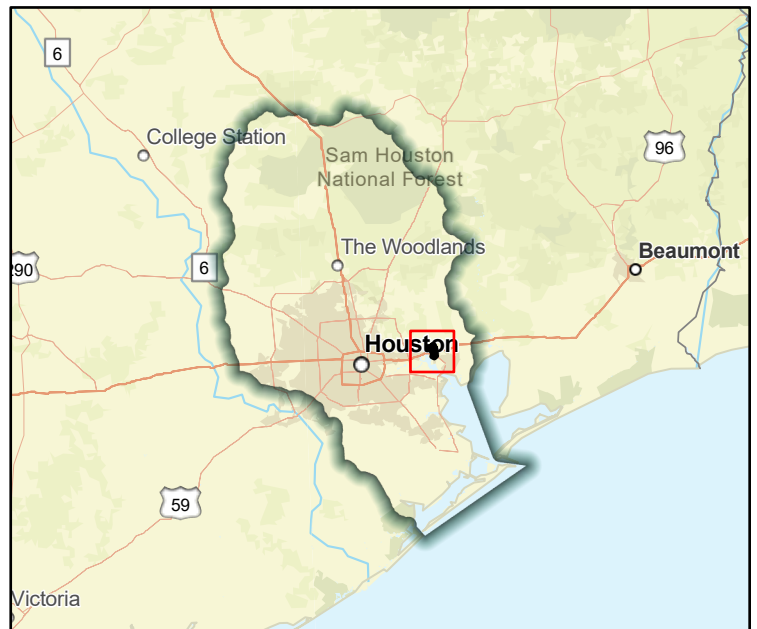
Population at risk	917	# of structures	346	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	-	Roadway(s) impacted (length)	2		
Number of low water crossings	0	Historical road closures	0		

Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Spring Gully Watershed Planning Project- Project Phase III

ID# 061000347

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 Complete after phase 2. Relief channel intended to outfall into Stormwater Detention Basin C from Phase 2. Consists of trapezoidal 850-foot channel with cross culvert sized at Prairie Street. Upstream of the culvert crossing, the bottom width is 8 ft.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401040705

Drainage area (Square miles, est.) 3

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 917

of structures 346

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) 2

Number of low water crossings 0

Historical road closures

0

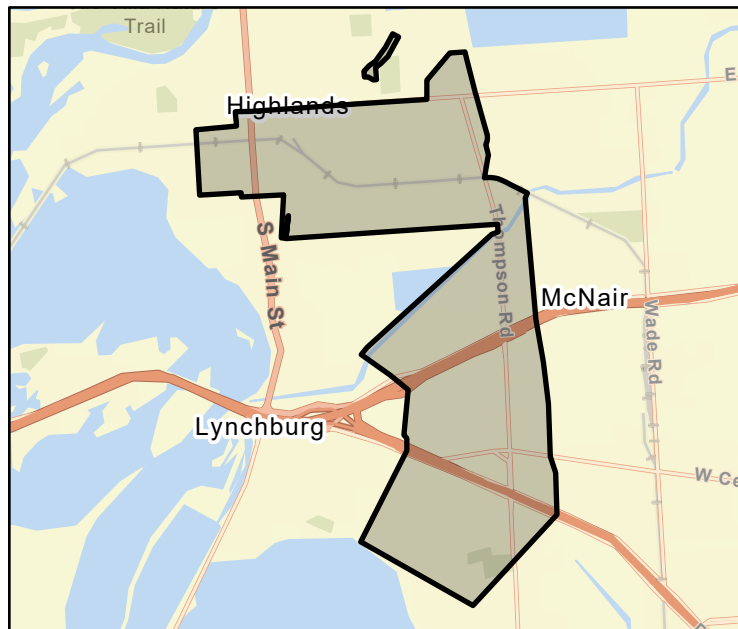
Estimated Cost and Funding Availability

Total Cost \$30,000

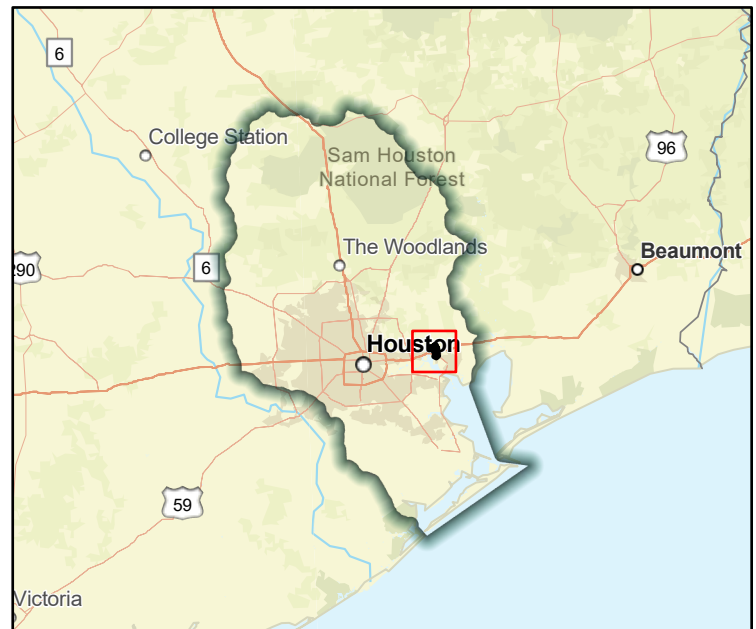
Amount of Available Funding -

Federal funding availability -

Funding source Harris County



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Spring Gully Watershed Planning Project - Near-term planning project: PA05

ID# 061000172

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Planning-level study needed. A stormwater detention basin near confluence of O207-00-00 and O207-01-00 required to lower WSEL. Reduced flow rates only after relief channel in Phase III implemented.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401040705,120401040706,120401040704,120402030105,120402030

Drainage area (Square miles, est.) 35

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 9,371

of structures 1,883

Critical facilities 64

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 73

Roadway(s) impacted (length) 33

Number of low water crossings 1

Historical road closures

1

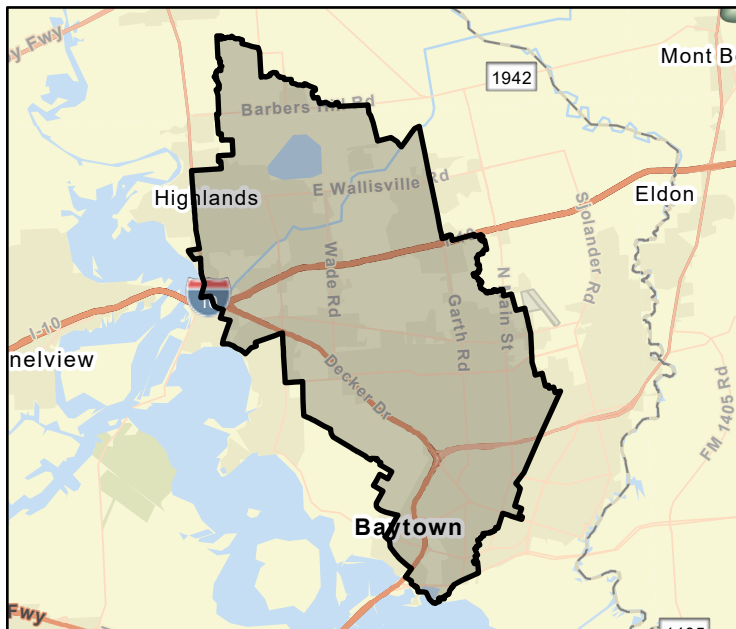
Estimated Cost and Funding Availability

Total Cost \$700,000

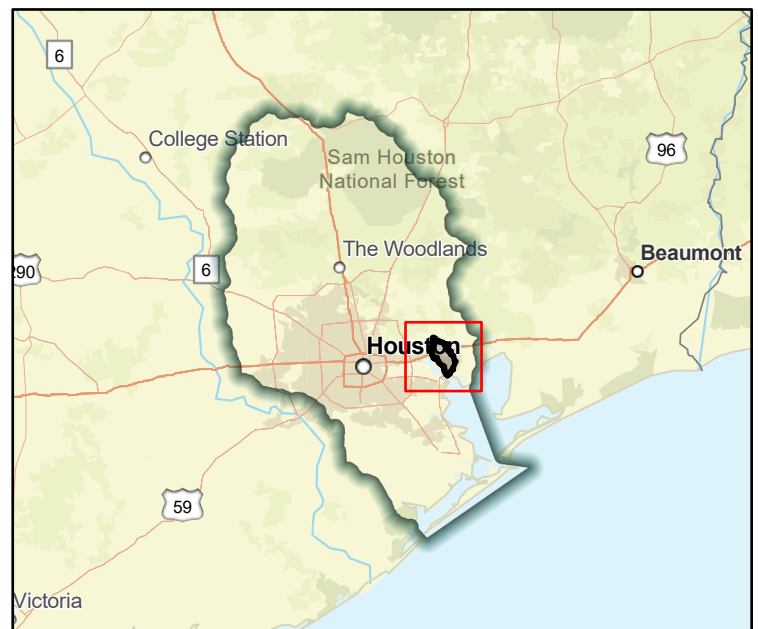
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Spring Gully Watershed Planning Project Near-Term Planning Project: PA03

ID# 061000170

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Planning-level study needed. PA03 warranted a near-term solution. Flooded structures centralized in a short reach along the main stem O200-00-00 which the best strategy for the area was buyouts.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401040705,120401040706,120401040704,120402030105,120402030

Drainage area (Square miles, est.) 35

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 9,371

of structures 1,883

Critical facilities 64

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 73

Roadway(s) impacted (length) 33

Number of low water crossings 1

Historical road closures

1

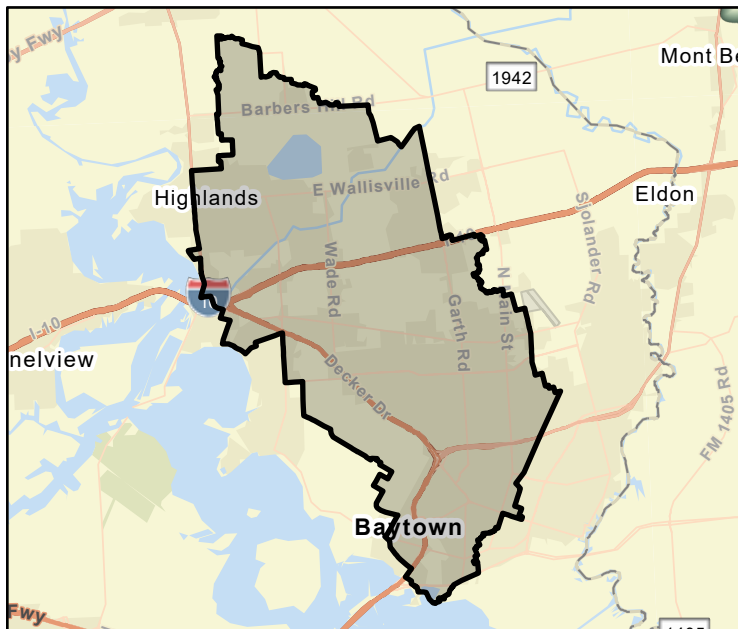
Estimated Cost and Funding Availability

Total Cost \$700,000

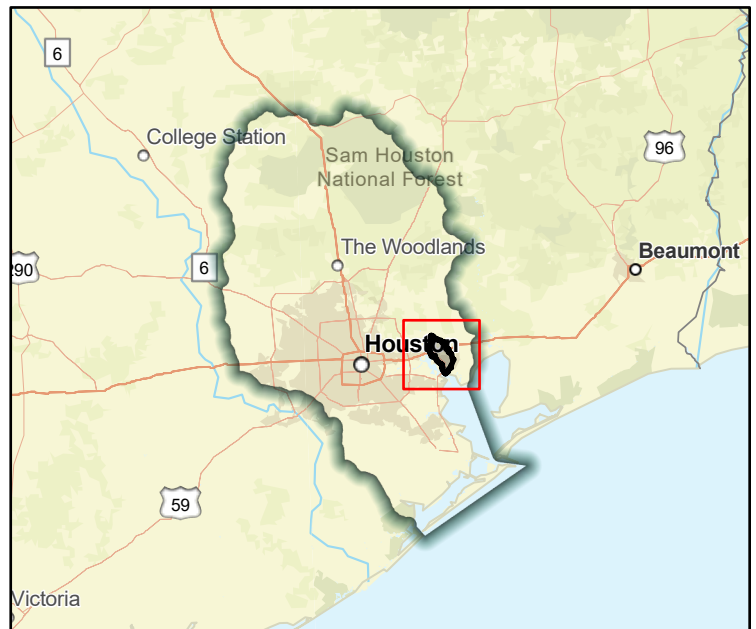
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Spring Shadows South

ID# 061000433

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 Benefit Cost Analysis 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 Harris

Watershed HUC# (if known) 120401040302,120401040303

Drainage area (Square miles, est.) 6

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 4,553

of structures 1,006

Critical facilities 6

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) -

Roadway(s) impacted (length) 12

Number of low water crossings 0

Historical road closures

0

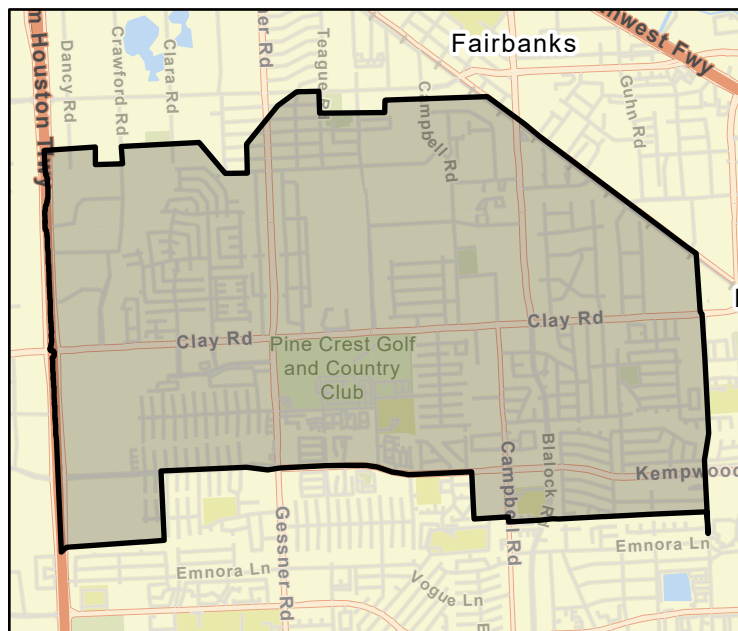
Estimated Cost and Funding Availability

Total Cost \$30,000

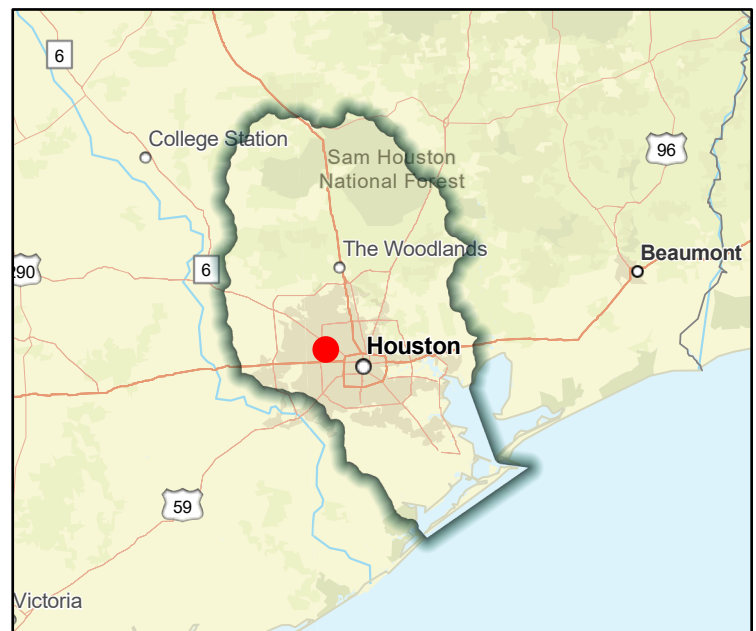
Amount of Available Funding -

Federal funding availability -

Funding source Unknown



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Storm water detention ponds & Widening of drainage systems feasibility study

ID# 061000107

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Study of area to identify problem areas and recommend flood mitigation alternatives that considere detention ponds & widening drainage systems.

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

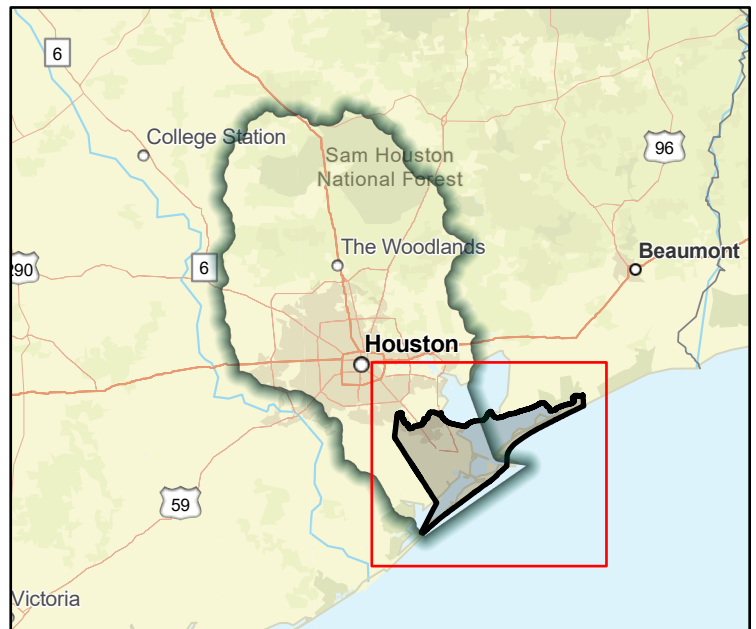
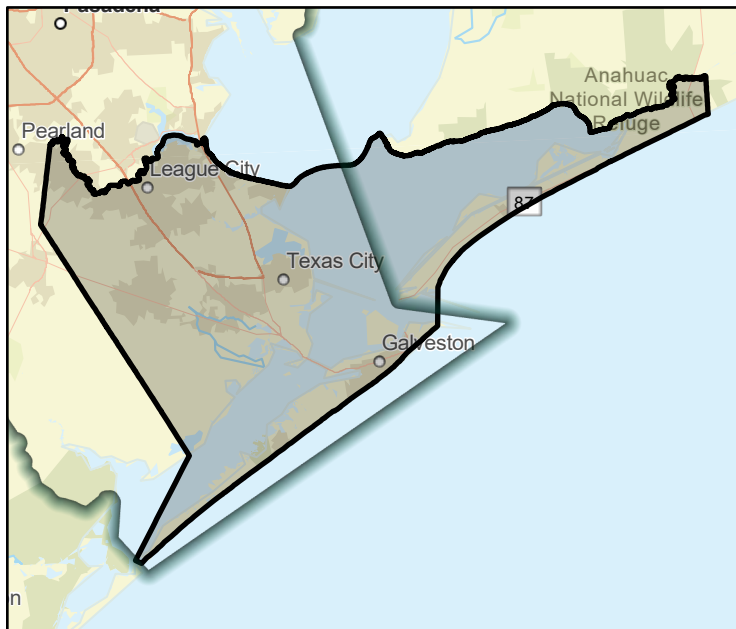
Estimated Cost and Funding Availability

Total Cost \$550,000

Amount of Available Funding -

Federal funding availability -

Funding source -



Flood Management Evaluation (FME)



Title Storm Water Detention Ponds Evalution in the City of Santa Fe

ID# 061000164

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 determine detention ponds/basin could be solution for addressing flood impacts

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

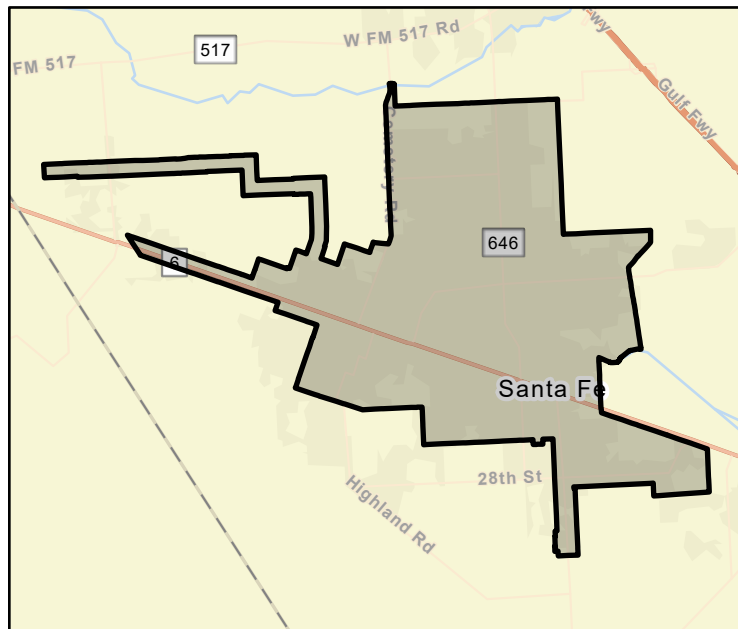
Estimated Cost and Funding Availability

Total Cost \$300,000

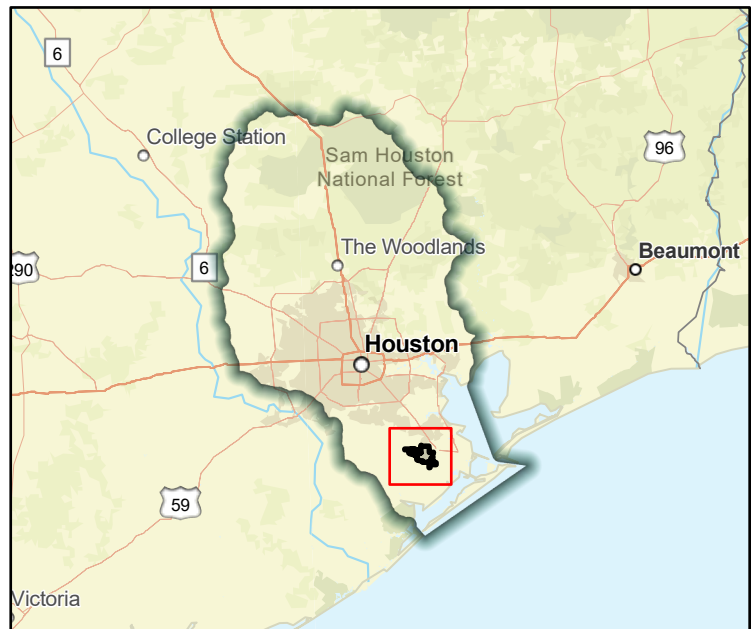
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Stormwater Drainage Improvement- Bradshaw Rd

ID# 061000118

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Further study of proposed slope paving (concrete lining) improvements. Southwest from SH 3 to the north line of CCISD's Elem. School #25. Pending Funding

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

County Galveston,Harris Watershed HUC# (if known) 120402040200,120402040100

Drainage area (Square miles, est.) 53 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 20,978 # of structures 5,251 Critical facilities 25

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

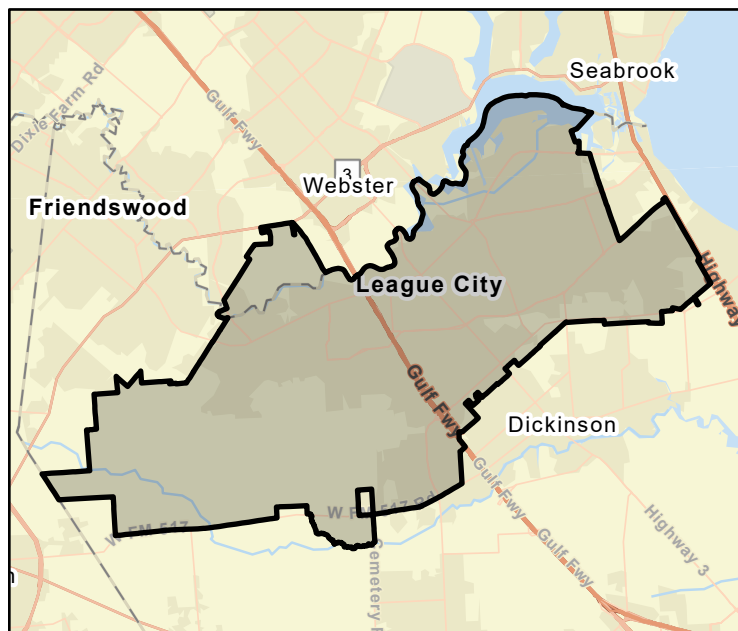
Farm/Ranch land impacted (acres) 1,308 Roadway(s) impacted (length) 105

Number of low water crossings 2 Historical road closures 2

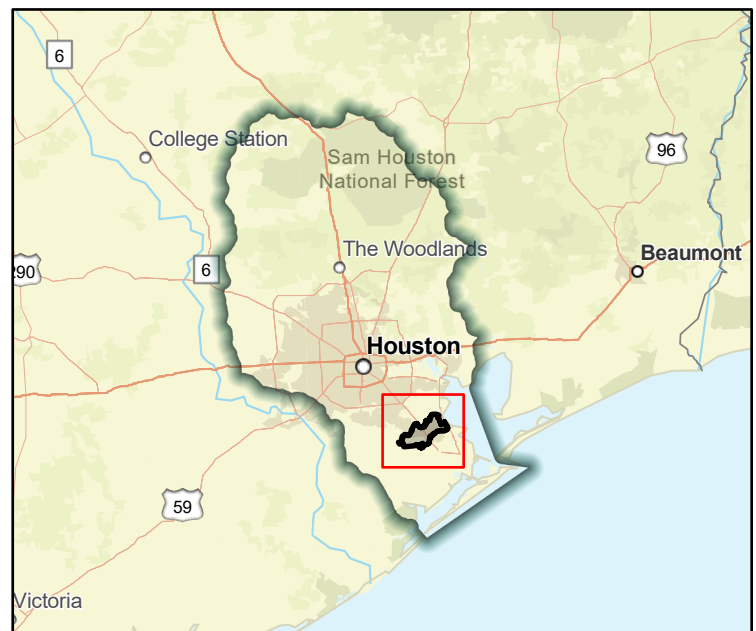
Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Stormwater Drainage Improvement- Nottingham ditch

ID# 061000115

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

RFPG recommend? -

Reason for Recommendation -

Study Details

Study type Project Planning

Study description Further study of proposed slope paving (concrete lining) improvements. Still in planning, consultant hired. Design complete and pending construction funding.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Galveston,Harris

Watershed HUC# (if known) 120402040200,120402040100

Drainage area (Square miles, est.) 53

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 20,978

of structures 5,251

Critical facilities 25

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1,308

Roadway(s) impacted (length) 105

Number of low water crossings 2

Historical road closures

2

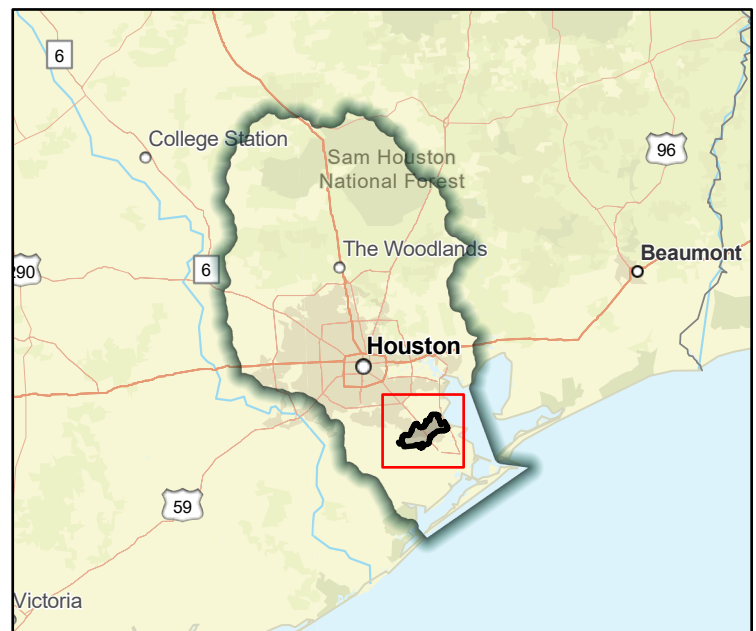
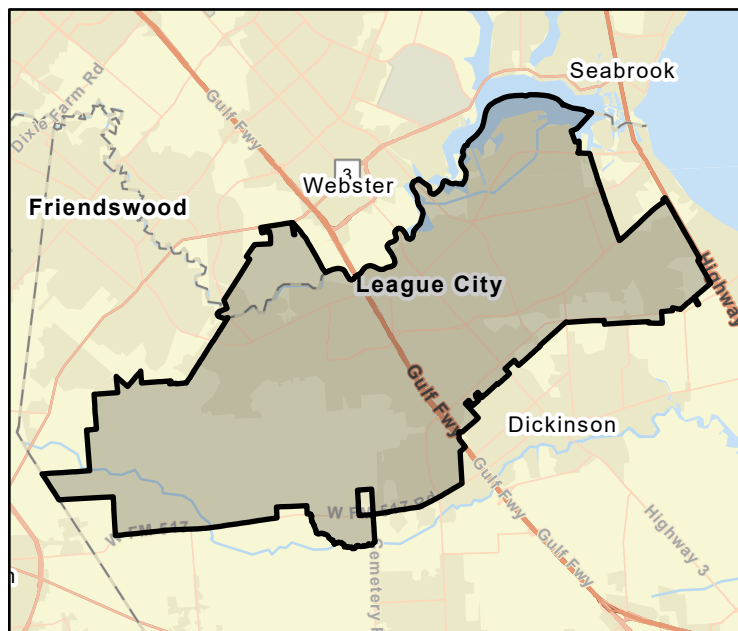
Estimated Cost and Funding Availability

Total Cost \$100,000

Amount of Available Funding -

Federal funding availability -

Funding source -



Flood Management Evaluation (FME)



Title Stream and River Flood Program

ID# 061000082

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

RFPG recommend? -

Reason for Recommendation -

Study Details

Study type Preparedness

Study description Conduct flood mitigation outreach program using information from river and stream flood study. Awareness of specific stream and river flooding problems in their communities, and will provided guidance on how to mitigate flooding in their jurisdiction.

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) 06000001,06000007,06000010,06000015

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

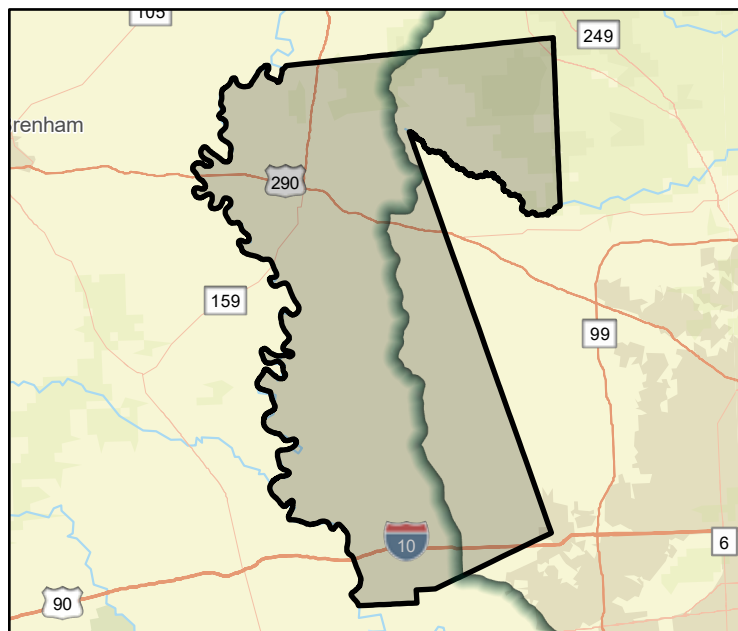
Estimated Cost and Funding Availability

Total Cost \$20,000

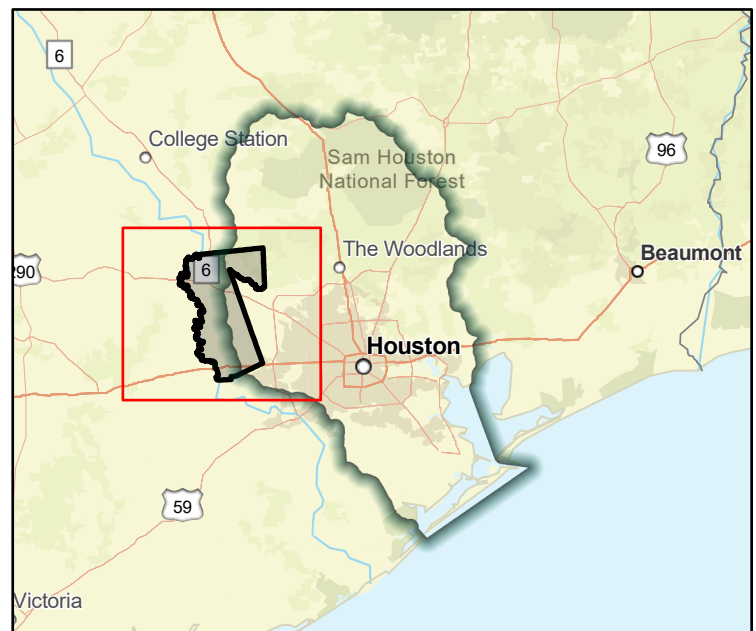
Amount of Available Funding -

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 Study of Texas City Hurricane Flood Protection Project

ID# 061000098

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Corp of Engineers study of the Texas City Hurricane Flood Protection Project to improve the current levee system to provide protection from category 5 storm.

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

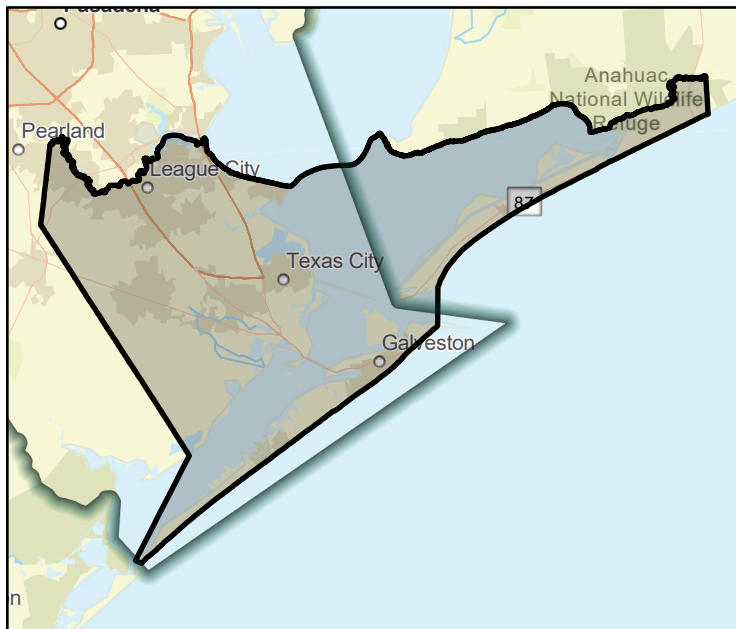
Estimated Cost and Funding Availability

Total Cost \$11,000,000

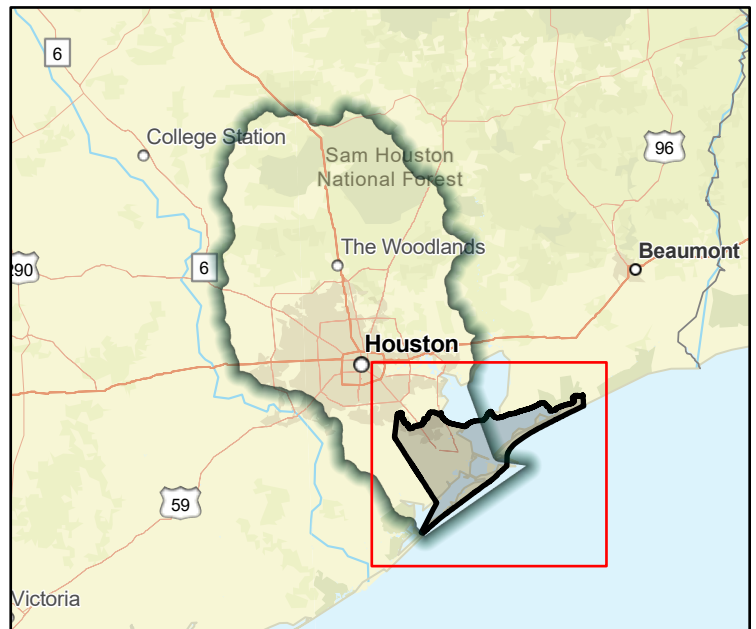
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Sunmeadow Drainage Improvements Phase 2

ID# 061000104

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Further study of component of 1993 master Drainage Plan Phase 1. Initial phase of project completed in 2005. Upsizing storm sewer system to reduce potential flooding. Include Atlas 14 rainfalls

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

County Liberty Watershed HUC# (if known) 120401030402

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

100-Year Flood Risk Summary

Population at risk 589 # of structures 363 Critical facilities 1

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

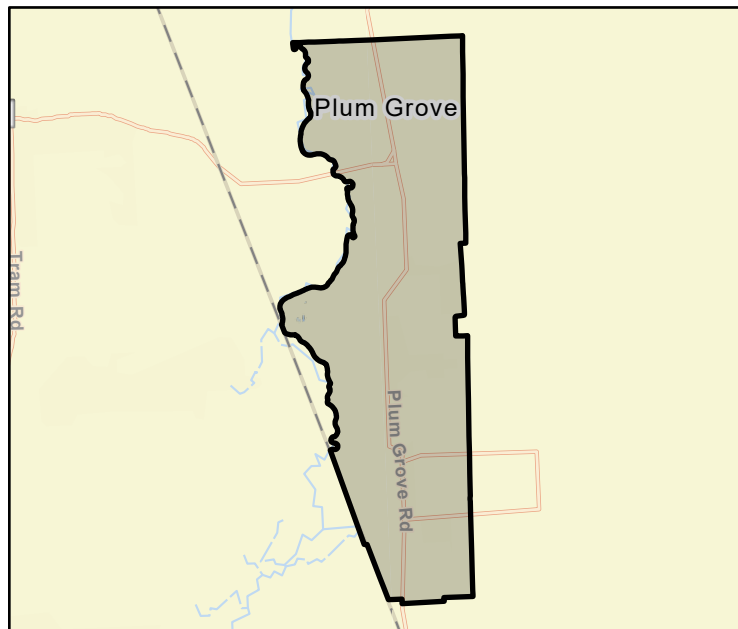
Farm/Ranch land impacted (acres) 9 Roadway(s) impacted (length) 9

Number of low water crossings 0 Historical road closures 0

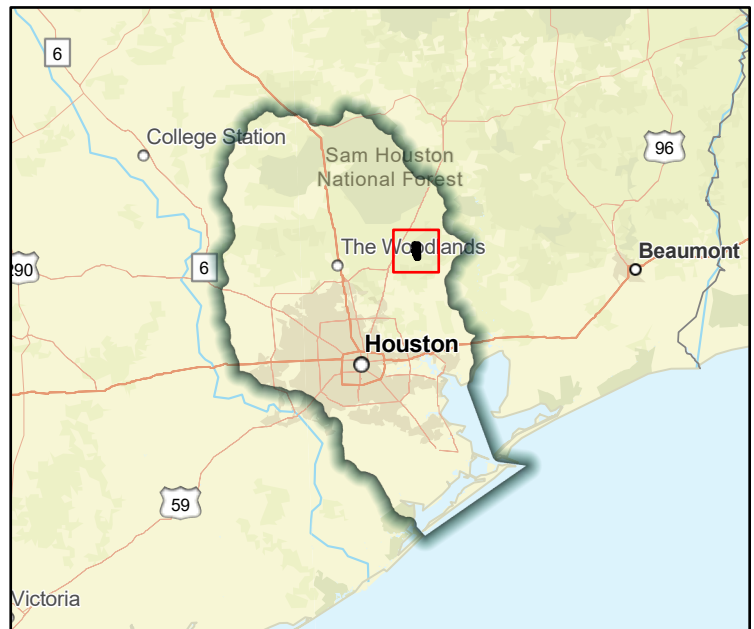
Estimated Cost and Funding Availability

Total Cost \$160,000 Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title TC Jester Detention Basin

ID# 061000353

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. Construction of a 25 acre stormwater detention basin. Estimated construction cost is \$10,047,910. this application is requesting \$10,000,000.00 of these funds.

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

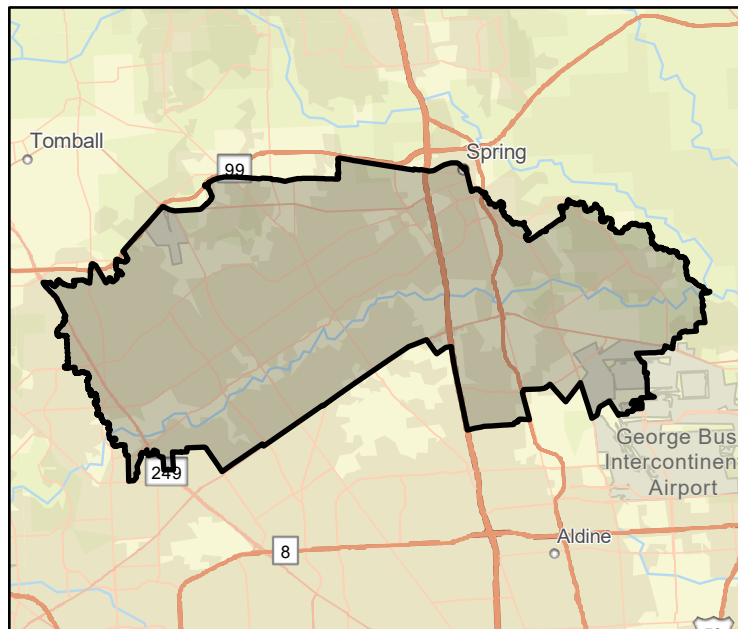
Estimated Cost and Funding Availability

Total Cost \$30,000

Amount of Available Funding -

Federal funding availability -

Funding source CDBG-MIT



FME Area



Regional view of FME area