

VOLUME 2
Appendix 5-C

FINAL

**REGION 5 NECHES
2023 REGIONAL FLOOD PLAN**

JANUARY 2023

DRAFT

PREPARED FOR THE
REGION 5 NECHES FLOOD PLANNING GROUP

DRAFT

**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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

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 # of structures # of critical facilities

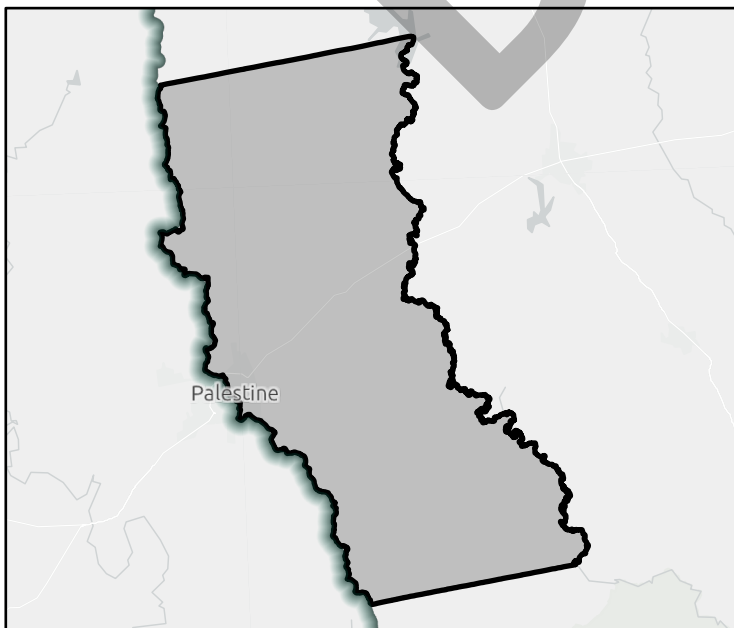
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

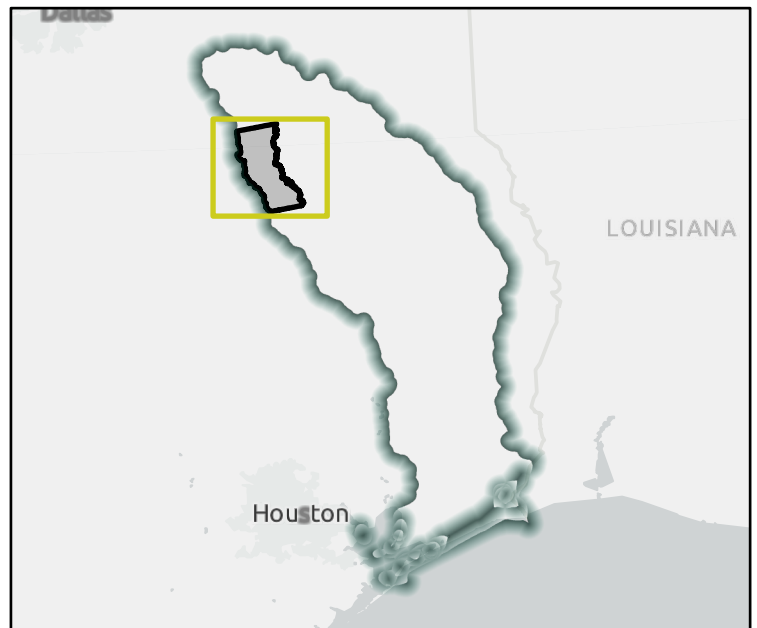
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

ID# Sponsor

Recommended by RFPG? Reason for Recommendation

Study Details

Study type County

Study description

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

Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures # of critical facilities

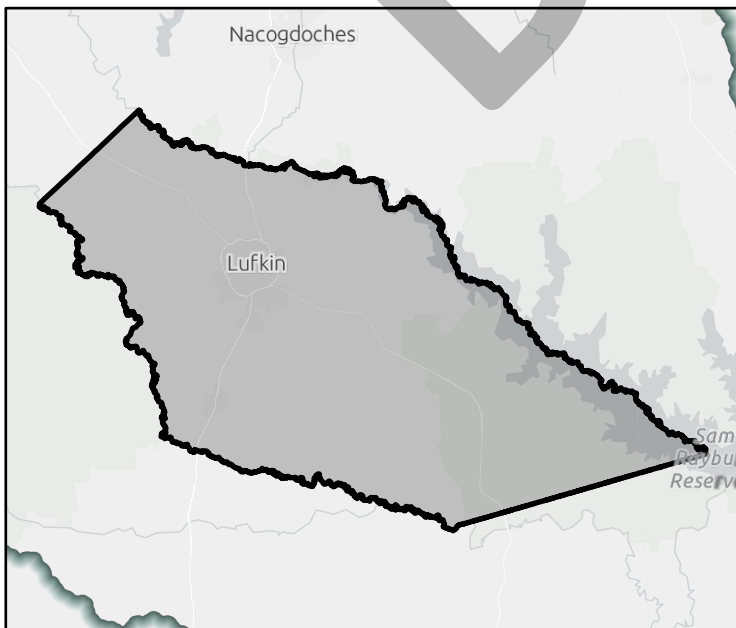
Flood risk type: Riverine? Coastal? Local Flooding? Other?

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost Potential federal funding availability? Potential Federal Funding Sources



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

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 # of structures # of critical facilities

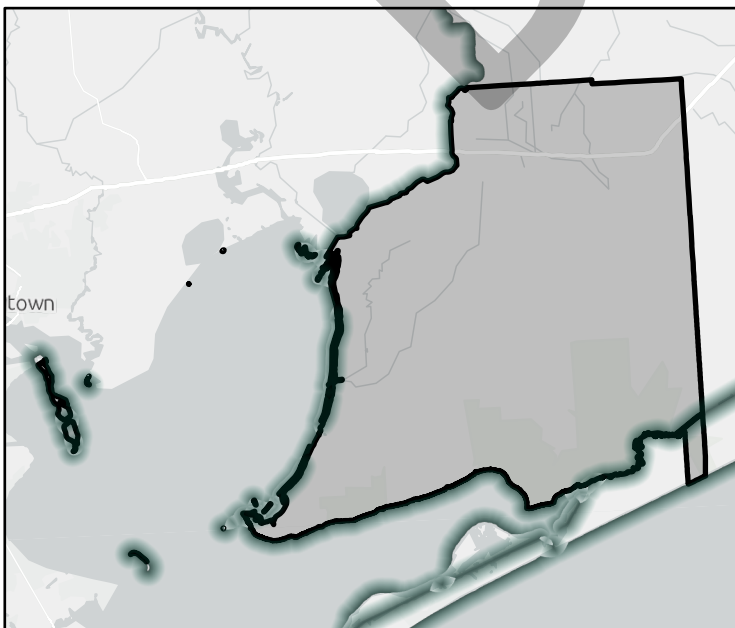
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

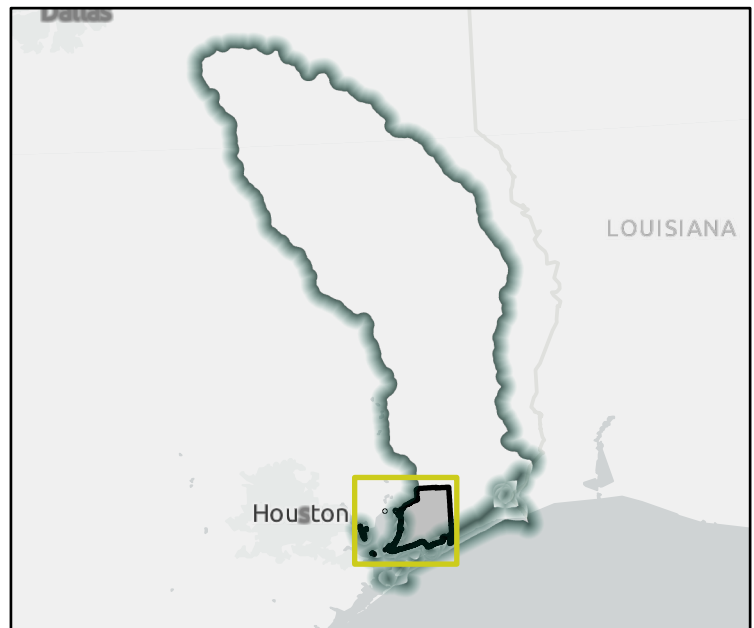
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

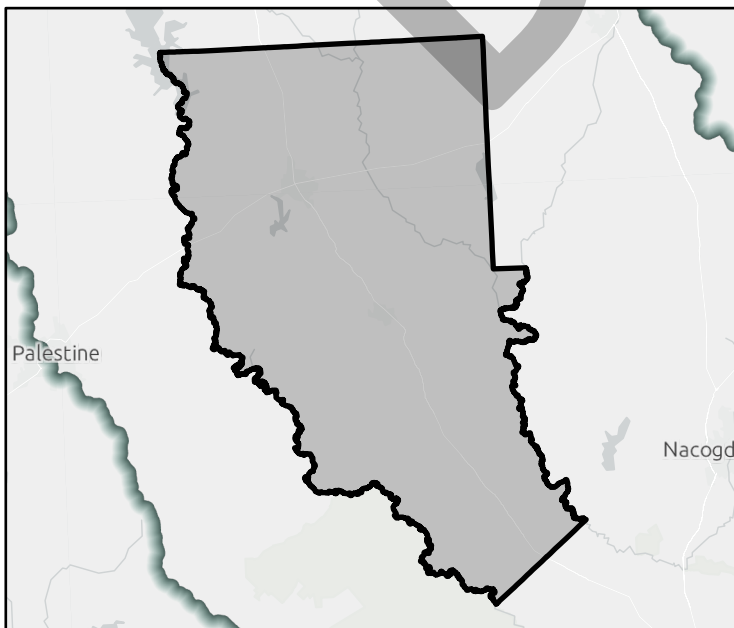
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

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

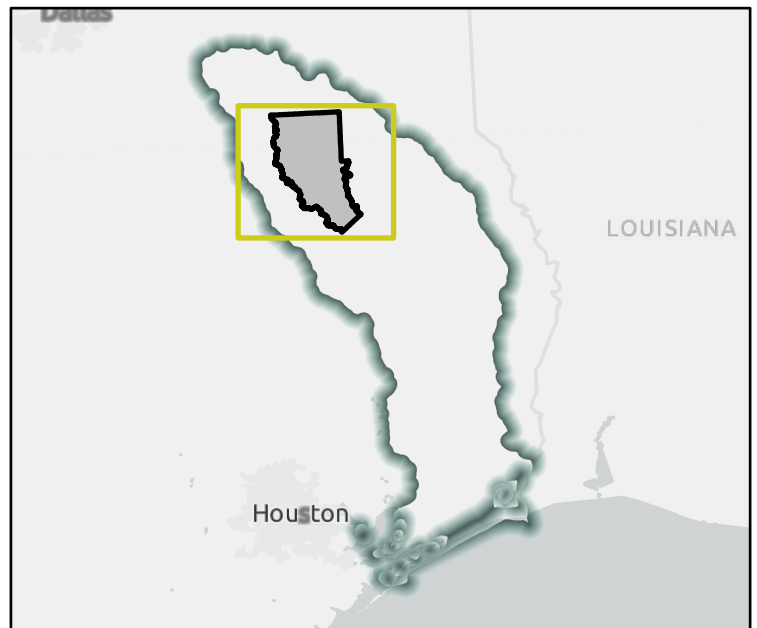
of low water crossings 10 # of historical road closures 10

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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

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 # of structures # of critical facilities

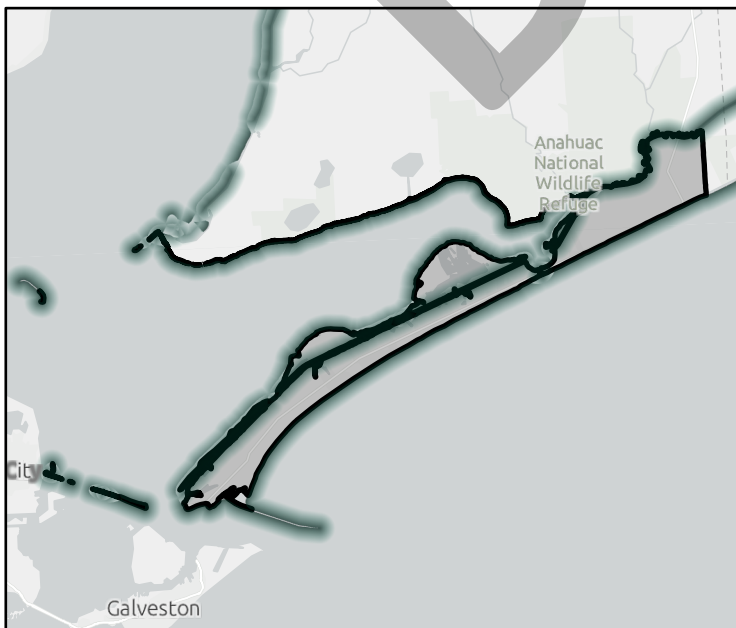
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

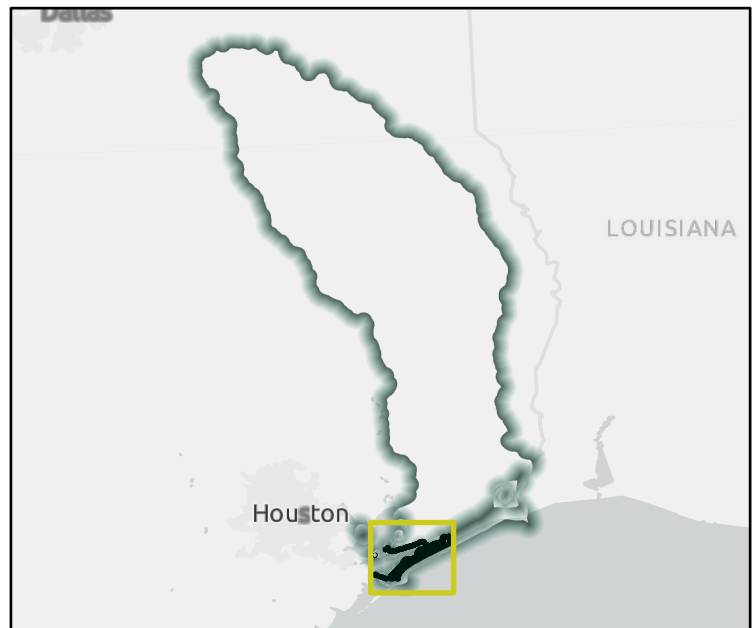
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures # of critical facilities

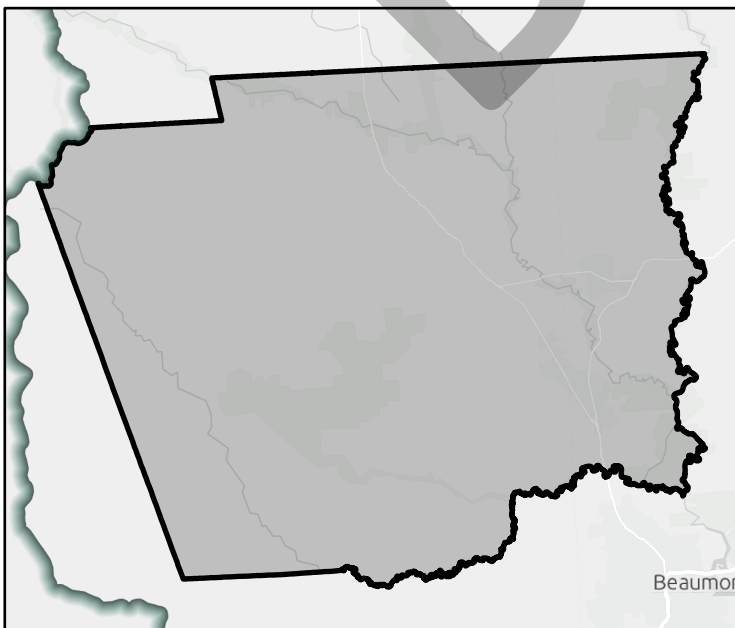
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

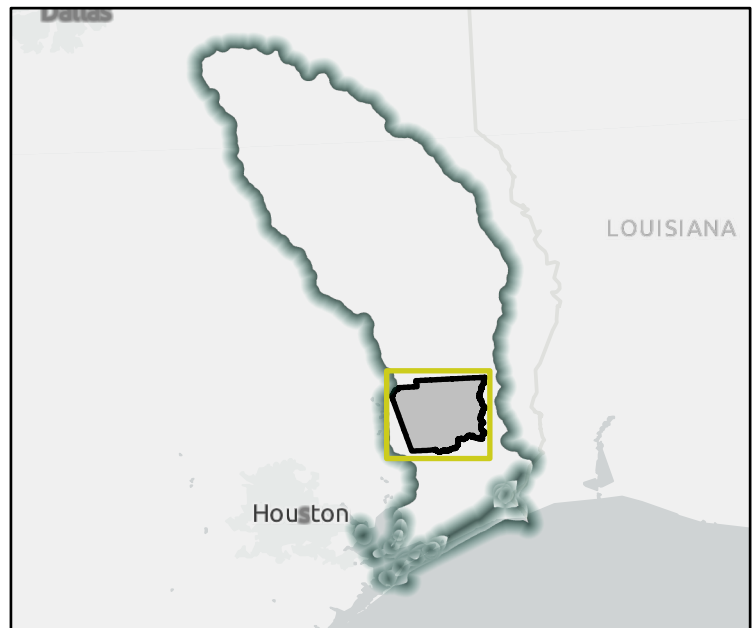
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

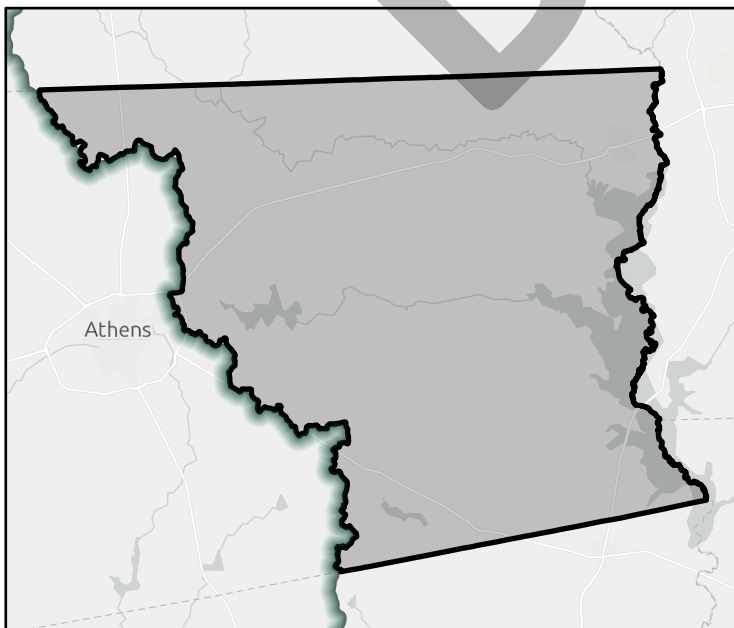
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

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

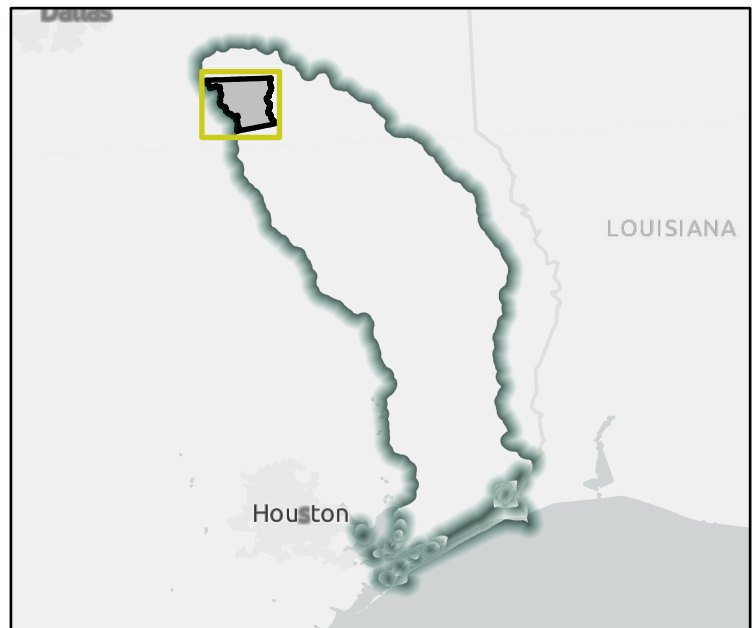
of low water crossings 1 # of historical road closures 1

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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

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 # of structures # of critical facilities

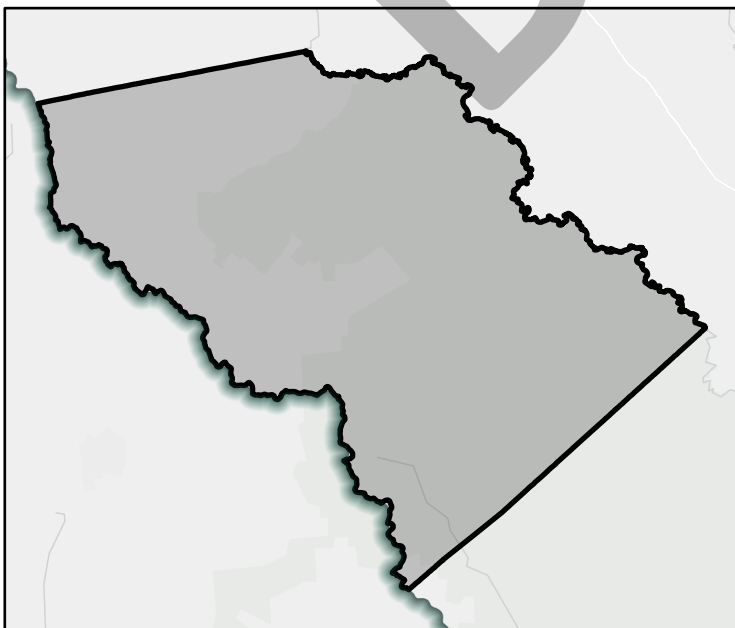
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

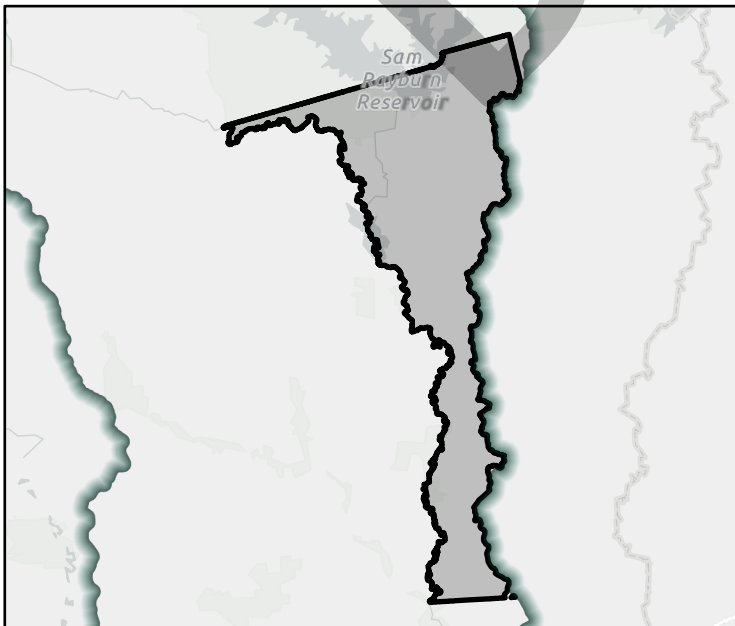
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

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

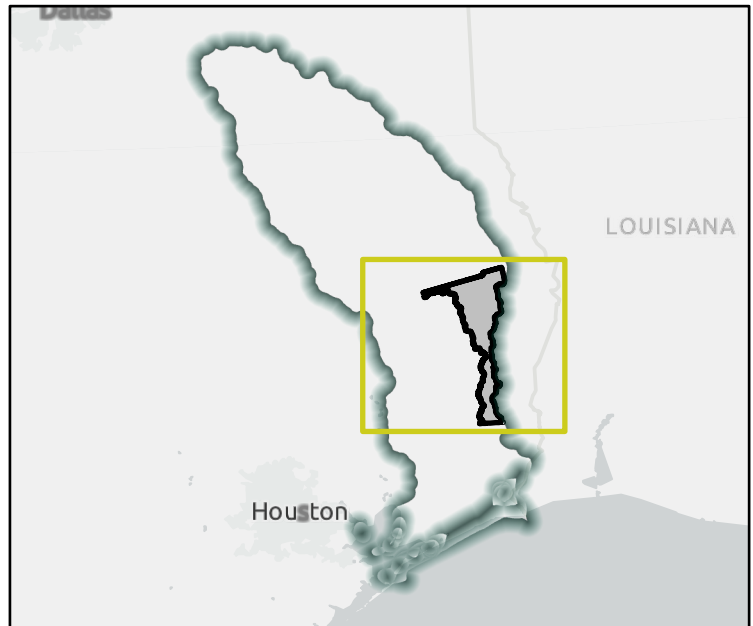
of low water crossings 3 # of historical road closures 3

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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

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 # of structures # of critical facilities

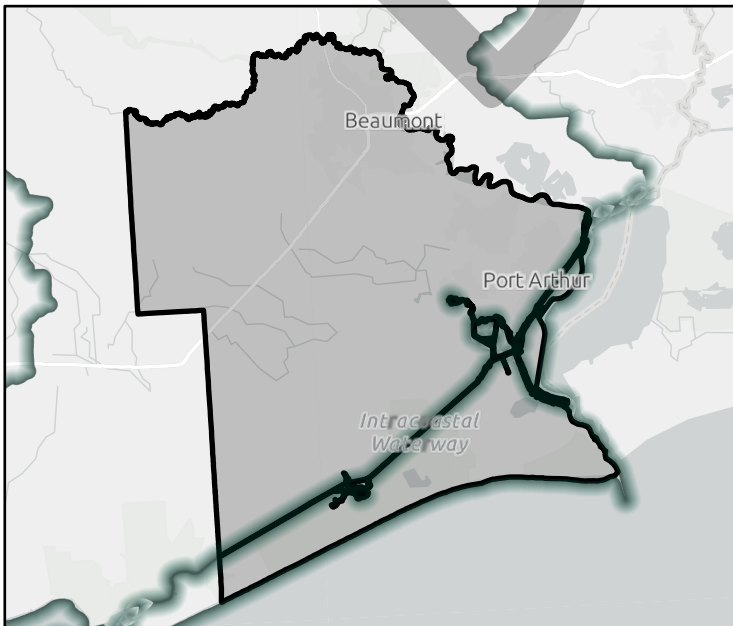
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

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 # of structures # of critical facilities

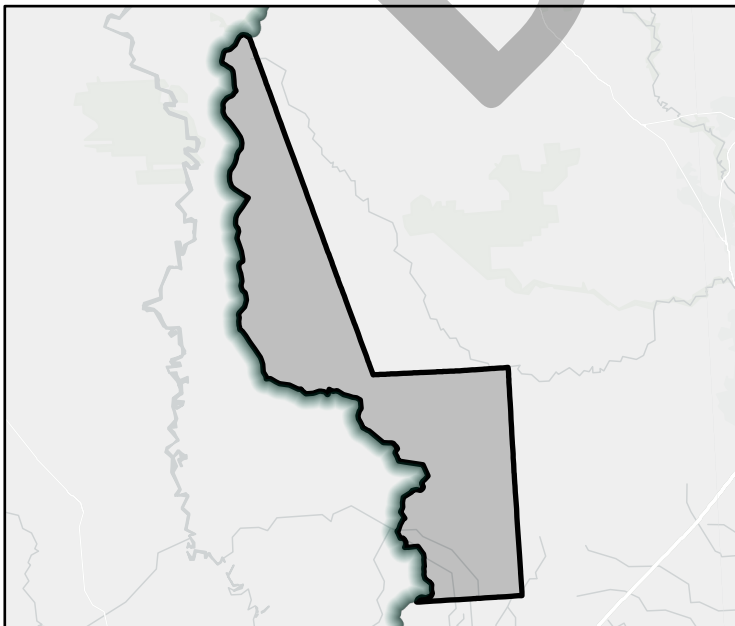
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

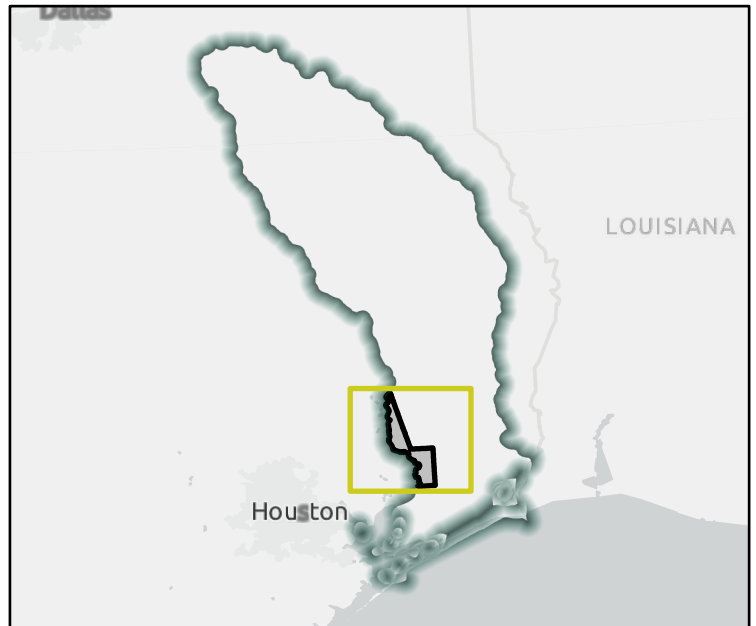
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost Potential federal funding availability? Yes Potential Federal Funding Sources



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title

ID# Sponsor

Recommended by RFPG? Reason for Recommendation

Study Details

Study type County

Study description

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

Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures # of critical facilities

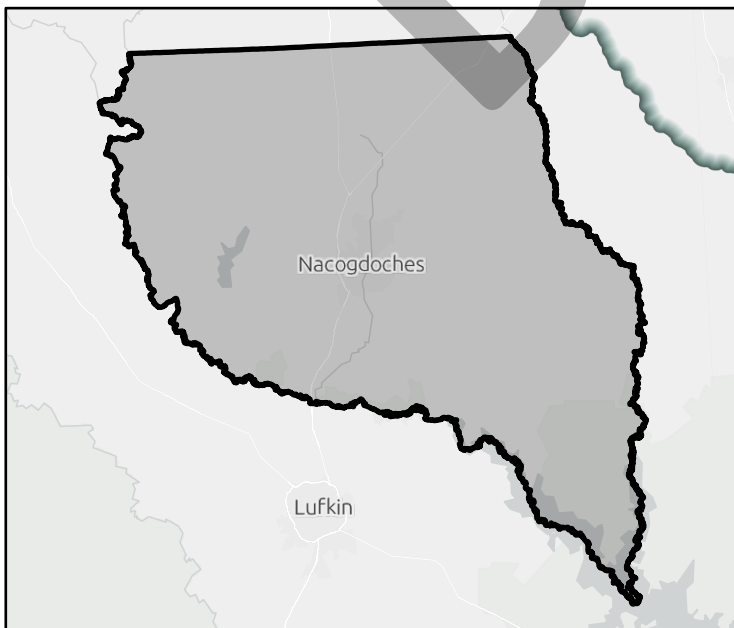
Flood risk type: Riverine? Coastal? Local Flooding? Other?

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

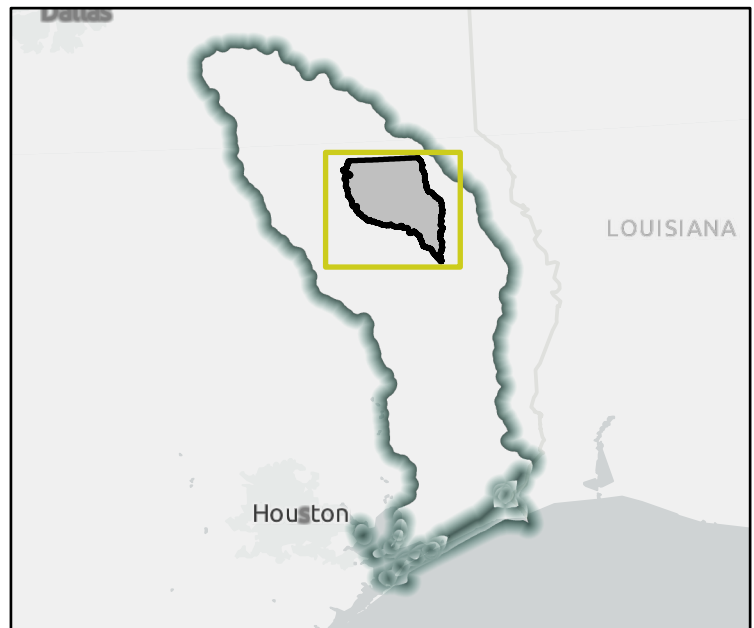
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost Potential federal funding availability? Potential Federal Funding Sources



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

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 # of structures # of critical facilities

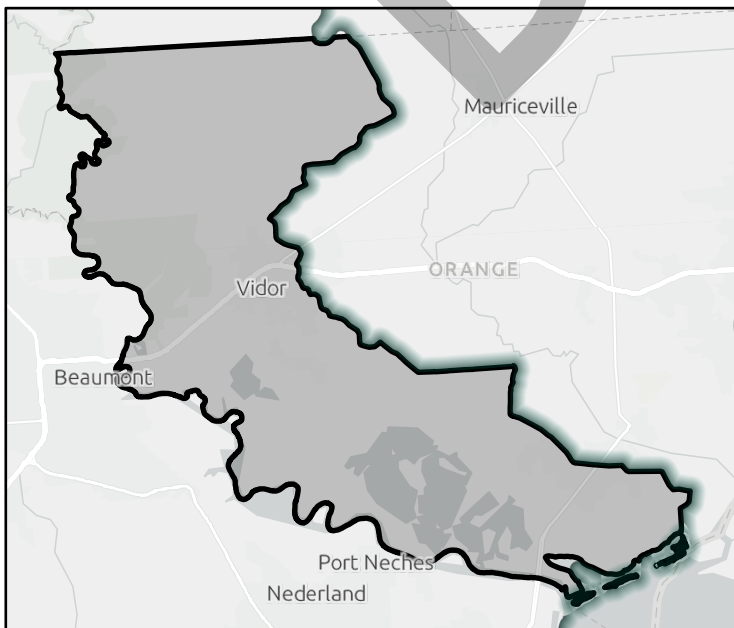
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

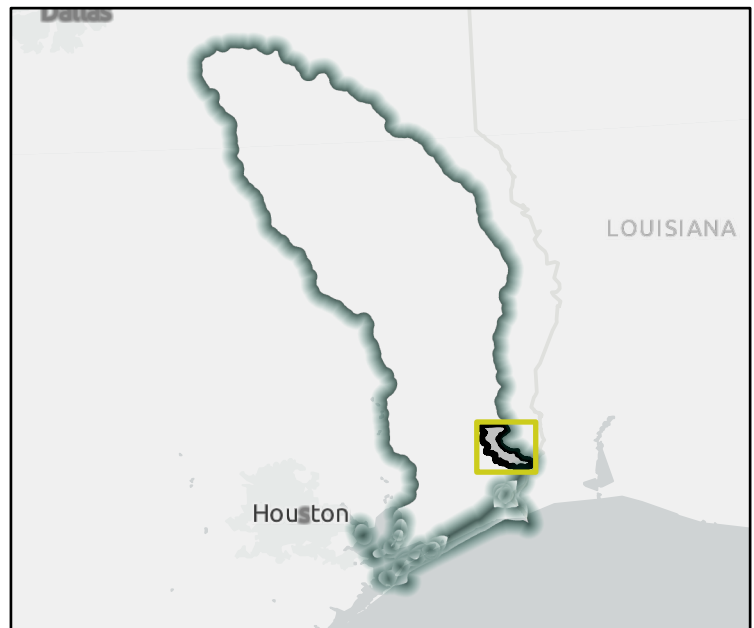
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

ID# Sponsor

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

Study Details

Study type County

Study description

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

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 # of structures # of critical facilities

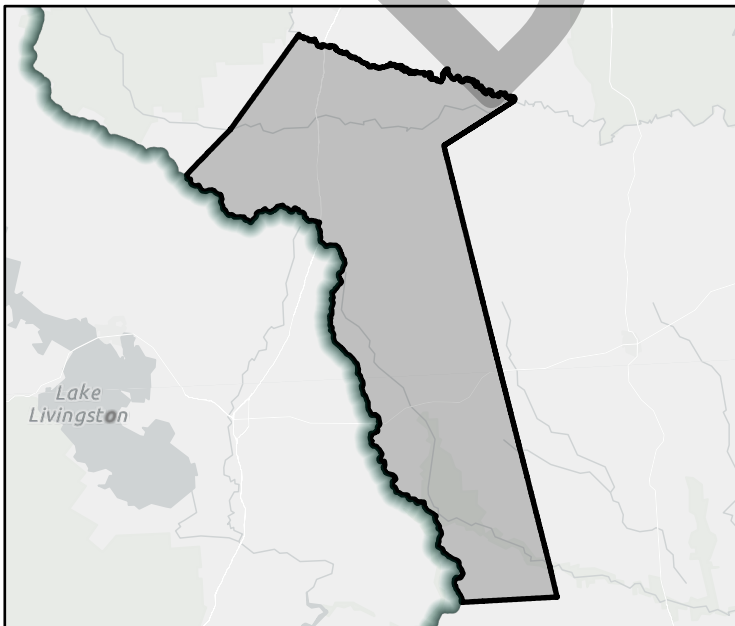
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

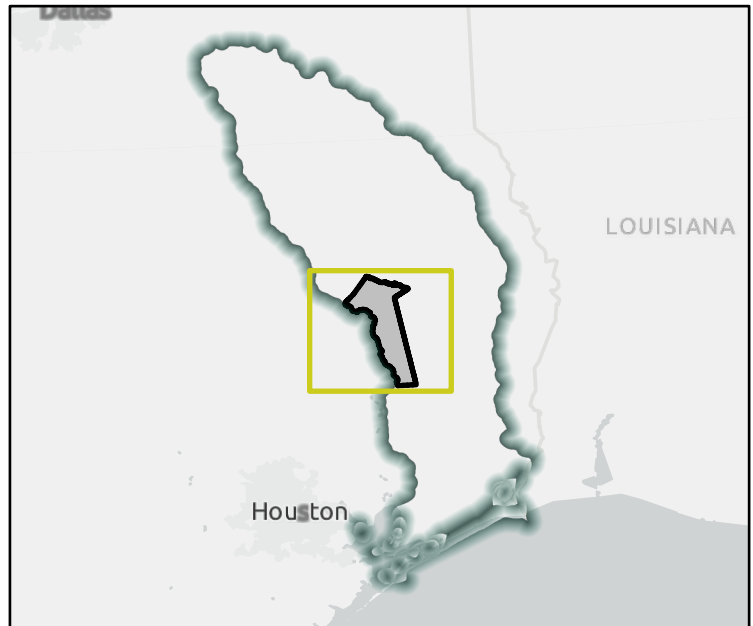
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

ID# Sponsor

Recommended by RFPG? Yes No Reason for Recommendation

Study Details

Study type County

Study description

FME to create new H&H model? Yes No Emergency Need? Yes No Anticipated models in near term? Yes No Drainage area (sq. mi., est.)

Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures # of critical facilities

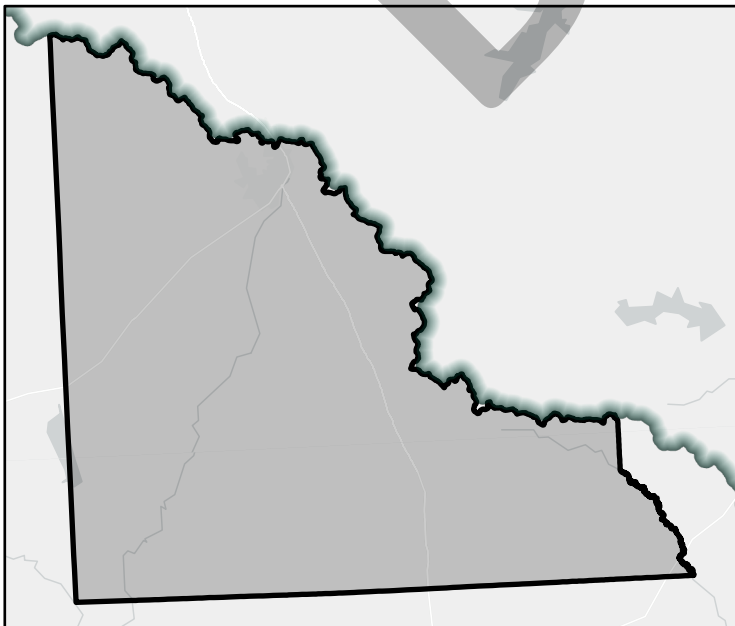
Flood risk type: Riverine? Yes No Coastal? No Yes Local Flooding? Yes No Other? No Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

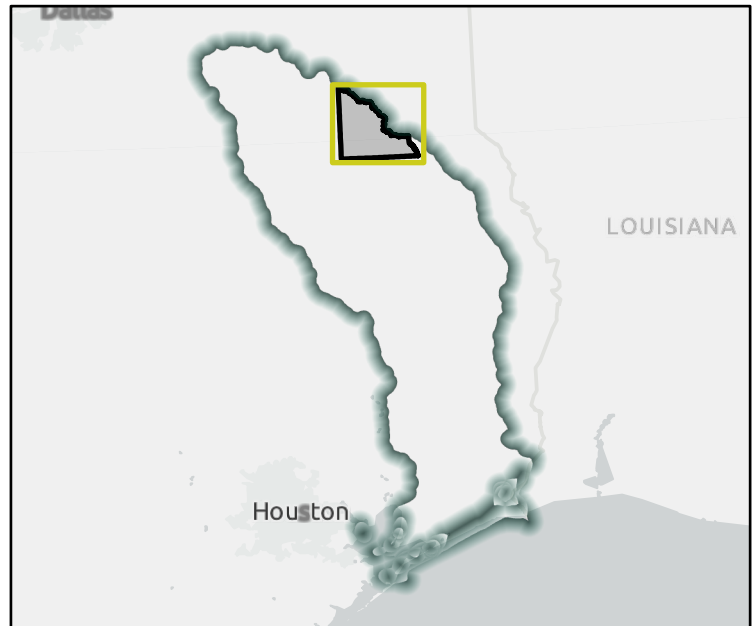
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost Potential federal funding availability? Yes No 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

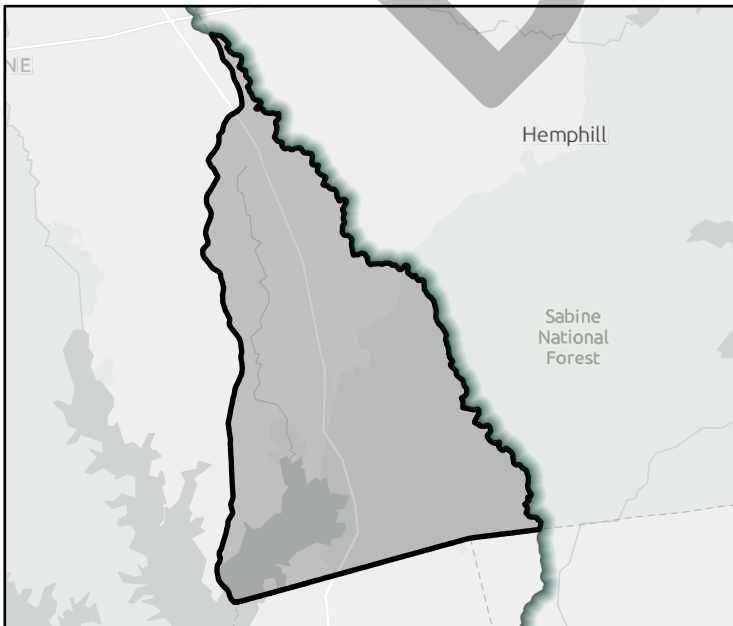
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

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

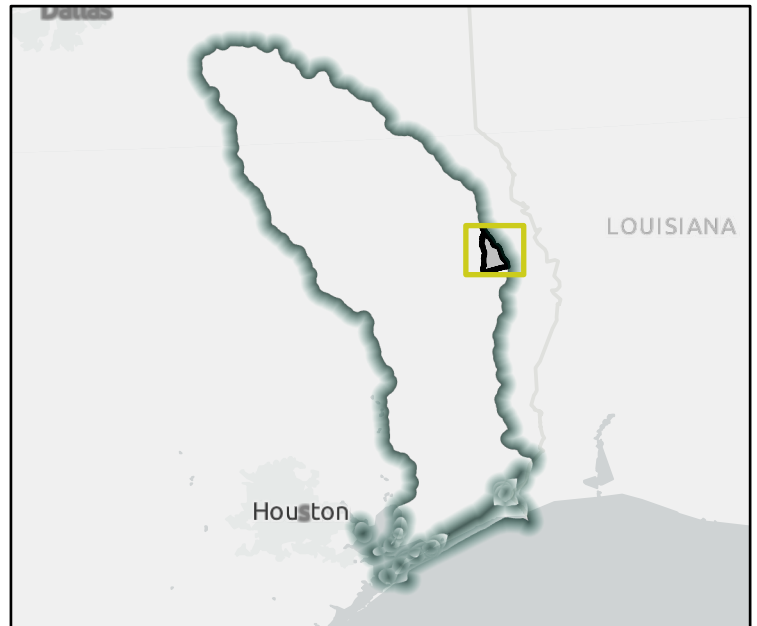
of low water crossings 1 # of historical road closures 1

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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

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 # of structures # of critical facilities

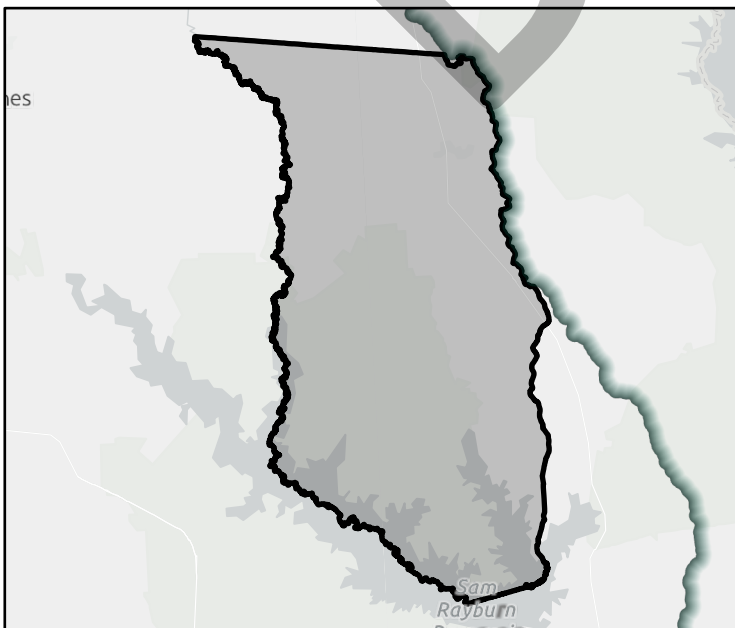
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures # of critical facilities

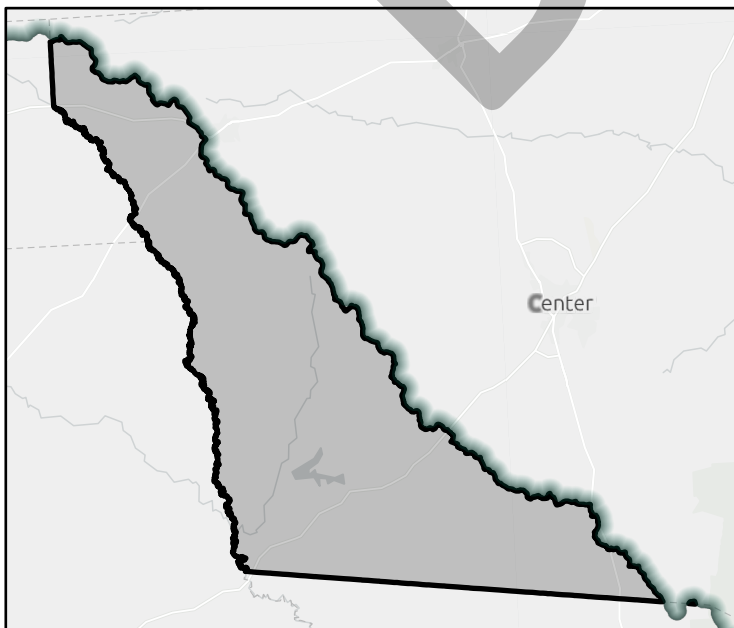
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

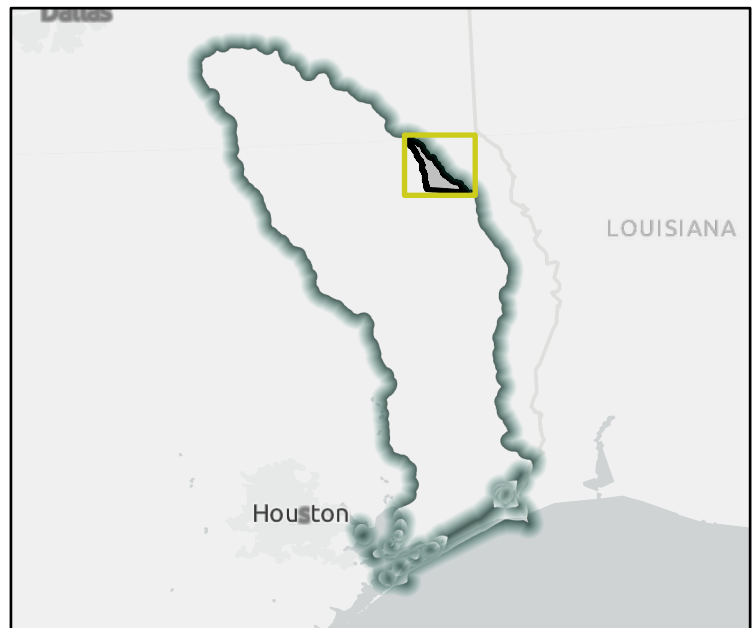
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures # of critical facilities

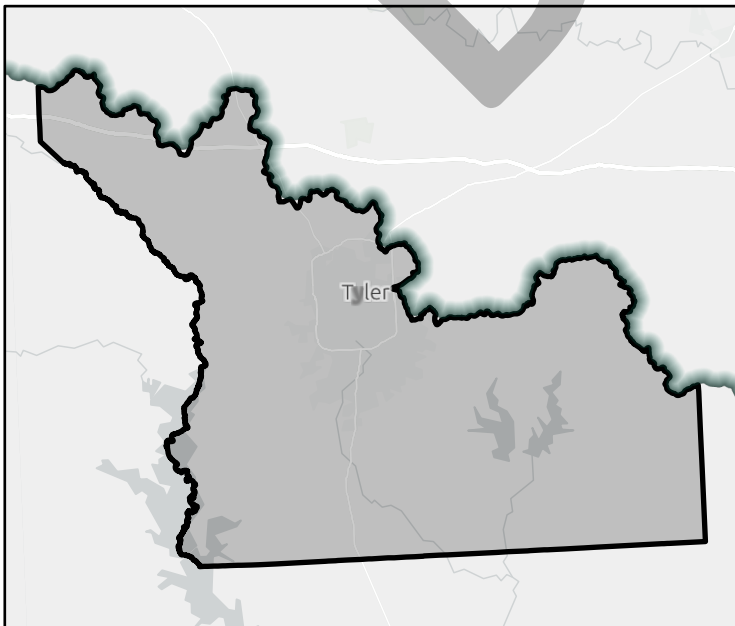
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

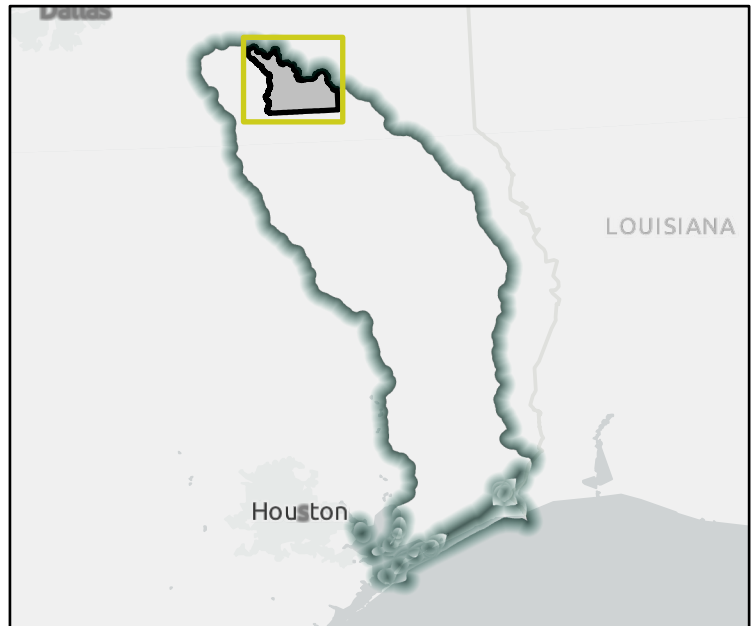
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures # of critical facilities

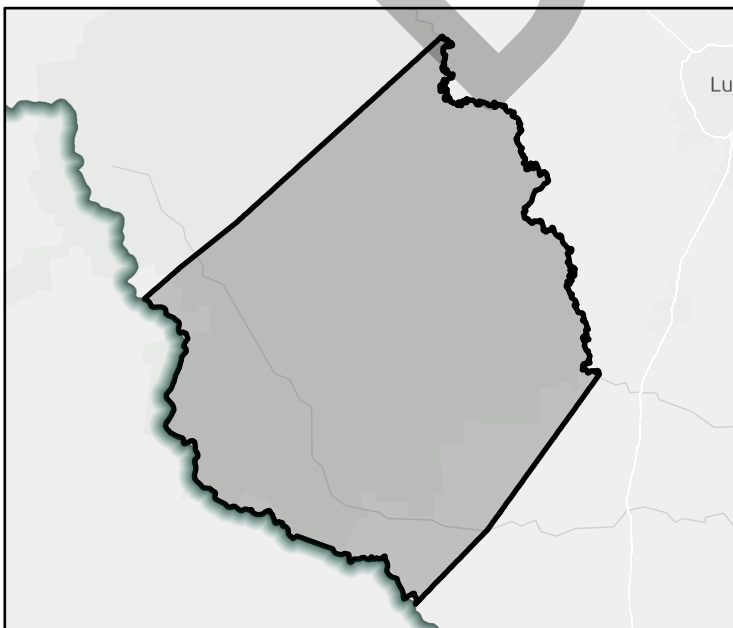
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures # of critical facilities

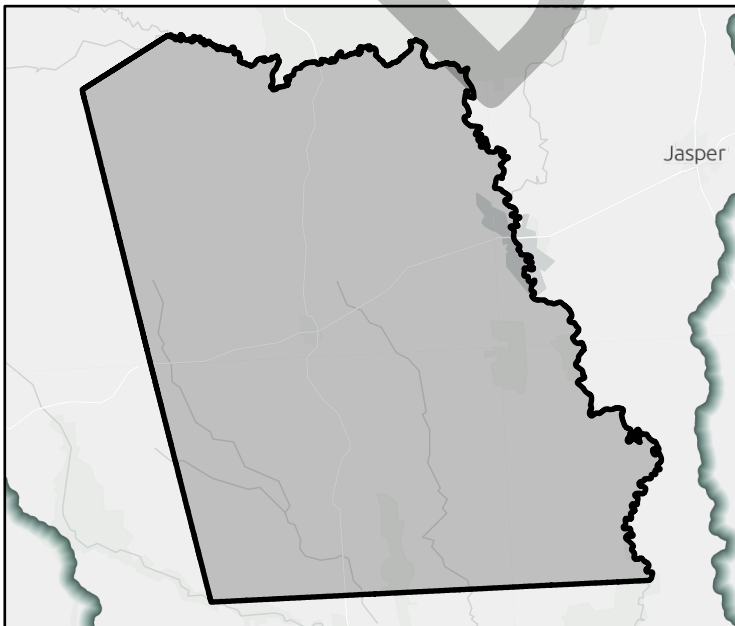
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

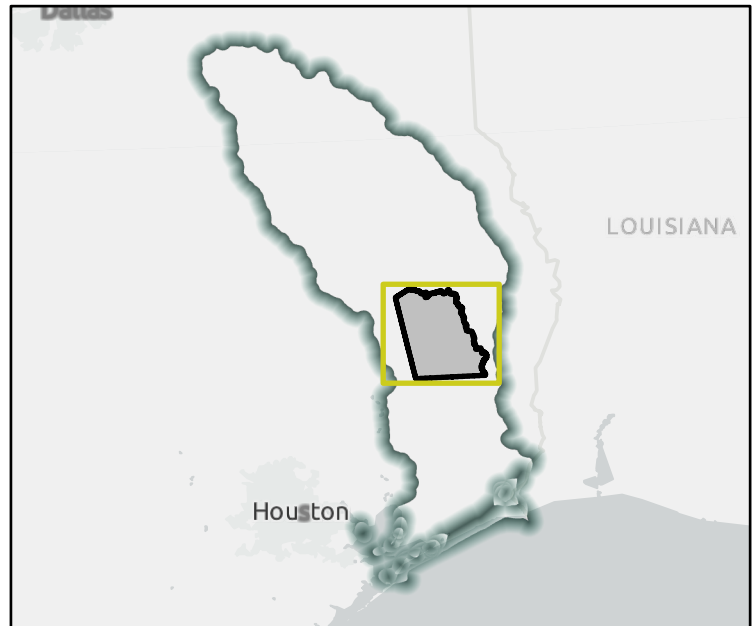
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

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 # of structures # of critical facilities

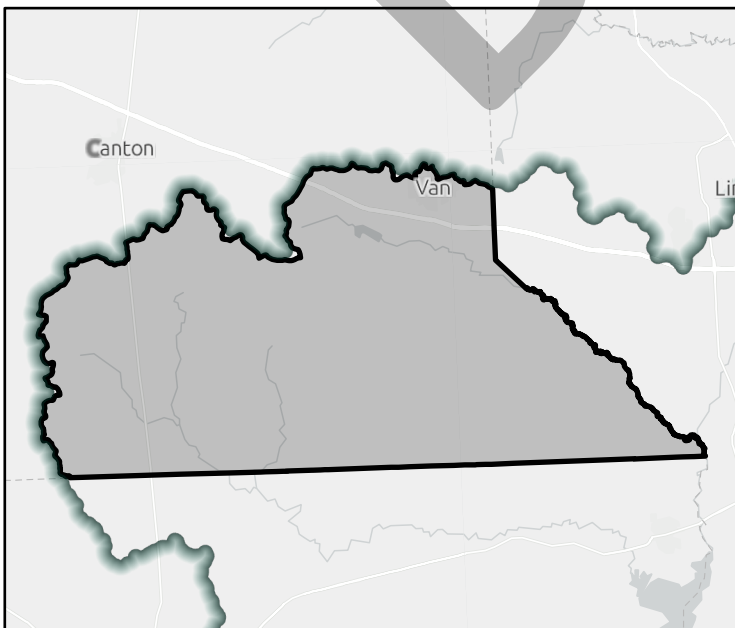
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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.
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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 **73** # of structures **69** # of critical facilities **0**

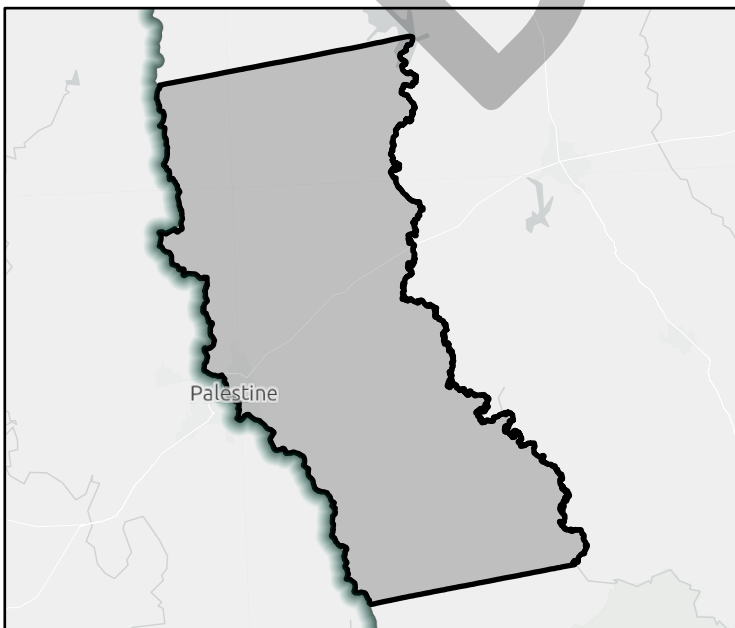
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **Yes** Other? **No**

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.
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100-Year Flood Risk Summary

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

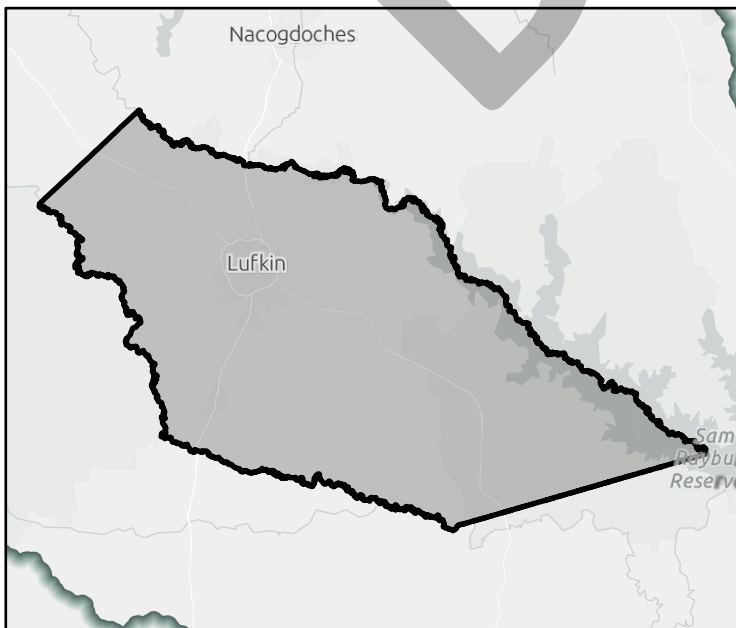
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **Yes** Other? **Yes**

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

ID# Sponsor

Recommended by RFPG? Reason for Recommendation

Study Details

Study type County Chambers

Study description

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

Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures # of critical facilities

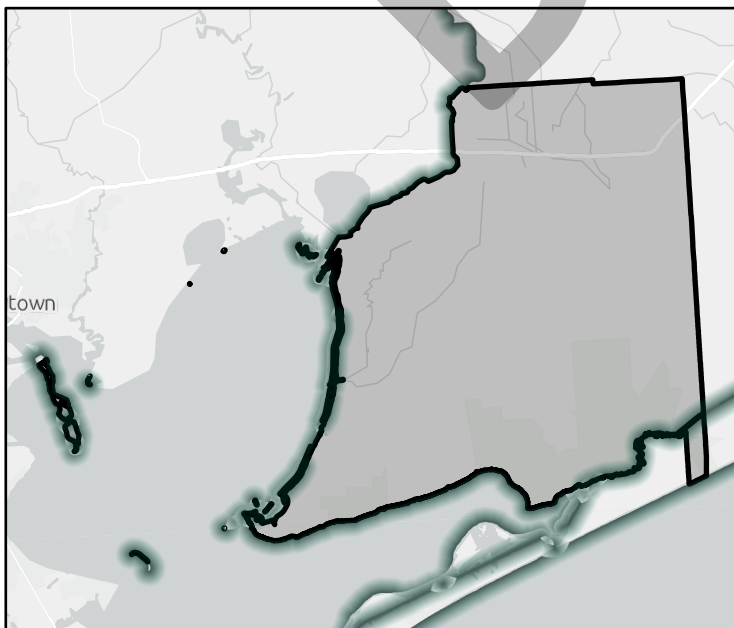
Flood risk type: Riverine? Coastal? Local Flooding? Other?

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

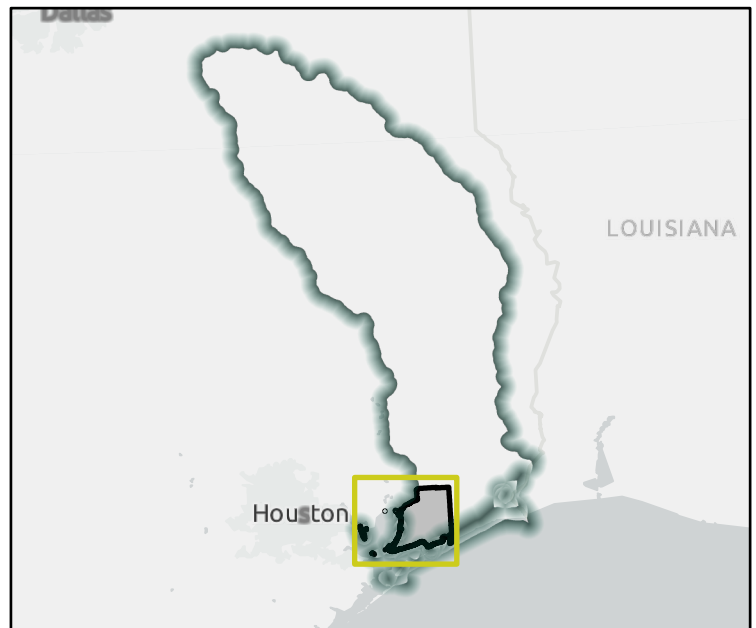
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost Potential federal funding availability? Potential Federal Funding Sources



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

- 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 # of structures # of critical facilities

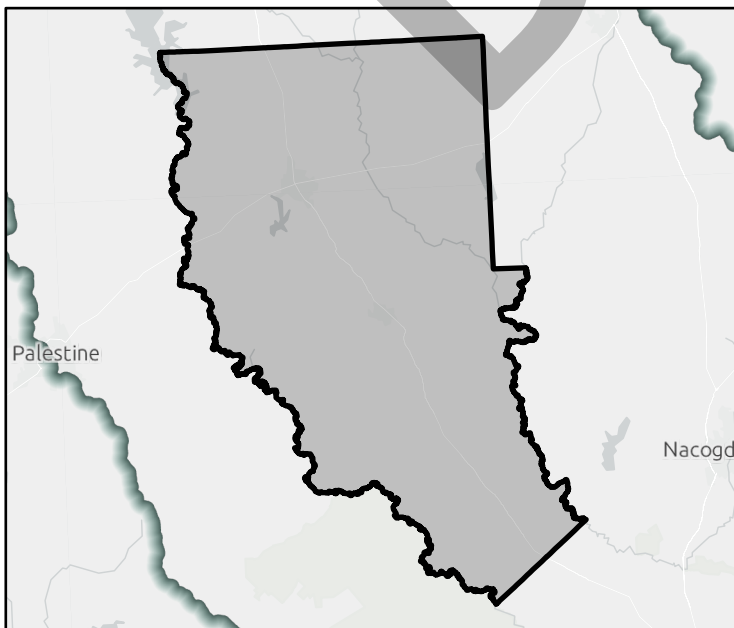
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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.**
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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 **10,528** # of structures **3,678** # of critical facilities **25**

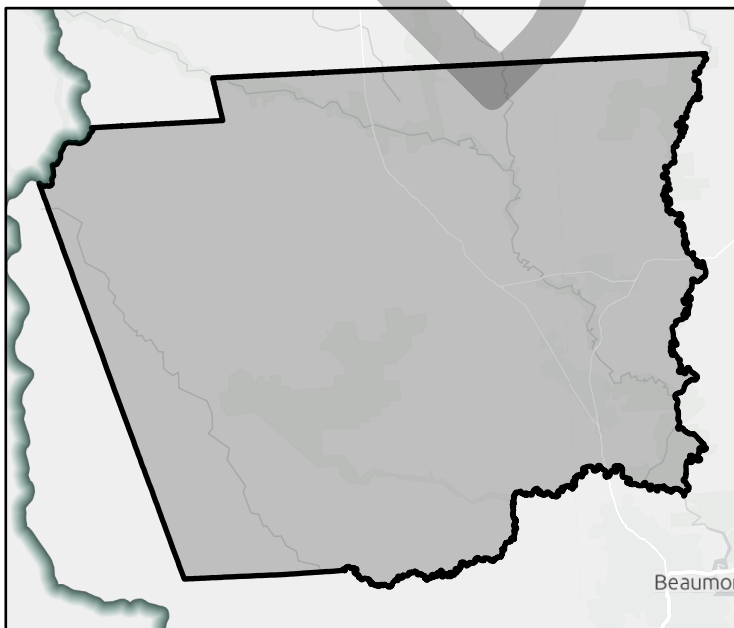
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **No** Other? **Yes**

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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

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100-Year Flood Risk Summary

Population at risk # of structures # of critical facilities

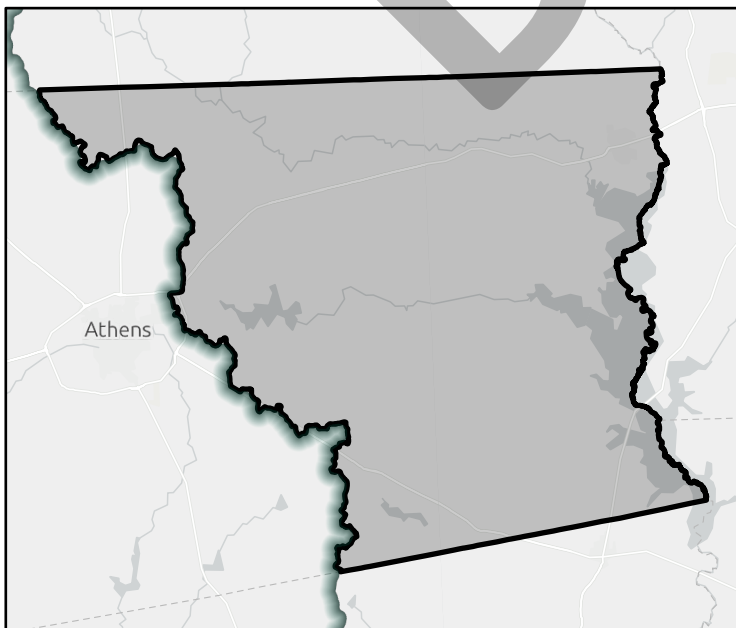
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

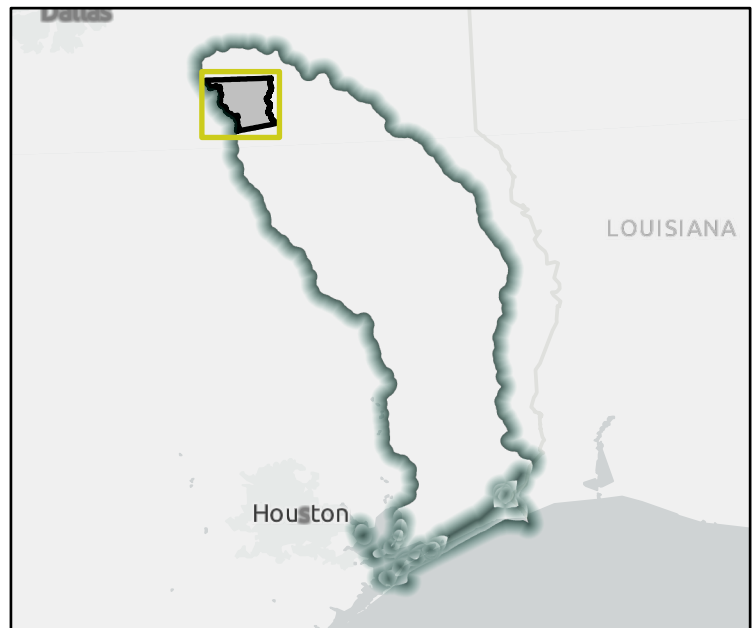
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

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100-Year Flood Risk Summary

Population at risk # of structures # of critical facilities

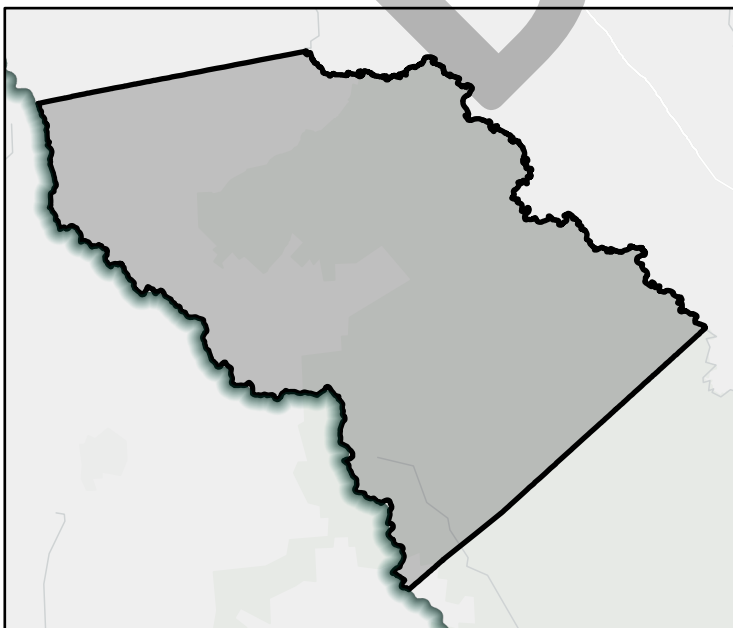
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

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100-Year Flood Risk Summary

Population at risk # of structures # of critical facilities

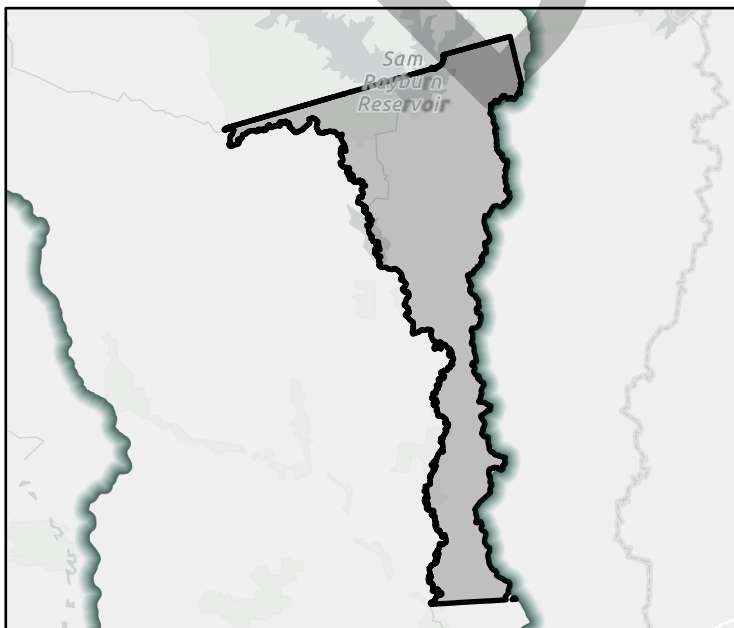
Flood risk type: Riverine? Coastal? Local Flooding? Other?

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

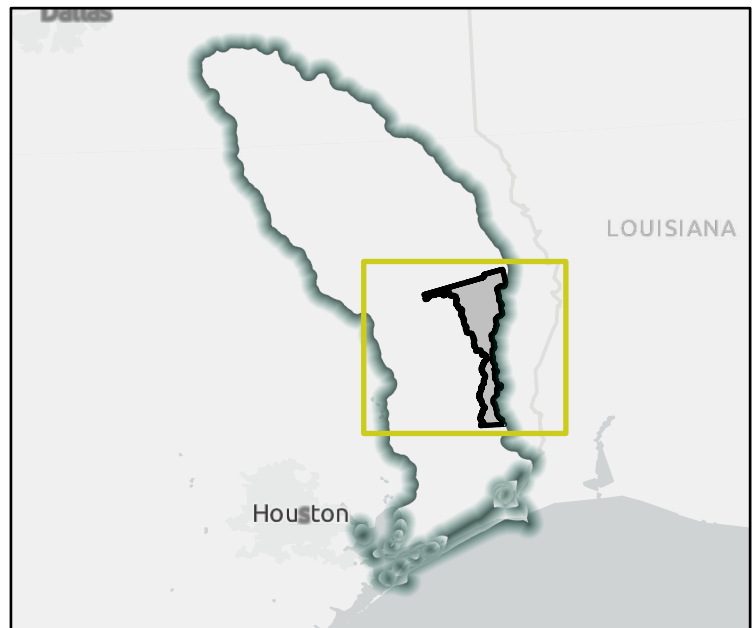
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost Potential federal funding availability? Potential Federal Funding Sources



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID# Sponsor

Recommended by RFPG? Reason for Recommendation

Study Details

Study type County

Study description

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

Goal(s)

100-Year Flood Risk Summary

Population at risk # of structures # of critical facilities

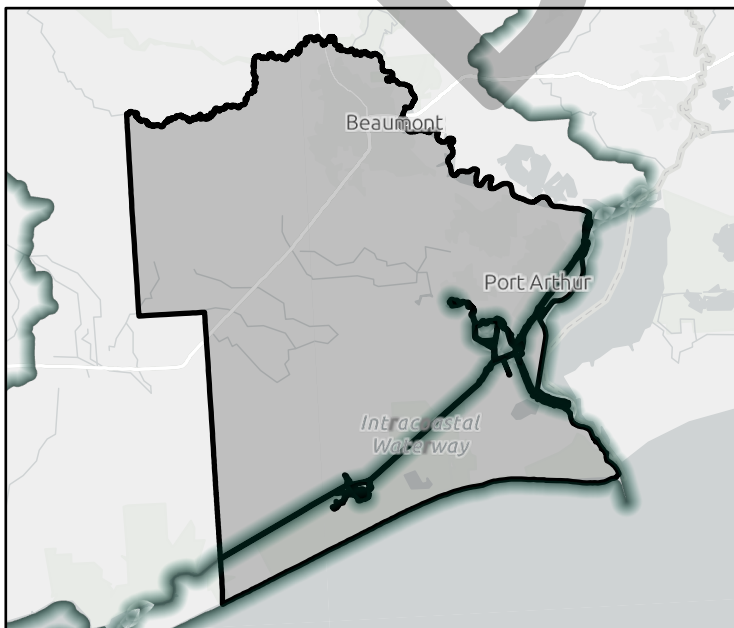
Flood risk type: Riverine? Coastal? Local Flooding? Other?

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

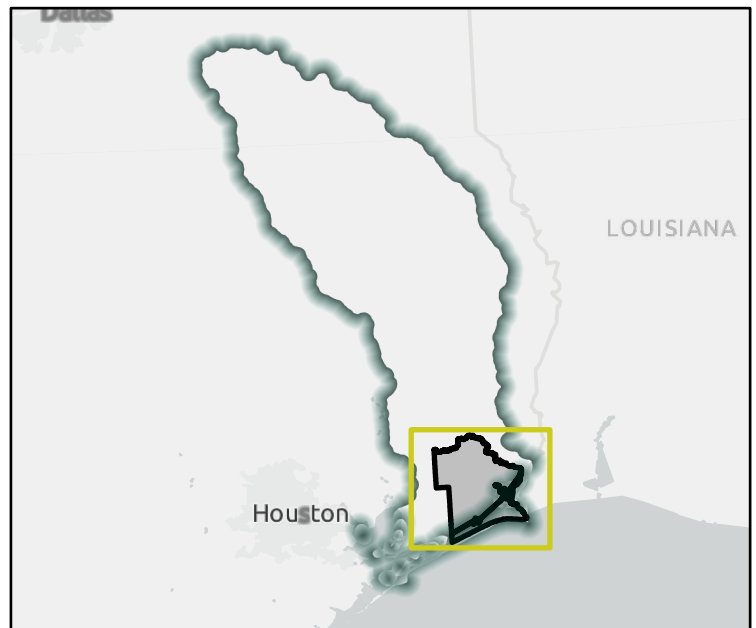
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost Potential federal funding availability? Potential Federal Funding Sources



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 5

NECHES

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

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100-Year Flood Risk Summary

Population at risk # of structures # of critical facilities

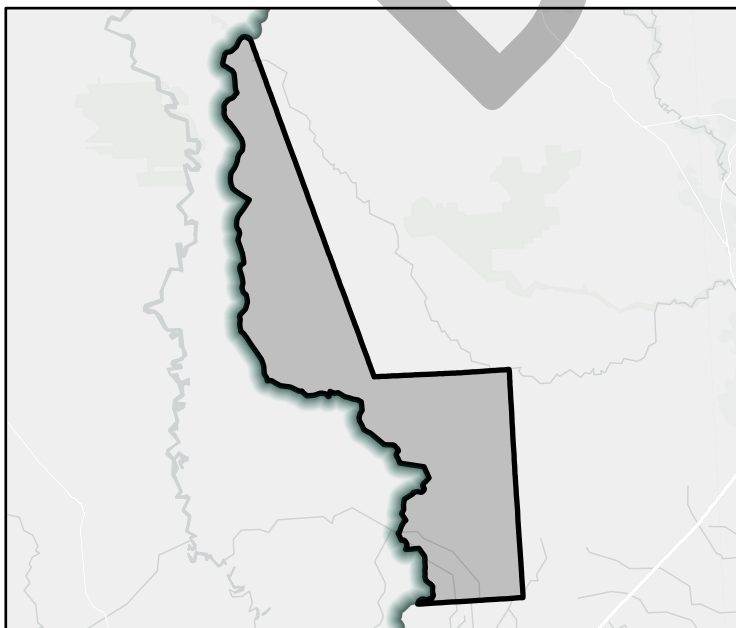
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

- 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 # of structures # of critical facilities

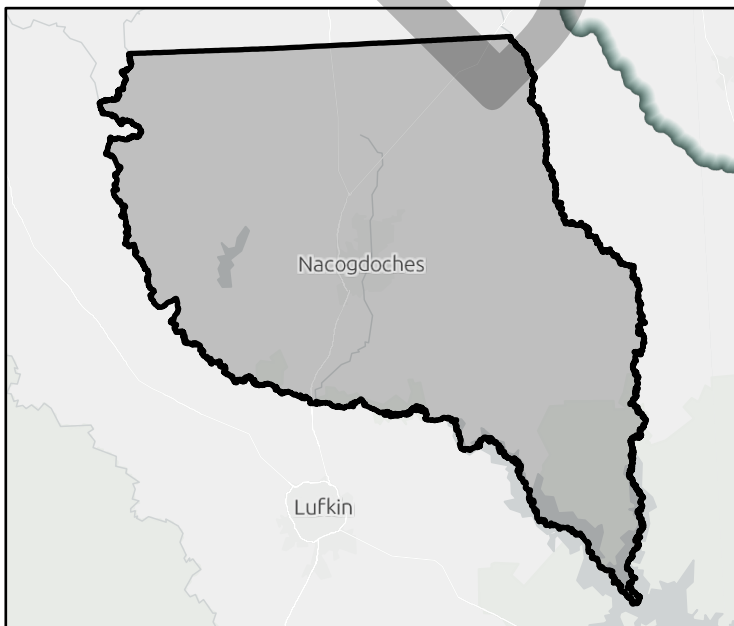
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

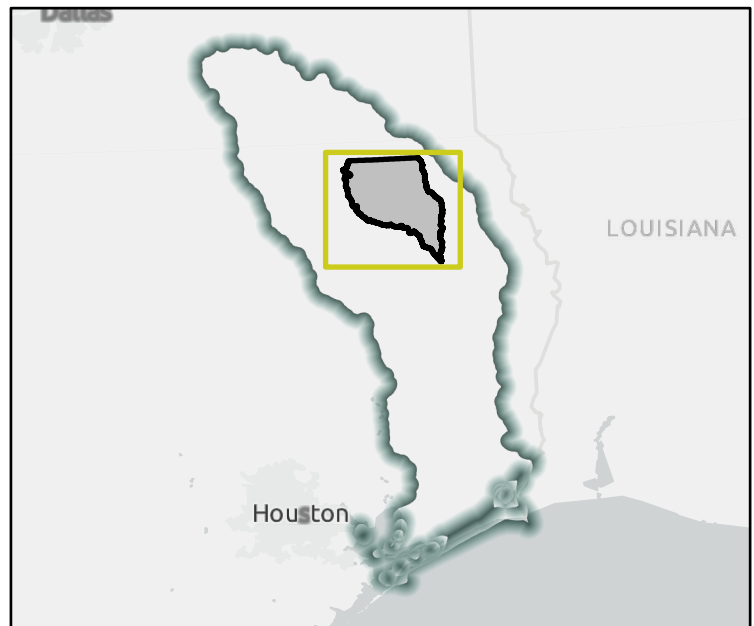
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Estimated Cost and Funding Availability

Total Cost 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

ID# Sponsor

Recommended by RFPG? Reason for Recommendation

Study Details

Study type County

Study description

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

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100-Year Flood Risk Summary

Population at risk # of structures # of critical facilities

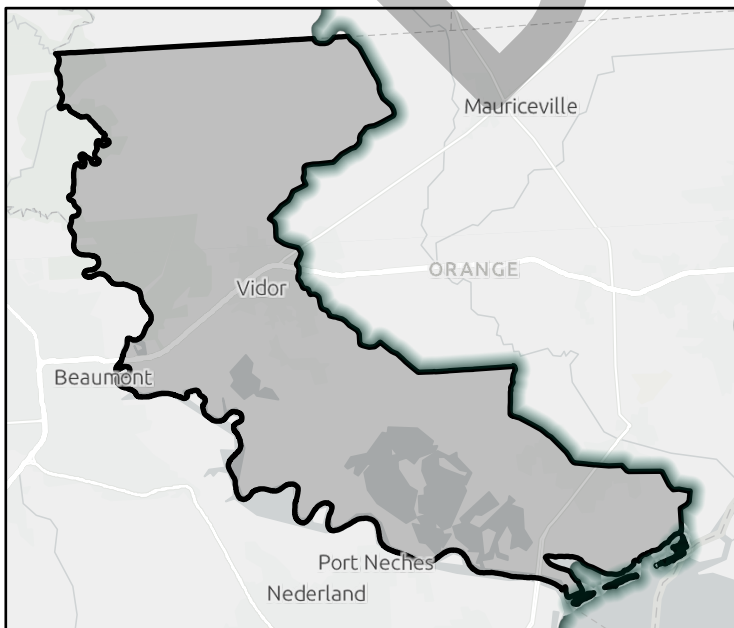
Flood risk type: Riverine? Coastal? Local Flooding? Other?

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

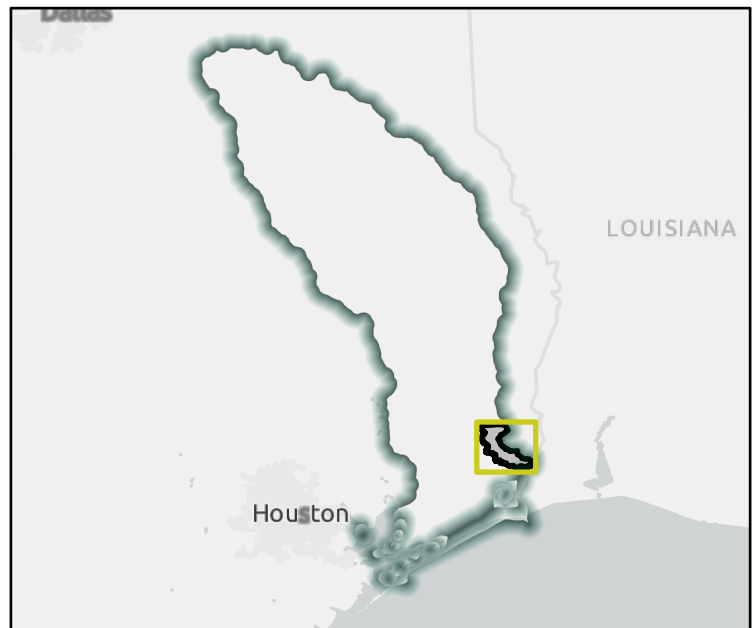
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost Potential federal funding availability? Potential Federal Funding Sources



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

- 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 # of structures # of critical facilities

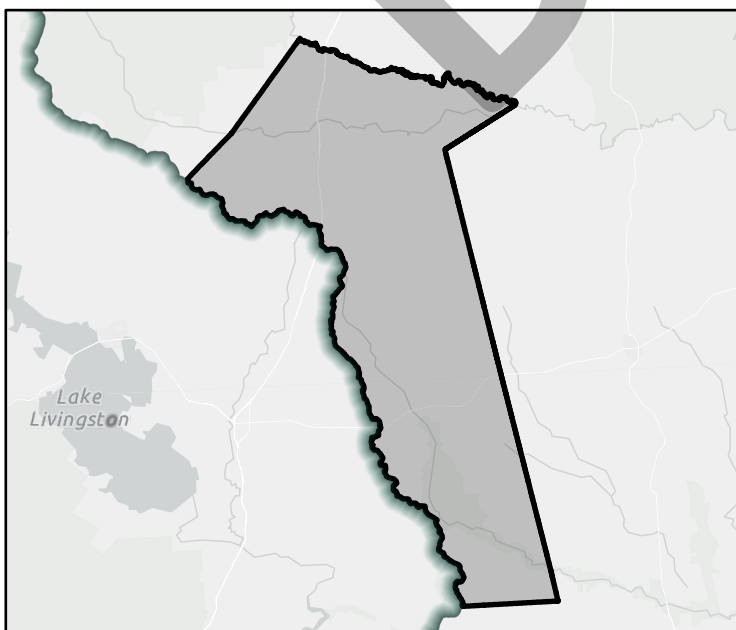
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

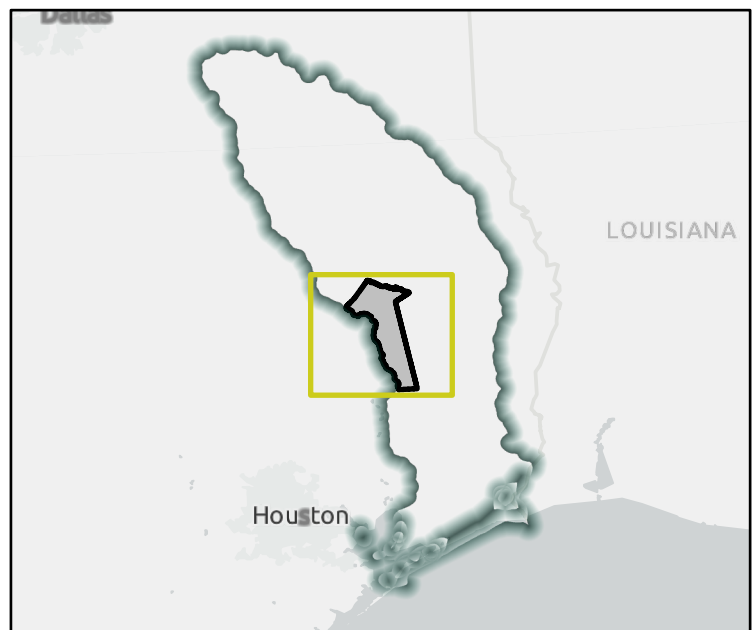
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

- 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 # of structures # of critical facilities

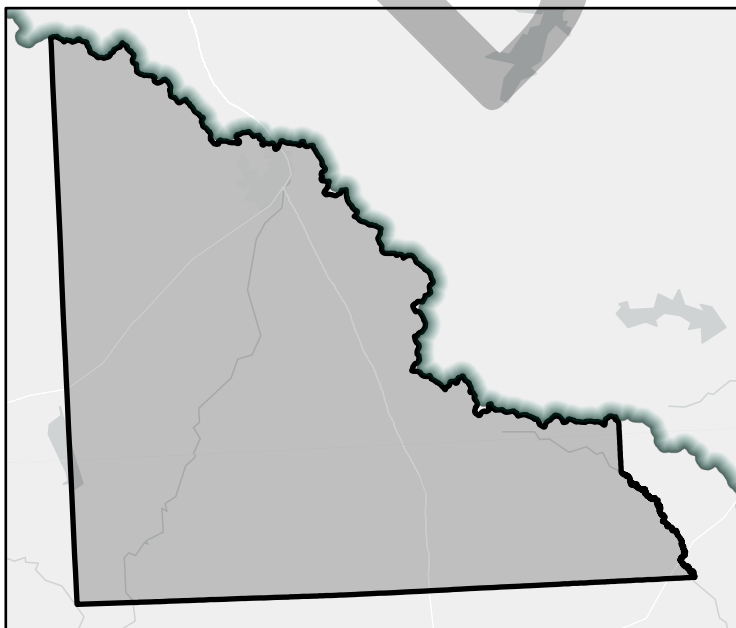
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

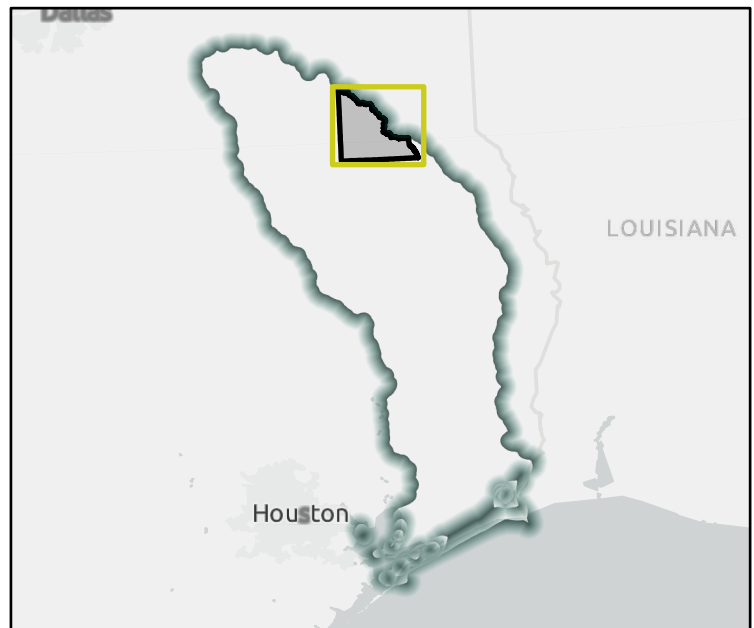
of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost 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

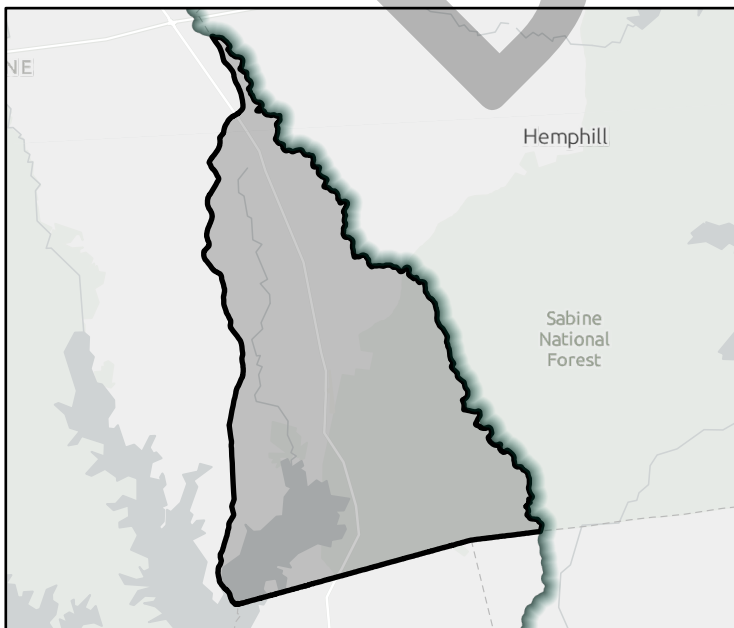
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

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

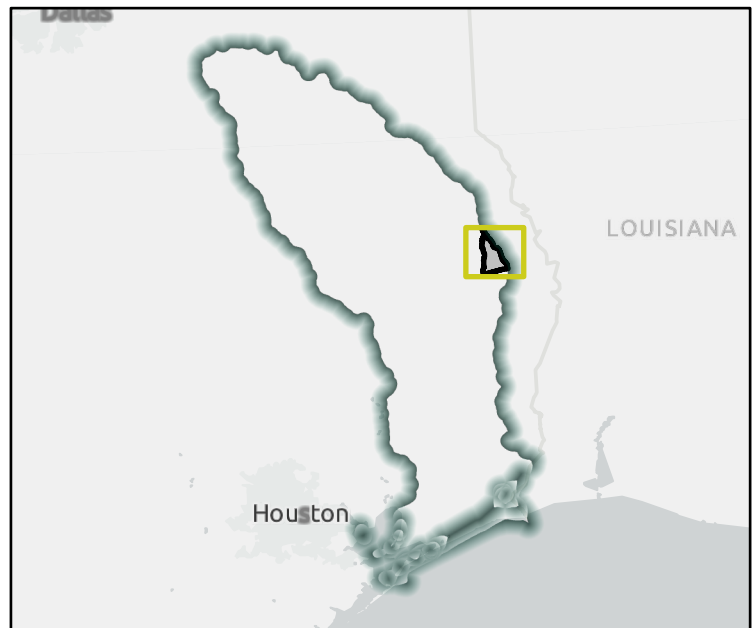
of low water crossings 1 # of historical road closures 1

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



REGIONAL FLOOD PLANNING GROUP

Title

ID# Sponsor

Recommended by RFPG? Yes Reason for Recommendation

Study Details

Study type County

Study description

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

- 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 # of structures # of critical facilities

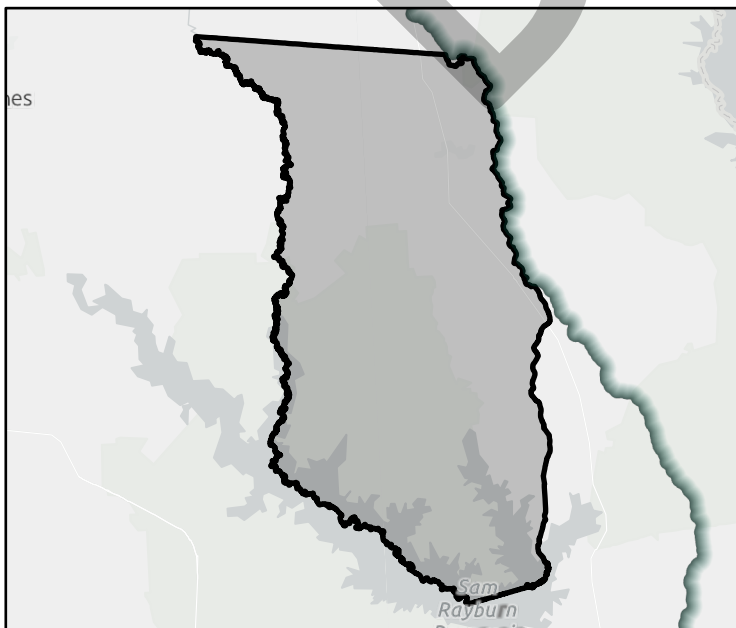
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

Farm/Ranch land impacted (ac.) Roadways impacted (miles)

of low water crossings # of historical road closures

Estimated Cost and Funding Availability

Total Cost Potential federal funding availability? Yes Potential Federal Funding Sources



FME Area



Regional view of FME area