

Flood Management Evaluation (FME)



Title **City of Sugar Land Master Drainage Plan**

ID# **061000289**

Sponsor (name of entity, not person) **Sugar Land (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 **Fort Bend** Watershed HUC# (if known) **120401040401**

Drainage area (Square miles, est.) **43** 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**

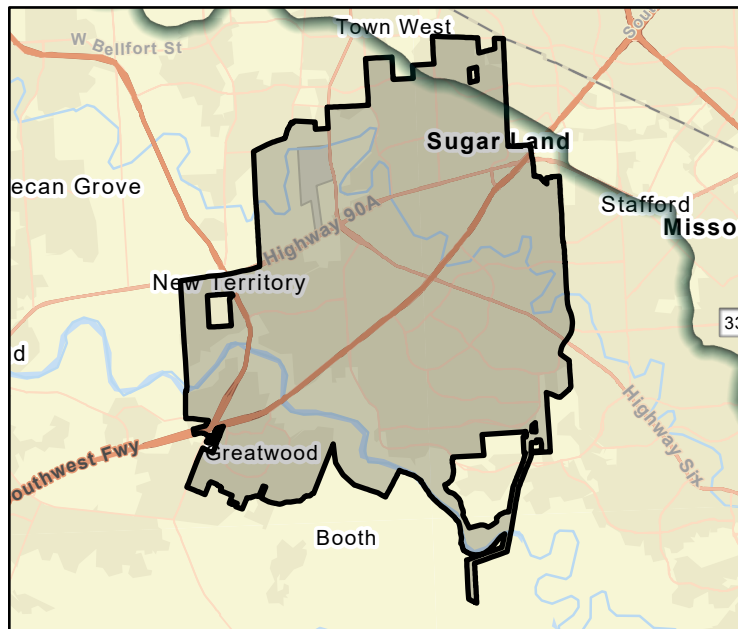
Farm/Ranch land impacted (acres) **-** Roadway(s) impacted (length) **0**

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

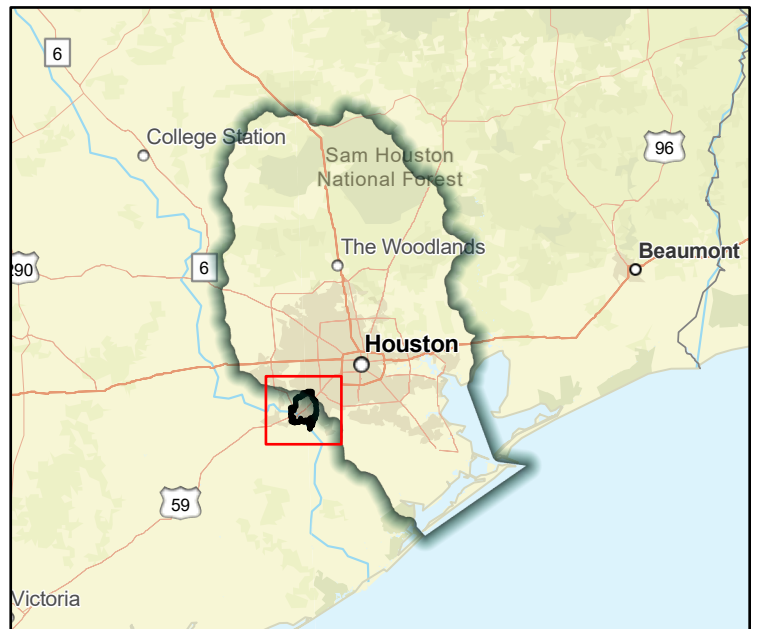
Estimated Cost and Funding Availability

Total Cost **\$800,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title City of Taylor Lake Village Master Drainage Plan

ID# 061000290

Sponsor (name of entity, not person) Taylor Lake Village (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 Harris Watershed HUC# (if known) 120402040100

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

100-Year Flood Risk Summary

Population at risk 2,000 # of structures 852 Critical facilities 0

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

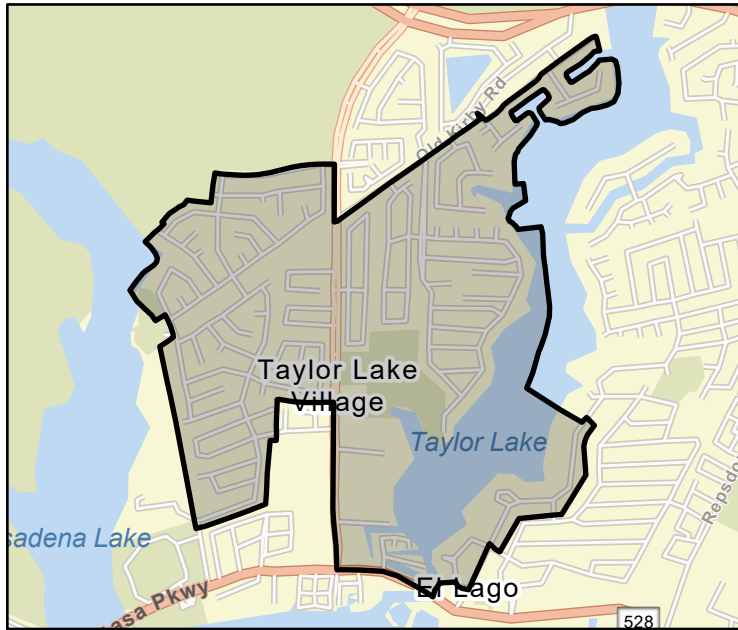
Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) 13

Number of low water crossings 0 Historical road closures 0

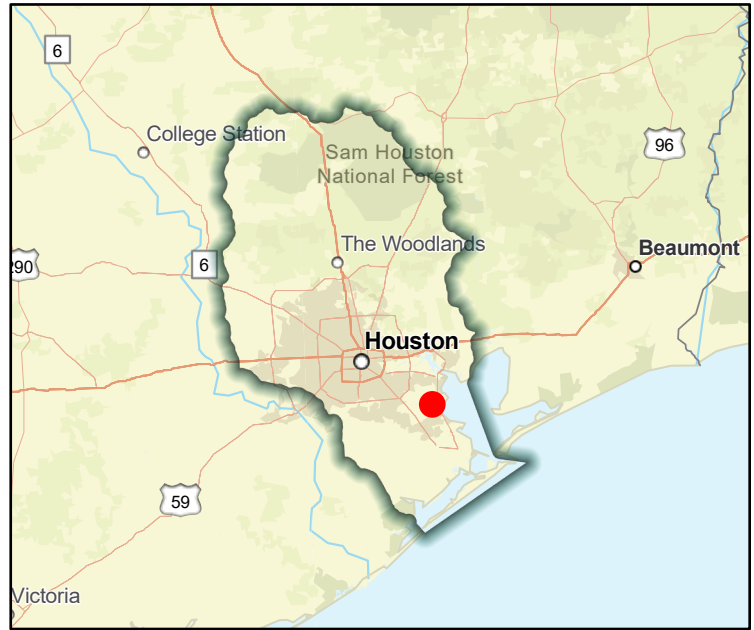
Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



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REGION 6

Title City of Texas City Master Drainage Plan

ID# 061000291

Sponsor (name of entity, not person) Texas City (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 Galveston,Chambers Watershed HUC# (if known) 120402040200

Drainage area (Square miles, est.) 185 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 3,595 # of structures 1,285 Critical facilities 16

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

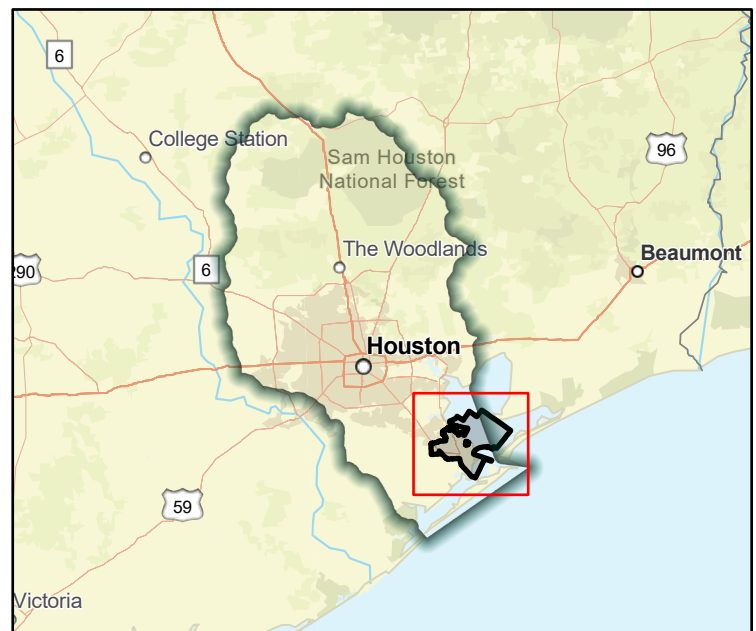
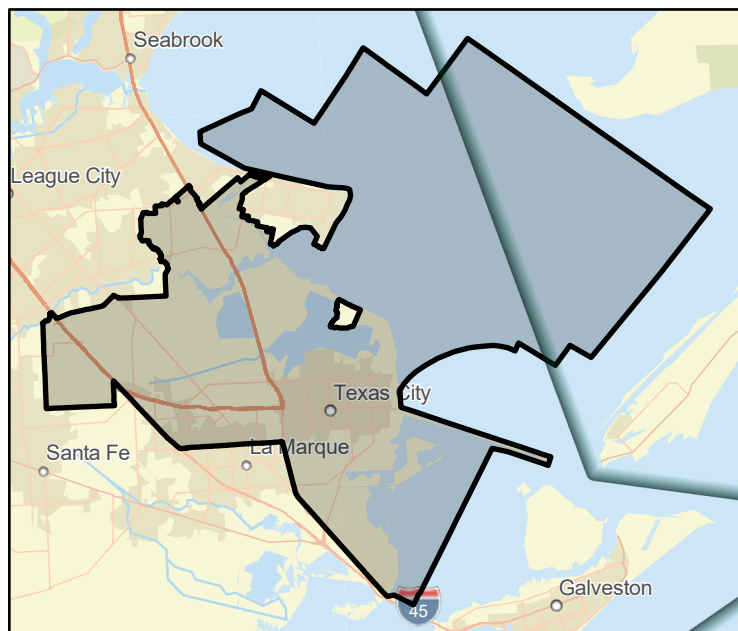
Farm/Ranch land impacted (acres) 570 Roadway(s) impacted (length) 46

Number of low water crossings 3 Historical road closures 3

Estimated Cost and Funding Availability

Total Cost \$860,000 Amount of Available Funding - Federal funding availability -

Funding source -



Flood Management Evaluation (FME)



Title **City of Tiki Island Master Drainage Plan**

ID# **061000292**

Sponsor (name of entity, not person) **Tiki Island (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 **Galveston** Watershed HUC# (if known) **120402040200**

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

100-Year Flood Risk Summary

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

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

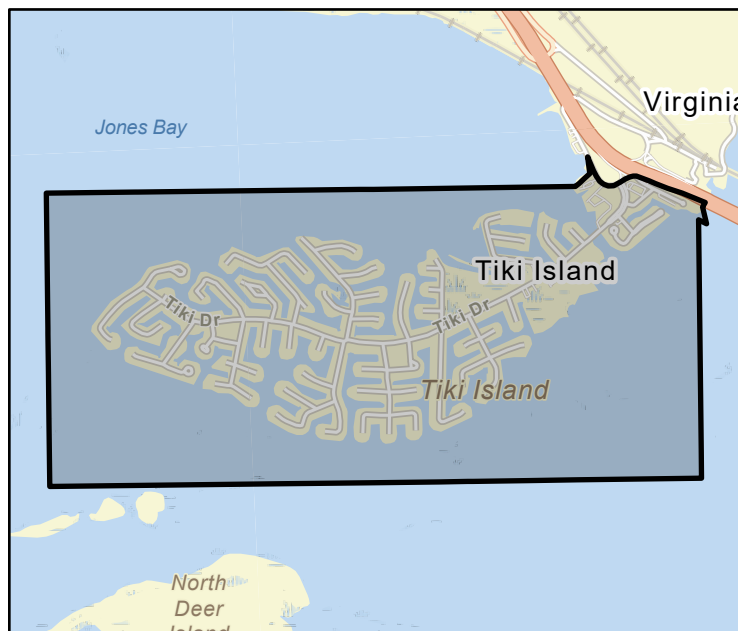
Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **10**

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

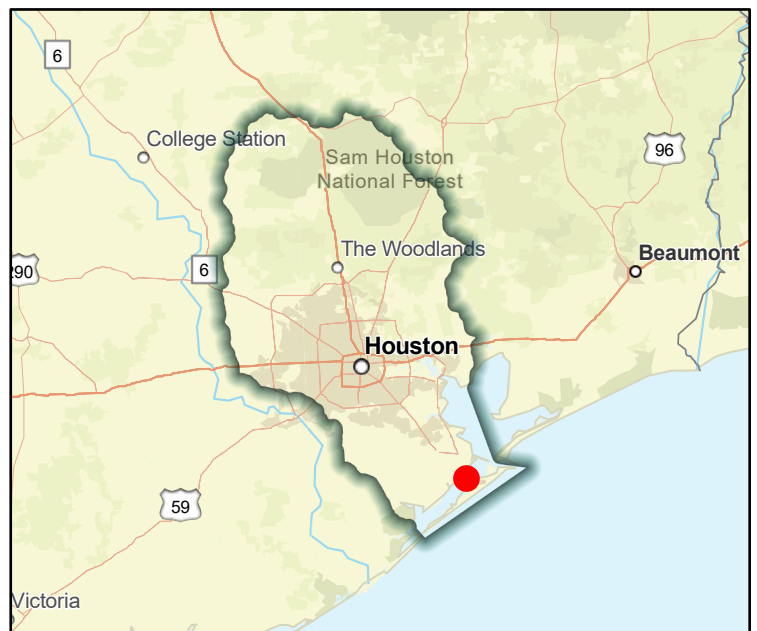
Estimated Cost and Funding Availability

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

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Todd Mission Master Drainage Plan**

ID# **061000293**

Sponsor (name of entity, not person) **Todd Mission (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 **Grimes** Watershed HUC# (if known) **120401020203,120401020206**

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

100-Year Flood Risk Summary

Population at risk **19** # of structures **17** Critical facilities **0**

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

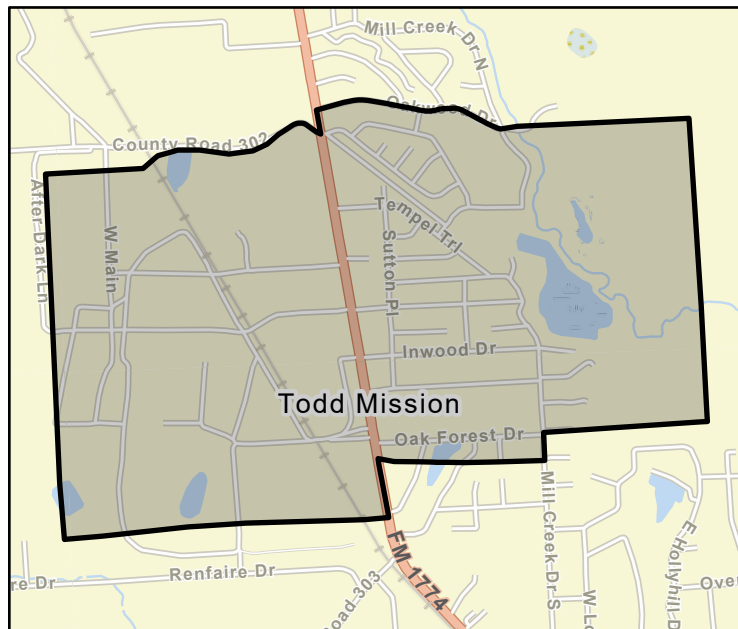
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **-**

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

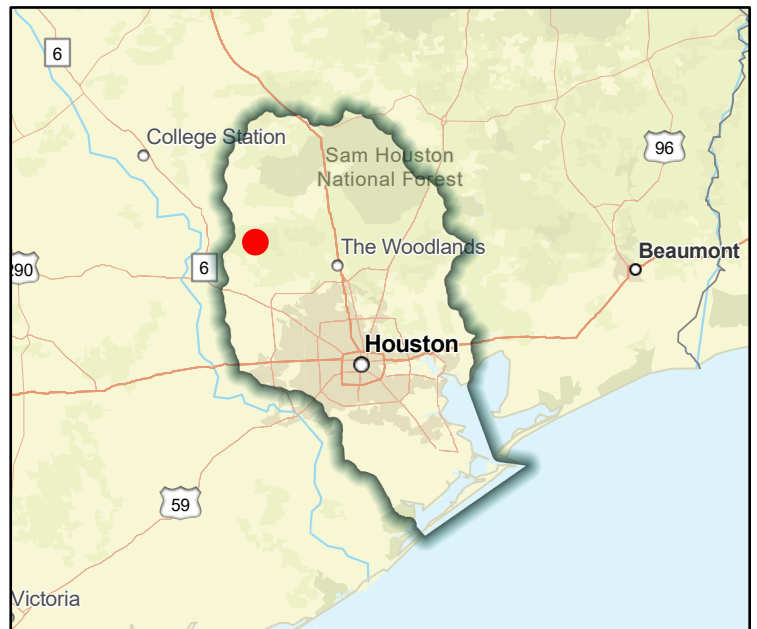
Estimated Cost and Funding Availability

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 City of Todd Mission Reduction of Floodplain Area Roads and Drainage Upgrade

ID# 061000143

Sponsor (name of entity, not person) Todd Mission (Municipality)

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Analysis of potential upgrades to be made to floodplain-area roads and drainage to reduce flood risk.

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

County Grimes Watershed HUC# (if known) 120401020203,120401020206

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

100-Year Flood Risk Summary

Population at risk 19 # of structures 17 Critical facilities 0

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

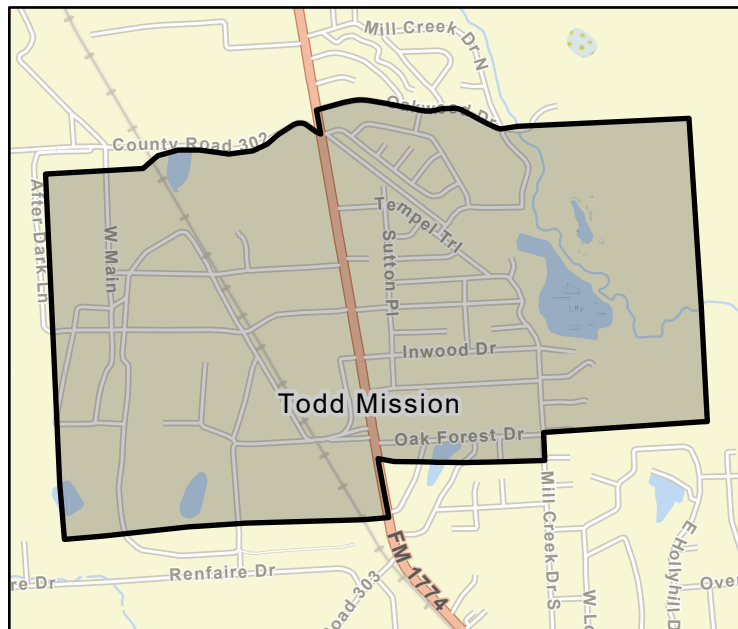
Farm/Ranch land impacted (acres) 1 Roadway(s) impacted (length) -

Number of low water crossings - Historical road closures -

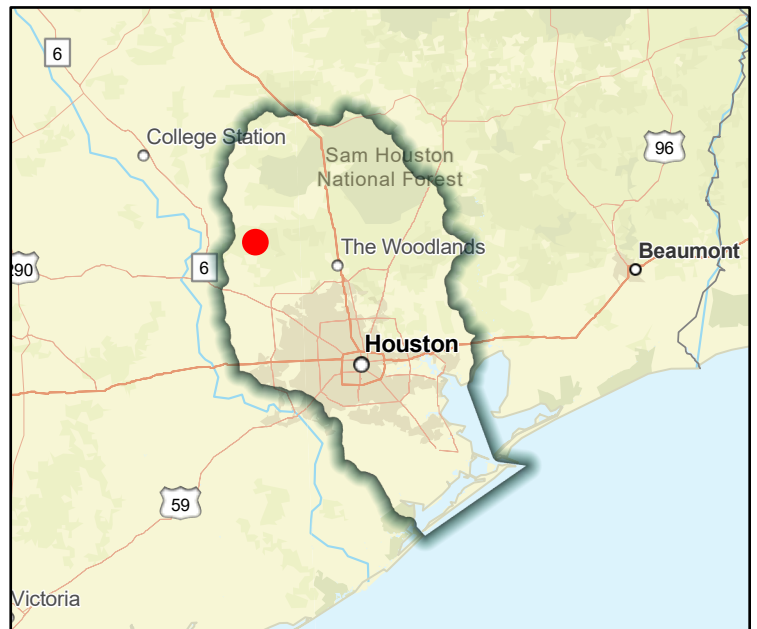
Estimated Cost and Funding Availability

Total Cost \$250,000 Amount of Available Funding - Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Tomball Master Drainage Plan**

ID# **061000294**

Sponsor (name of entity, not person) **Tomball (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 **Harris, Montgomery** Watershed HUC# (if known) **120401020106, 120401020205, 120401020210, 120401020209**

Drainage area (Square miles, est.) **13** Goal(s) **06000001, 06000011, 06000012, 06000015**

100-Year Flood Risk Summary

Population at risk **607** # of structures **47** Critical facilities **0**

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

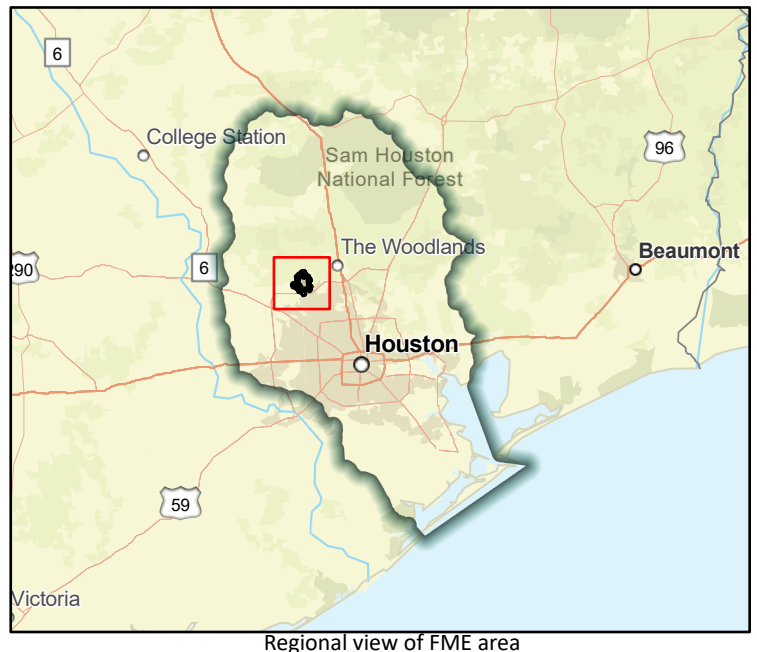
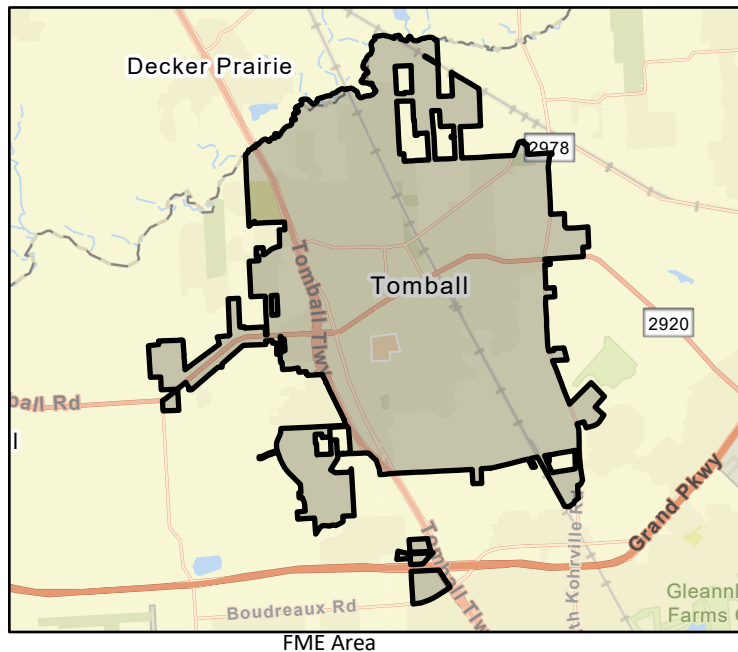
Farm/Ranch land impacted (acres) **5** Roadway(s) impacted (length) **4**

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

Estimated Cost and Funding Availability

Total Cost **\$300,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



Flood Management Evaluation (FME)



Title City of Tomball Drainage Improvements

ID# 061000373

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Study to the the drainage project for the City of Tomball is comprised of building storm sewer systems and channel conveyance to enable flood waters to be removed from portions of the city bounded by Holderrieth Road, SH 249, UPRR, and FM 2920.

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

County Harris, Montgomery Watershed HUC# (if known) 120401020106, 120401020205, 120401020210, 120401020209

Drainage area (Square miles, est.) 13 Goal(s) 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk 607 # of structures 47 Critical facilities 0

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

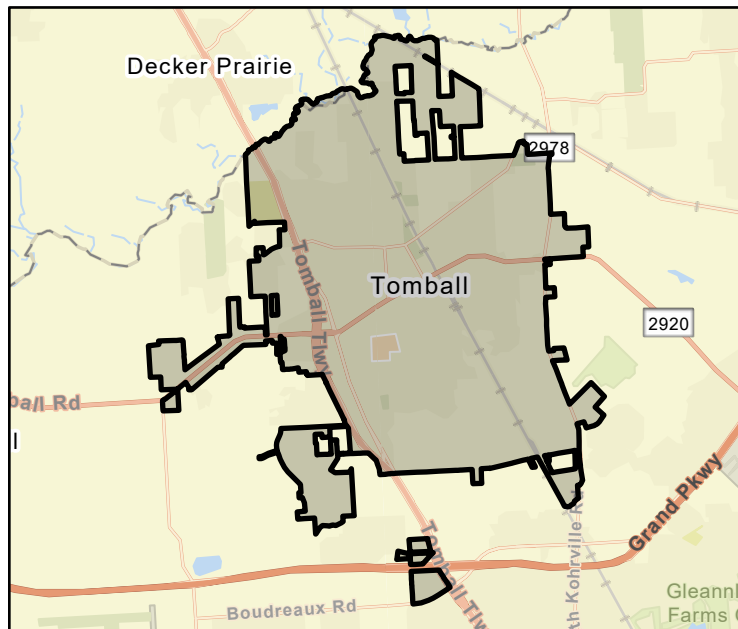
Farm/Ranch land impacted (acres) 5 Roadway(s) impacted (length) 4

Number of low water crossings 0 Historical road closures 0

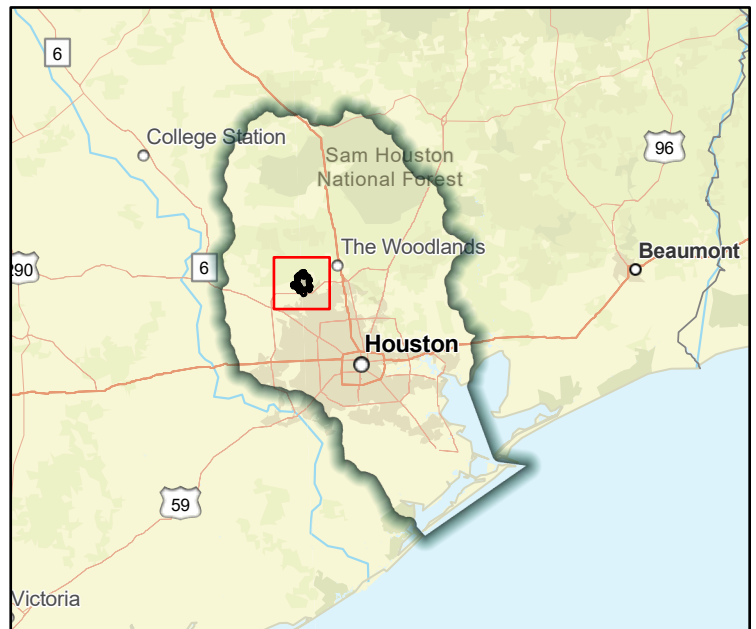
Estimated Cost and Funding Availability

Total Cost \$420,000 Amount of Available Funding - Federal funding availability -

Funding source CDBG-MIT



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **City of Waller Master Drainage Plan**

ID# **061000295**

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

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 **Harris,Waller** Watershed HUC# (if known) **120401020101,120401020105,120401020201**

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

100-Year Flood Risk Summary

Population at risk **666** # of structures **149** Critical facilities **4**

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

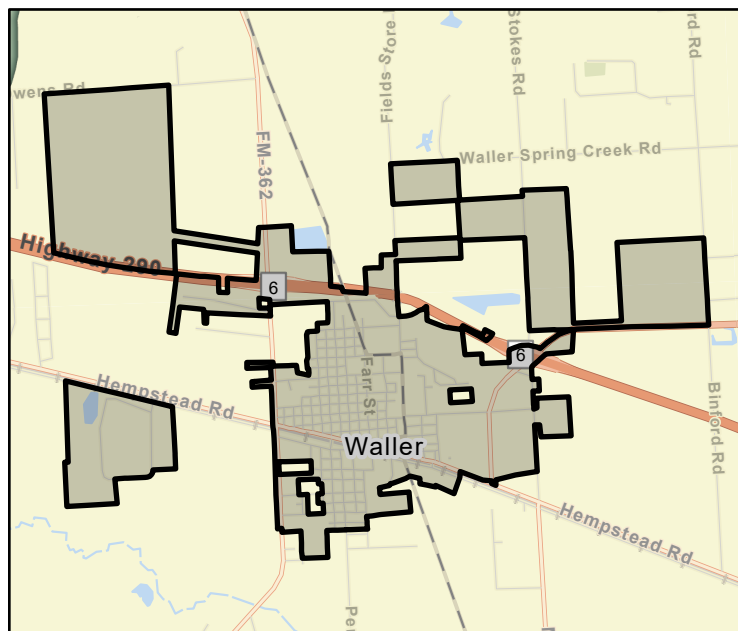
Farm/Ranch land impacted (acres) **48** Roadway(s) impacted (length) **5**

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

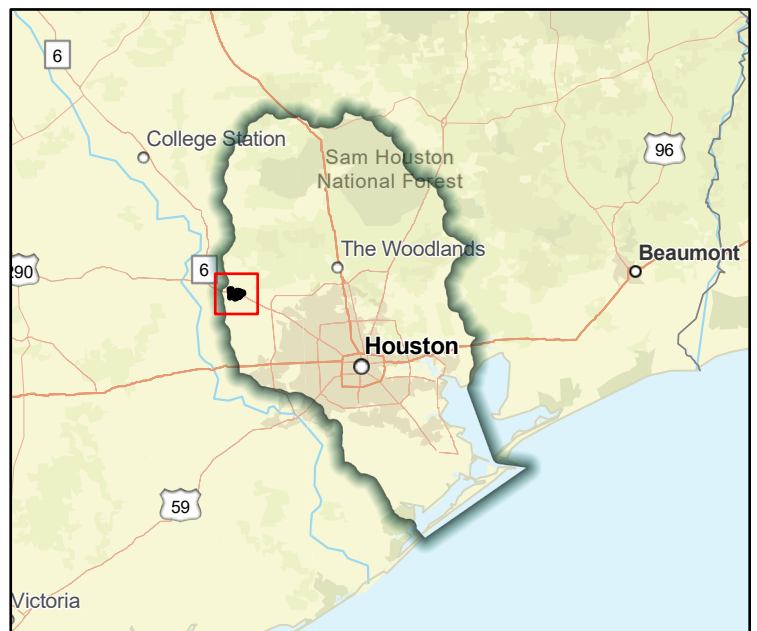
Estimated Cost and Funding Availability

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 City of Webster Master Drainage Plan

ID# 061000296

Sponsor (name of entity, not person) Webster (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 Harris Watershed HUC# (if known) 120402040100

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

100-Year Flood Risk Summary

Population at risk 2,809 # of structures 209 Critical facilities 0

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

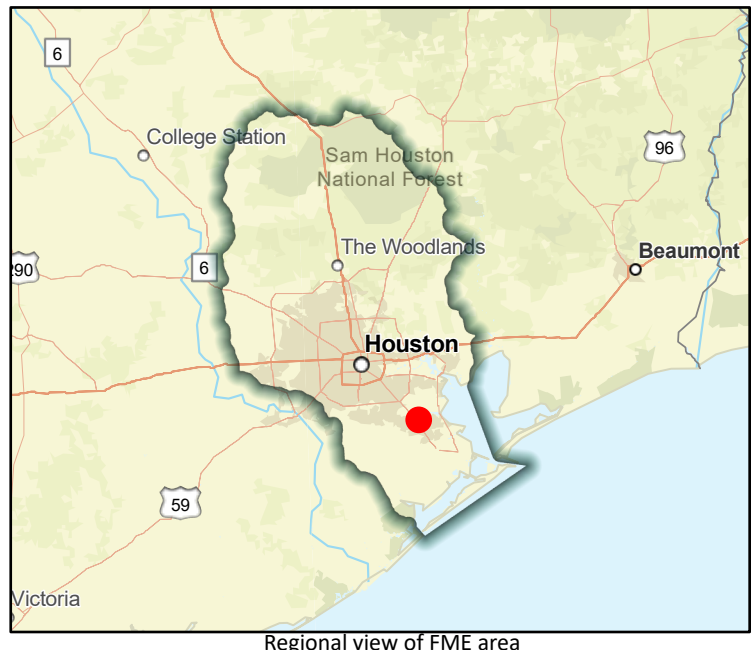
Farm/Ranch land impacted (acres) 19 Roadway(s) impacted (length) 8

Number of low water crossings 1 Historical road closures 1

Estimated Cost and Funding Availability

Total Cost \$200,000 Amount of Available Funding - Federal funding availability -

Funding source -



Flood Management Evaluation (FME)



Title City of West University Place Master Drainage Plan

ID# 061000297

Sponsor (name of entity, not person) West University Place (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 Harris

Watershed HUC# (if known) 120401040402

Drainage area (Square miles, est.) 2

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 4,613

of structures 940

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

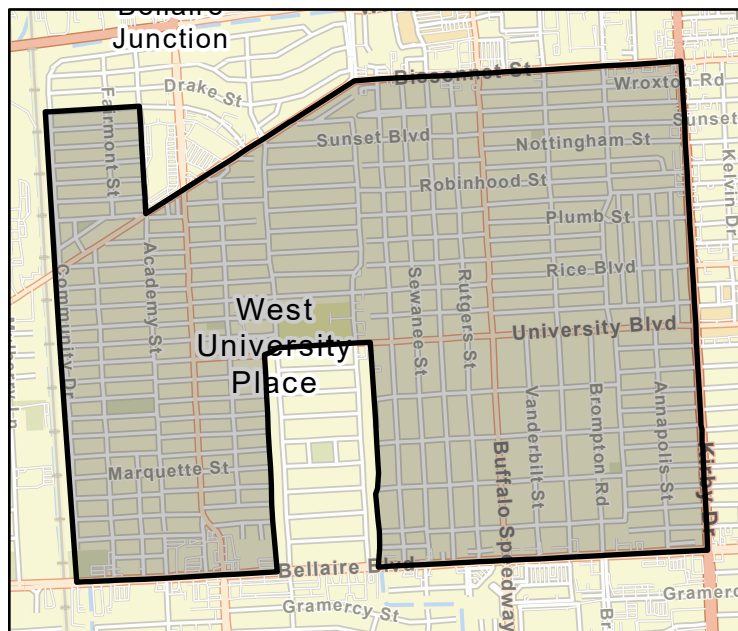
Estimated Cost and Funding Availability

Total Cost \$100,000

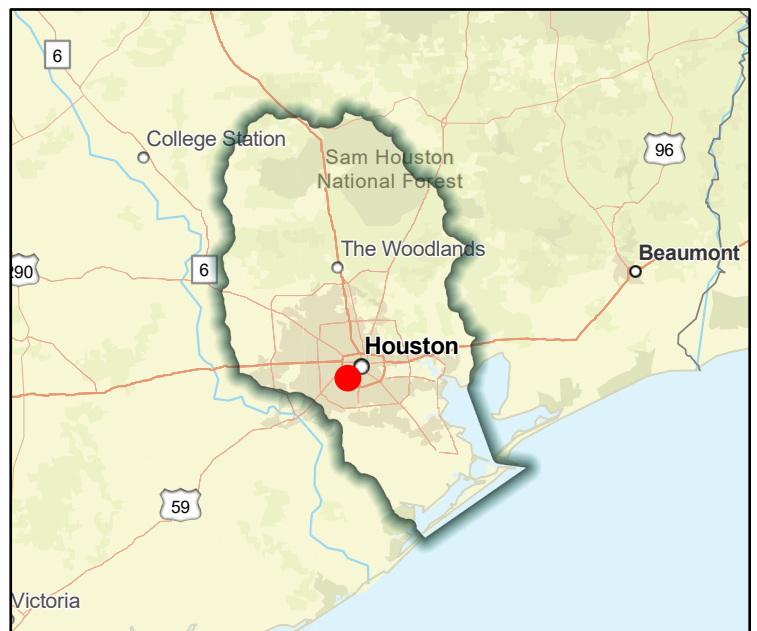
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title City of Willis Master Drainage Plan

ID# 061000298

Sponsor (name of entity, not person) Willis (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) 120401010403,120401010401,120401010204,120401010205,120401030

Drainage area (Square miles, est.) 5

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 372

of structures 61

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

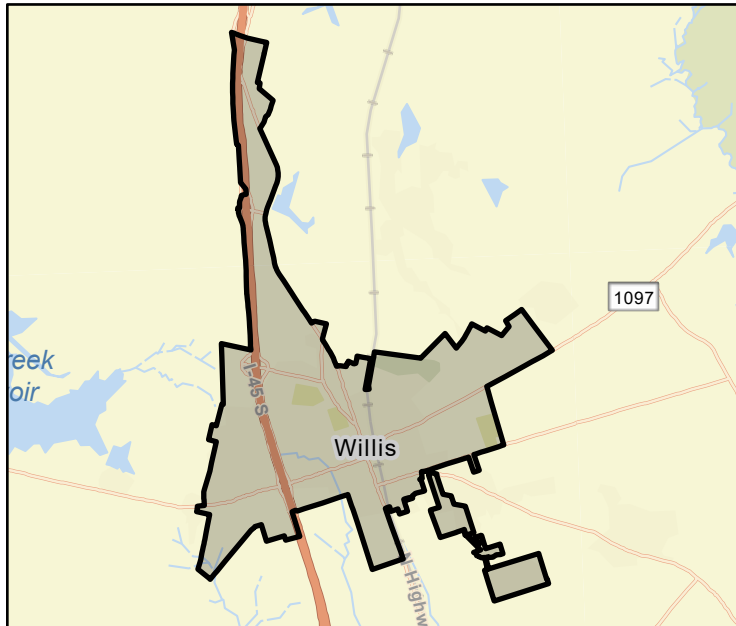
Estimated Cost and Funding Availability

Total Cost \$100,000

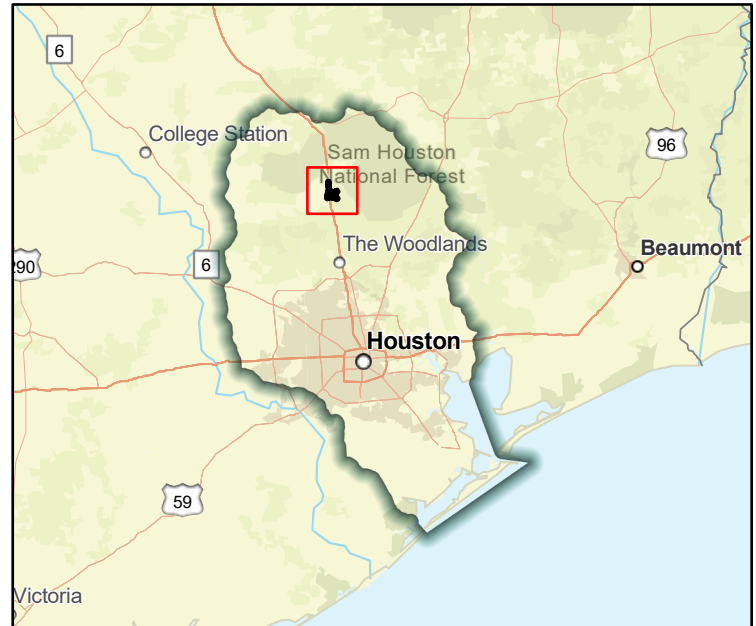
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title City of Woodbranch Master Drainage Plan

ID# 061000299

Sponsor (name of entity, not person) Woodbranch Village (Municipality)

RFPG recommend? - Reason for Recommendation -



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REGION 6

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) 120401030105,120401030109

Drainage area (Square miles, est.) 2

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 398

of structures 197

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) 4

Number of low water crossings 0

Historical road closures 0

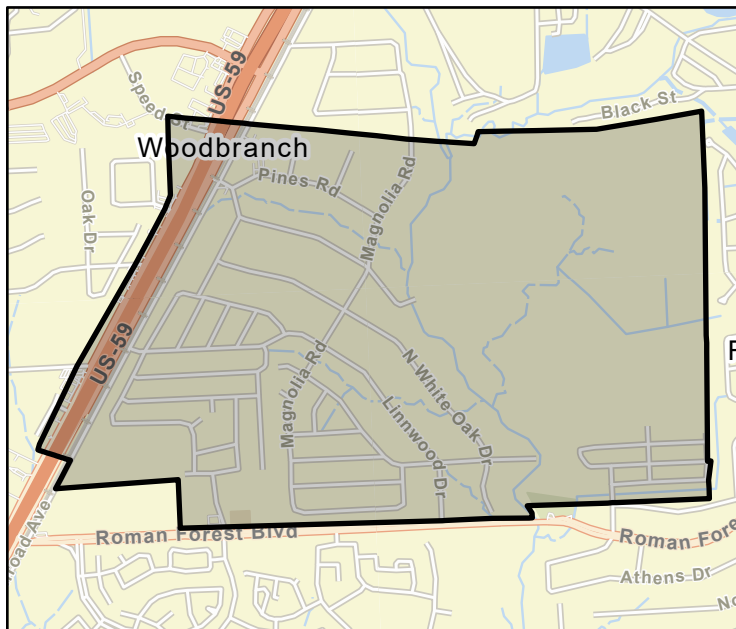
Estimated Cost and Funding Availability

Total Cost \$100,000

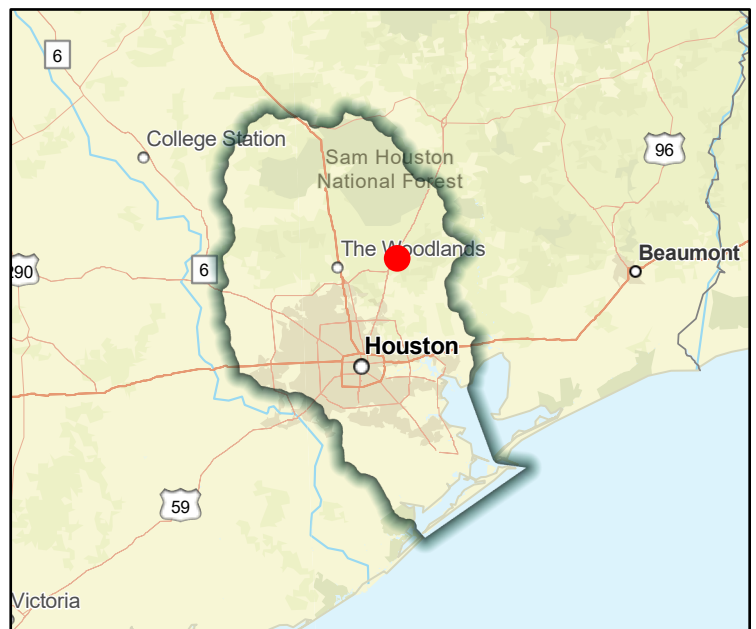
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Clear Creek - Friendswood Detention Basin Near FM 528 in Friendswood

ID# 061000420

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. ROW acquisition, design, and construction of 39 ac stormwater detention basin holding 500 ac-ft near FM 528; Additional solutions include buyouts, improving channel conveyance, and tributary detention.

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

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

Drainage area (Square miles, est.) 102 Goal(s) 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk 72,758 # of structures 14,917 Critical facilities 155

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

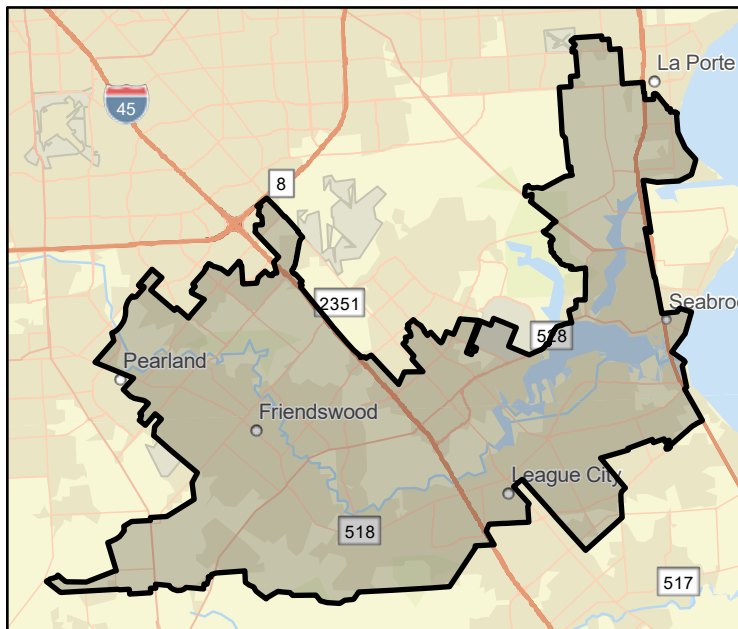
Farm/Ranch land impacted (acres) 162 Roadway(s) impacted (length) 264

Number of low water crossings 9 Historical road closures 9

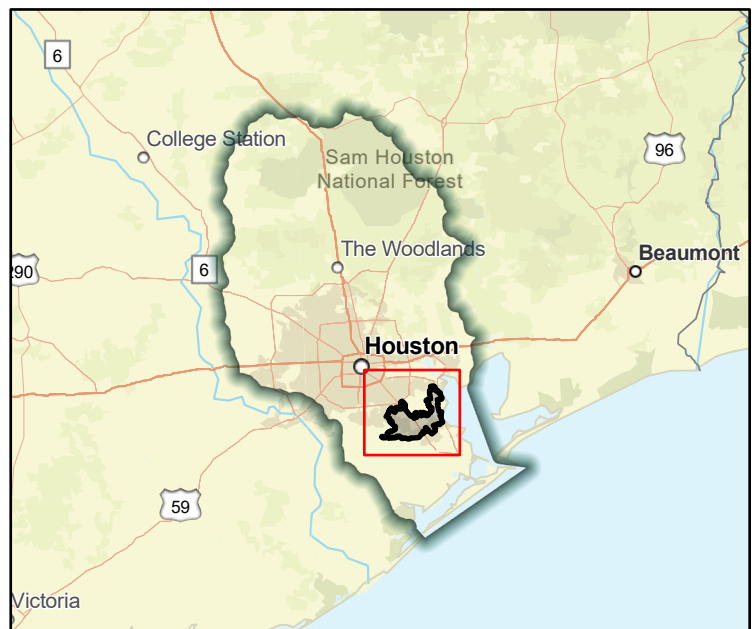
Estimated Cost and Funding Availability

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 **Clear Creek - Hughes Stormwater Detention (SWD) Basin**

ID# **061000421**

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. Project identified in Clear Creek Federal Project study for flood management but did not yield high enough cost benefit ratio for Federal funding. Therefore, Harris and Galveston County have decided to fund this effort.**

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

County **Brazoria, Galveston, Fort Bend, Harris** Watershed HUC# (if known) **120401040502, 120401040501, 120402040200, 120402040400, 120402040**

Drainage area (Square miles, est.) **200** Goal(s) **06000001, 06000011, 06000012, 06000015**

100-Year Flood Risk Summary

Population at risk **120,966** # of structures **27,164** Critical facilities **233**

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

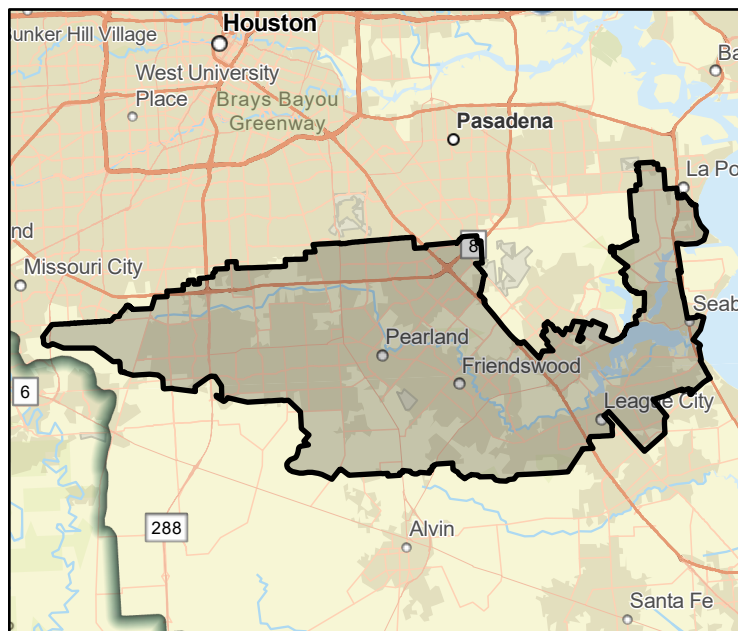
Farm/Ranch land impacted (acres) **533** Roadway(s) impacted (length) **458**

Number of low water crossings **12** Historical road closures **12**

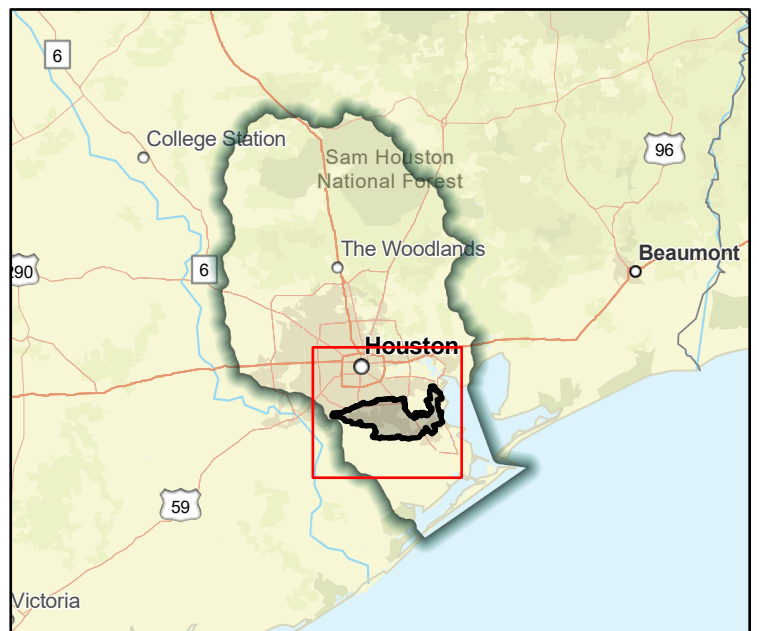
Estimated Cost and Funding Availability

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

Funding source **Harris and Galveston County**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Clear Creek - Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity

ID# 061000425

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 Major maintenance to restore channel conveyance capacity.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Brazoria, Galveston, Fort Bend, Harris

Watershed HUC# (if known) 120401040502, 120401040501, 120402040200, 120402040400, 120402040

Drainage area (Square miles, est.) 5

Goal(s) 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk 1,319

of structures 424

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 3

Roadway(s) impacted (length) 9

Number of low water crossings 0

Historical road closures 0

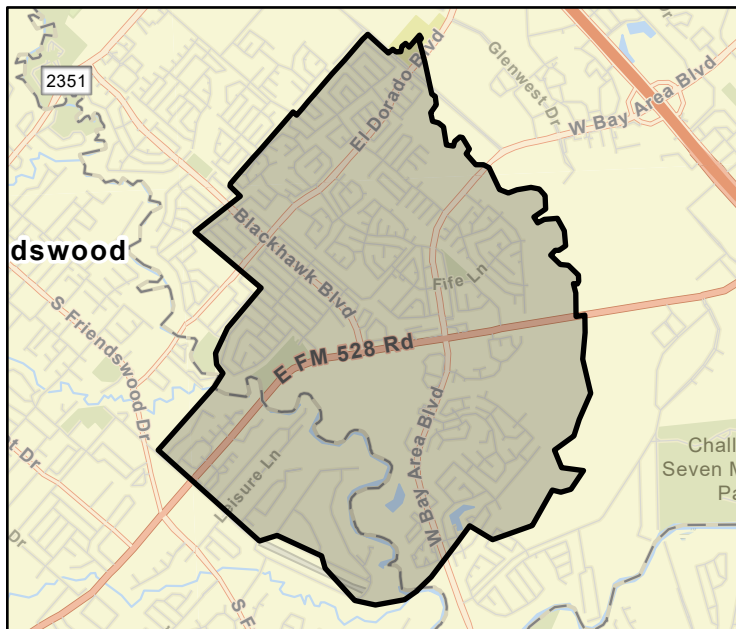
Estimated Cost and Funding Availability

Total Cost \$100,000

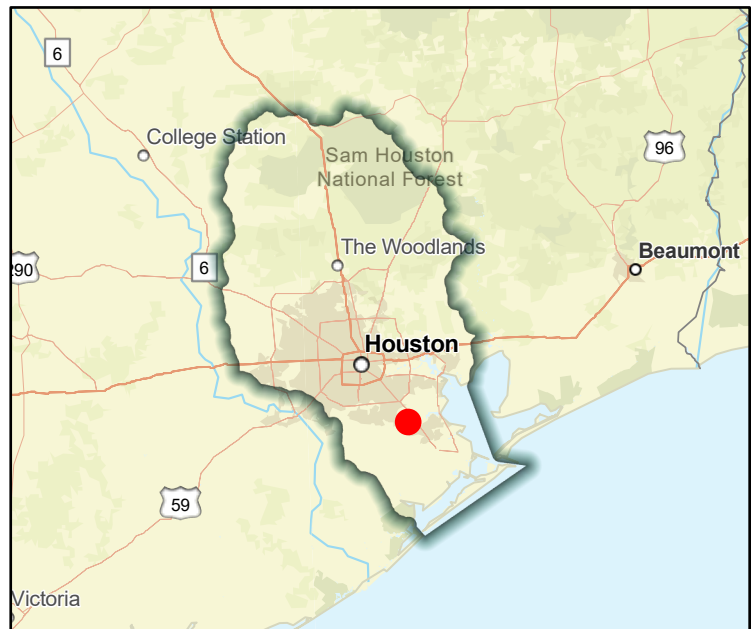
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system

ID# 061000134

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Galveston

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

Drainage area (Square miles, est.) 665

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 171,395

of structures 48,570

Critical facilities 681

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 3,412

Roadway(s) impacted (length) 910

Number of low water crossings 30

Historical road closures

30

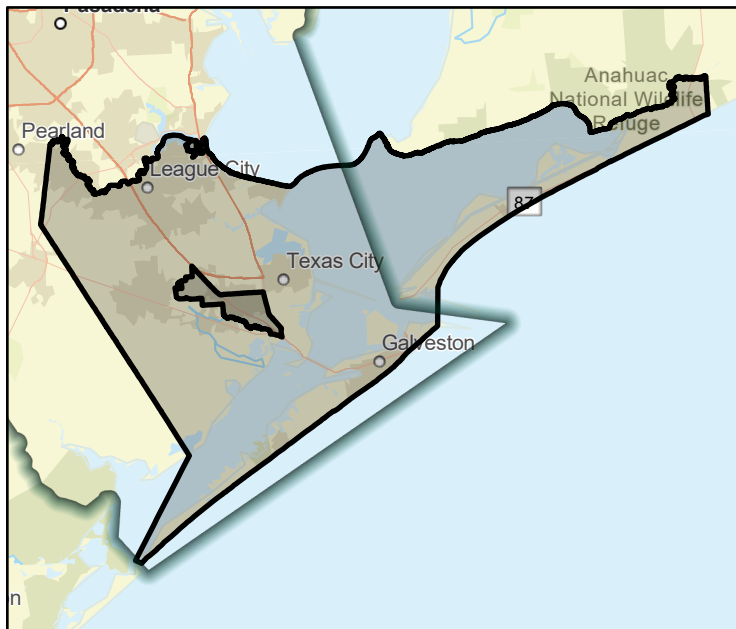
Estimated Cost and Funding Availability

Total Cost \$100,000

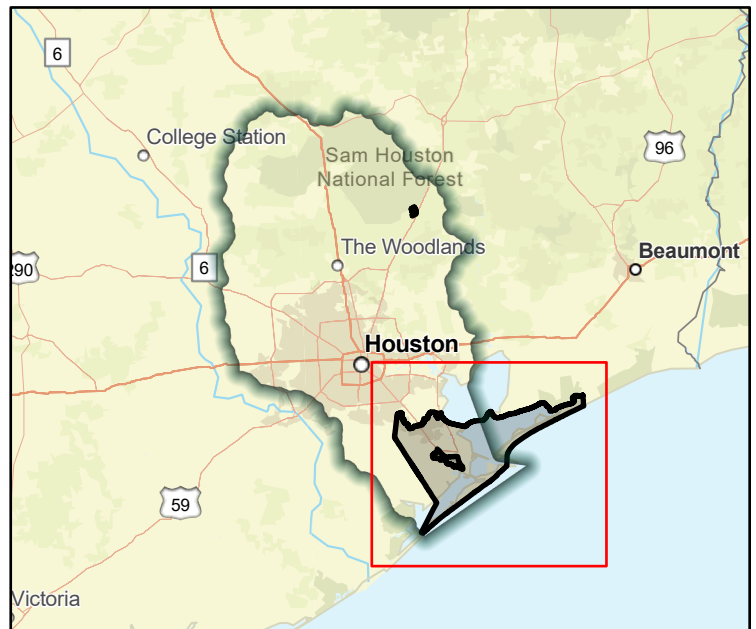
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system

ID# 061000136

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable

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

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

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

100-Year Flood Risk Summary

Population at risk 44 # of structures 52 Critical facilities 0

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

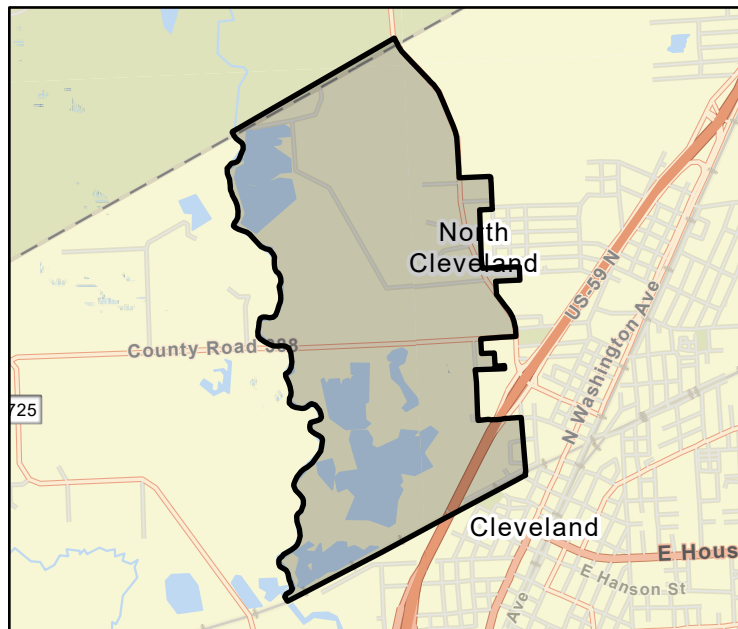
Farm/Ranch land impacted (acres) 6 Roadway(s) impacted (length) 3

Number of low water crossings - Historical road closures -

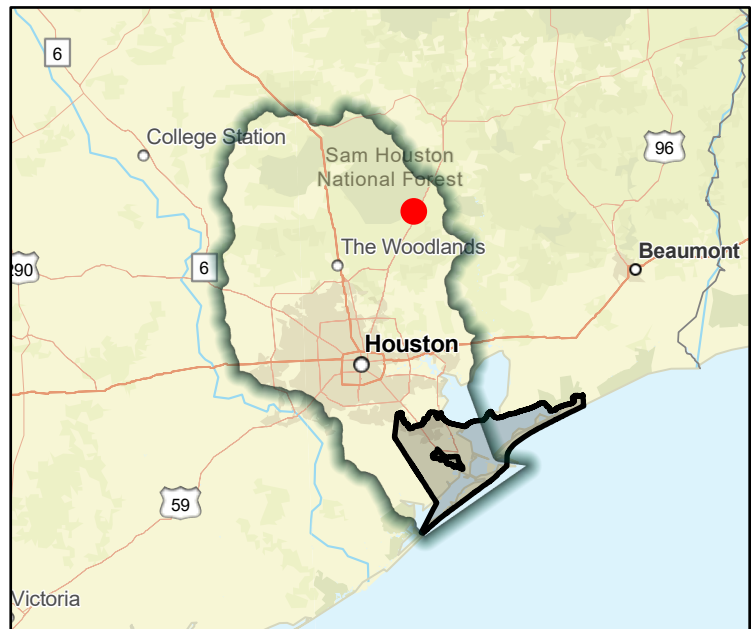
Estimated Cost and Funding Availability

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

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system

ID# 061000137

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable

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

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

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

100-Year Flood Risk Summary

Population at risk 3,407 # of structures 633 Critical facilities 4

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

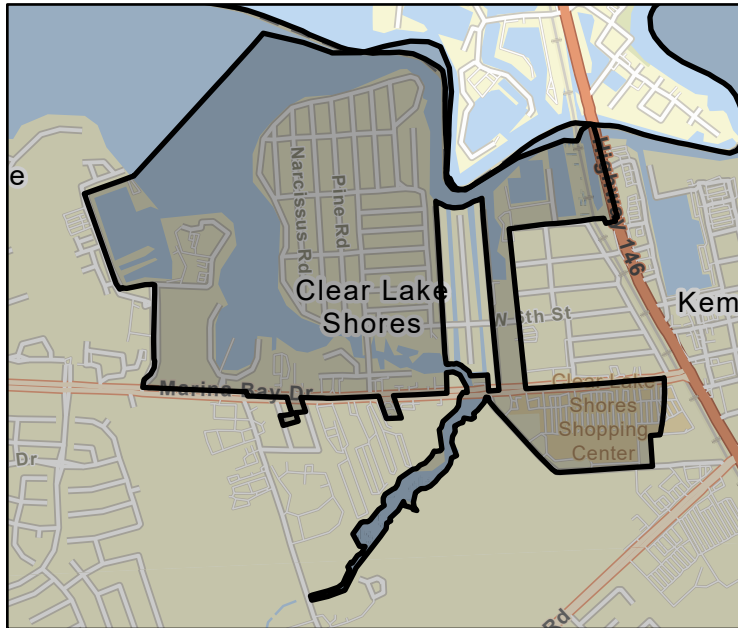
Farm/Ranch land impacted (acres) - Roadway(s) impacted (length) 9

Number of low water crossings 0 Historical road closures 0

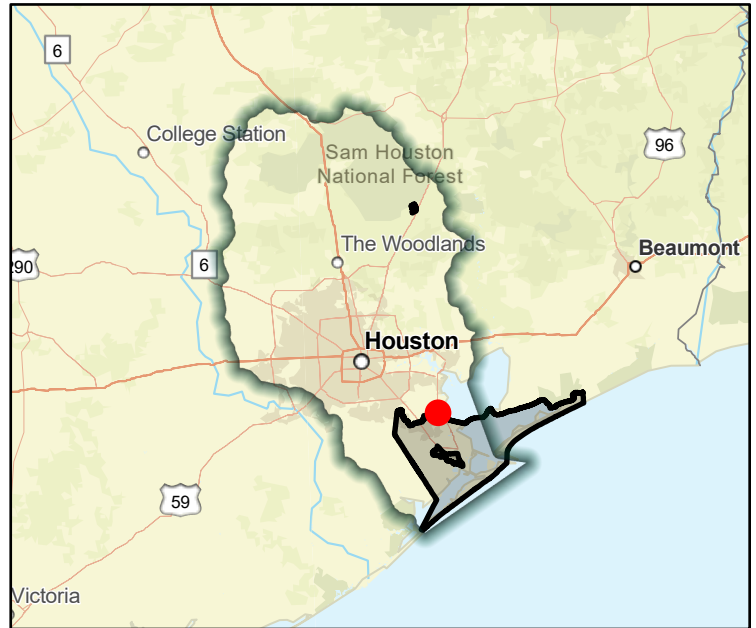
Estimated Cost and Funding Availability

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 Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system

ID# 061000138

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

RFPG recommend? -

Reason for Recommendation -



Study Details

Study type Project Planning

Study description Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Galveston

Watershed HUC# (if known) 120402040200

Drainage area (Square miles, est.) 14

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 1,612

of structures 829

Critical facilities 8

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 38

Roadway(s) impacted (length) 31

Number of low water crossings 1

Historical road closures 1

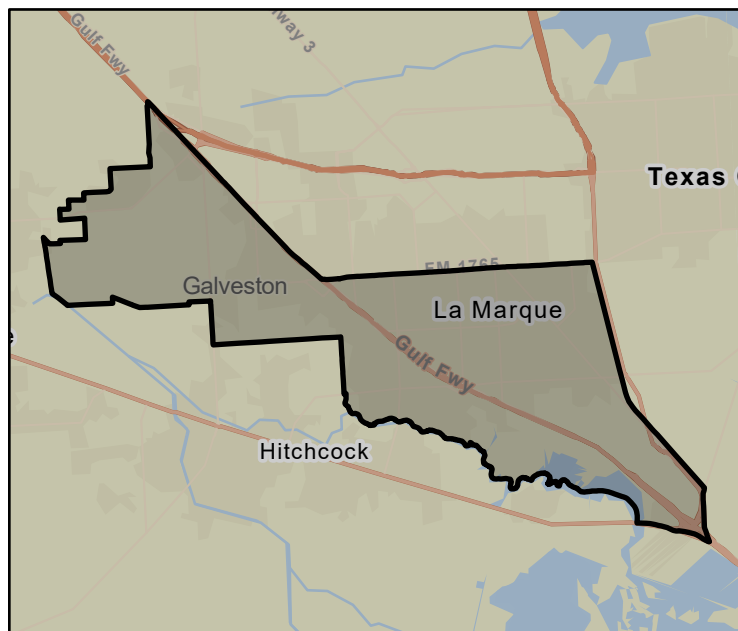
Estimated Cost and Funding Availability

Total Cost \$100,000

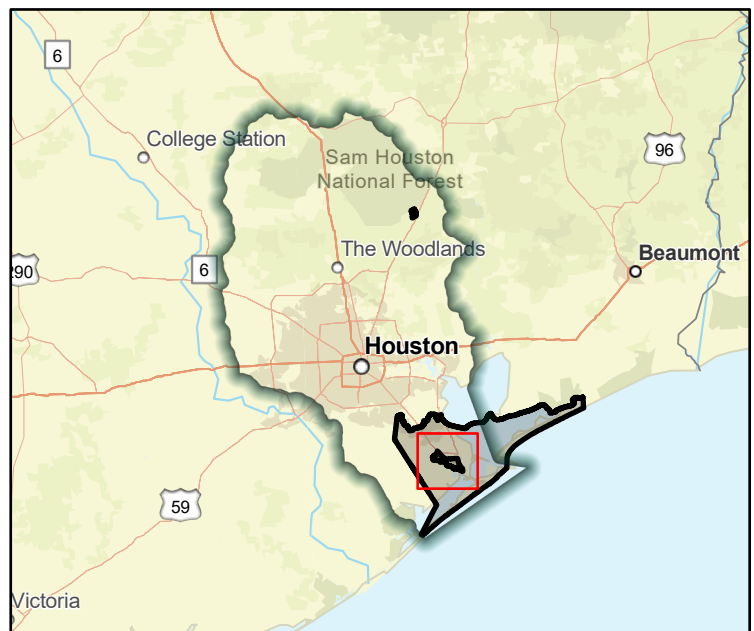
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Cowart Creek Segment 16**

ID# **061000070**

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) **120402040100**

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

100-Year Flood Risk Summary

Population at risk **313** # of structures **150** Critical facilities **0**

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

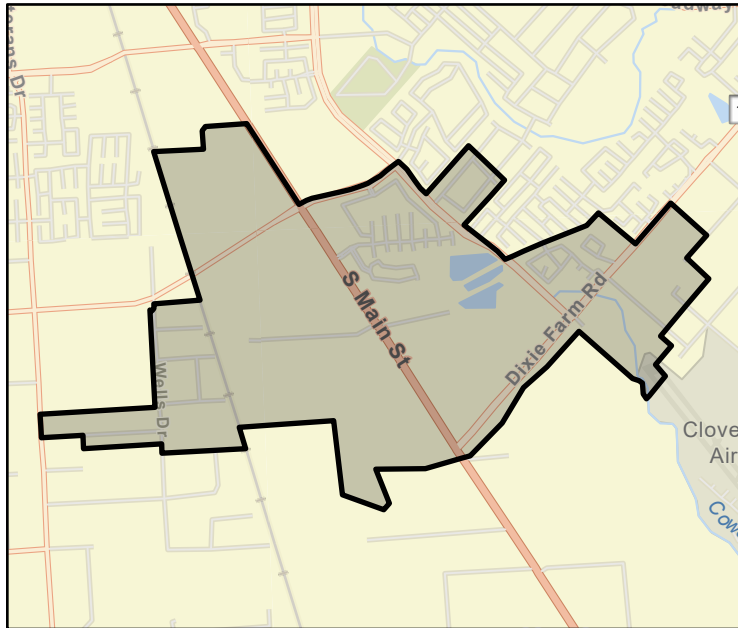
Farm/Ranch land impacted (acres) **8** Roadway(s) impacted (length) **1**

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

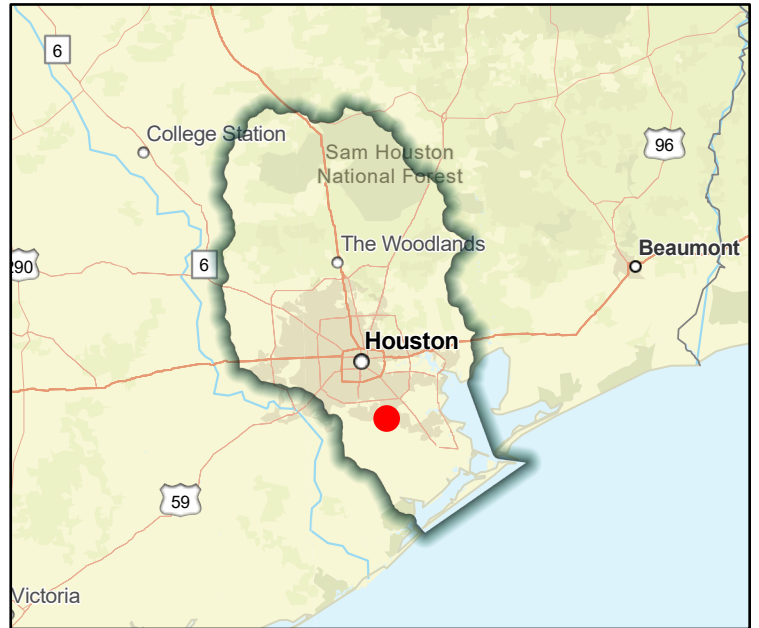
Estimated Cost and Funding Availability

Total Cost **\$40,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **-**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Cypress Creek Implementation Plan - Various Detention Sites

ID# 061000357

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The Implementation Plan identifies that approximately 14,000 acre-feet of stormwater detention volume across 23 different sites reducing flooding risk.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Harris

Watershed HUC# (if known) 120401020104,120401020106,120401020105,120401020107,120401020

Drainage area (Square miles, est.) 118

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 21,959

of structures 4,100

Critical facilities 73

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 75

Roadway(s) impacted (length) 80

Number of low water crossings 3

Historical road closures

3

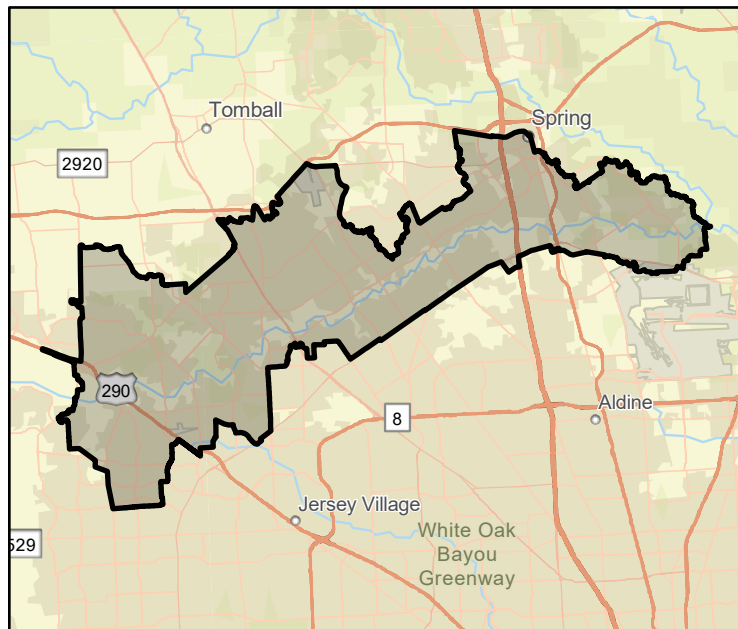
Estimated Cost and Funding Availability

Total Cost \$30,000

Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Cypress Creek Watershed Study

ID# 061000181

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,Waller

Watershed HUC# (if known) 120401020102,120401020103,120401020104,120401020106,120401020

Drainage area (Square miles, est.) 266

Goal(s) 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk 22,497

of structures 4,162

Critical facilities 89

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1,660

Roadway(s) impacted (length) 109

Number of low water crossings 18

Historical road closures 18

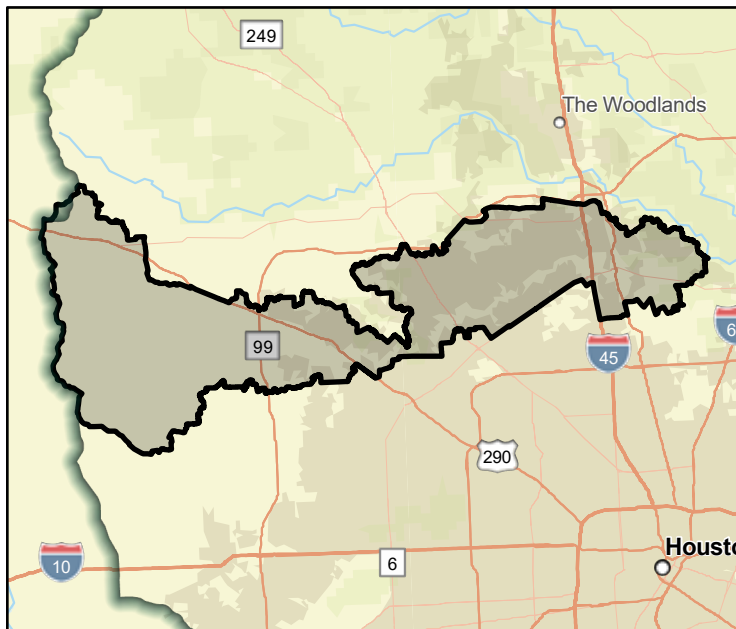
Estimated Cost and Funding Availability

Total Cost \$1,200,000

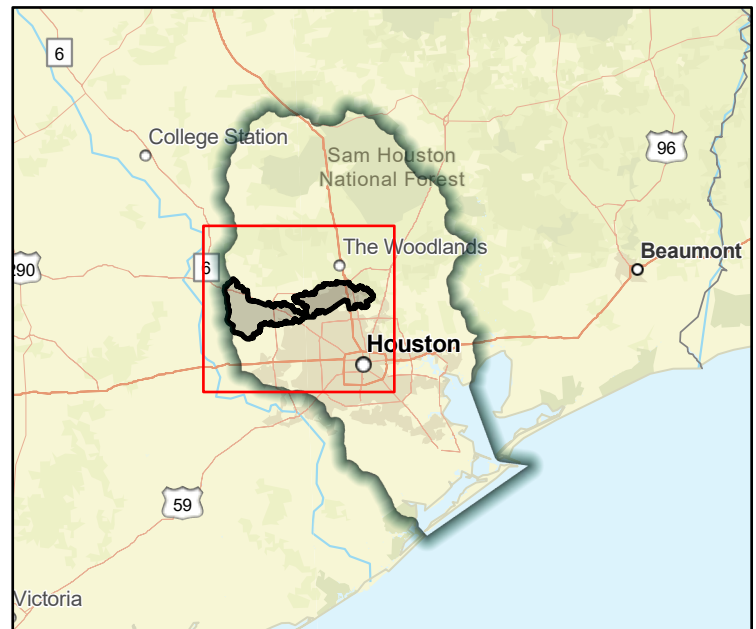
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Dam and Levee Failure Inundation Map Update

ID# 061000078

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

RFPG recommend? -

Reason for Recommendation -

Study Details

Study type Watershed Planning

Study description Study by each jurisdiction to update their dam and levee failure inundation maps to identify the probability and impact of a dam and levee failures

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

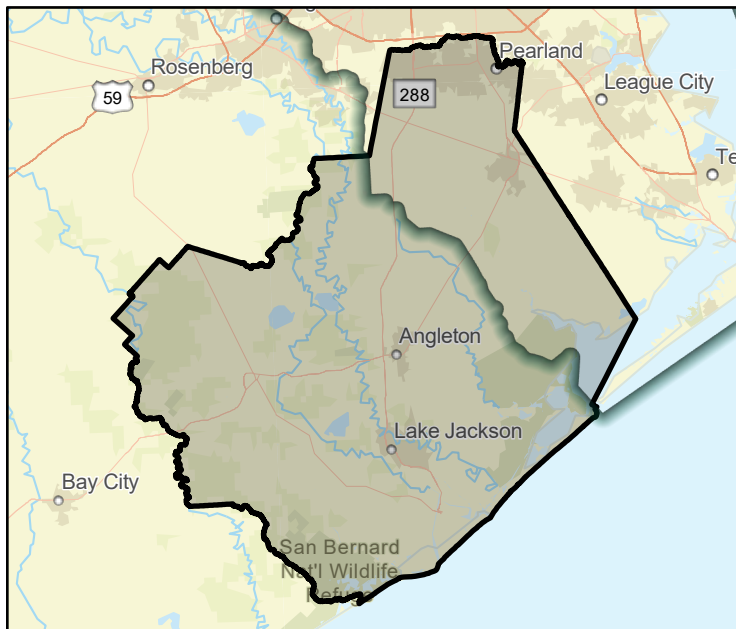
Estimated Cost and Funding Availability

Total Cost \$6,400,000

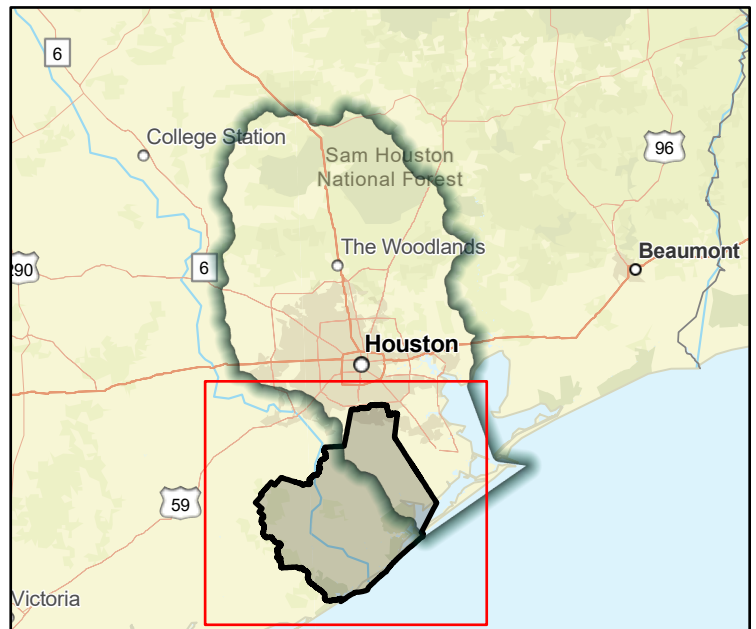
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title **Danubina Drainage Improvements**

ID# **061000422**

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

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

Study Details

Study type **Project Planning**

Study description **Study to further this project and develop an FMP. This CDBG-MIT application involves the installation and construction of various storm sewer and detention infrastructure.**

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

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

Drainage area (Square miles, est.) **48** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,324** # of structures **550** Critical facilities **7**

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

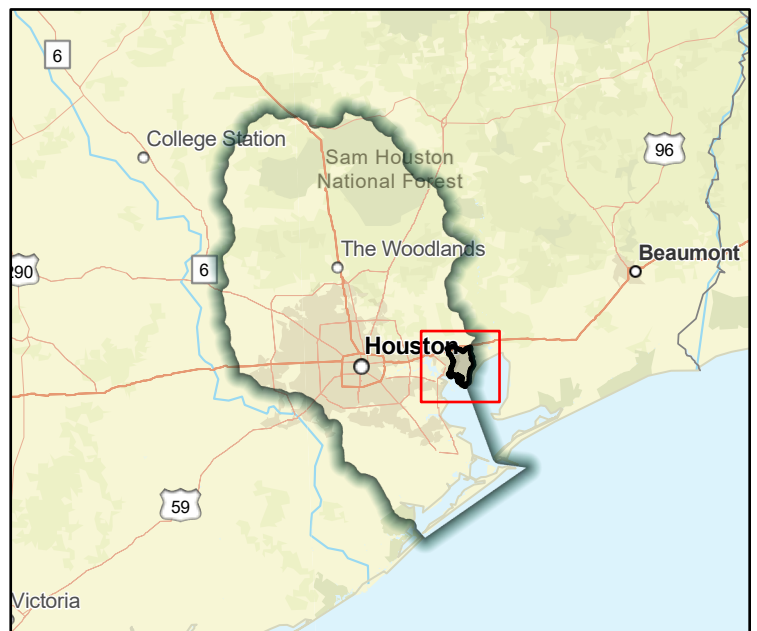
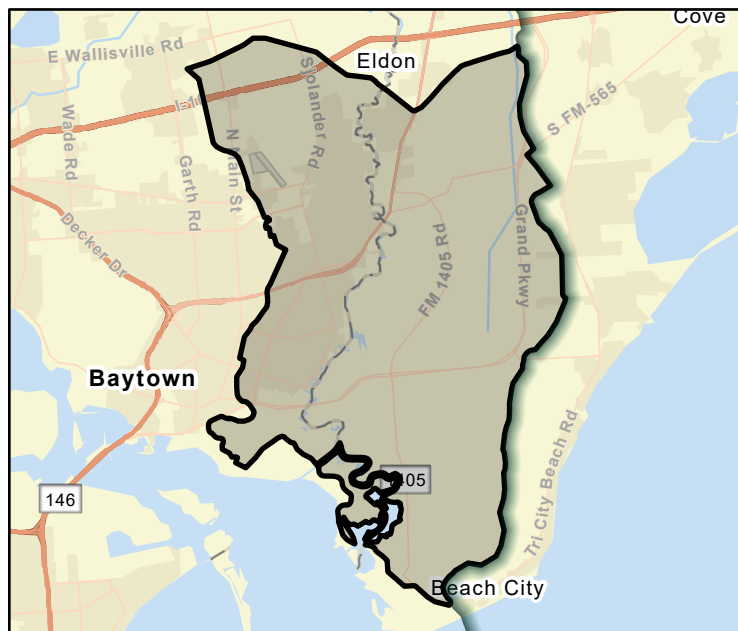
Farm/Ranch land impacted (acres) **98** Roadway(s) impacted (length) **14**

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

Estimated Cost and Funding Availability

Total Cost **\$923,000** Amount of Available Funding **-** Federal funding availability **-**

Funding source **CDBG-MIT**



Flood Management Evaluation (FME)



Title Downtown Cleveland Drainage Line Installation

ID# 061000153

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type Project Planning

Study description Further study of proposed larger drainage lines in downtown Cleveland to reduce flooding.

New Hydrologic or Hydraulic model? -

Emergency Need? -

Existing/Anticipated models in near term? -

County Liberty, Montgomery, San Jacinto

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

Drainage area (Square miles, est.) 19

Goal(s) 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk 1,267

of structures 261

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 29

Roadway(s) impacted (length) 27

Number of low water crossings 1

Historical road closures

1

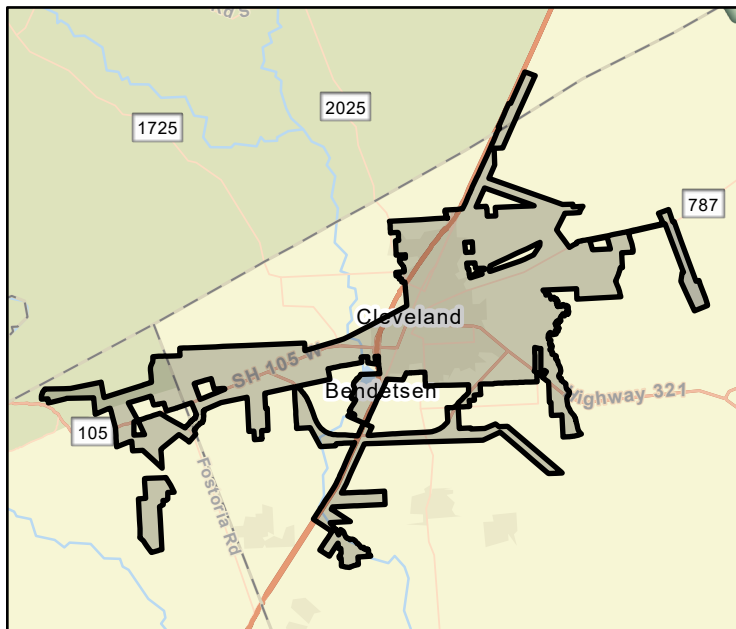
Estimated Cost and Funding Availability

Total Cost \$100,000

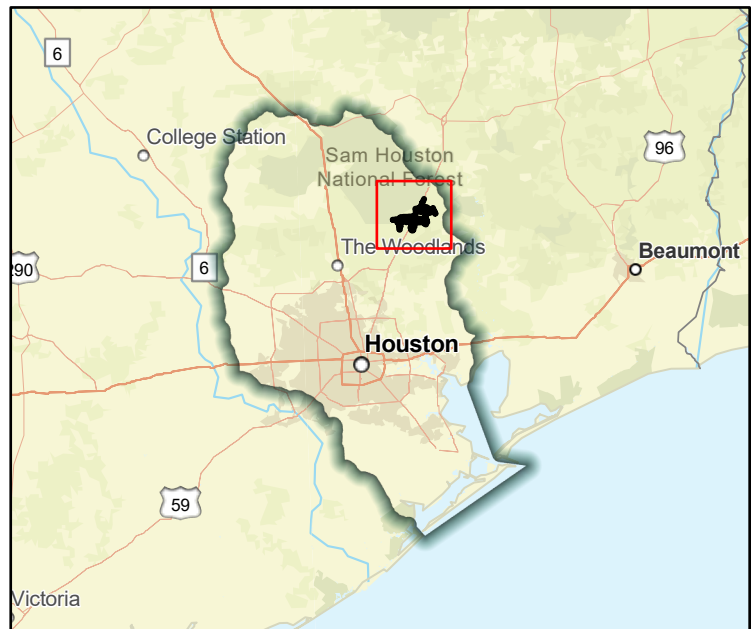
Amount of Available Funding -

Federal funding availability -

Funding source -



FME Area



Regional view of FME area