VOLUME 2
Appendix 5-C

REGION 5 NECHES
2023 REGIONAL FLOOD PLAN

JULY 2023

PREPARED FOR THE

REGION 5 NECHES FLOOD PLANNING GROUP

APPENDIX 5-C
FLOOD MANAGEMENT EVALUATIONS (FME), FLOOD MANAGEMENT STRATEGIES (FMS), AND FLOOD MITIGATION PROJECT ONE-PAGERS

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Anderson County Update Flood Hazard Mapping

ID#: 051000001 Sponsor: Anderson (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Anderson

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 495

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 73 # of structures: 69 # of critical facilities: 0

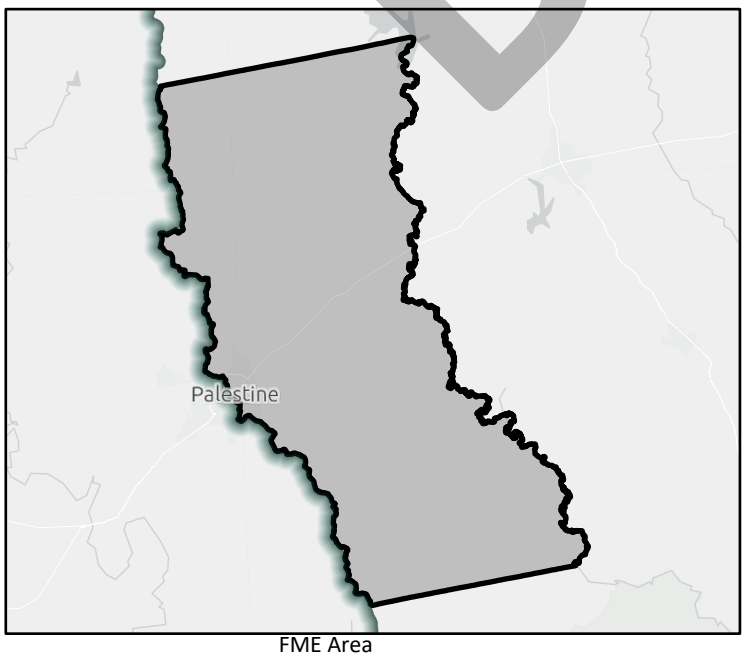
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.): 348 Roadways impacted (miles): 22

# of low water crossings: 2 # of historical road closures: 2

Estimated Cost and Funding Availability

Total Cost: $2,236,919 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Angelina County Update Flood Hazard Mapping

ID#: 051000002 Sponsor: Angelina (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Angelina

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 861

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 8,420 # of structures: 1,201 # of critical facilities: 11

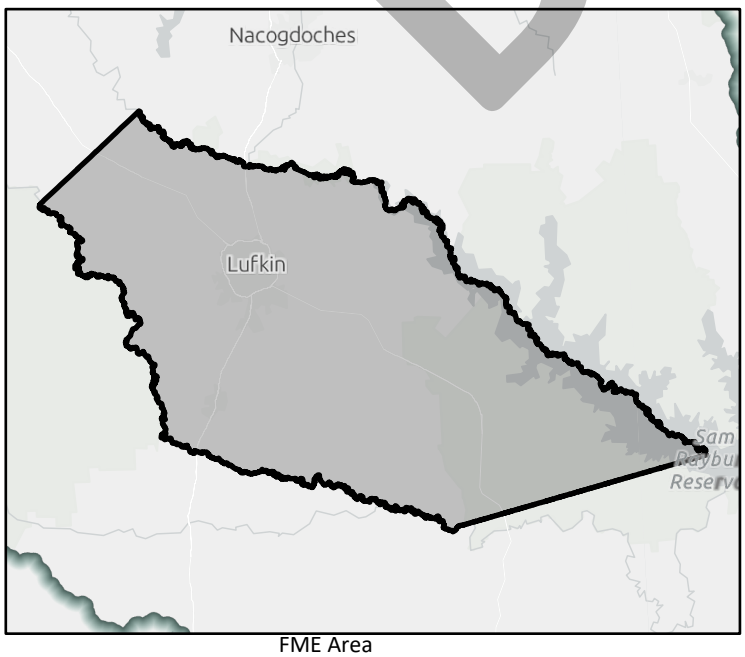
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.): 165 Roadways impacted (miles): 66

# of low water crossings: 19 # of historical road closures: 19

Estimated Cost and Funding Availability

Total Cost: $3,900,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Chambers County Update Flood Hazard Mapping

ID#: 051000003 Sponsor: Chambers (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Chambers

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 434

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 1,431 # of structures: 1,175 # of critical facilities: 0

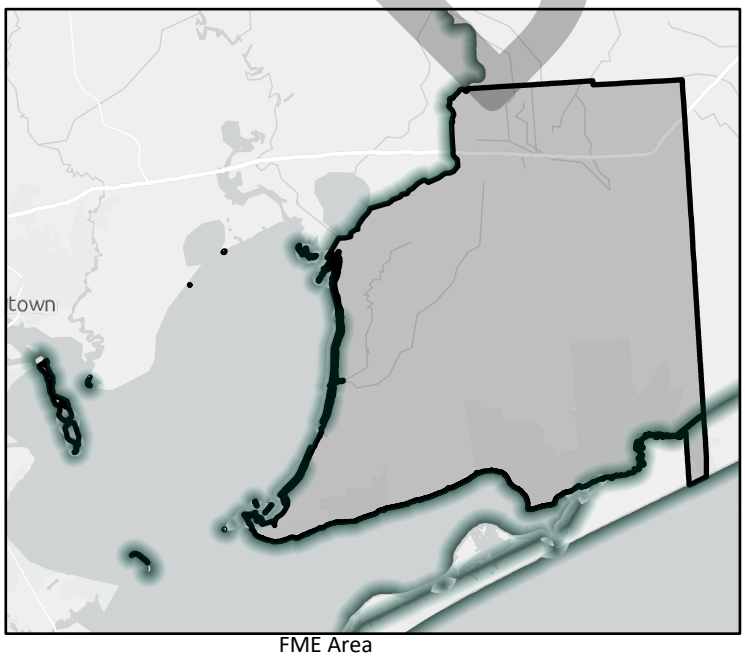
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.): 36,933 Roadways impacted (miles): 162

# of low water crossings: 0 # of historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $652,546 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Cherokee County Update Flood Hazard Mapping

ID#: 051000004 Sponsor: Cherokee (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Cherokee

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 1,058

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 1,382 # of structures: 672 # of critical facilities: 1

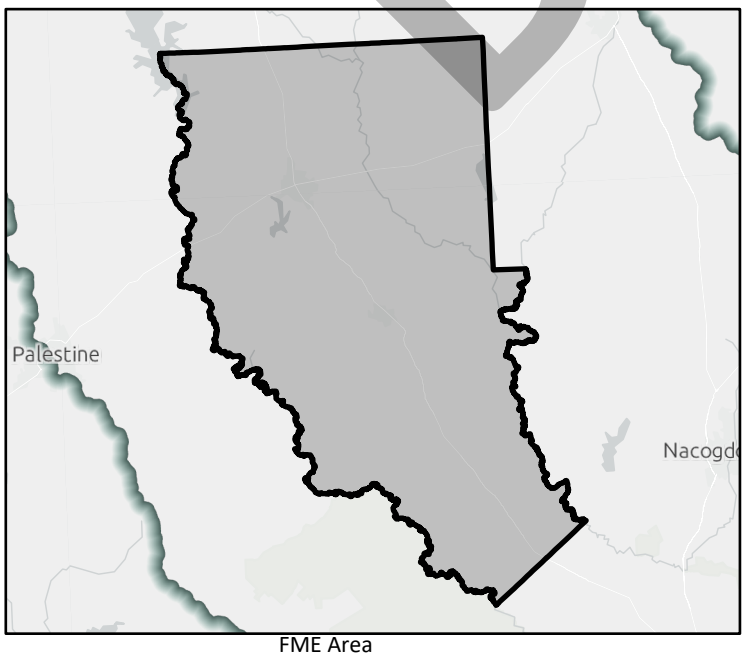
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.): 920 Roadways impacted (miles): 49

# of low water crossings: 10 # of historical road closures: 10

Estimated Cost and Funding Availability

Total Cost: $4,800,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Galveston County Update Flood Hazard Mapping

ID#: 051000005 Sponsor: Galveston (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Galveston

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 57

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 2,373 # of structures: 4,937 # of critical facilities: 8

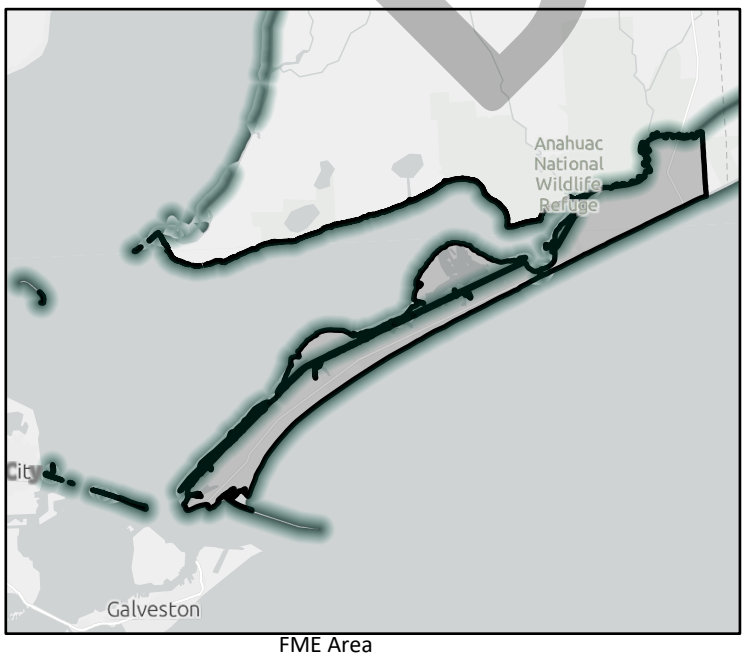
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.): 330 Roadways impacted (miles): 143

# of low water crossings: 0 # of historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $68,502 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Update Flood Hazard Mapping

ID#: 051000006 Sponsor: Hardin (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Hardin

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 888

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 10,528 # of structures: 3,678 # of critical facilities: 25

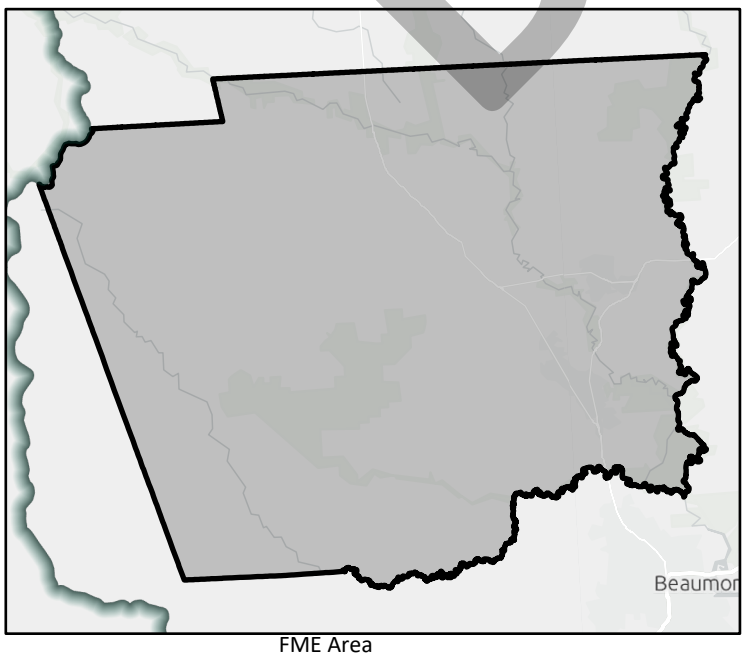
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.): 743 Roadways impacted (miles): 136

# of low water crossings: 13 # of historical road closures: 13

Estimated Cost and Funding Availability

Total Cost: $1,800,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Henderson County Update Flood Hazard Mapping

ID#: 051000007 Sponsor: Henderson (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Henderson

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 374

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 267 # of structures: 240 # of critical facilities: 0

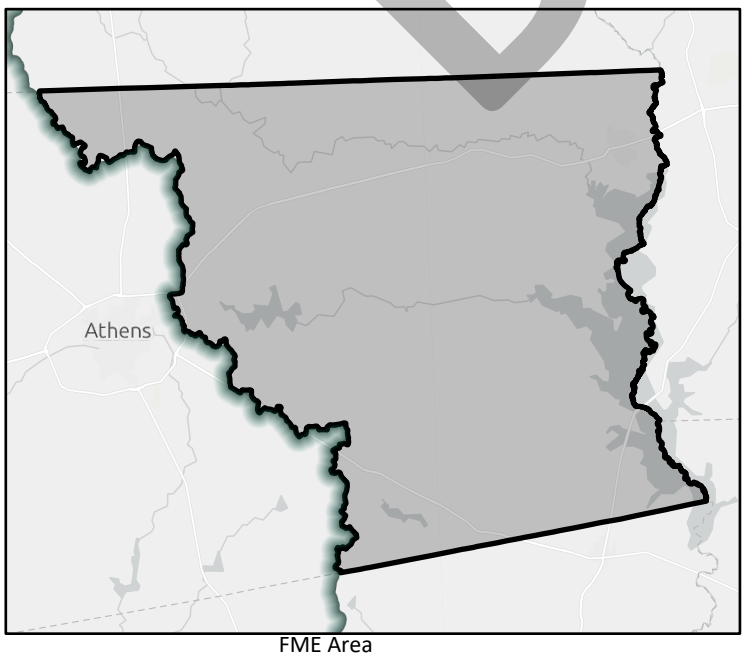
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.): 348 Roadways impacted (miles): 20

# of low water crossings: 1 # of historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: $1,681,614 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Houston County Update Flood Hazard Mapping

ID#: 051000008 Sponsor: Houston (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Houston

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 418

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 16 # of structures: 17 # of critical facilities: 0

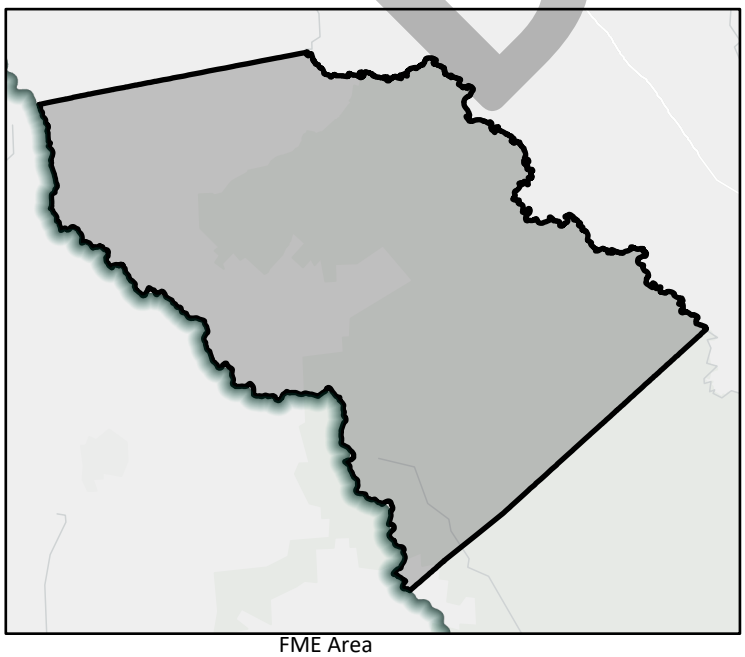
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.): 117 Roadways impacted (miles): 20

# of low water crossings: 7 # of historical road closures: 7

Estimated Cost and Funding Availability

Total Cost: $1,697,174 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Jasper County Update Flood Hazard Mapping

ID#: 051000009 Sponsor: Jasper (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Jasper

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 615

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 1,655 # of structures: 756 # of critical facilities: 7

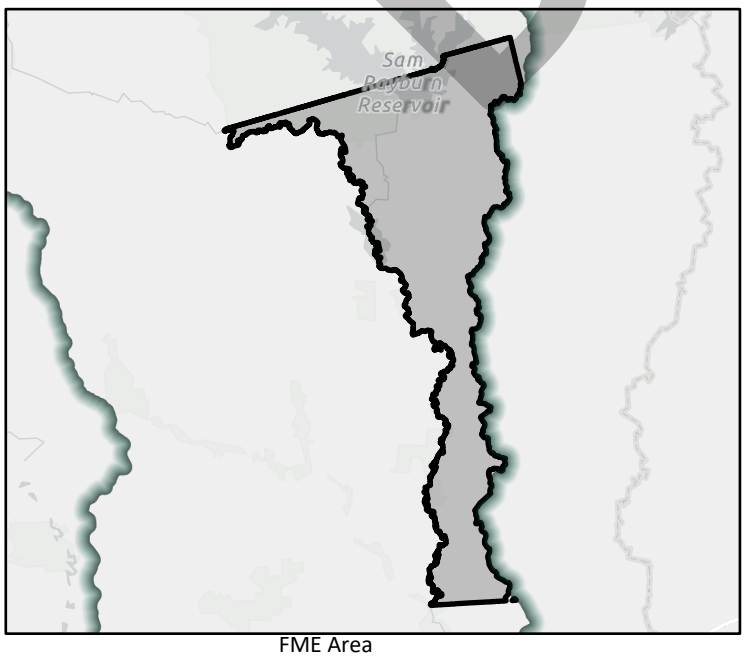
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.): 104 Roadways impacted (miles): 46

# of low water crossings: 3 # of historical road closures: 3

Estimated Cost and Funding Availability

Total Cost: $1,210,721 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Update Flood Hazard Mapping

ID#: 051000010 Sponsor: Jefferson (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Jefferson

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 954

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 40,765 # of structures: 12,869 # of critical facilities: 316

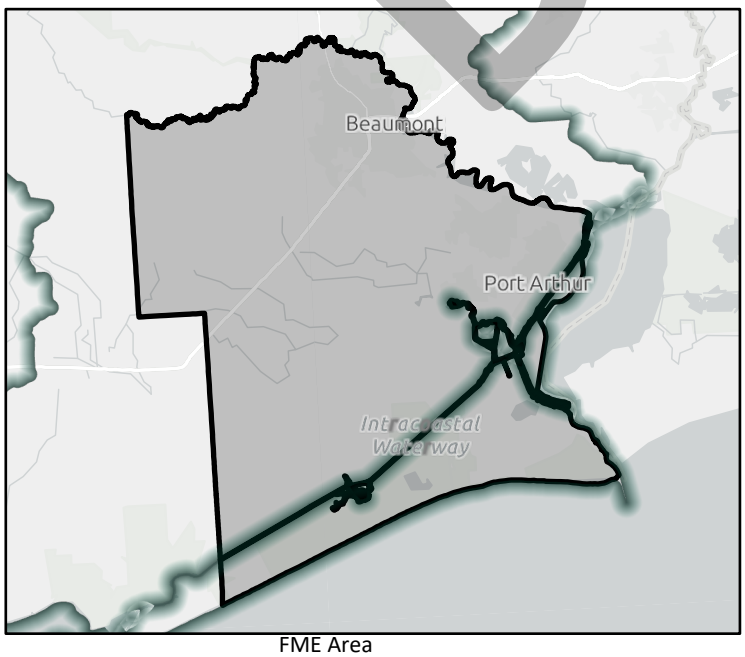
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.): 33,019 Roadways impacted (miles): 474

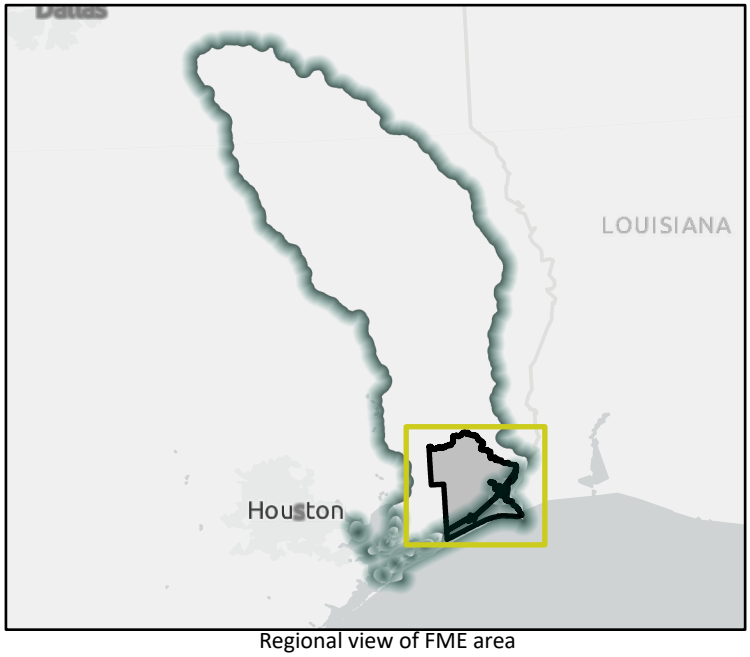
# of low water crossings: 22 # of historical road closures: 22

Estimated Cost and Funding Availability

Total Cost: $1,900,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Liberty County Update Flood Hazard Mapping

ID#: 051000011 Sponsor: Liberty (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Liberty

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 235

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 143 # of structures: 116 # of critical facilities: 1

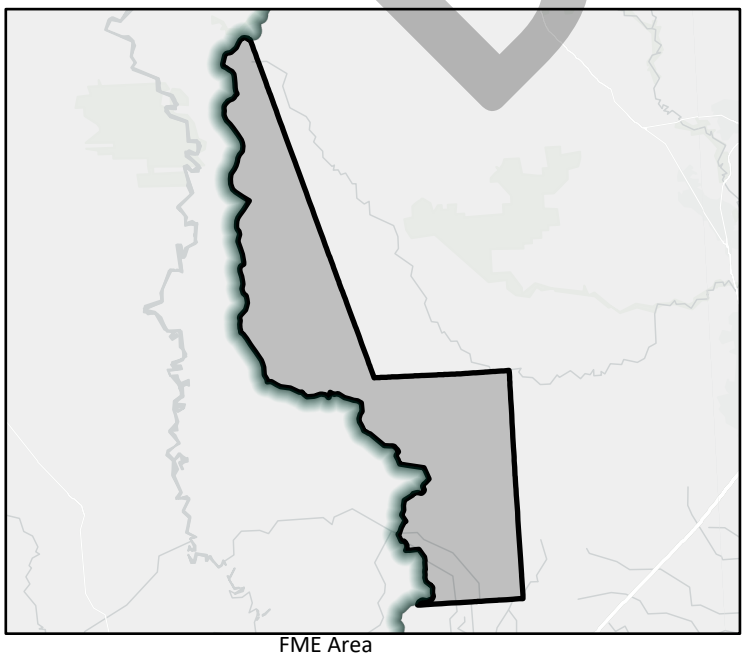
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.): 1,526 Roadways impacted (miles): 7

# of low water crossings: 0 # of historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $402,626 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Nacogdoches County Update Flood Hazard Mapping

ID# 051000012 Sponsor: Nacogdoches (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Nacogdoches

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 977

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 5,475 # of structures: 585 # of critical facilities: 1

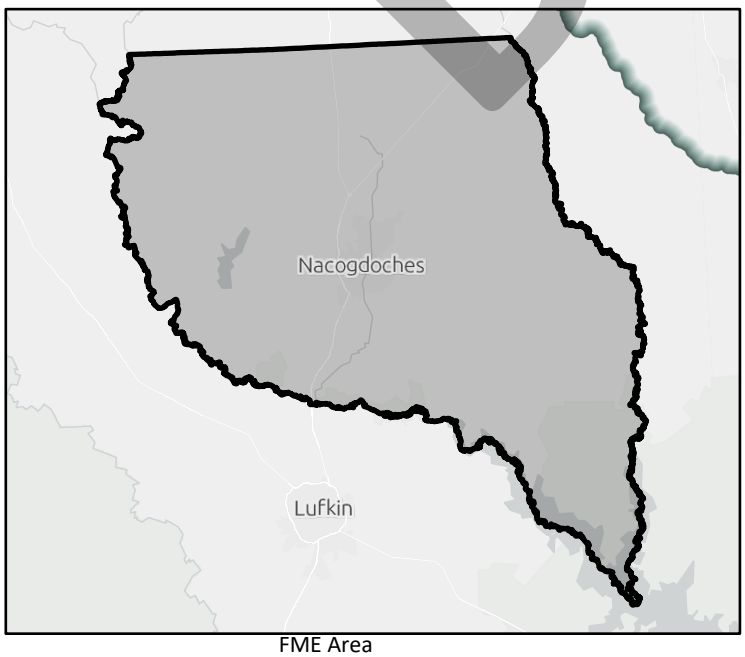
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.): 240 Roadways impacted (miles): 38

# of low water crossings: 20 # of historical road closures: 20

Estimated Cost and Funding Availability

Total Cost: $4,400,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Orange County Update Flood Hazard Mapping

ID#: 051000013 Sponsor: Orange (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Orange

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 156

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 11,929 # of structures: 5,007 # of critical facilities: 36

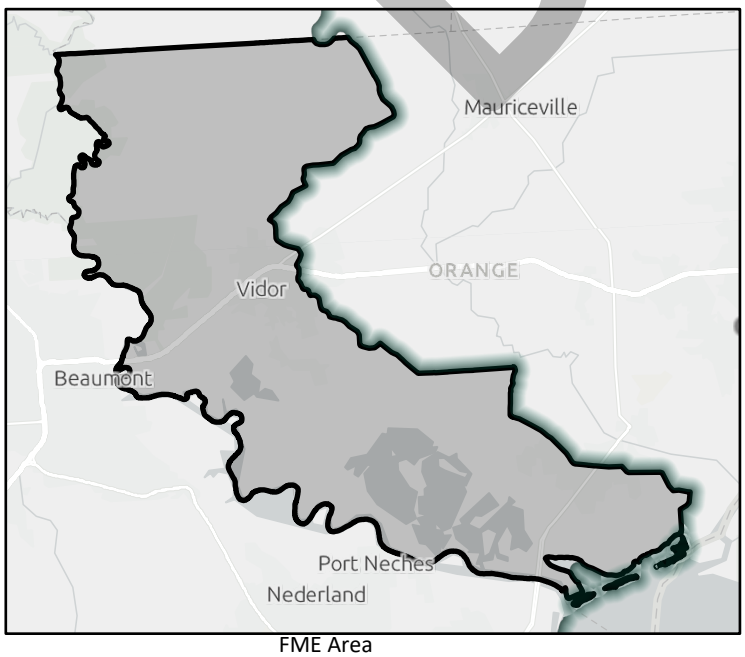
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.): 346 Roadways impacted (miles): 136

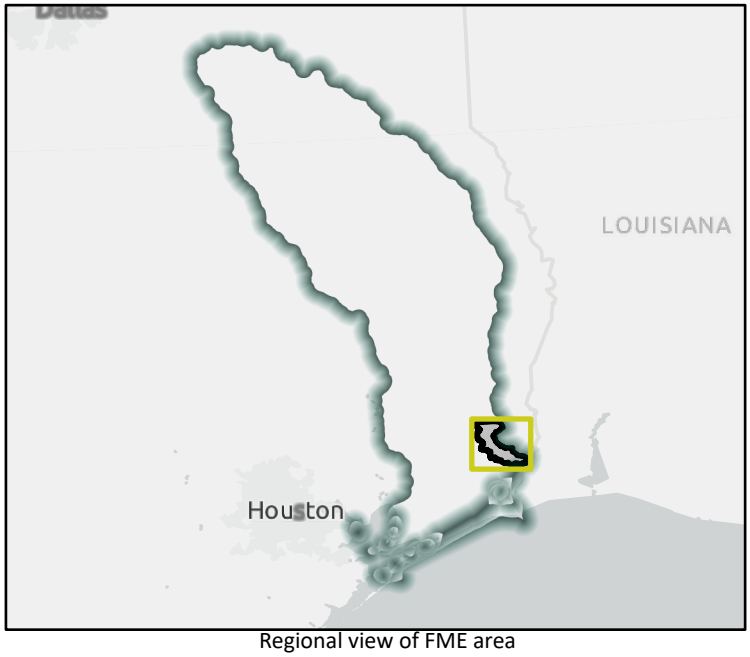
# of low water crossings: 20 # of historical road closures: 20

Estimated Cost and Funding Availability

Total Cost: $760,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Polk County Update Flood Hazard Mapping

ID#: 051000014 Sponsor: Polk (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Polk

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 535

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 368 # of structures: 84 # of critical facilities: 0

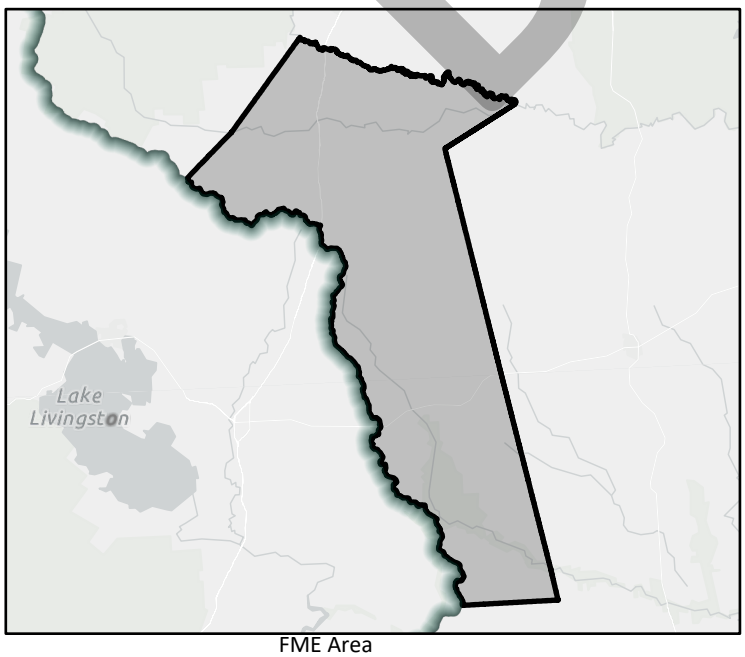
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.): 62 Roadways impacted (miles): 17

# of low water crossings: 8 # of historical road closures: 8

Estimated Cost and Funding Availability

Total Cost: $375,054 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Rusk County Update Flood Hazard Mapping

ID#: 051000015 Sponsor: Rusk (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Rusk

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 525

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 191 # of structures: 91 # of critical facilities: 1

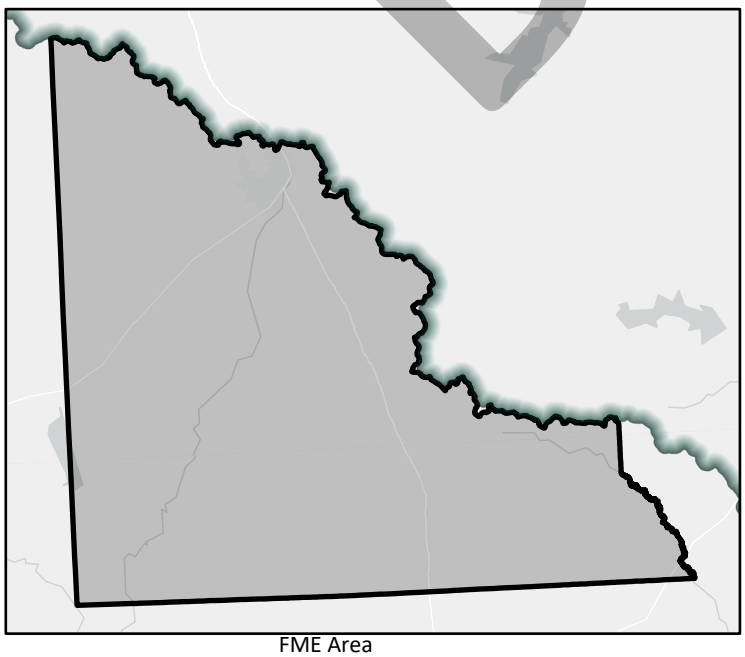
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.): 206 Roadways impacted (miles): 21

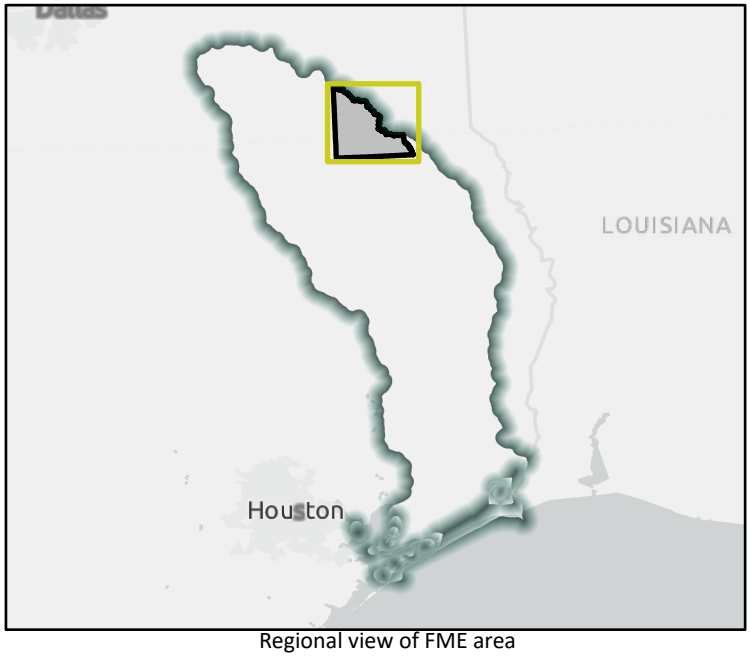
# of low water crossings: 0 # of historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $1,318,550 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Sabine County Update Flood Hazard Mapping

ID#: 051000016 Sponsor: Sabine (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Sabine

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 95

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 16 # of structures: 11 # of critical facilities: 0

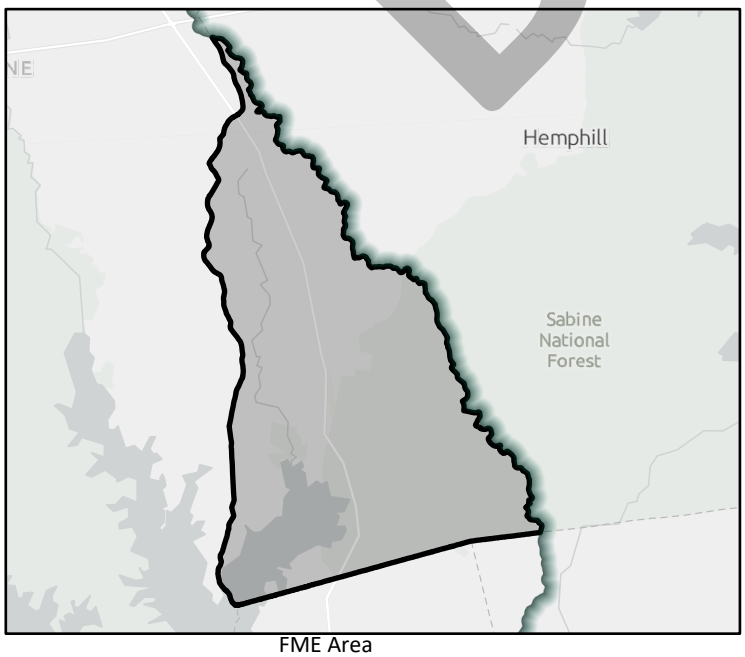
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.): 5 Roadways impacted (miles): 3

# of low water crossings: 1 # of historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: $182,571 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: San Augustine County Update Flood Hazard Mapping

ID#: 051000017 Sponsor: San Augustine (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: San Augustine

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 533

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 146 # of structures: 64 # of critical facilities: 0

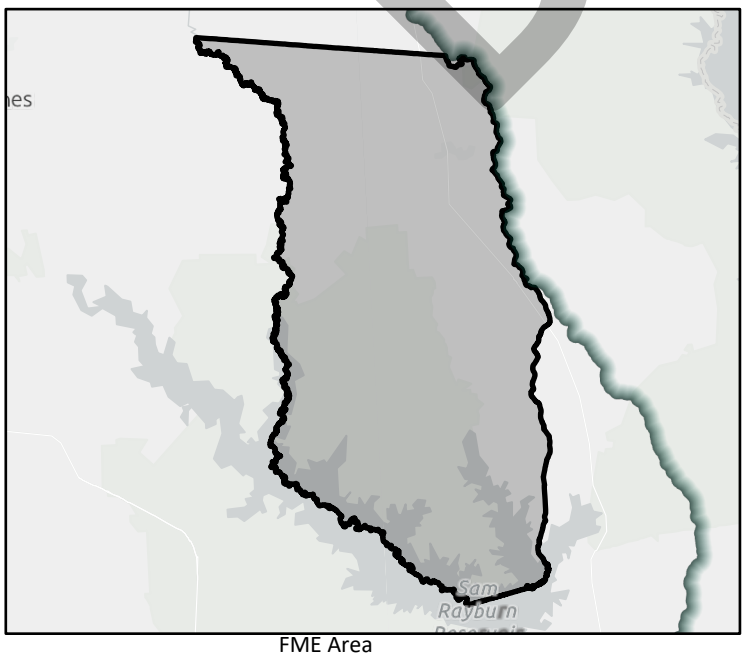
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.): 42 Roadways impacted (miles): 13

# of low water crossings: 2 # of historical road closures: 2

Estimated Cost and Funding Availability

Total Cost: $904,125 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Shelby County Update Flood Hazard Mapping

ID#: 051000018 Sponsor: Shelby (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Shelby

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 160

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 8 # of structures: 15 # of critical facilities: 0

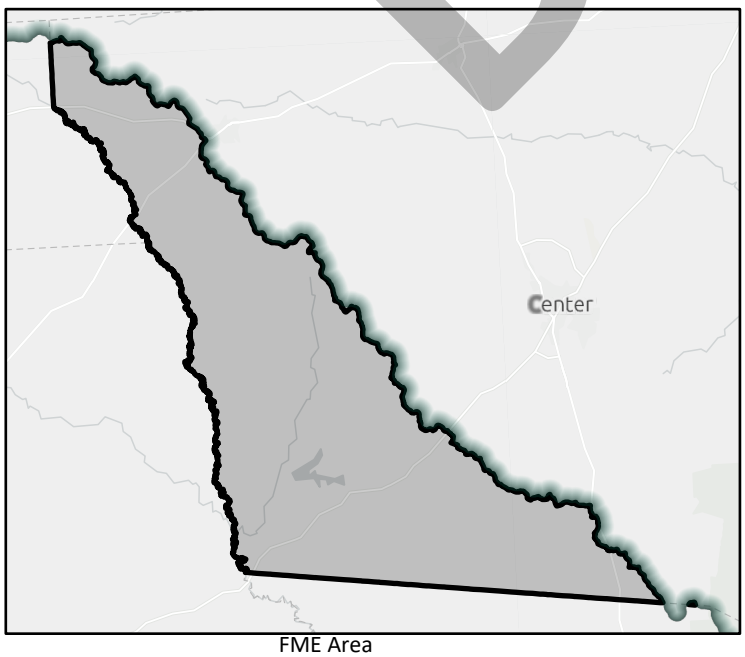
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.): 56 Roadways impacted (miles): 5

# of low water crossings: 4 # of historical road closures: 4

Estimated Cost and Funding Availability

Total Cost: $711,827 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Smith County Update Flood Hazard Mapping

ID#: 051000019 Sponsor: Smith (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Smith

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 510

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 8,524 # of structures: 2,347 # of critical facilities: 72

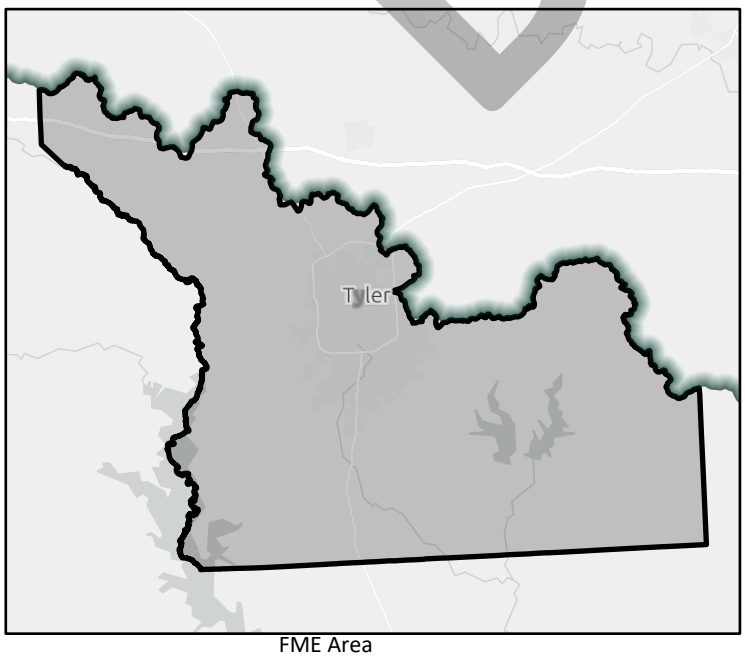
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.): 216 Roadways impacted (miles): 50

# of low water crossings: 42 # of historical road closures: 42

Estimated Cost and Funding Availability

Total Cost: $1,225,342 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Trinity County Update Flood Hazard Mapping

ID#: 051000020 Sponsor: Trinity (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Trinity

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 342

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 15 # of structures: 32 # of critical facilities: 0

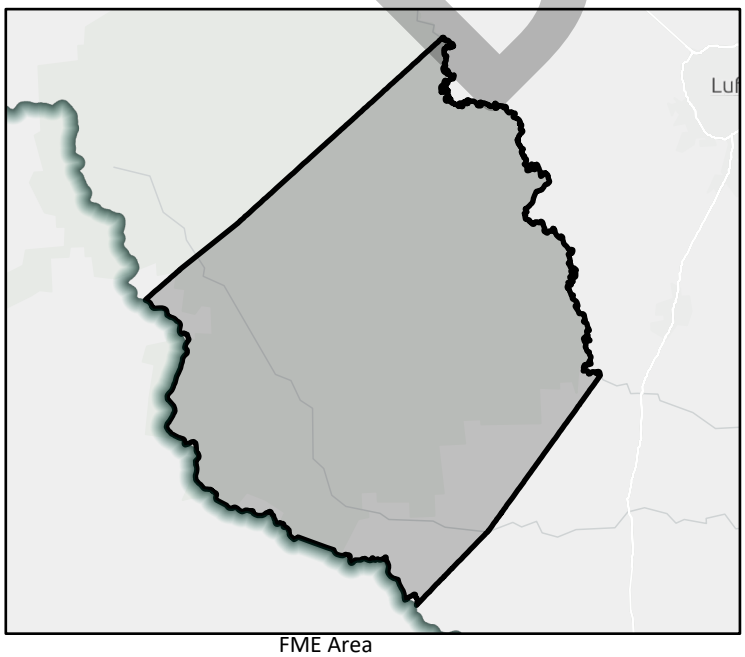
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.): 68 Roadways impacted (miles): 22

# of low water crossings: 1 # of historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: $1,540,238 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Tyler County Update Flood Hazard Mapping

ID#: 051000021 Sponsor: Tyler (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Tyler

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 932

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 329 # of structures: 545 # of critical facilities: 0

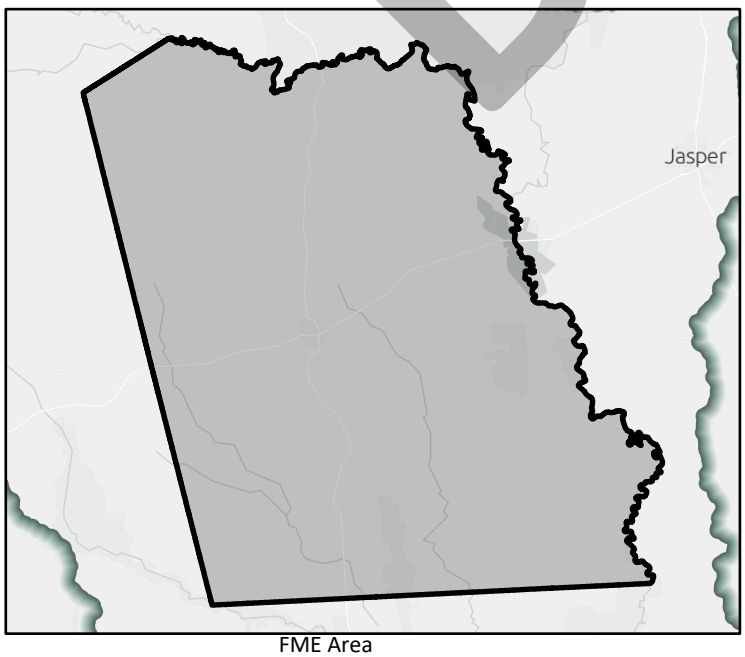
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.): 82 Roadways impacted (miles): 42

# of low water crossings: 8 # of historical road closures: 8

Estimated Cost and Funding Availability

Total Cost: $1,800,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Van Zandt County Update Flood Hazard Mapping

ID#: 051000022 Sponsor: Van Zandt (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Van Zandt

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 244

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 233 # of structures: 217 # of critical facilities: 0

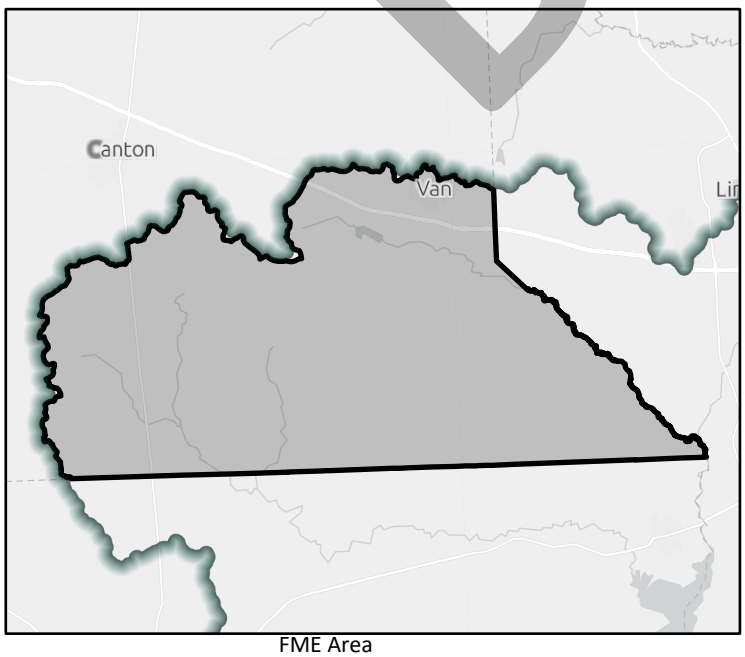
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.): 232 Roadways impacted (miles): 13

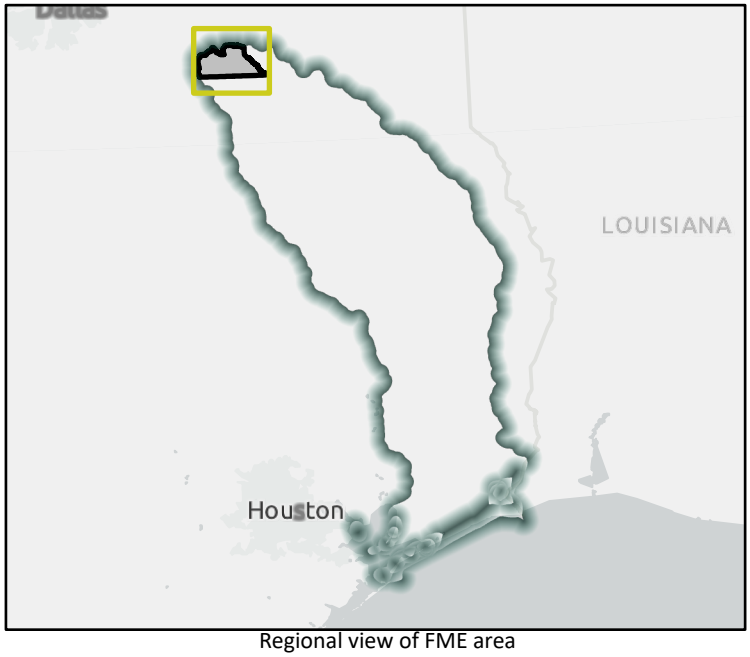
# of low water crossings: 0 # of historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $1,111,237 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Anderson County Master Drainage Plan

ID#: 051000023 Sponsor: Anderson (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Anderson

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 495

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 73 # of structures: 69 # of critical facilities: 0

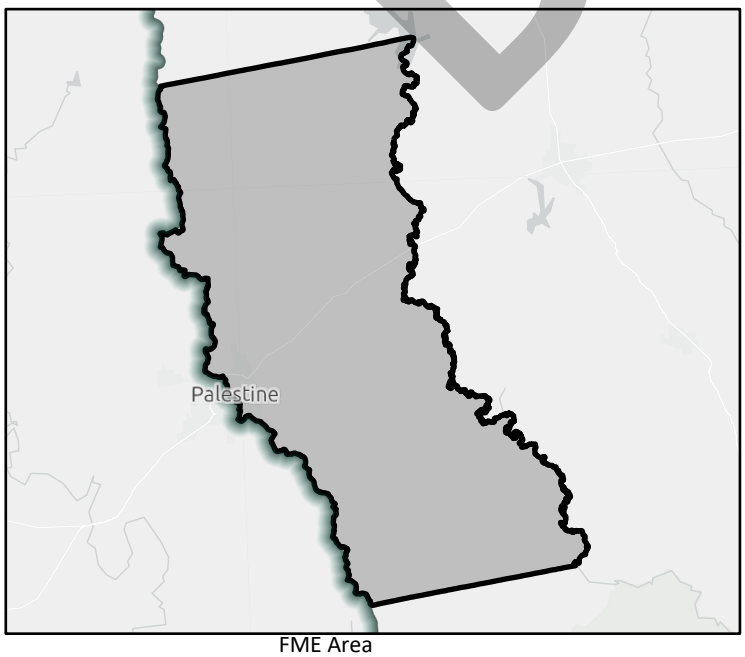
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.): 348 Roadways impacted (miles): 22

# of low water crossings: 2 # of historical road closures: 2

Estimated Cost and Funding Availability

Total Cost: $737,953 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Angelina County Master Drainage Plan

ID#: 051000024 Sponsor: Angelina (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Angelina

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 861

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 8,420 # of structures: 1,201 # of critical facilities: 11

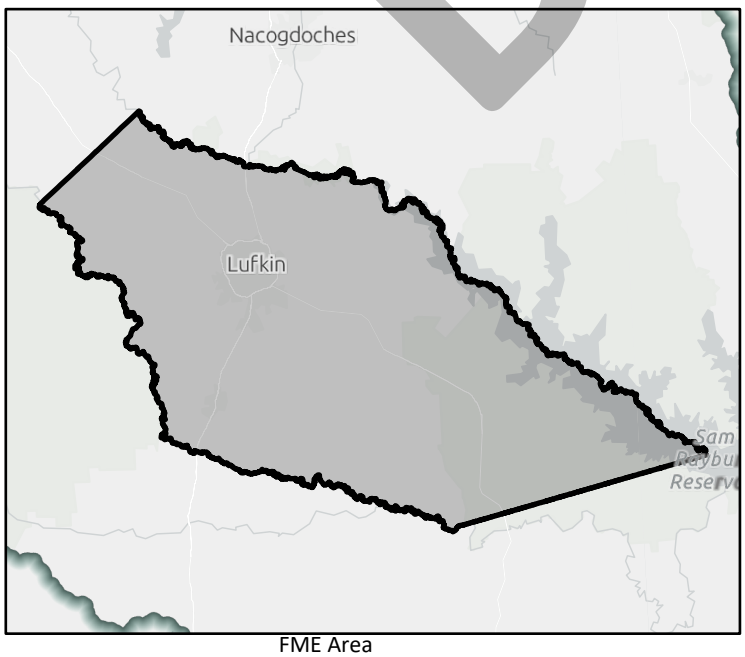
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.): 165 Roadways impacted (miles): 66

# of low water crossings: 19 # of historical road closures: 19

Estimated Cost and Funding Availability

Total Cost: $1,700,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Chambers County Master Drainage Plan

ID#: 051000025 Sponsor: Chambers (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Chambers

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 434

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 1,431 # of structures: 1,175 # of critical facilities: 0

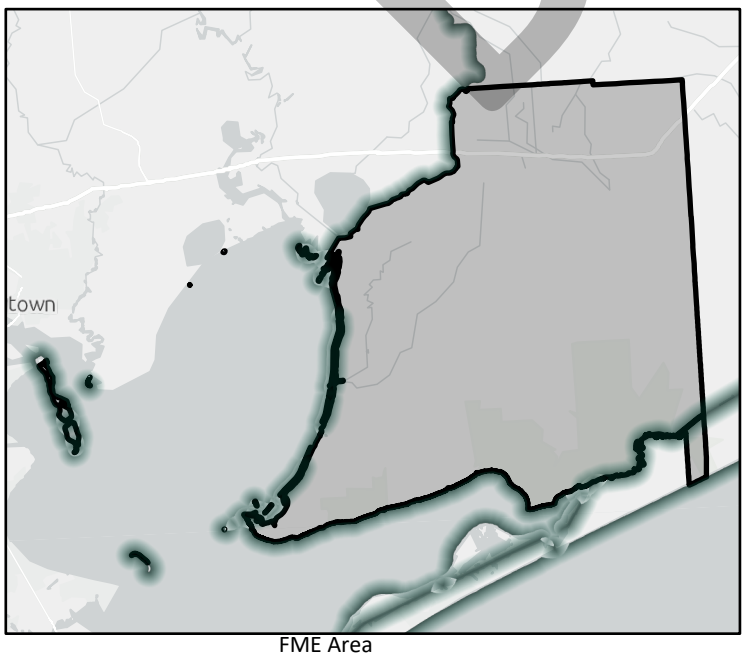
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.): 36,933 Roadways impacted (miles): 162

# of low water crossings: 0 # of historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $1,600,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Cherokee County Master Drainage Plan

ID#: 051000026 Sponsor: Cherokee (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Cherokee

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 1,058

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 1,382 # of structures: 672 # of critical facilities: 1

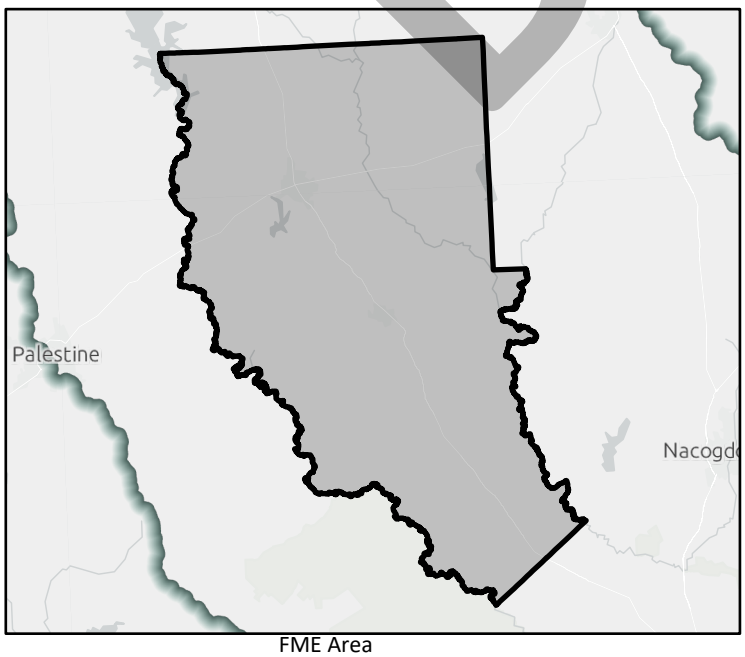
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.): 920 Roadways impacted (miles): 49

# of low water crossings: 10 # of historical road closures: 10

Estimated Cost and Funding Availability

Total Cost: $1,600,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Master Drainage Plan

ID# 051000027 Sponsor: Hardin (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Hardin

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 888

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 10,528 # of structures: 3,678 # of critical facilities: 25

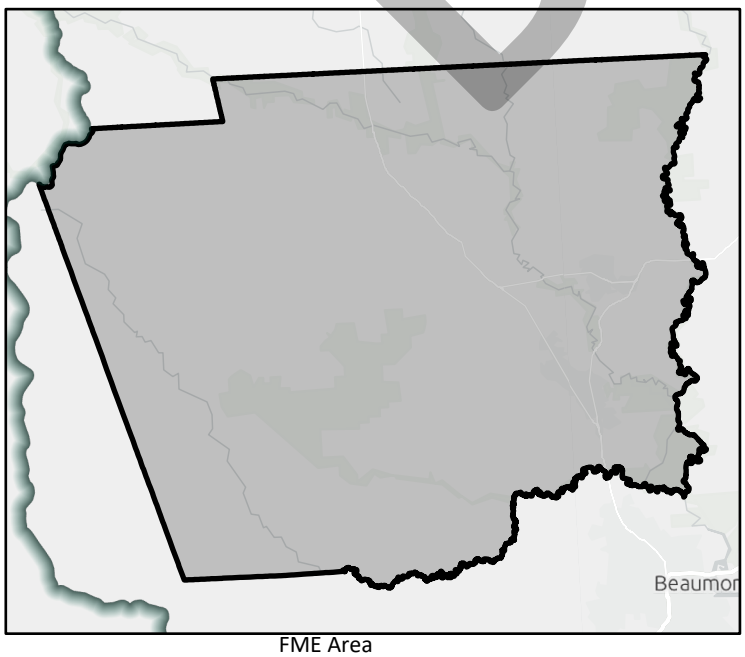
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.): 743 Roadways impacted (miles): 136

# of low water crossings: 13 # of historical road closures: 13

Estimated Cost and Funding Availability

Total Cost: $1,000,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Henderson County Master Drainage Plan

ID#: 051000028 Sponsor: Henderson (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Henderson

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 374

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 267 # of structures: 240 # of critical facilities: 0

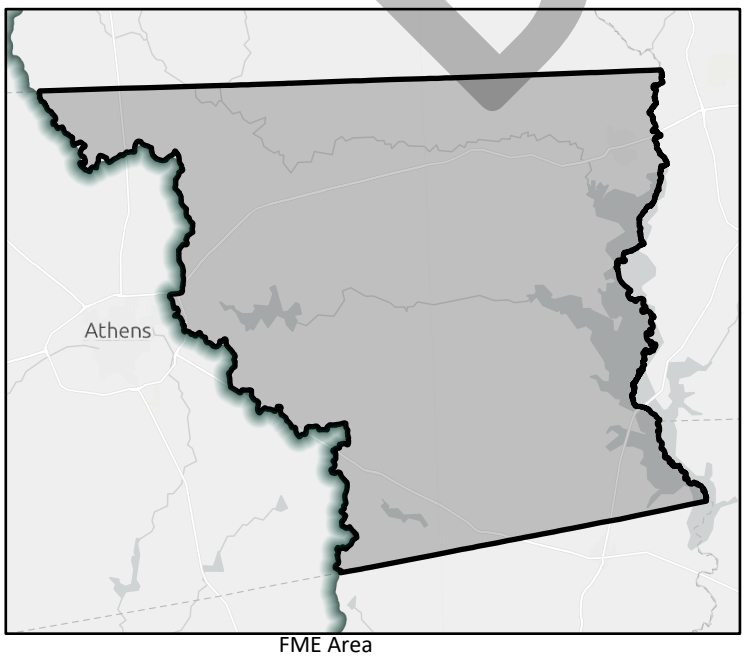
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.): 348 Roadways impacted (miles): 20

# of low water crossings: 1 # of historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: $1,900,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Houston County Master Drainage Plan

ID#: 051000029 Sponsor: Houston (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Houston

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 418

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 16 # of structures: 17 # of critical facilities: 0

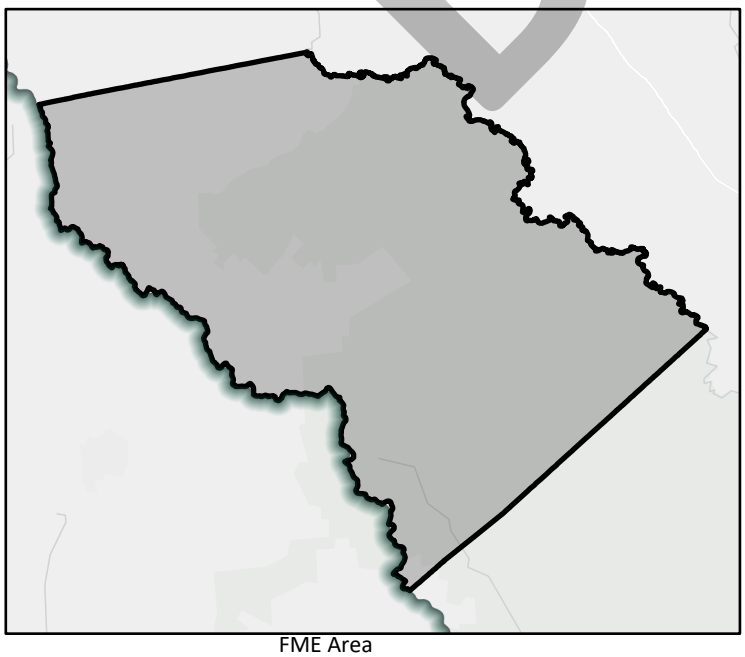
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.): 117 Roadways impacted (miles): 20

# of low water crossings: 7 # of historical road closures: 7

Estimated Cost and Funding Availability

Total Cost: $610,983 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Jasper County Master Drainage Plan

ID#: 051000030 Sponsor: Jasper (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Jasper

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 615

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 1,655 # of structures: 756 # of critical facilities: 7

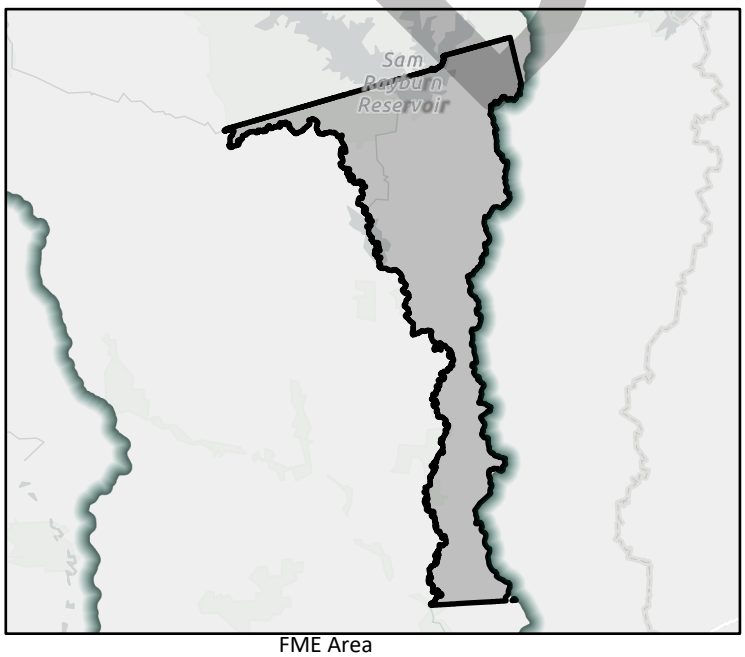
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.): 104 Roadways impacted (miles): 46

# of low water crossings: 3 # of historical road closures: 3

Estimated Cost and Funding Availability

Total Cost: $1,200,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Master Drainage Plan

ID#: 051000031 Sponsor: Jefferson (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Jefferson

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 954

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 40,765 # of structures: 12,869 # of critical facilities: 316

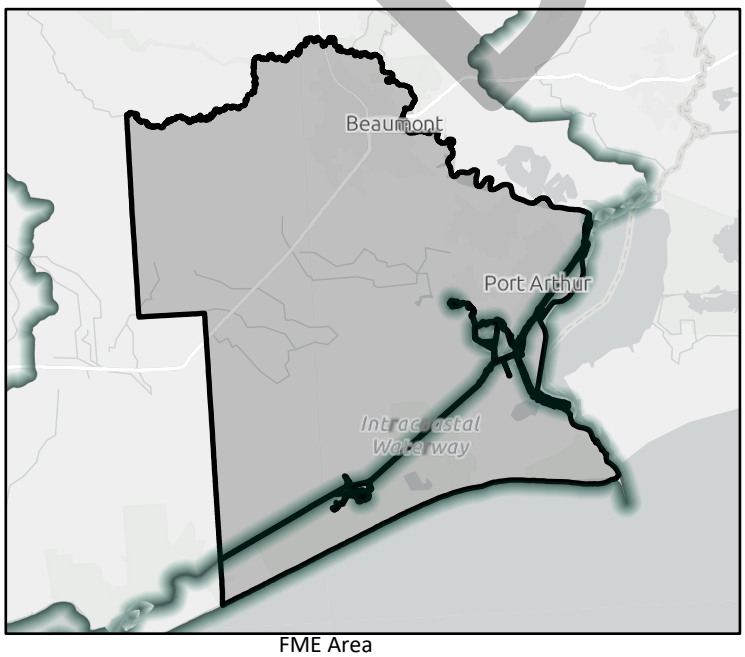
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.): 33,019 Roadways impacted (miles): 474

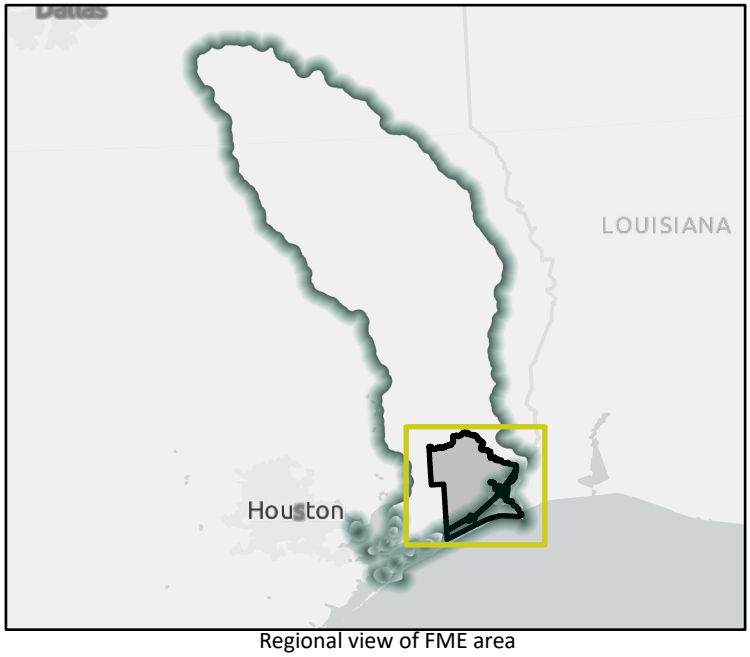
# of low water crossings: 22 # of historical road closures: 22

Estimated Cost and Funding Availability

Total Cost: $1,100,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Liberty County Master Drainage Plan

ID#: 051000032 Sponsor: Liberty County Drainage District

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Liberty

Study description: Complete a county wide drainage plan, which can be used for regulatory purposes.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 235

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 143 # of structures: 116 # of critical facilities: 1

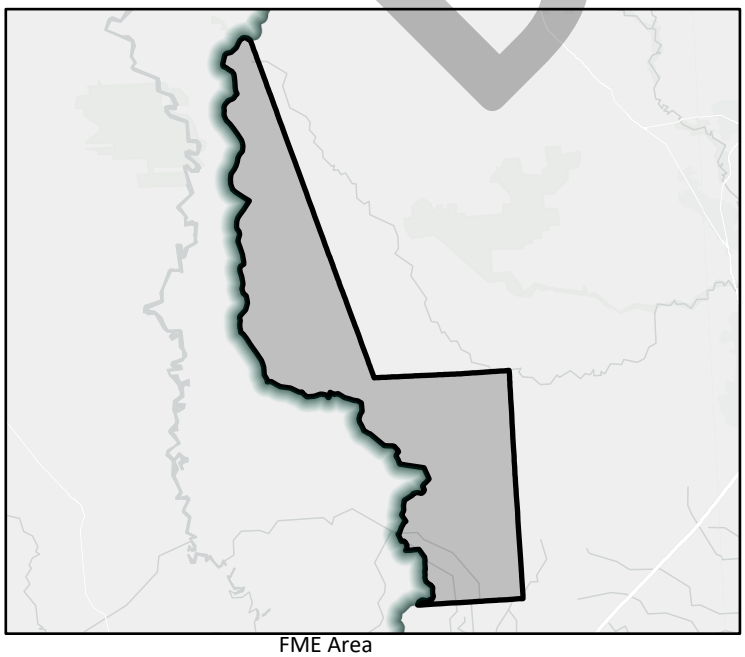
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.): 1,526 Roadways impacted (miles): 7

# of low water crossings: 0 # of historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $201,313 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Nacogdoches County Master Drainage Plan

ID# 051000033 Sponsor: Nacogdoches (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Nacogdoches

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 977

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 5,475 # of structures: 585 # of critical facilities: 1

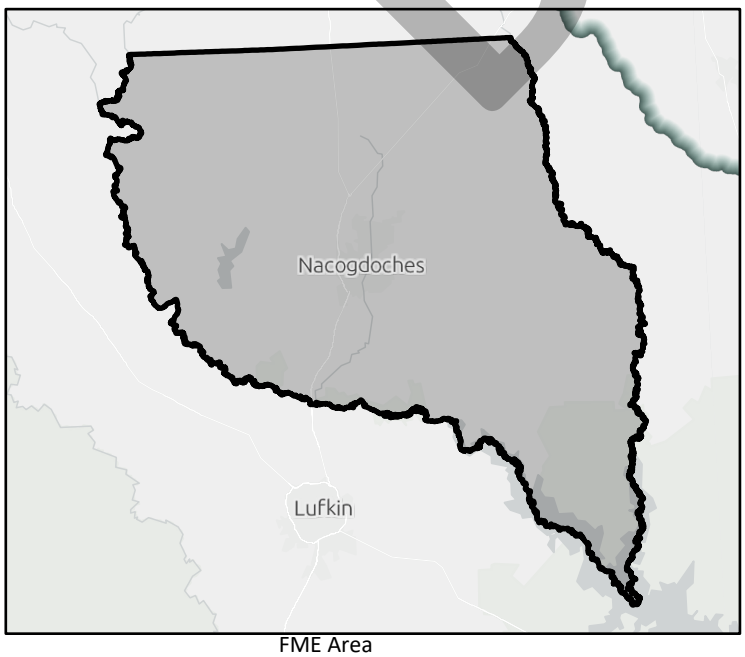
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.): 240 Roadways impacted (miles): 38

# of low water crossings: 20 # of historical road closures: 20

Estimated Cost and Funding Availability

Total Cost: $1,900,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Orange County Master Drainage Plan

ID#: 051000034 Sponsor: Orange (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Orange

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 156

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 11,929 # of structures: 5,007 # of critical facilities: 36

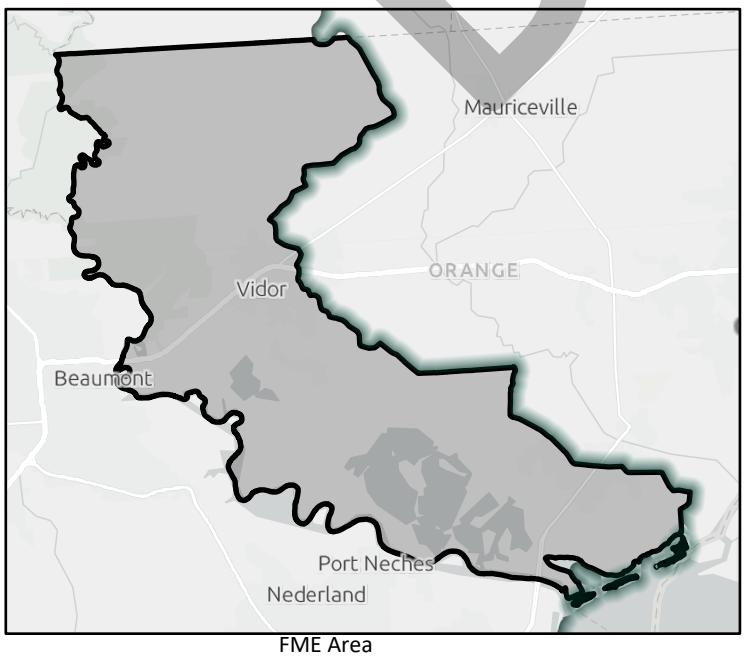
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.): 346 Roadways impacted (miles): 136

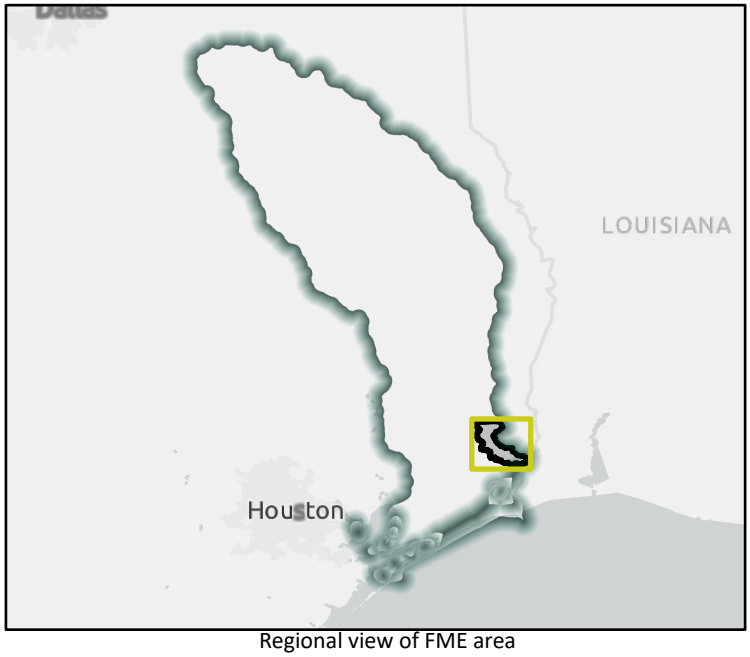
# of low water crossings: 20 # of historical road closures: 20

Estimated Cost and Funding Availability

Total Cost: $450,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Polk County Master Drainage Plan

ID#: 051000035 Sponsor: Polk (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Polk

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 535

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
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100-Year Flood Risk Summary

Population at risk: 368 # of structures: 84 # of critical facilities: 0

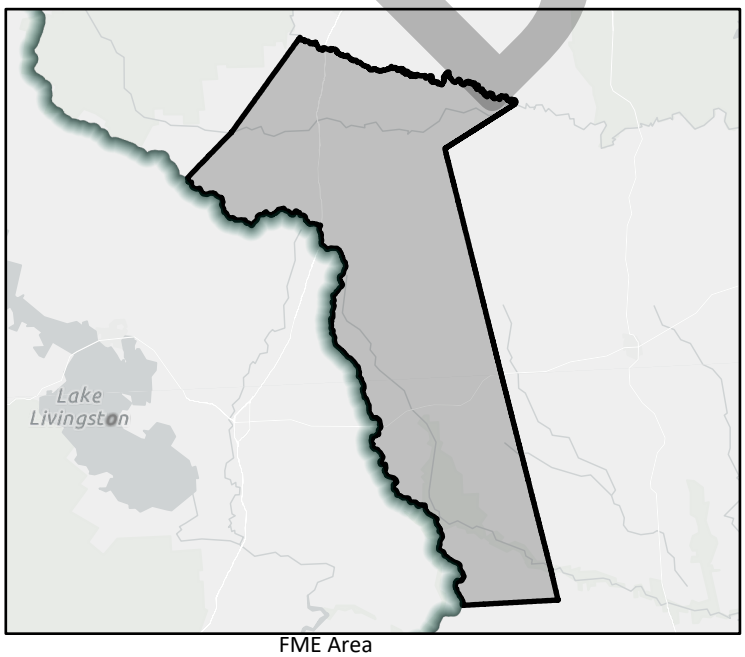
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.): 62 Roadways impacted (miles): 17

# of low water crossings: 8 # of historical road closures: 8

Estimated Cost and Funding Availability

Total Cost: $150,021 Potential federal funding availability? Yes Potential Federal Funding Sources: FIF Grant; Local Funds



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Rusk County Master Drainage Plan

ID#: 051000036 Sponsor: Rusk (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Rusk

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 525

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 191 # of structures: 91 # of critical facilities: 1

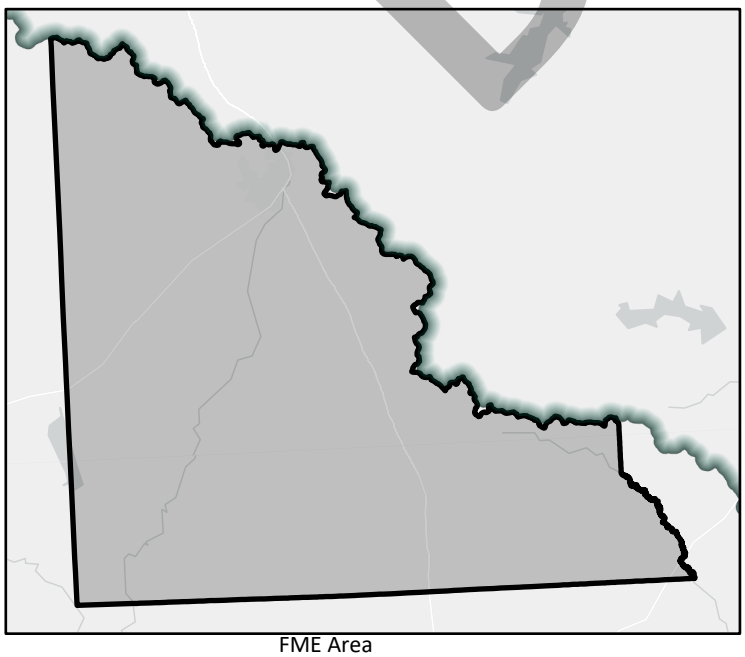
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.): 206 Roadways impacted (miles): 21

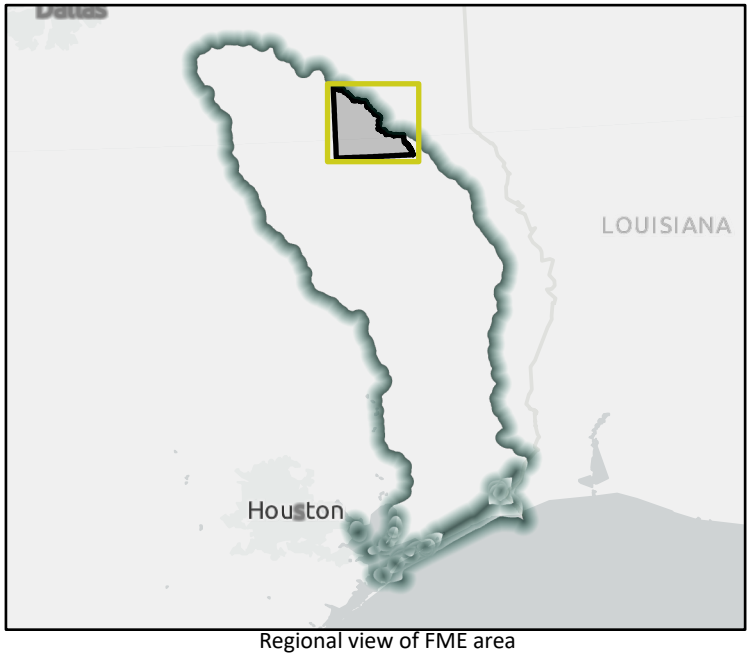
# of low water crossings: 0 # of historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $1,400,000 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Sabine County Master Drainage Plan

ID#: 051000037 Sponsor: Sabine (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: Sabine

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 95

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
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100-Year Flood Risk Summary

Population at risk: 16 # of structures: 11 # of critical facilities: 0

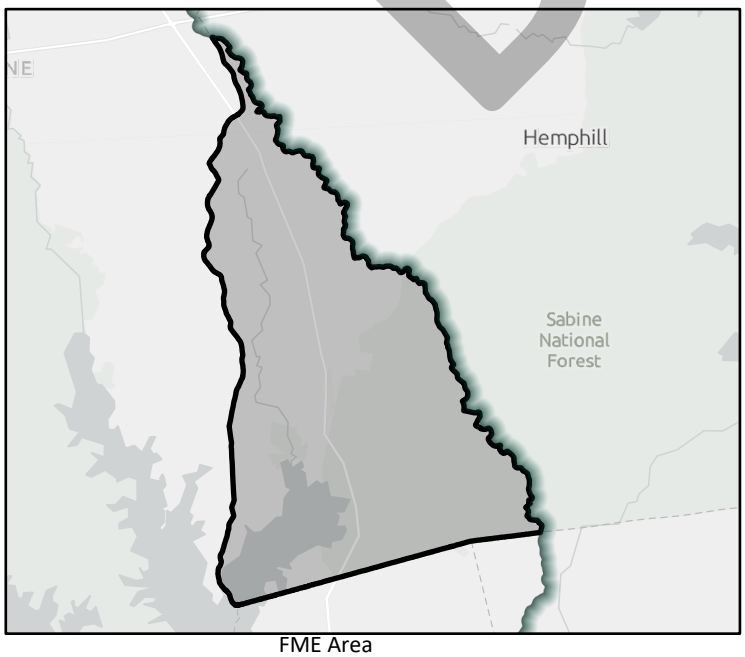
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.): 5 Roadways impacted (miles): 3

# of low water crossings: 1 # of historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: $76,348 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: San Augustine County Master Drainage Plan

ID#: 051000038 Sponsor: San Augustine (County)

Recommended by RFPG? Yes Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning County: San Augustine

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 533

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
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100-Year Flood Risk Summary

Population at risk: 146 # of structures: 64 # of critical facilities: 0

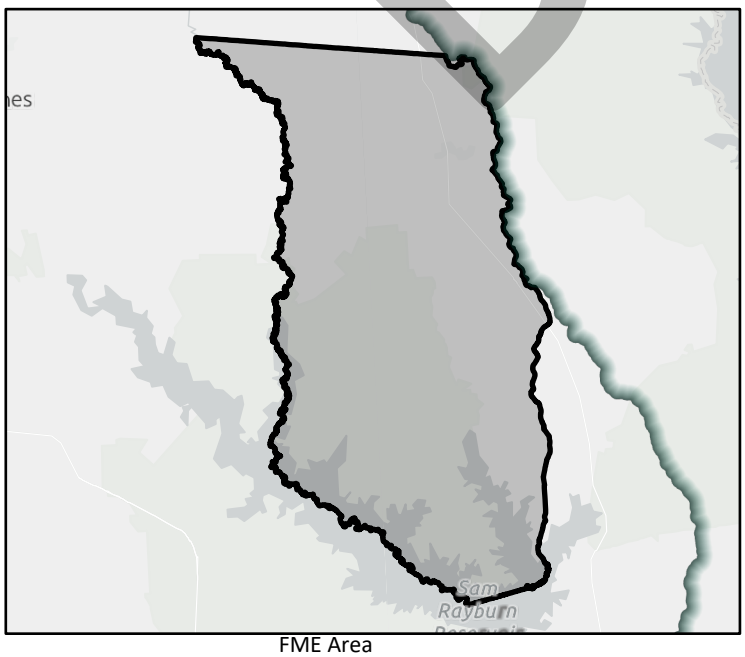
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.): 42 Roadways impacted (miles): 13

# of low water crossings: 2 # of historical road closures: 2

Estimated Cost and Funding Availability

Total Cost: $379,732 Potential federal funding availability? Yes Potential Federal Funding Sources: -



FME Area

Regional view of FME area