

**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

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

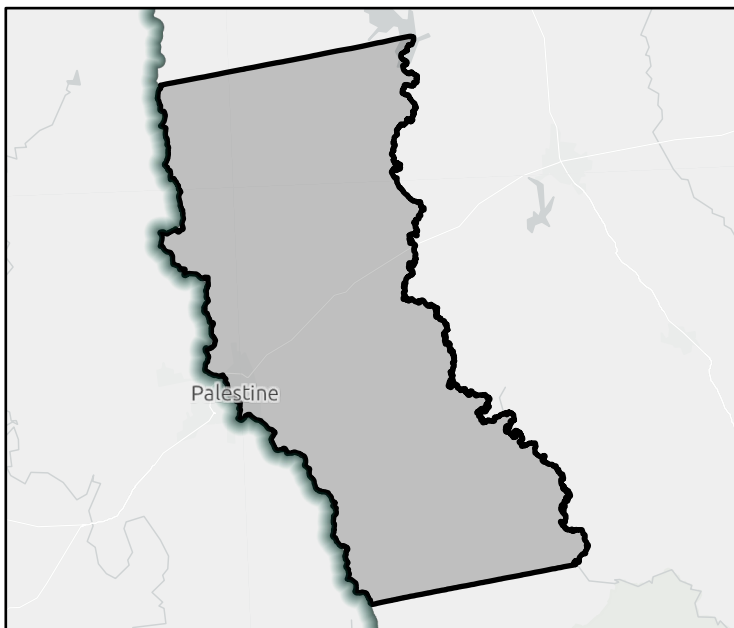
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  No

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

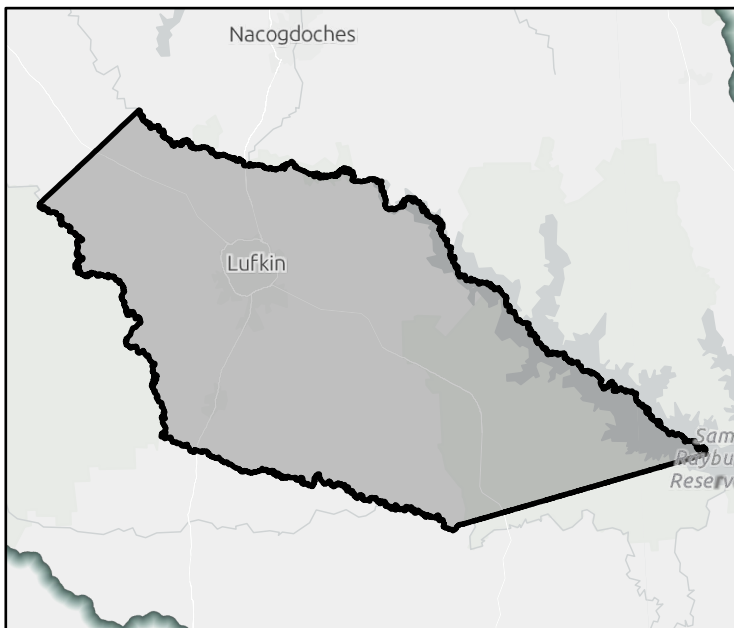
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  Yes

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?  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

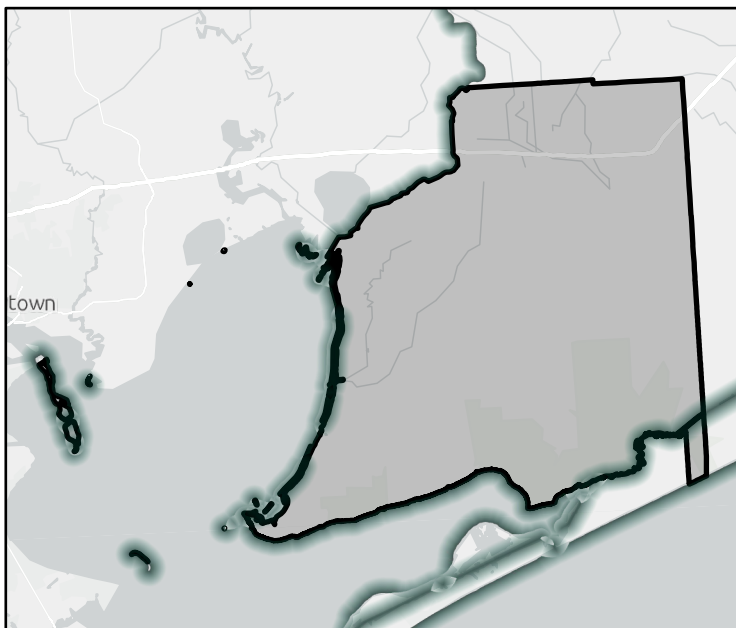
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

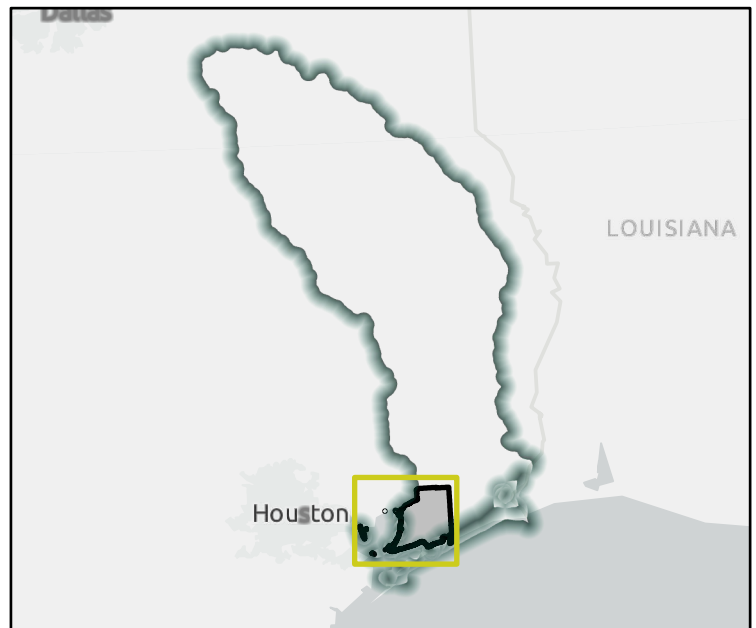
# of low water crossings  # of historical road closures

## 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 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 987 # 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)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

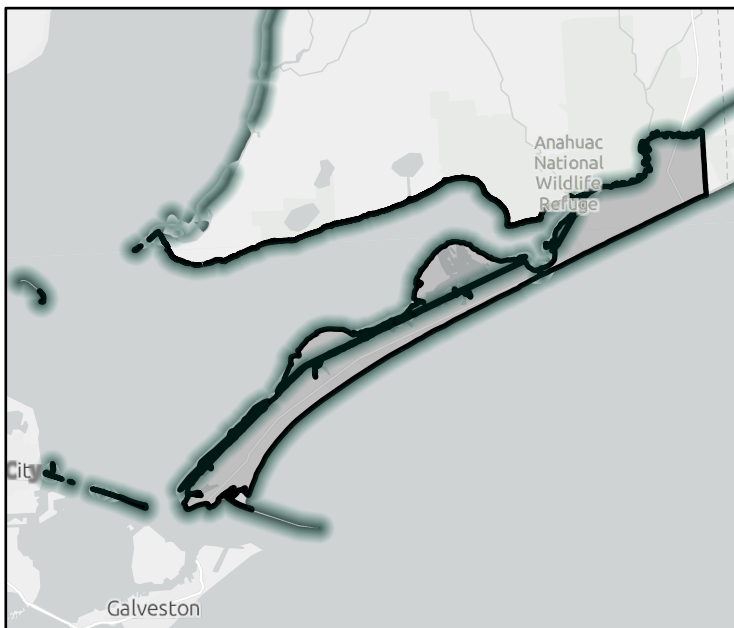
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  No Other?  Yes

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

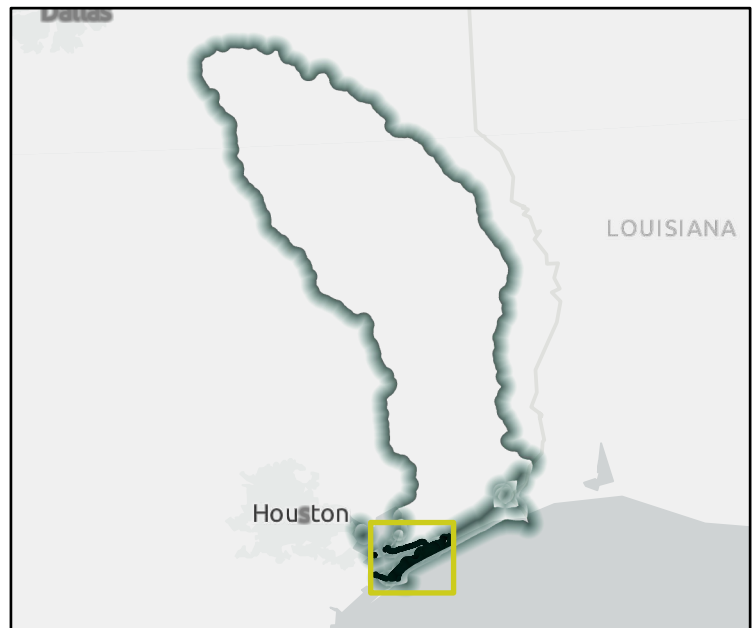
# of low water crossings  # of historical road closures

## 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

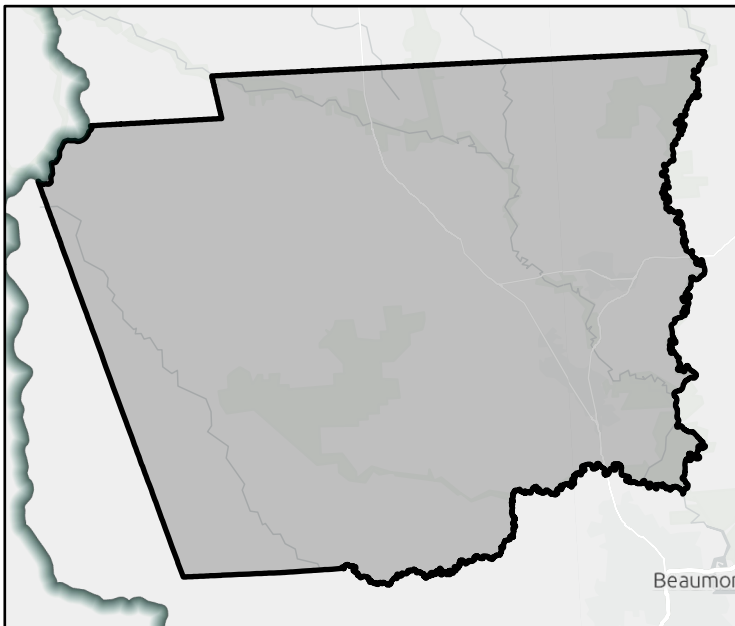
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

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

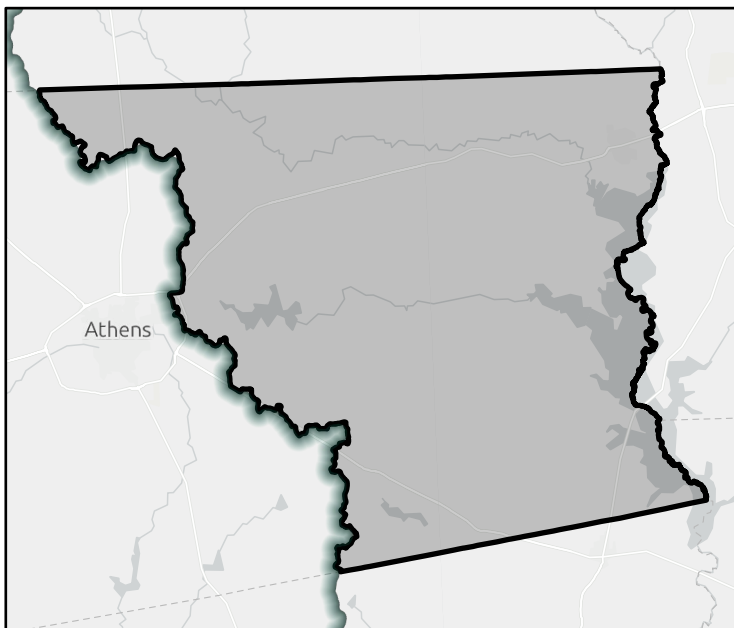
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  Yes

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

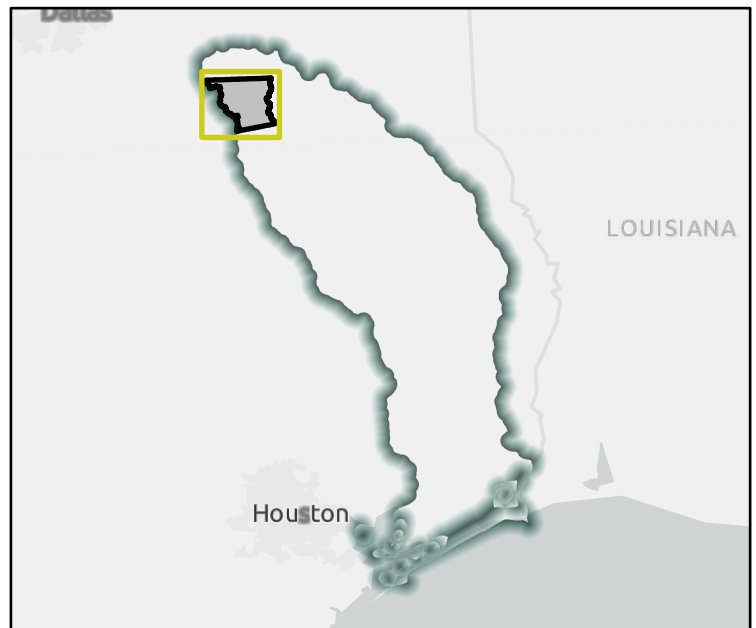
# of low water crossings  # of historical road closures

## 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?  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

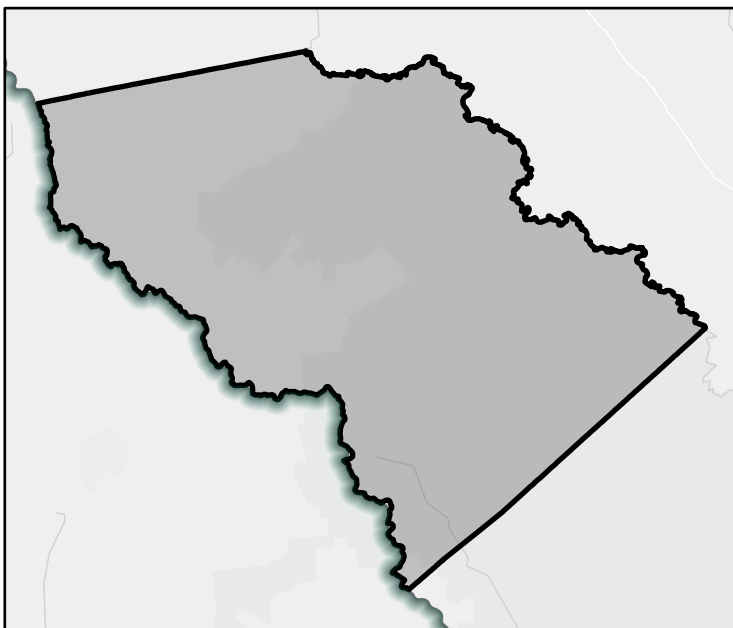
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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 Jasper County Update Flood Hazard Mapping

ID# 051000009 Sponsor Jasper (County)

Recommended by RFPG?  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?  Emergency Need?  Anticipated models in near term?  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 1,388 # of structures 756 # of critical facilities 7

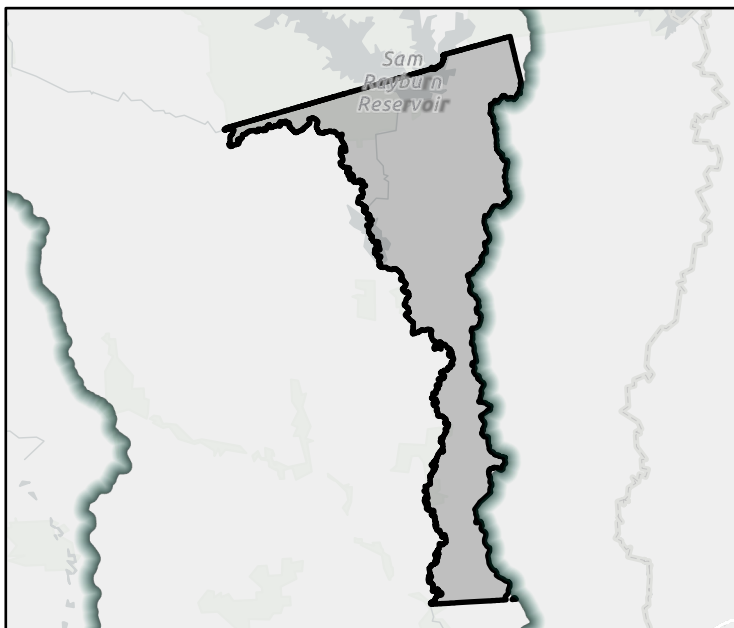
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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?  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

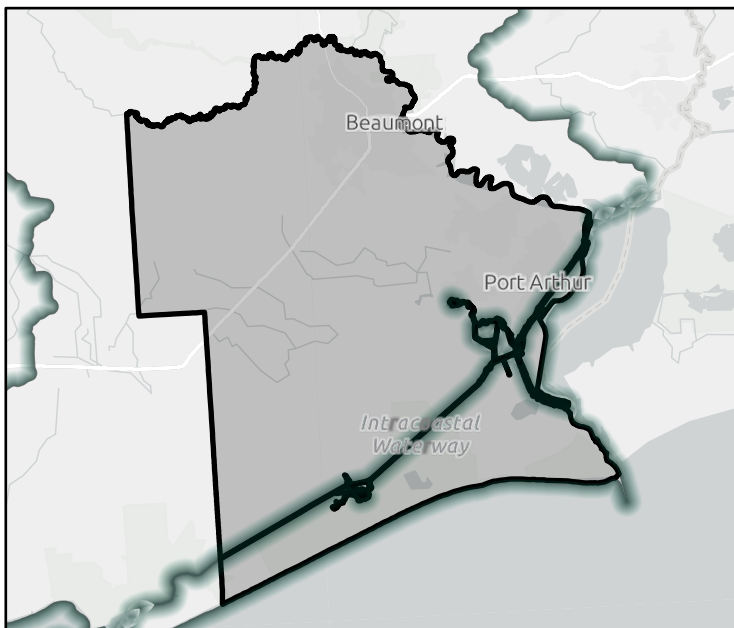
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

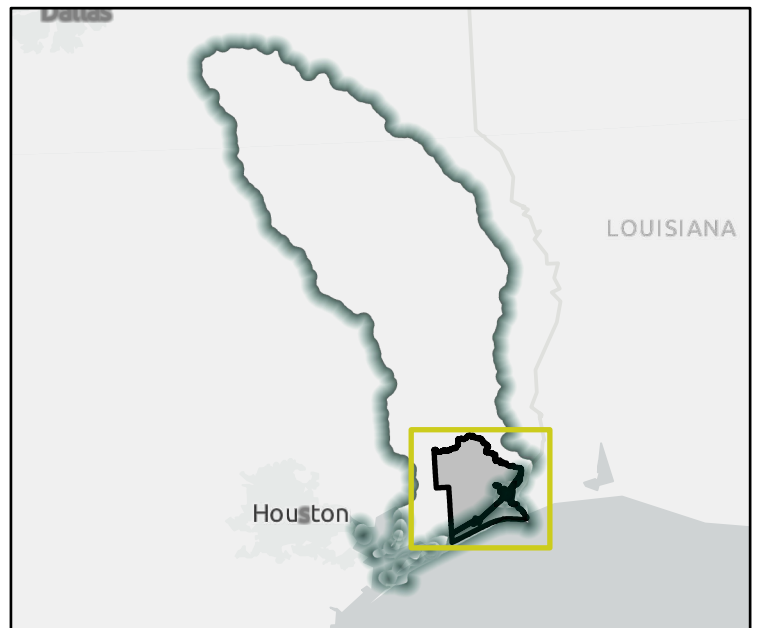
# of low water crossings  # of historical road closures

## 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?  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

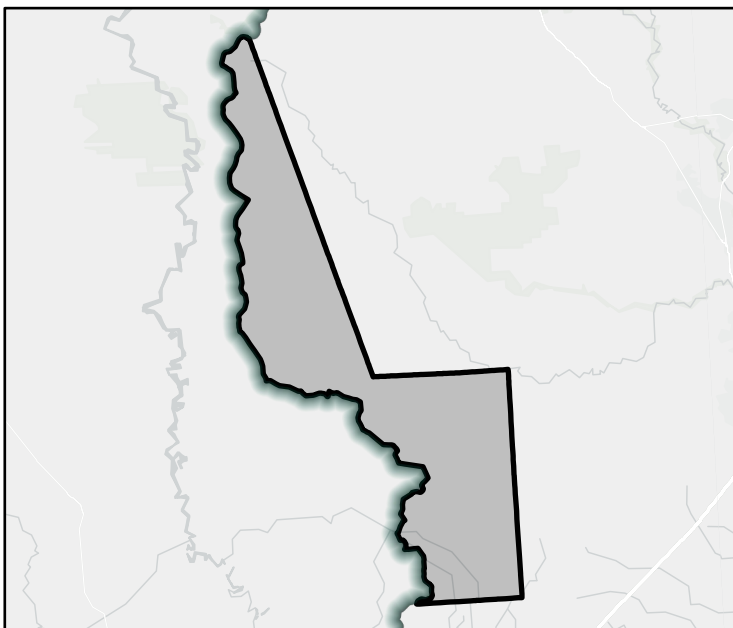
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

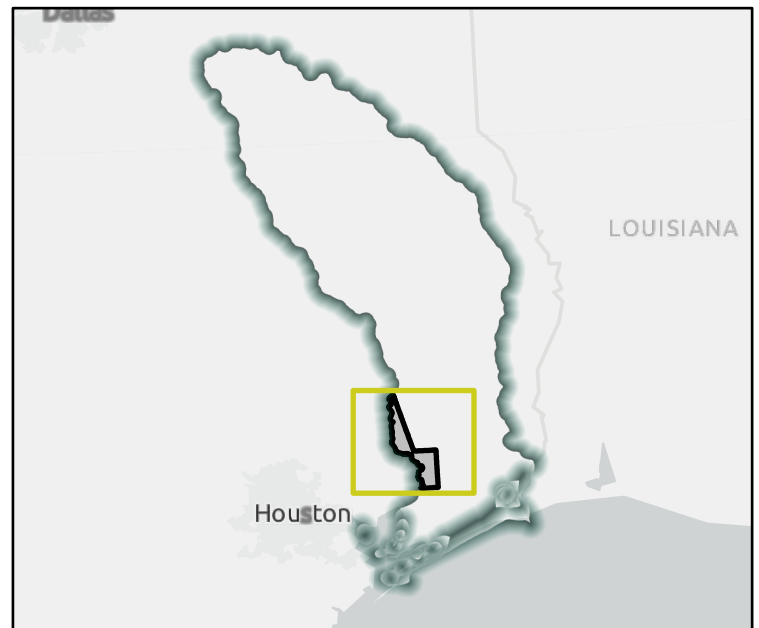
# of low water crossings  # of historical road closures

## 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

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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)

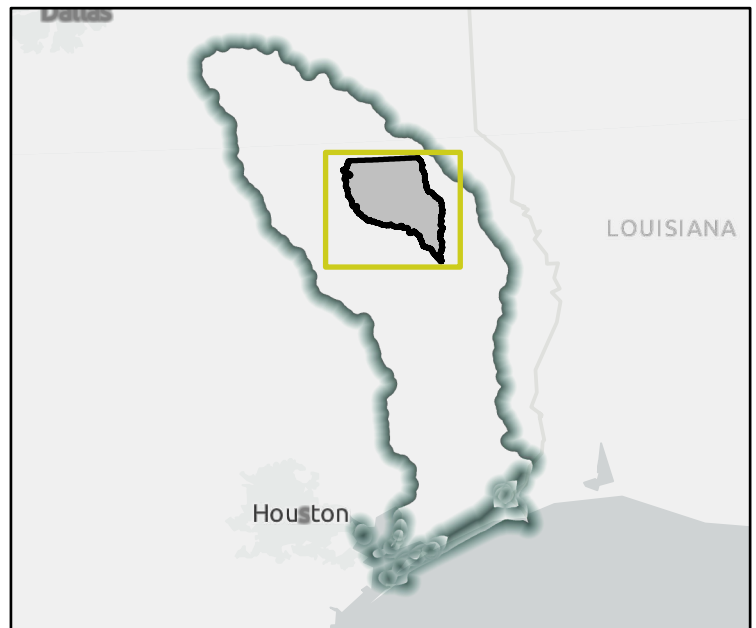
# of low water crossings  # of historical road closures

## 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)

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Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

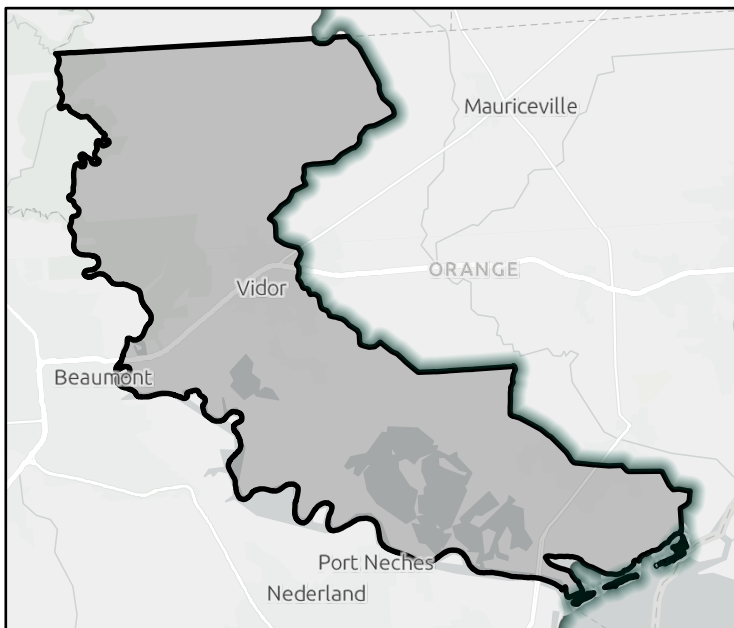
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

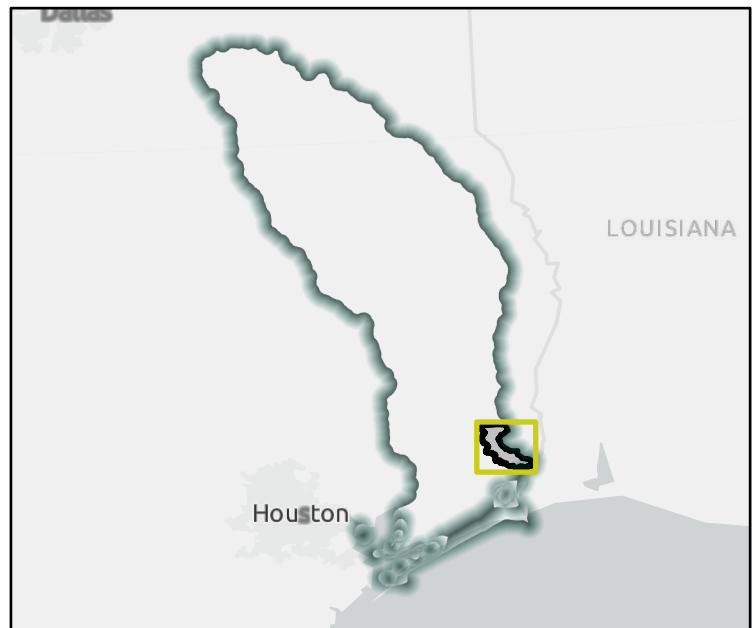
# of low water crossings  # of historical road closures

## 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  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)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

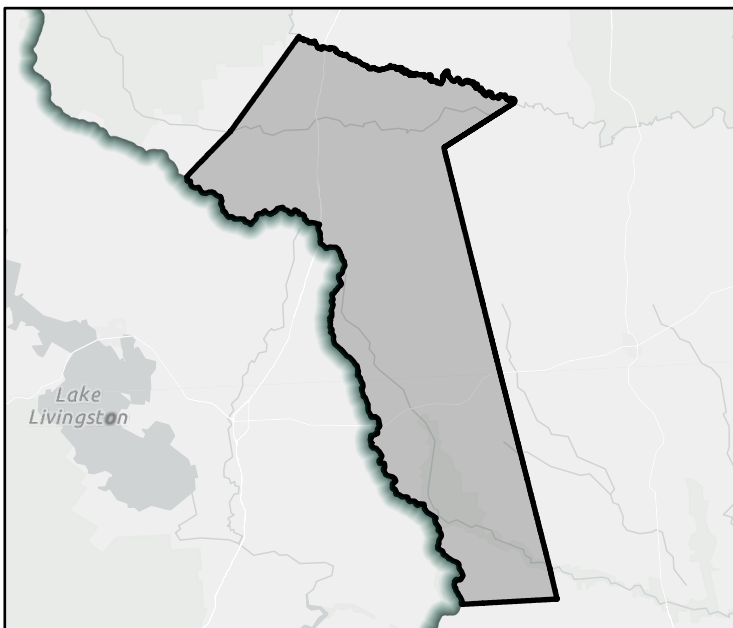
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

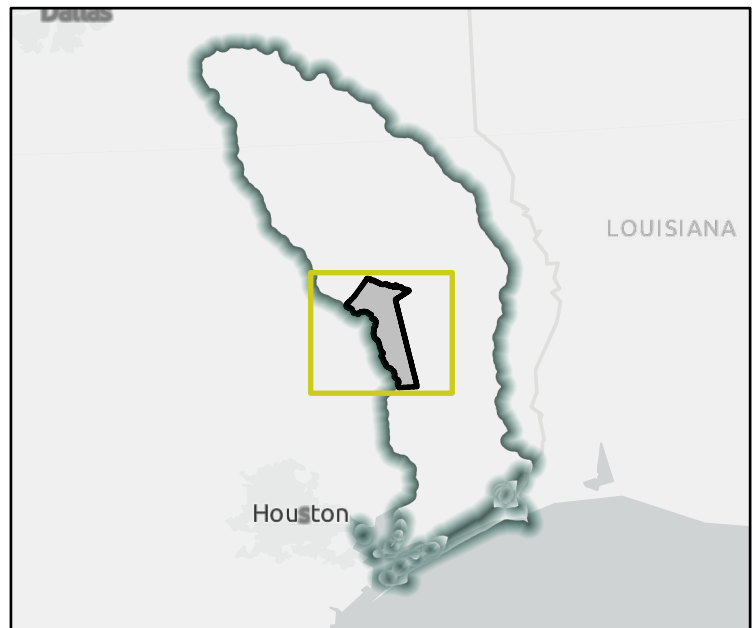
# of low water crossings  # of historical road closures

## 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)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

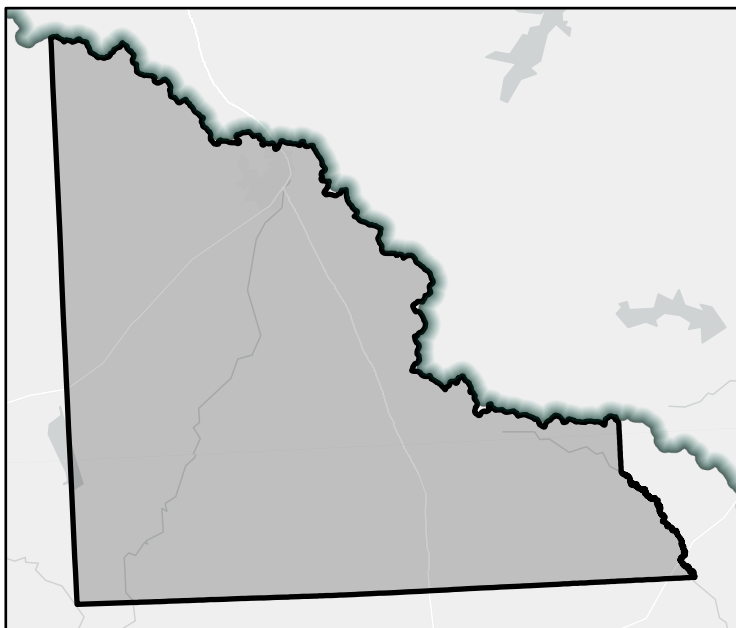
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  No

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

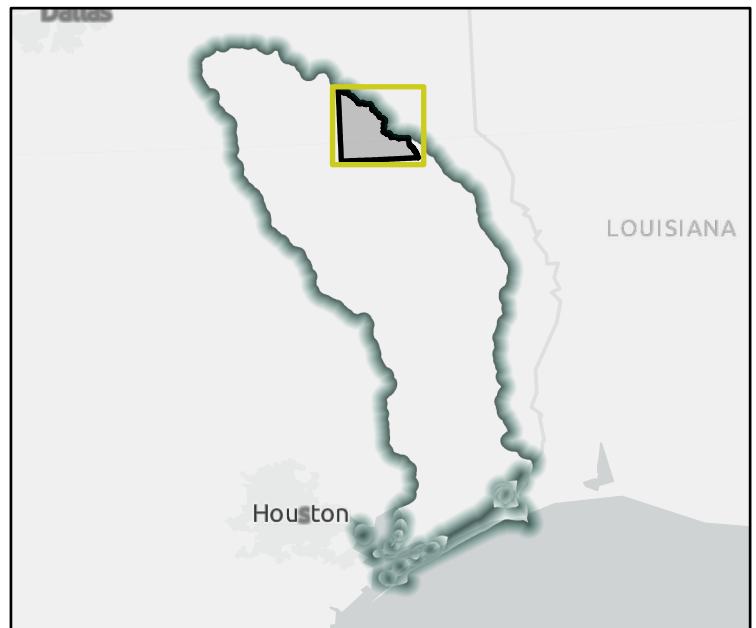
# of low water crossings  # of historical road closures

## 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

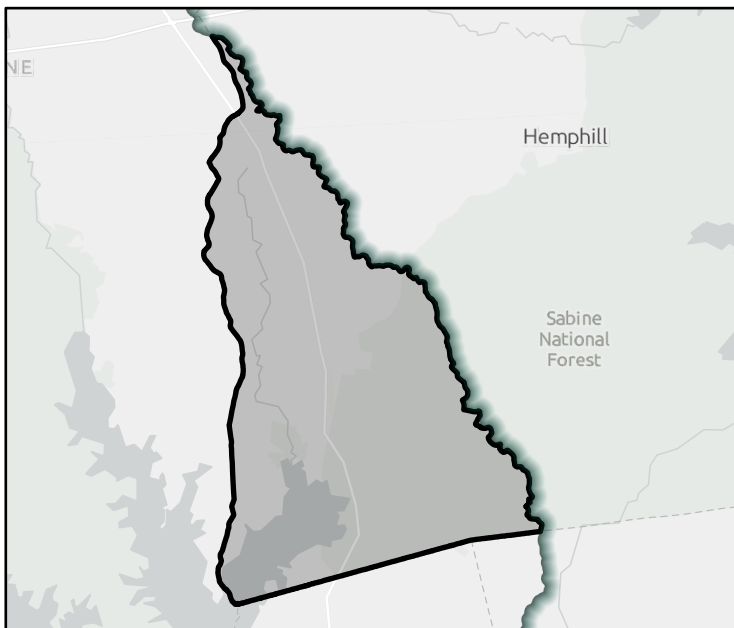
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

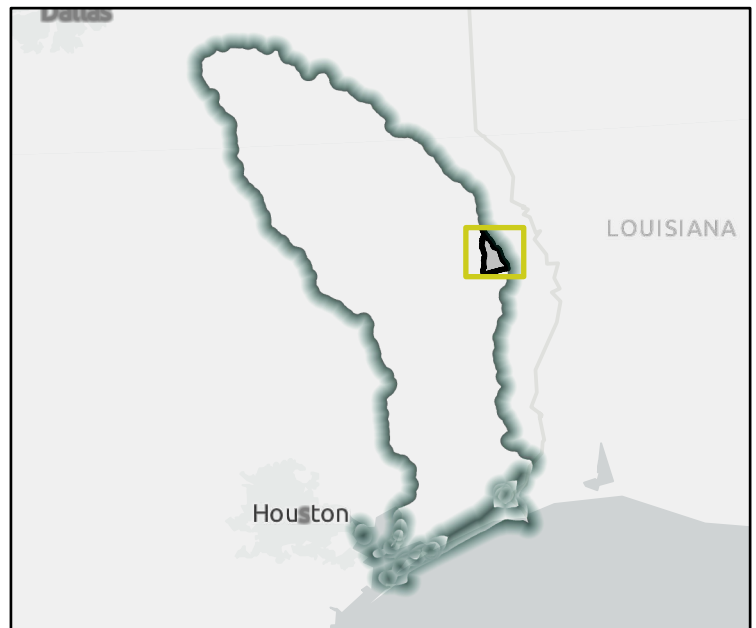
# of low water crossings  # of historical road closures

## 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?  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

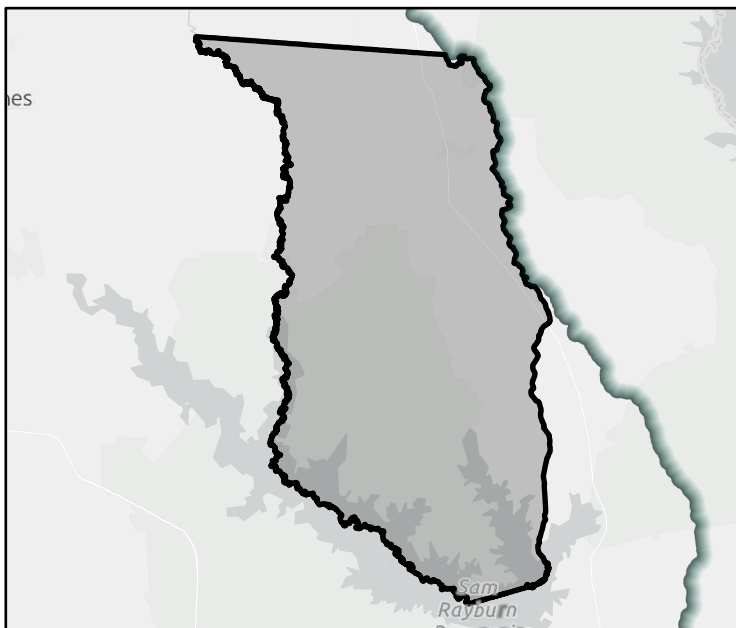
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

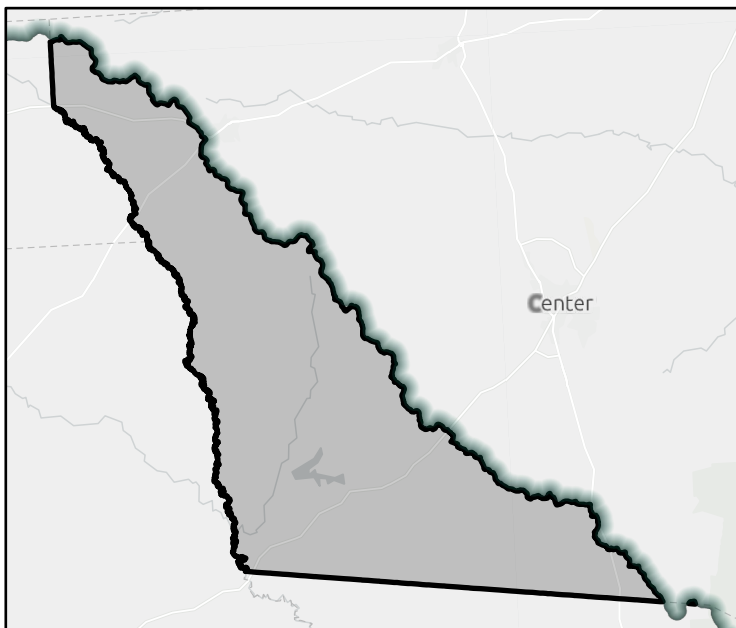
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  No

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

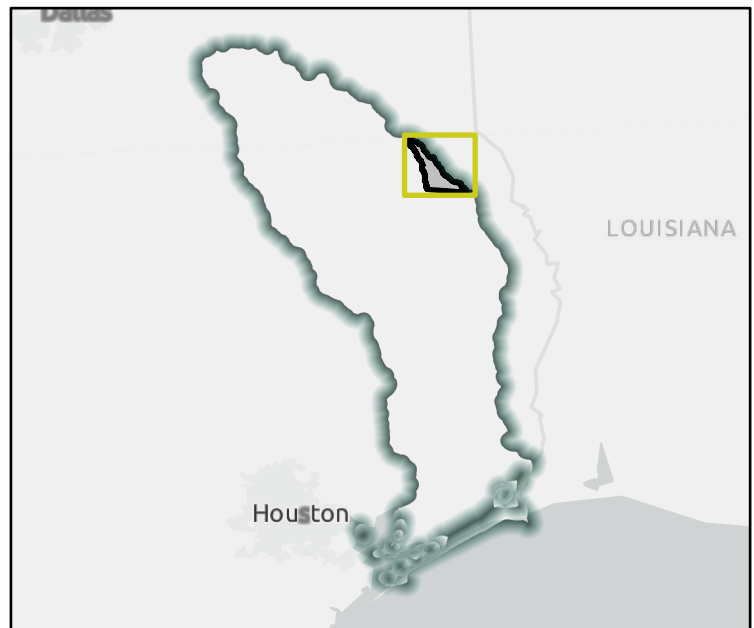
# of low water crossings  # of historical road closures

## 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

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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

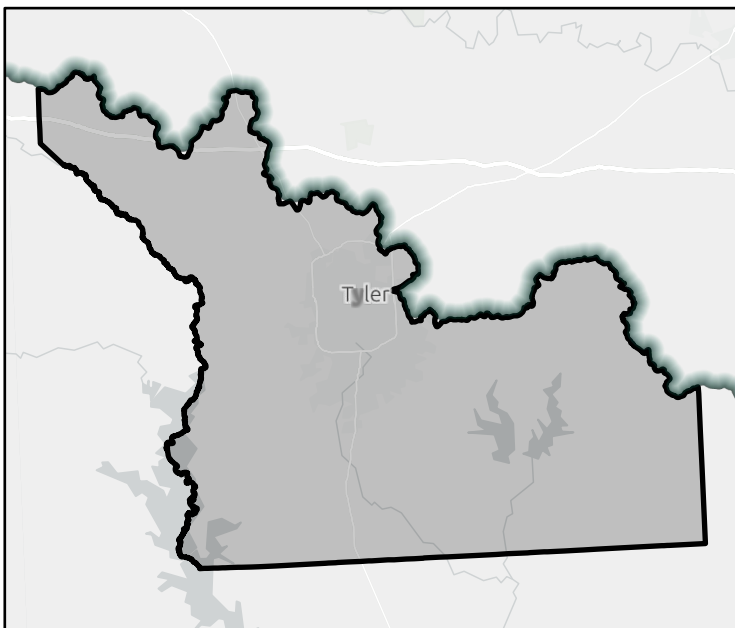
Flood risk type: Riverine?  Yes  No Coastal?  No Local Flooding?  Yes  No Other?  Yes  No

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

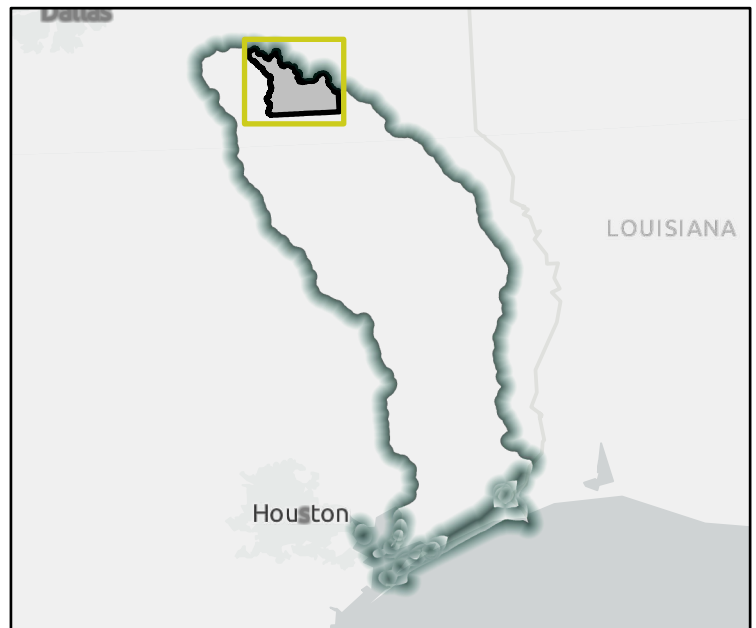
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

Total Cost  Potential federal funding availability?  Yes  No Potential Federal Funding Sources



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

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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

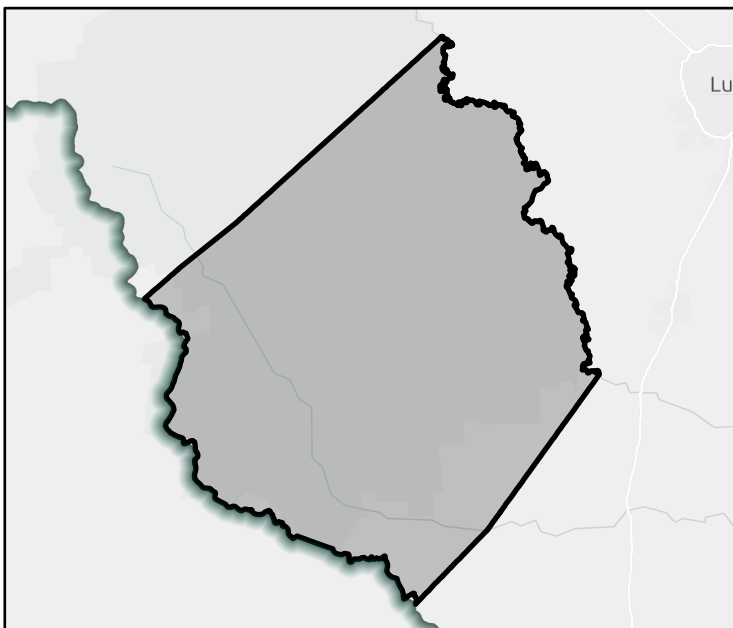
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

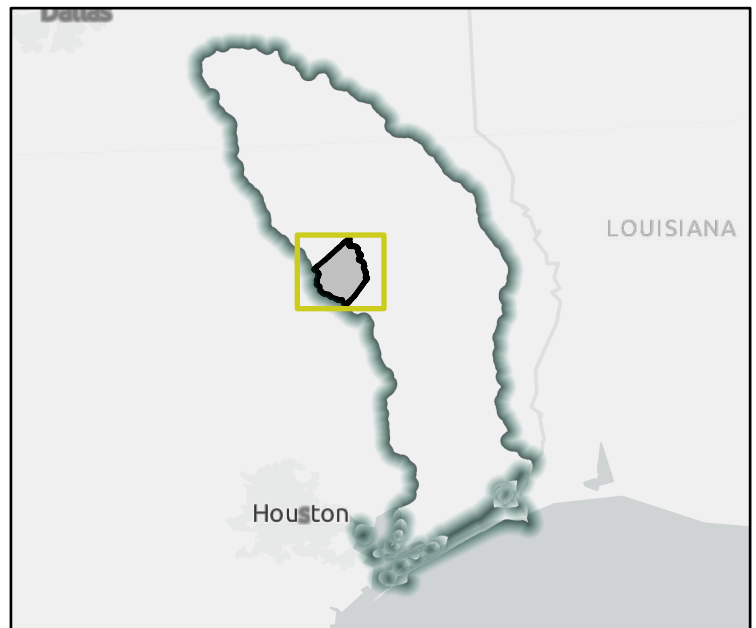
# of low water crossings  # of historical road closures

## 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)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

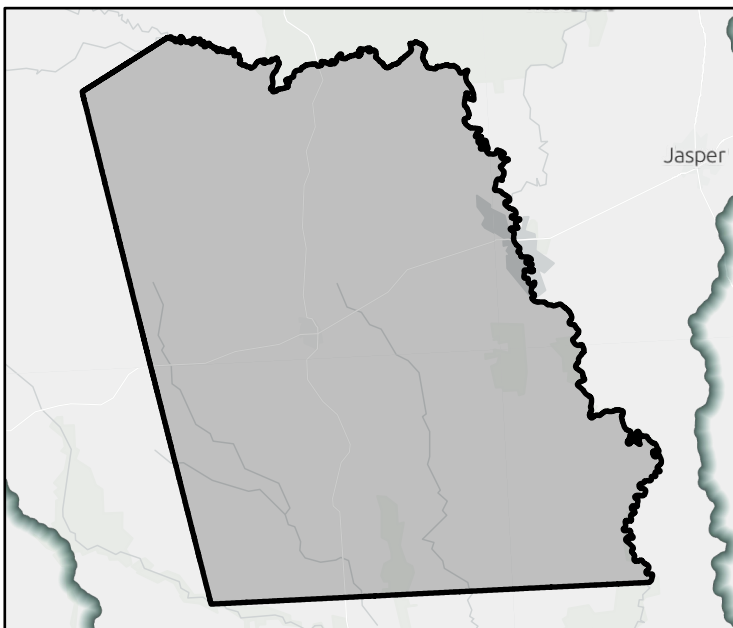
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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?  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

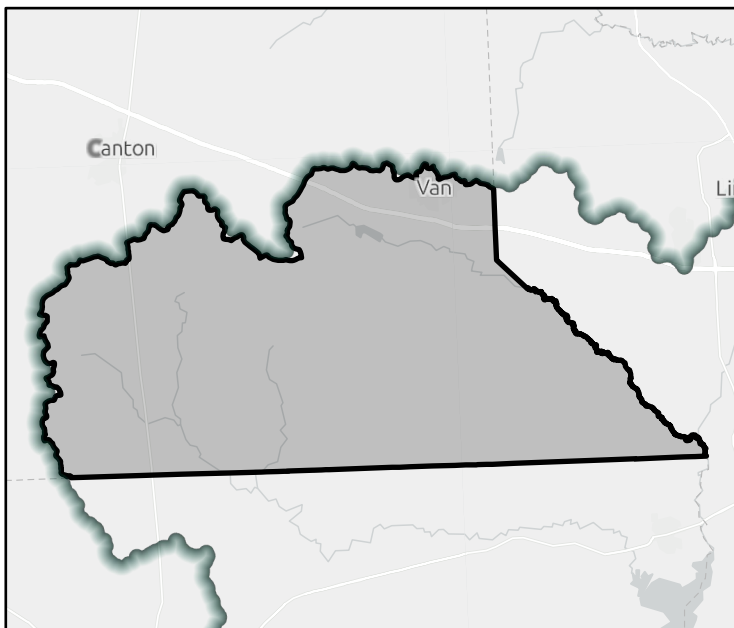
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

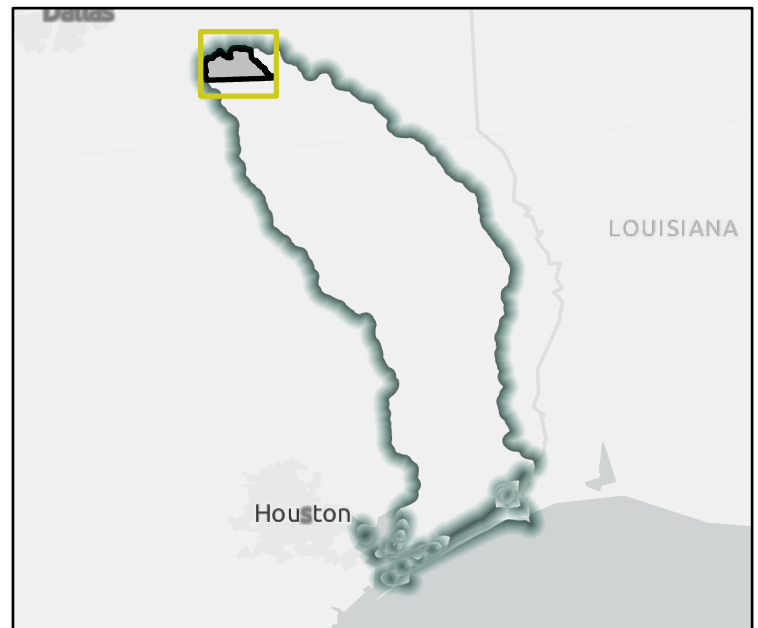
# of low water crossings  # of historical road closures

## 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)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

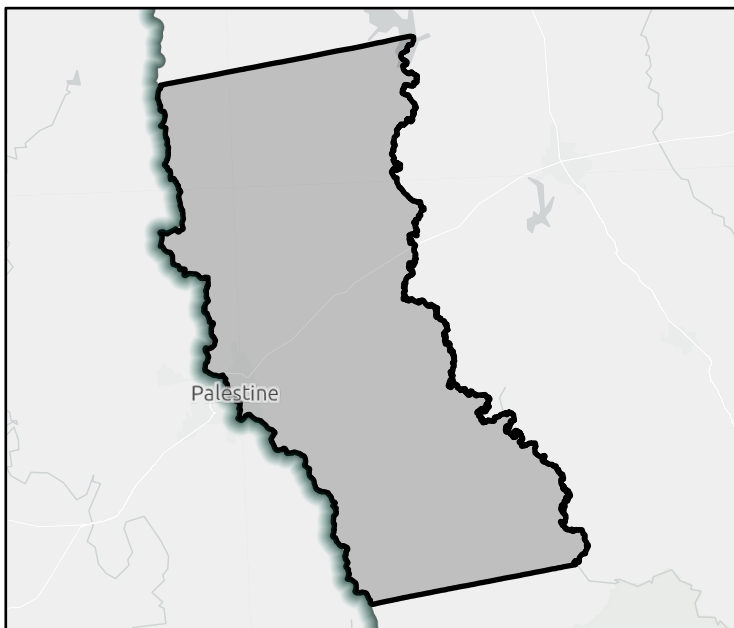
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  No

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 **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 **6,718** # of structures **1,201** # of critical facilities **11**

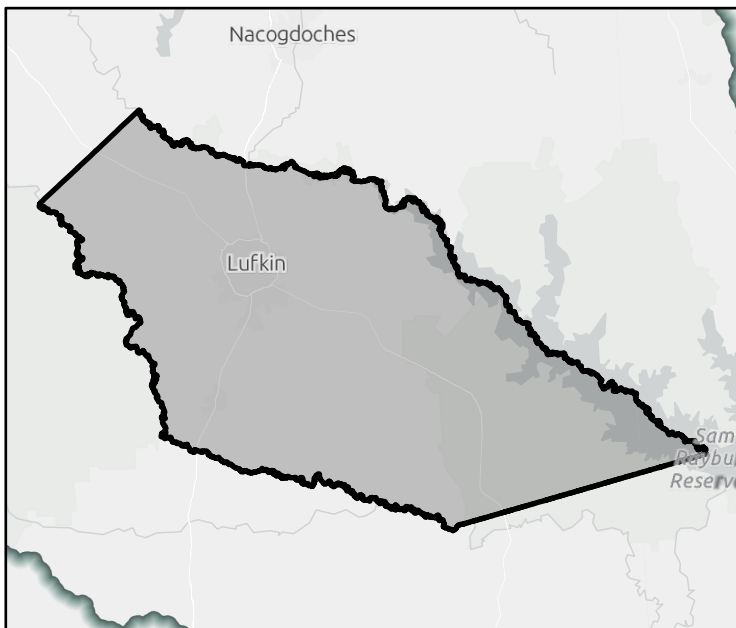
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **Yes** Other? **Yes**

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

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

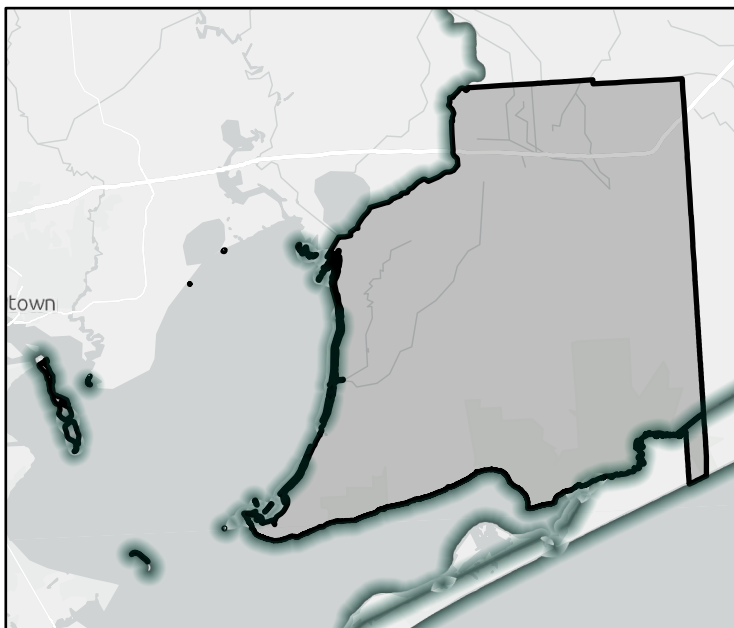
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

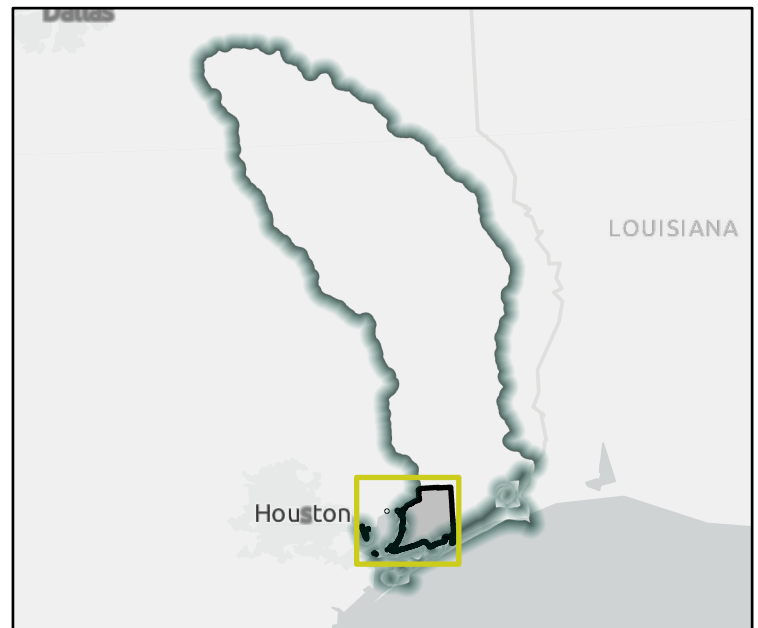
# of low water crossings  # of historical road closures

## 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)

## 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.**  
**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 **7,212** # of structures **3,678** # of critical facilities **25**

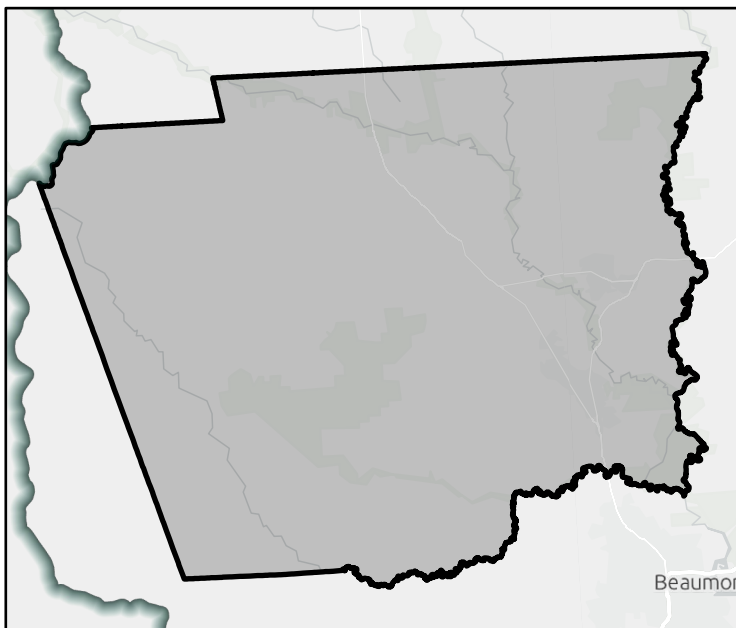
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **No** Other? **Yes**

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.)

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

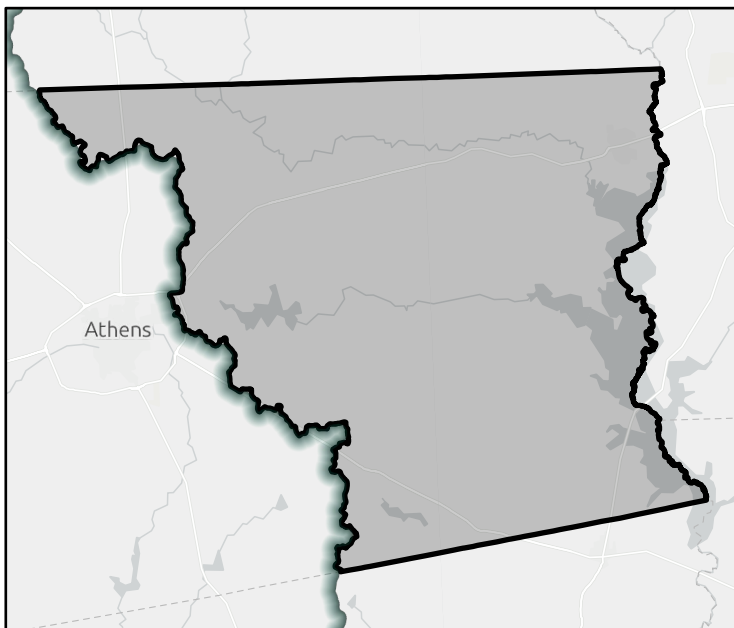
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  Yes

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

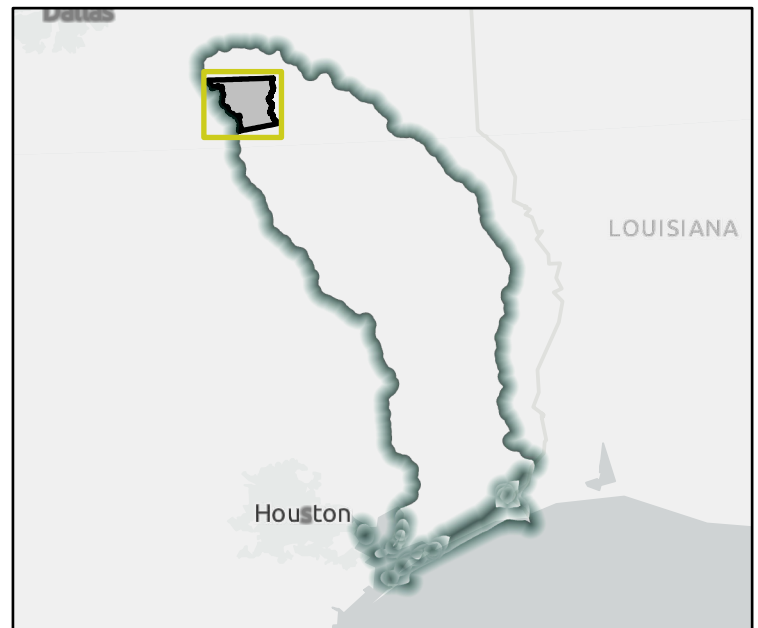
# of low water crossings  # of historical road closures

## 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

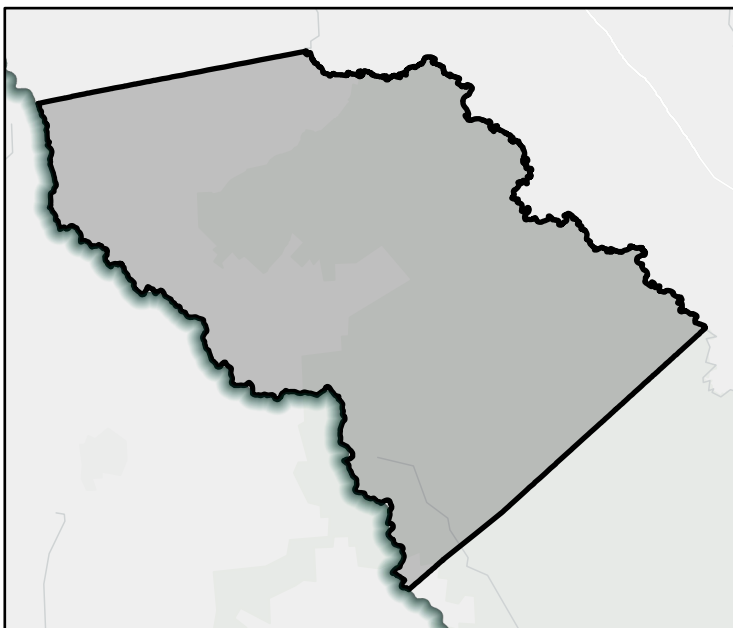
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  Yes

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

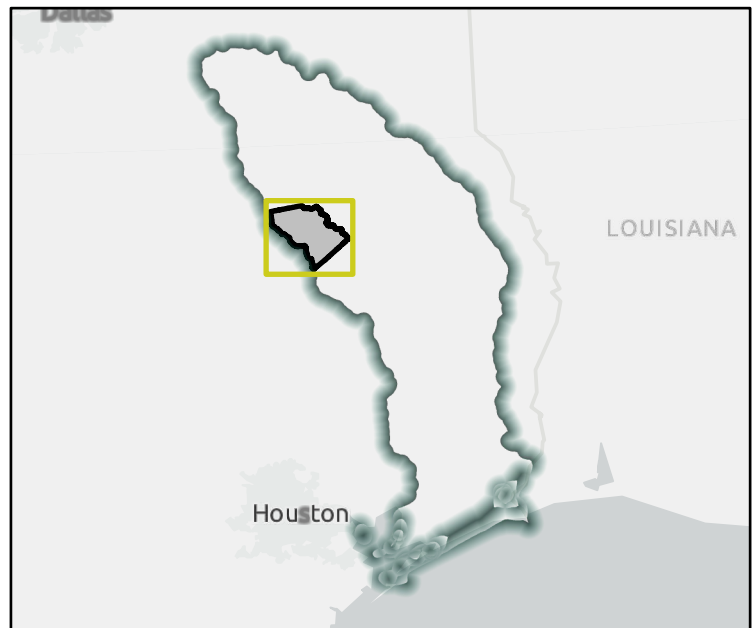
# of low water crossings  # of historical road closures

## 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 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.  
 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 1,388 # of structures 756 # of critical facilities 7

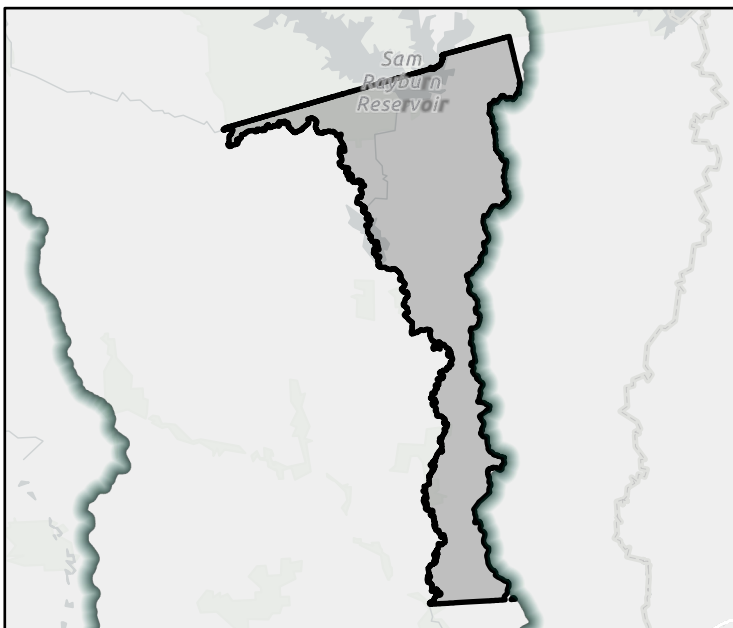
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes

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

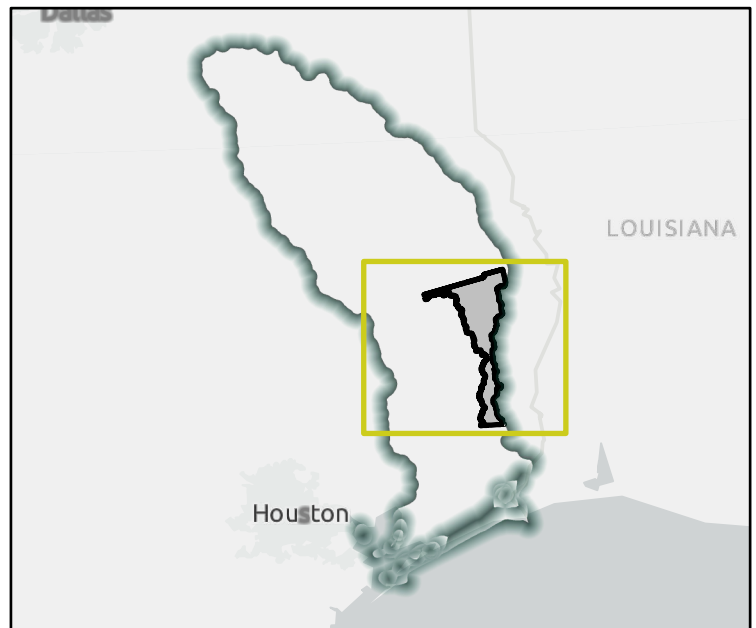
# of low water crossings 3 # of historical road closures 3

## 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

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

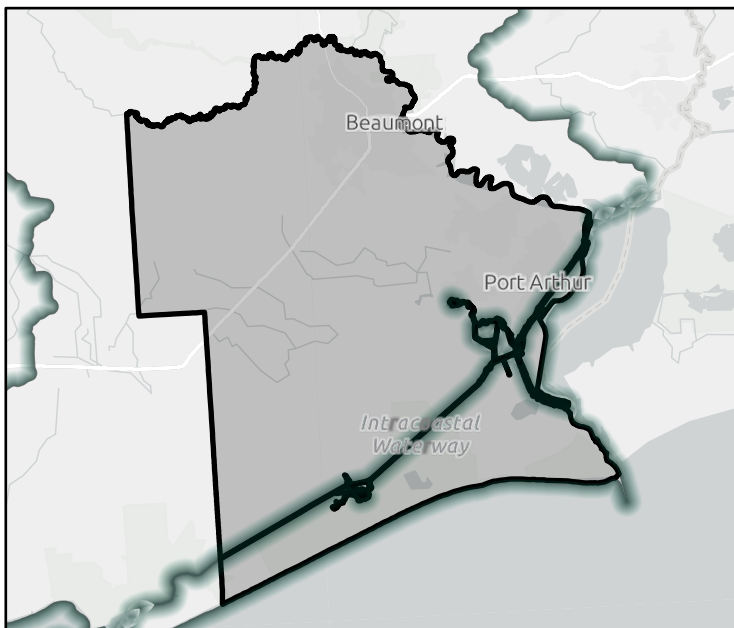
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  No Other?  Yes

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: 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  # of structures  # of critical facilities

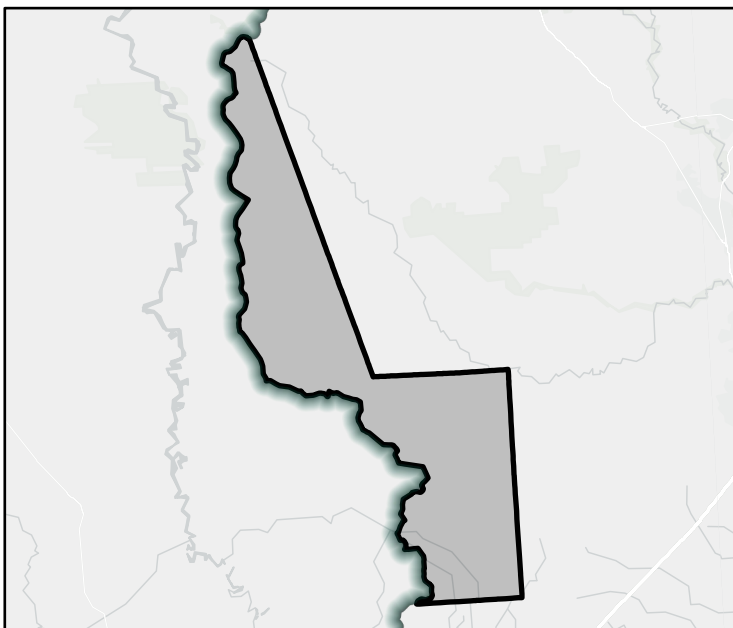
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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)

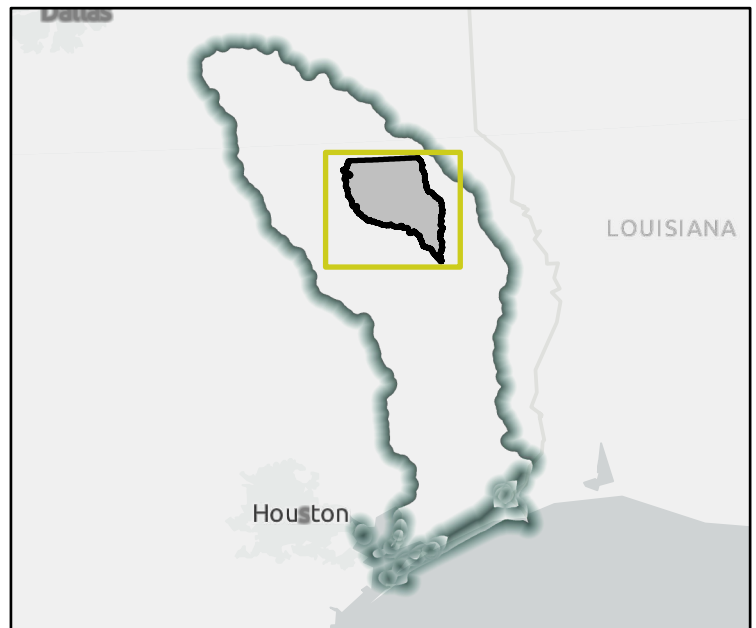
# of low water crossings  # of historical road closures

## 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

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

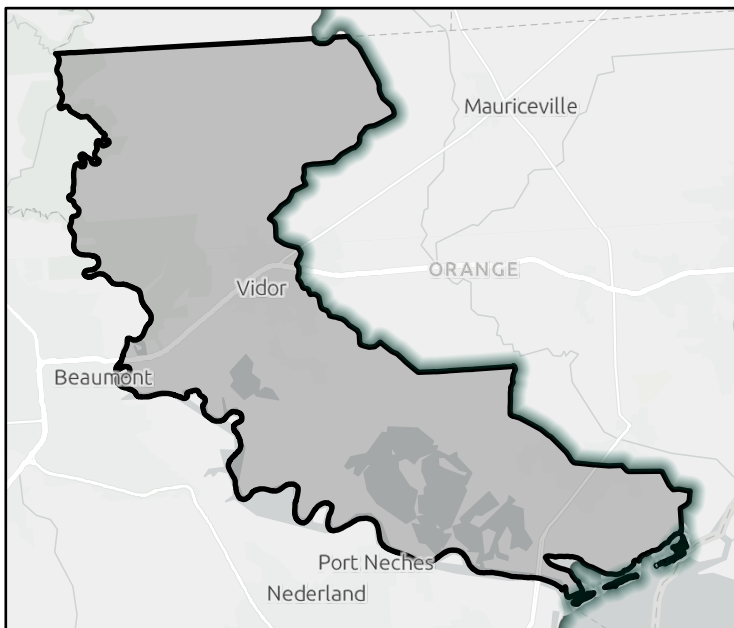
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

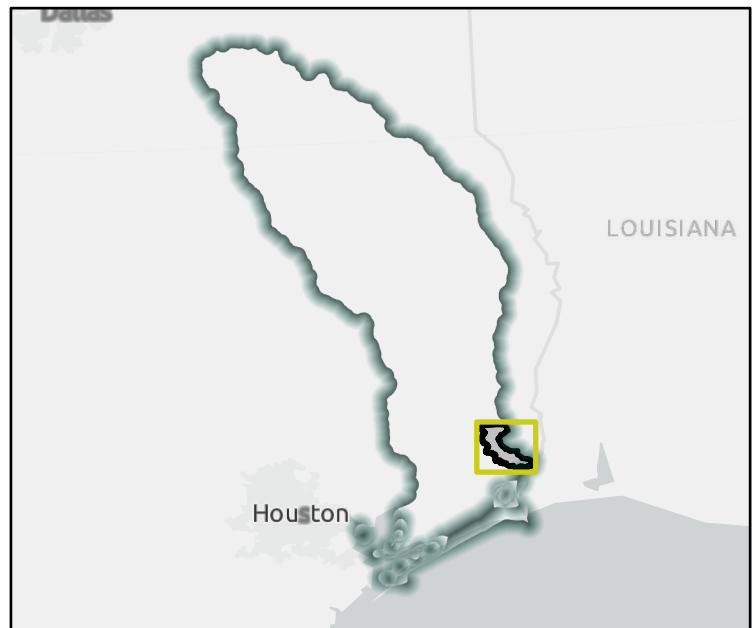
# of low water crossings  # of historical road closures

## 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: 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%.
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## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

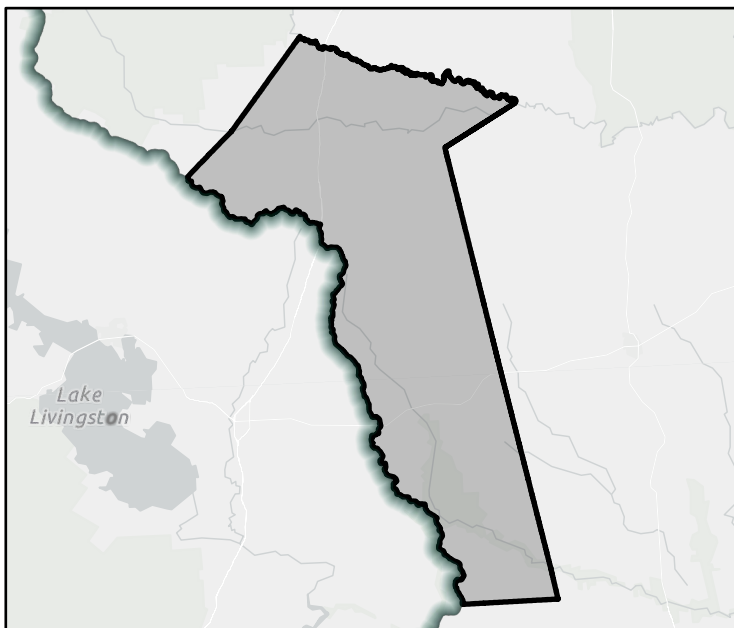
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

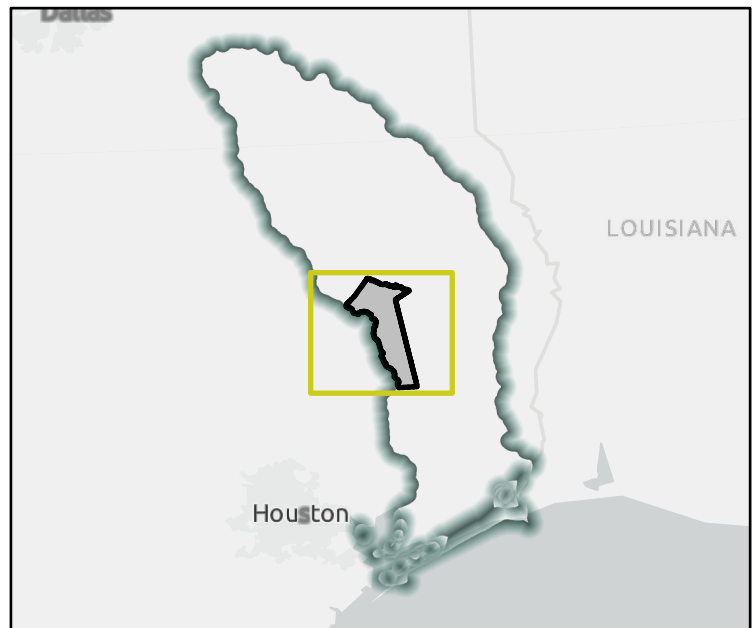
# of low water crossings  # of historical road closures

## 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)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

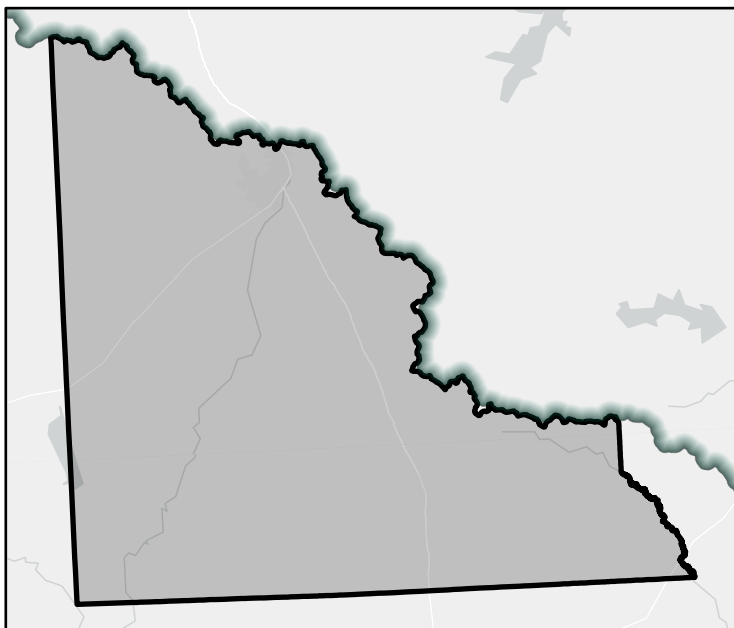
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  No

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

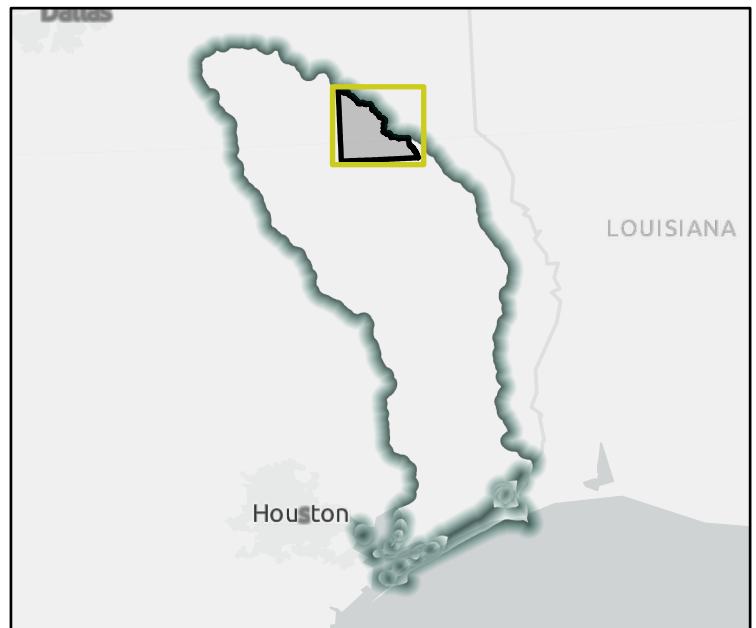
# of low water crossings  # of historical road closures

## 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

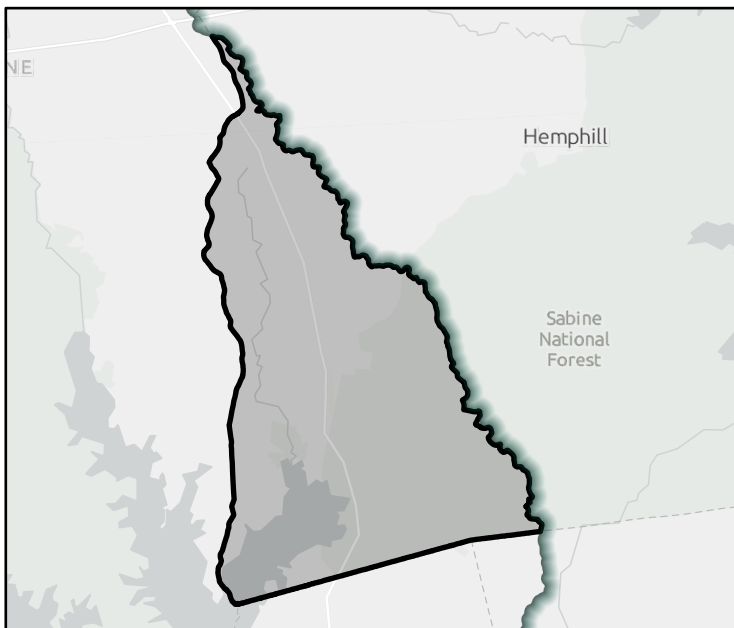
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  Yes

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

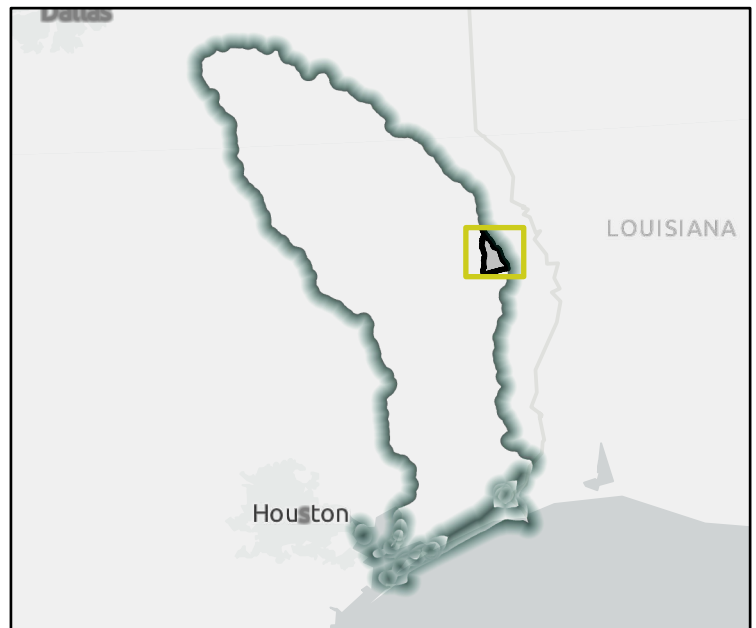
# of low water crossings  # of historical road closures

## 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



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

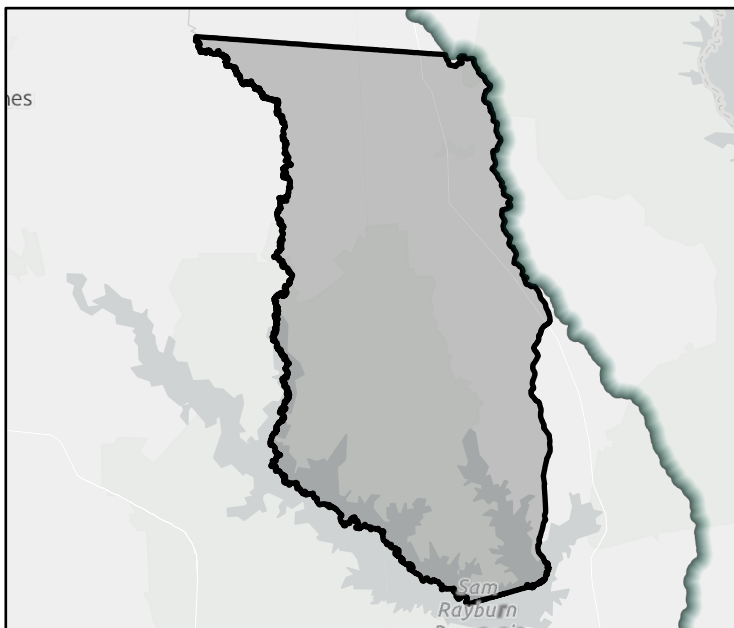
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

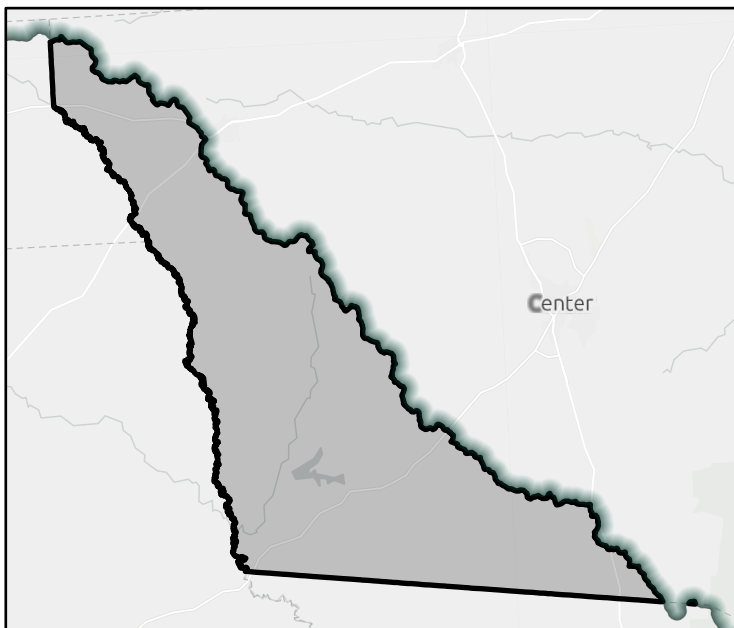
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  No

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

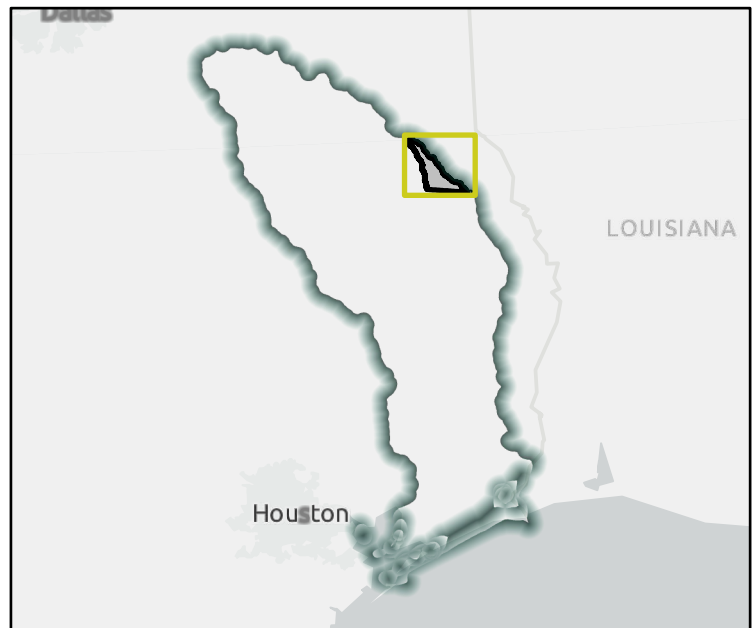
# of low water crossings  # of historical road closures

## 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

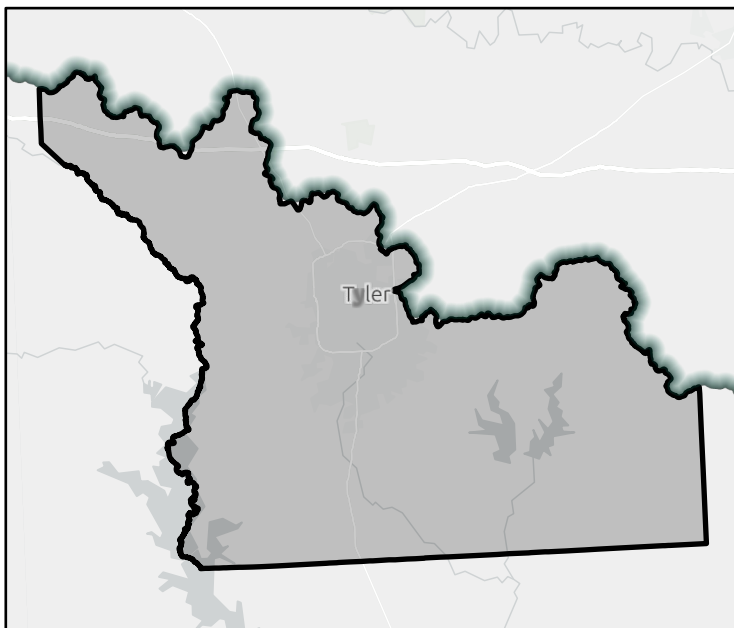
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  Yes

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

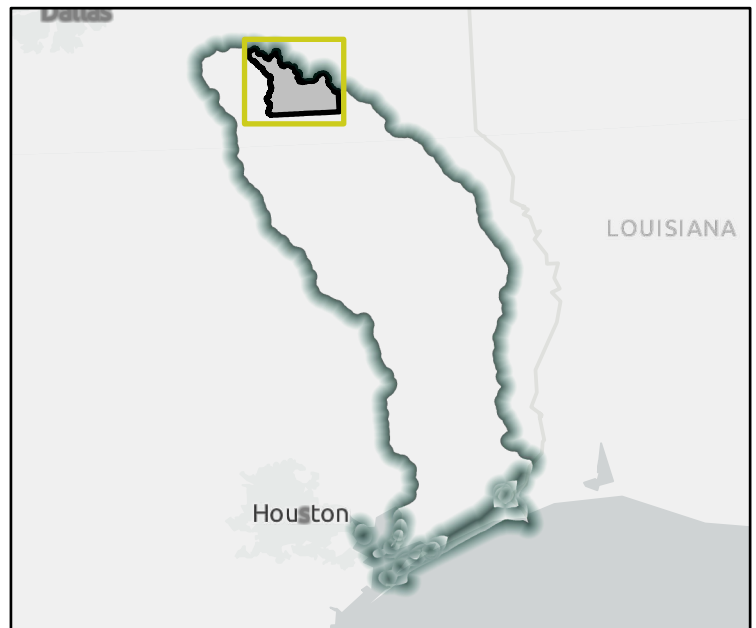
# of low water crossings  # of historical road closures

## 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

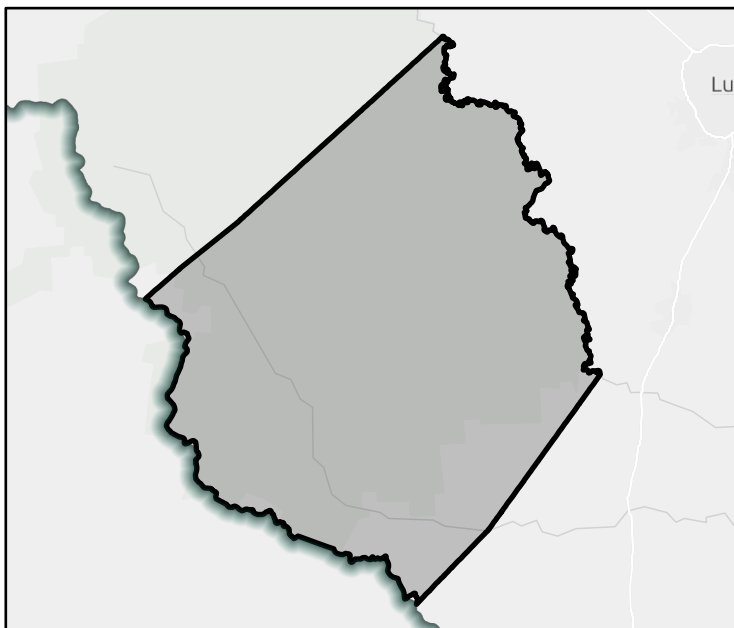
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  No

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



REGIONAL FLOOD PLANNING GROUP

Title **Tyler County Master Drainage Plan**

ID# **051000042** Sponsor **Tyler (County)**

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

## Study Details

Study type **Watershed Planning** County **Tyler**

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.) **932**

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 **278** # of structures **545** # of critical facilities **0**

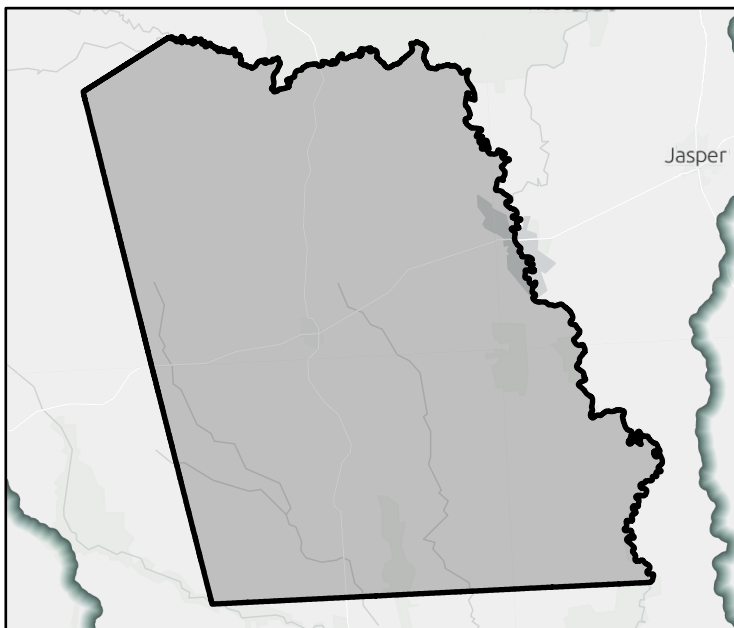
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **No** Other? **Yes**

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 **\$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?  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

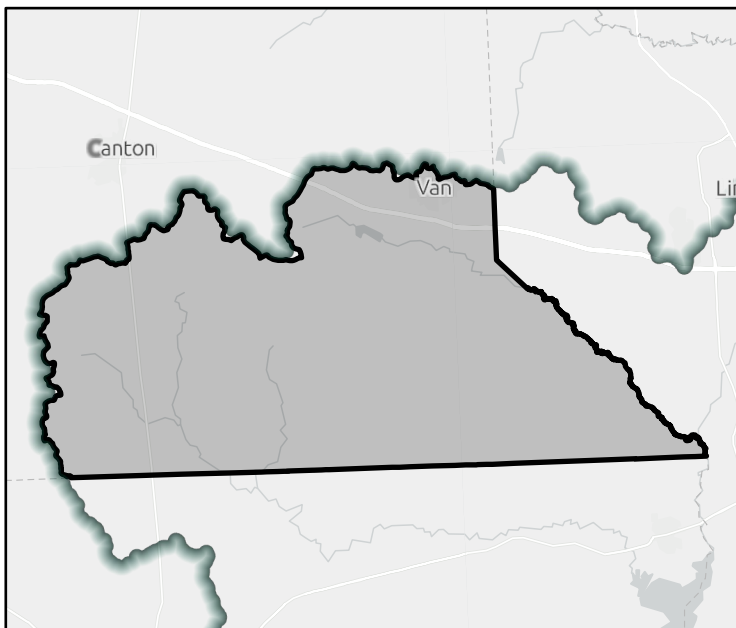
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  Yes

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?  No Drainage area (sq. mi., est.)

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- Goal 1: 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 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

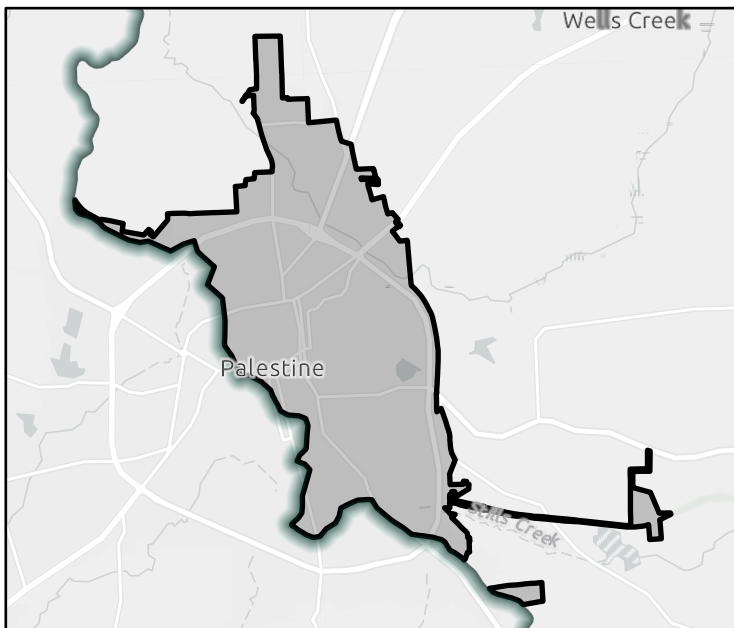
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  No

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

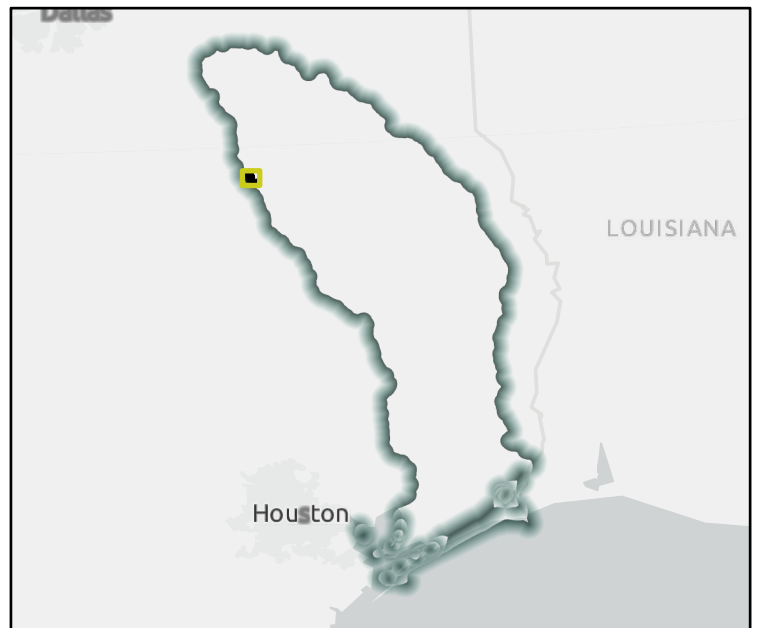
# of low water crossings  # of historical road closures

## 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?  No Drainage area (sq. mi., est.)

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- Goal 1: 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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## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

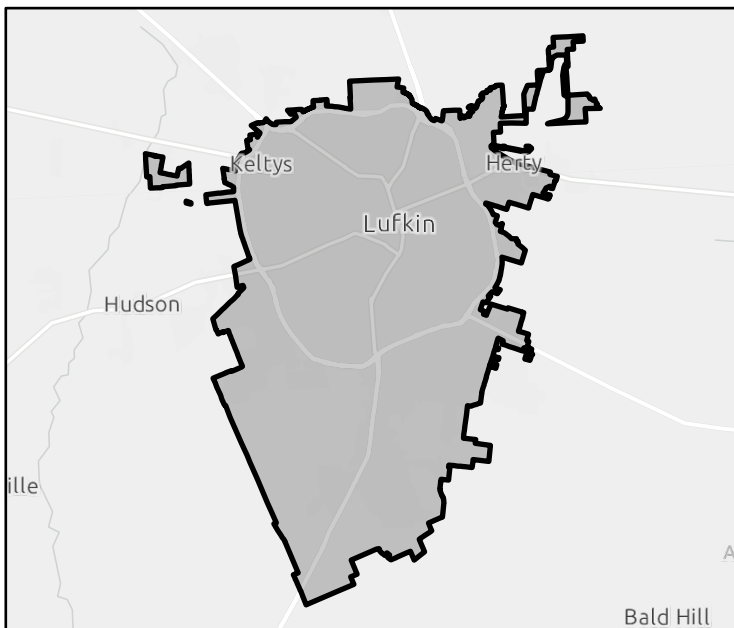
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  Yes

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

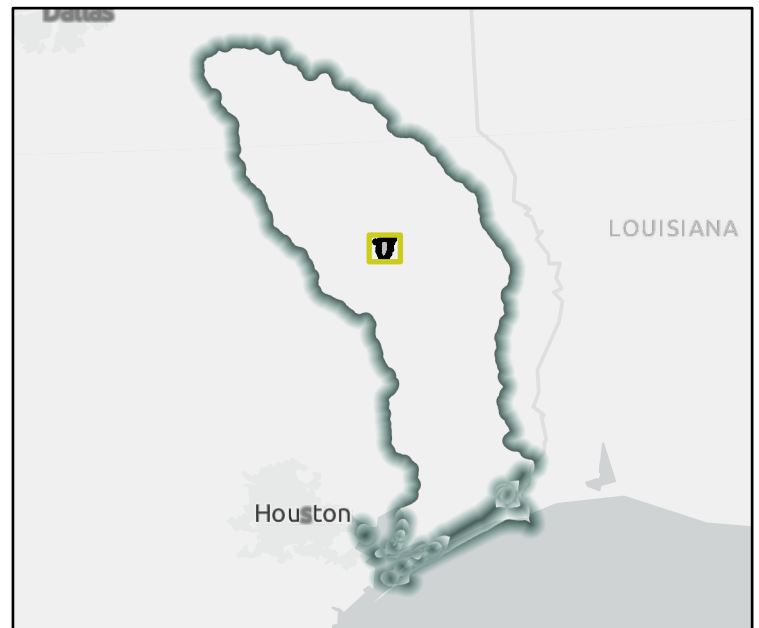
# of low water crossings  # of historical road closures

## 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?  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

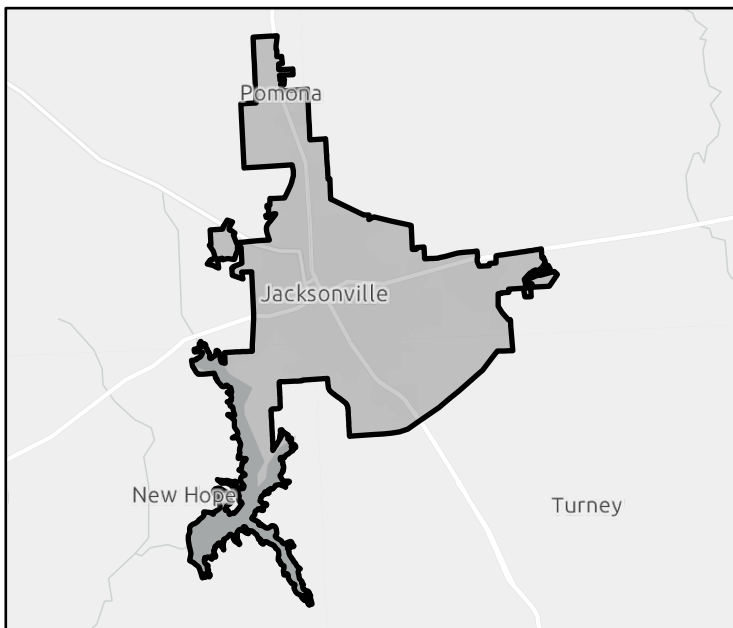
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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?  No Anticipated models in near term?  No Drainage area (sq. mi., est.)

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

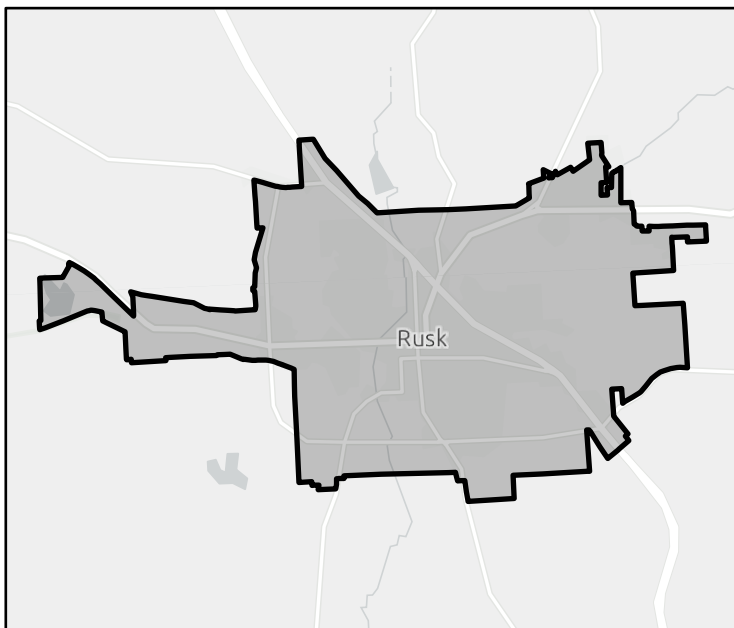
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  No

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

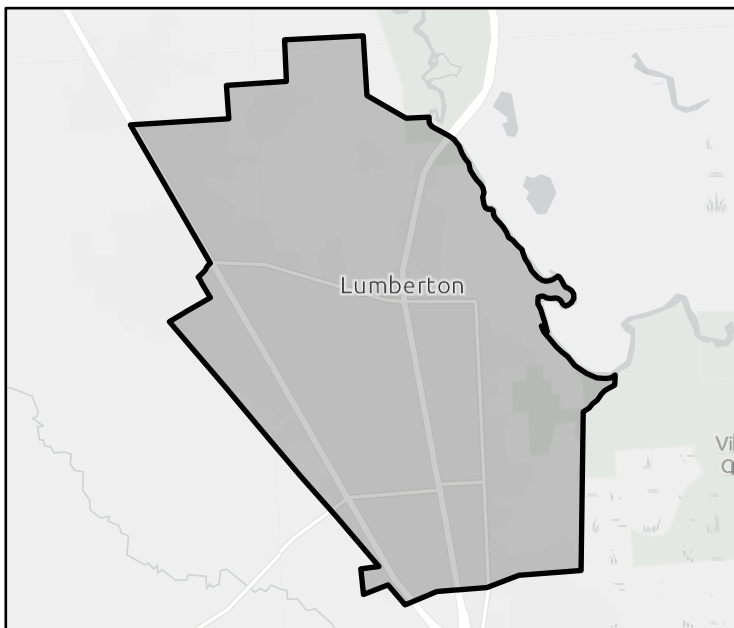
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

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## Study Details

Study type  County

Study description

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

- Goal(s)
- 
- 
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- 

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

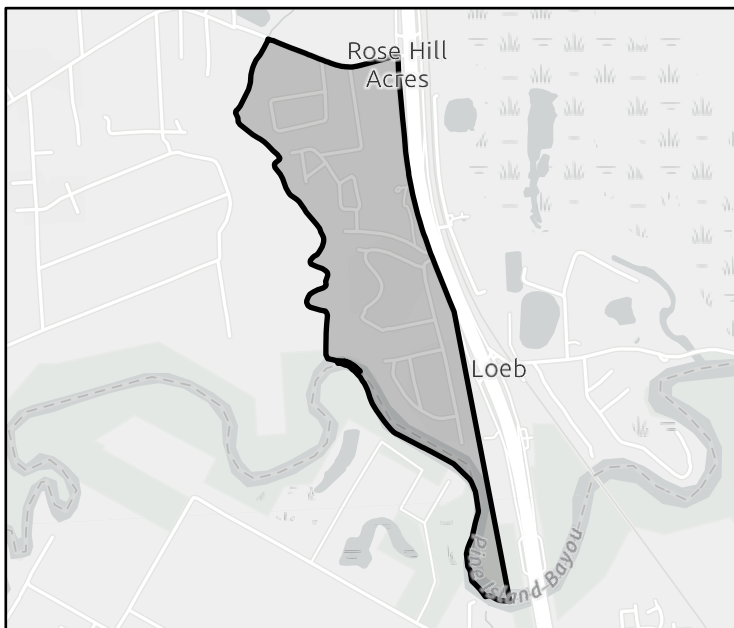
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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



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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- Goal 1: 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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## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

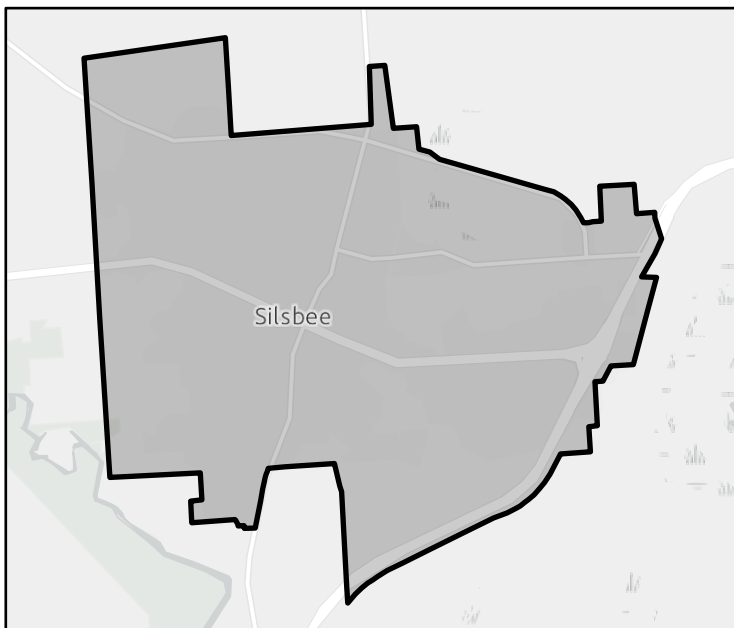
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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?  No Anticipated models in near term?  No Drainage area (sq. mi., est.)

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

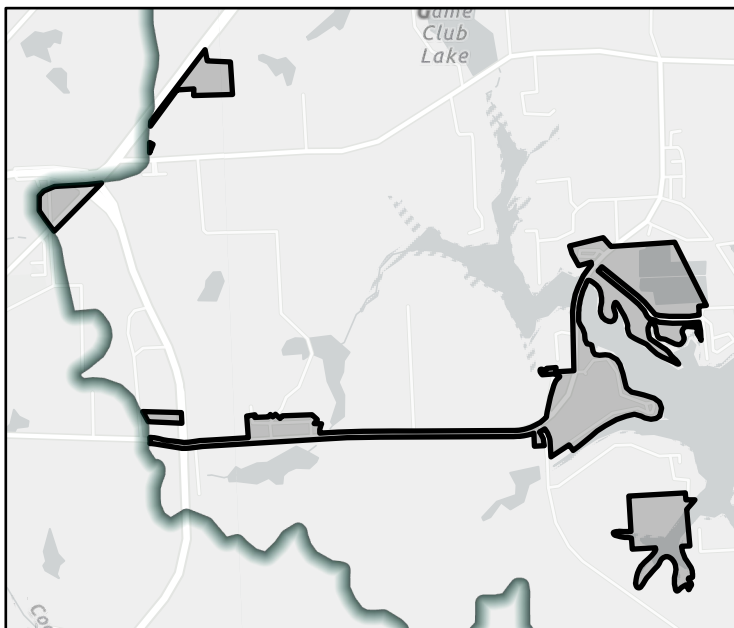
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  No

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

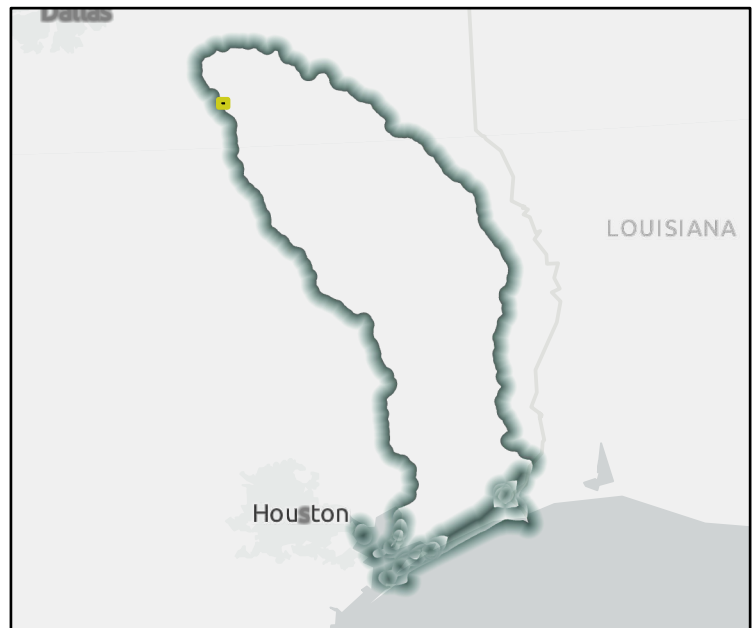
# of low water crossings  # of historical road closures

## 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?  No Drainage area (sq. mi., est.)

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

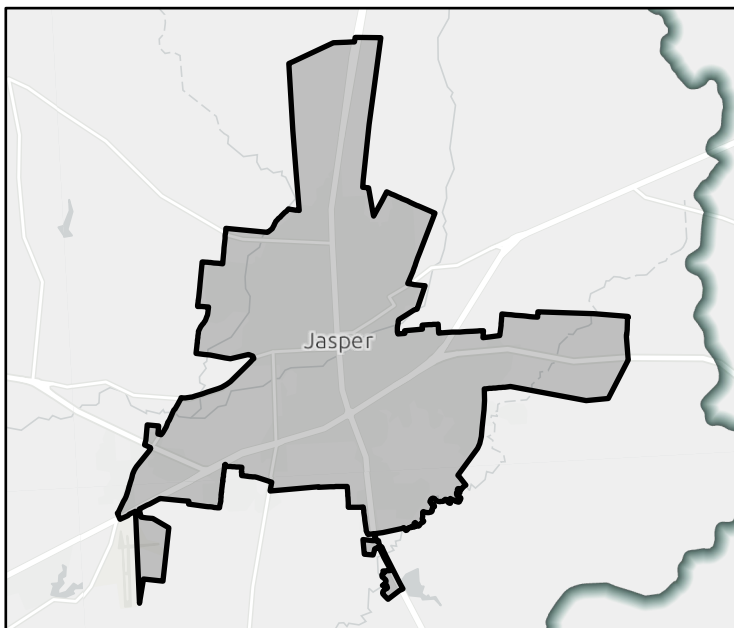
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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?  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

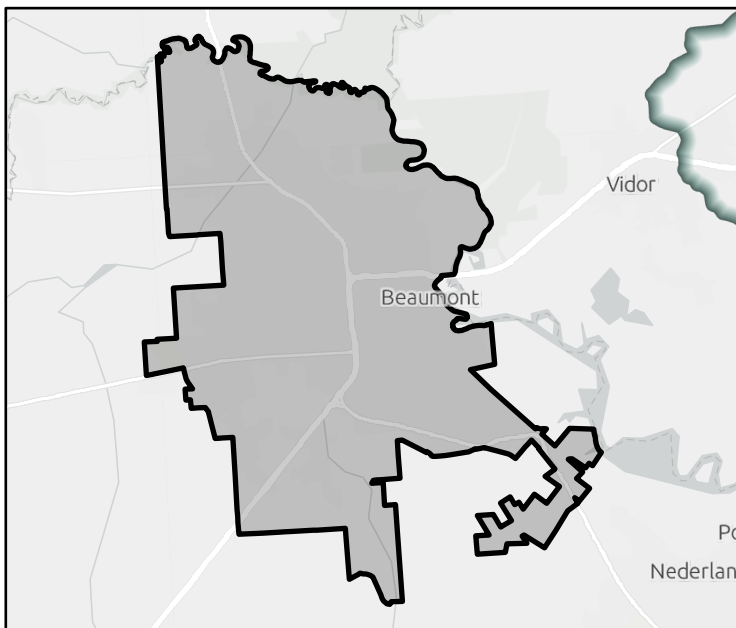
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

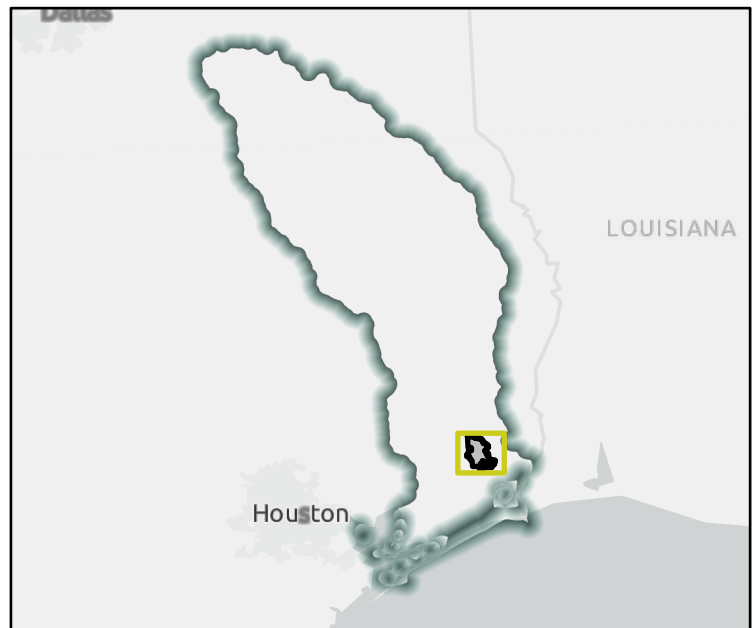
# of low water crossings  # of historical road closures

## 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?  No Drainage area (sq. mi., est.)

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- Goal 1: 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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## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

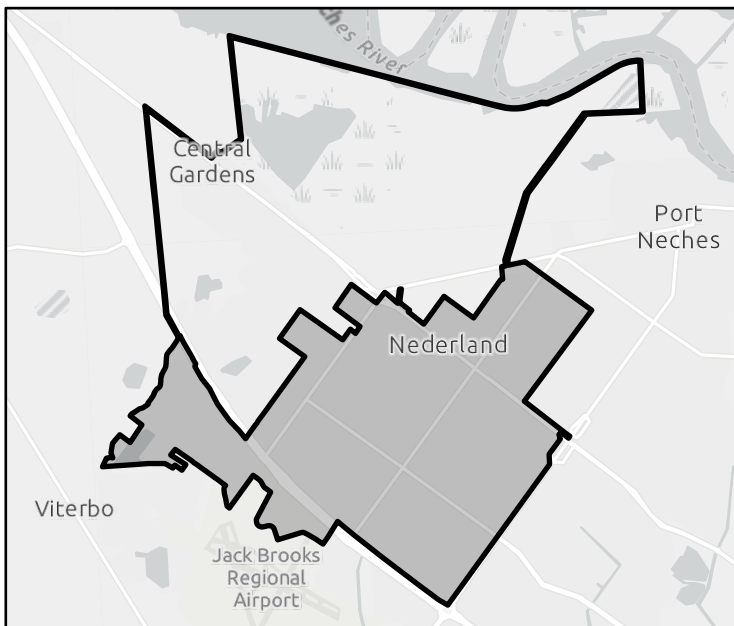
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  No Other?  Yes

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

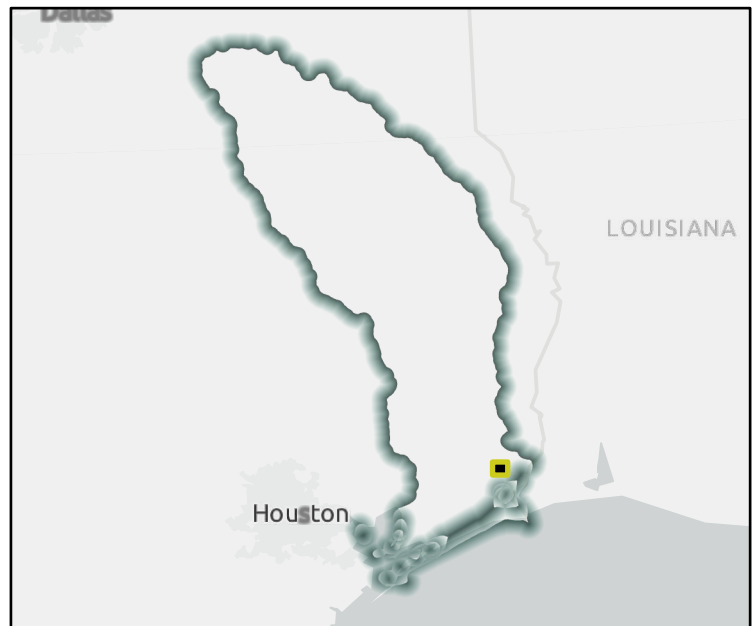
# of low water crossings  # of historical road closures

## 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



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

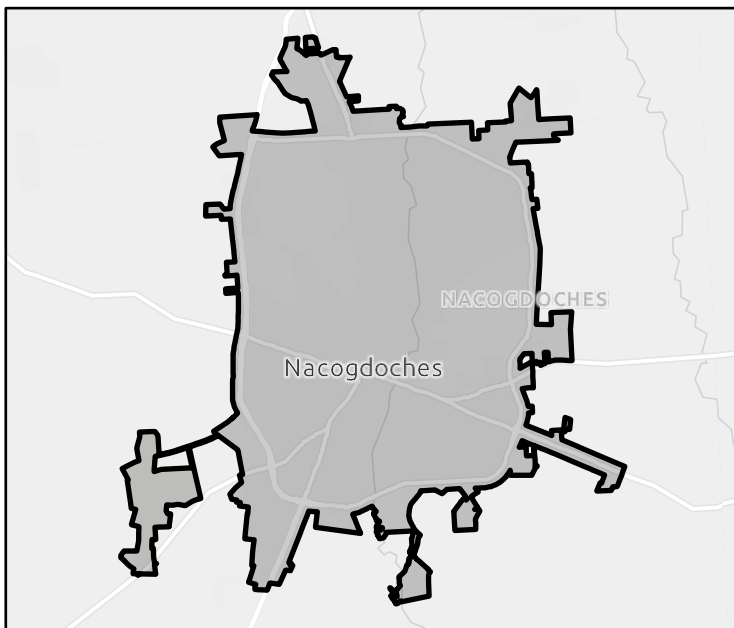
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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?  No Anticipated models in near term?  No Drainage area (sq. mi., est.)

- Goal(s)
- Goal 1: 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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## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

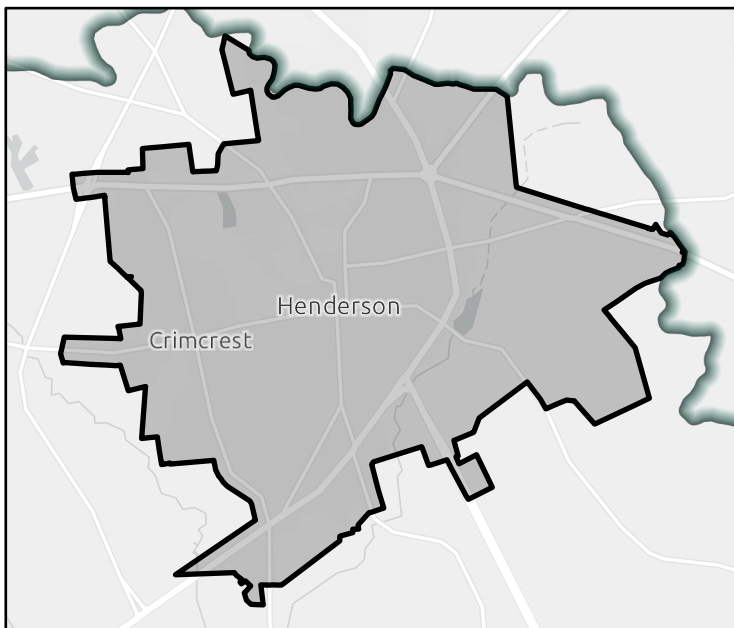
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  No

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

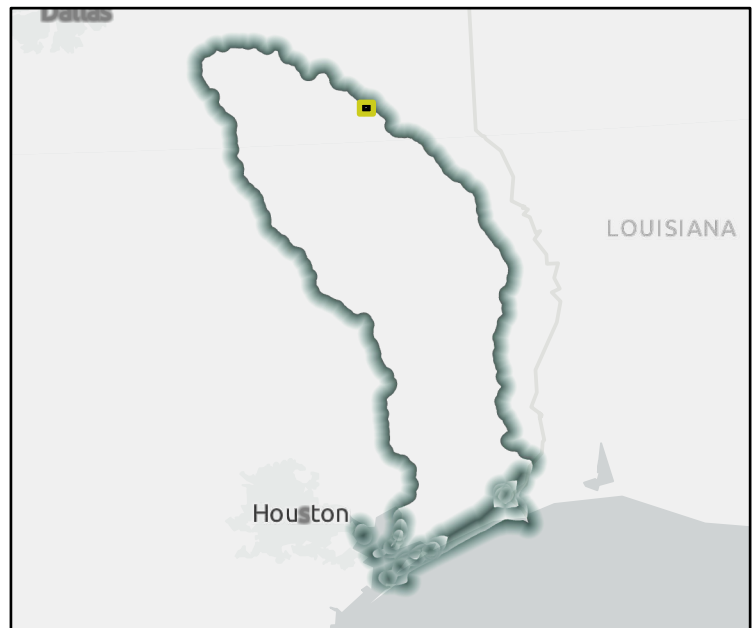
# of low water crossings  # of historical road closures

## 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?  No Anticipated models in near term?  No Drainage area (sq. mi., est.)

- Goal(s)
- Goal 1: 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 2: 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 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
  - Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
  - Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

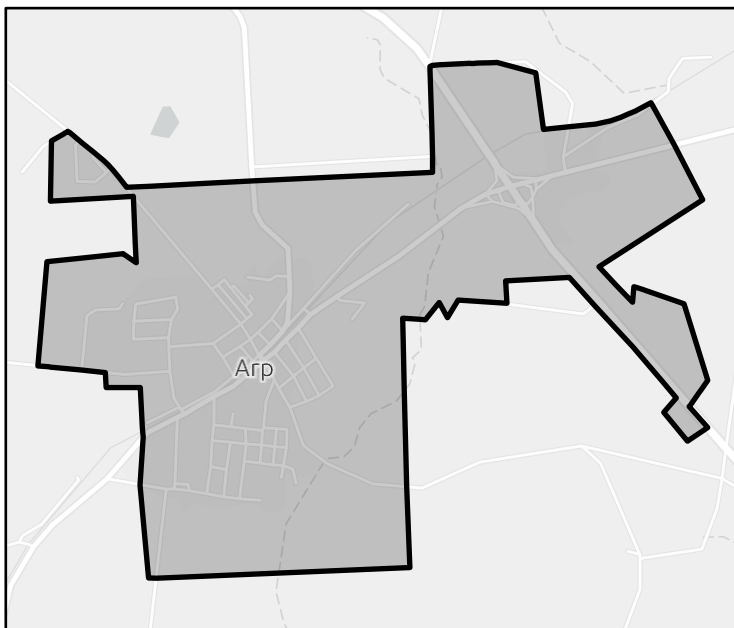
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  No

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



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

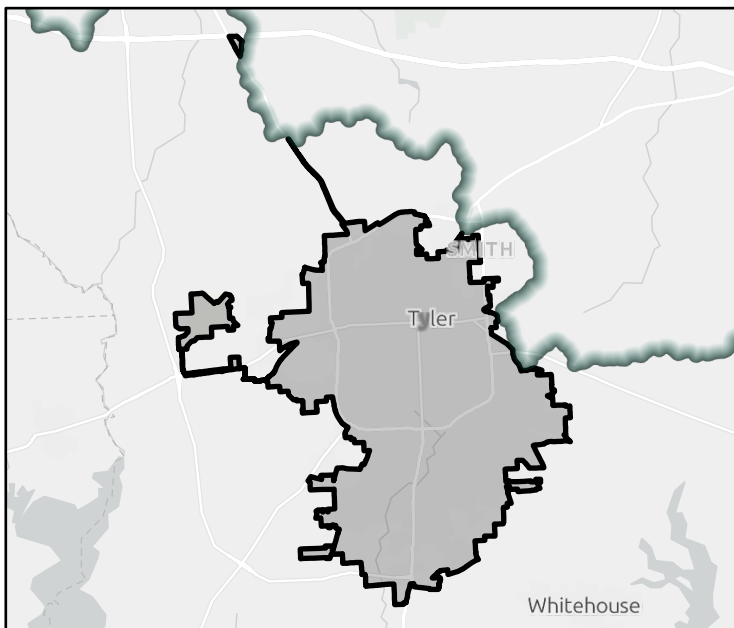
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

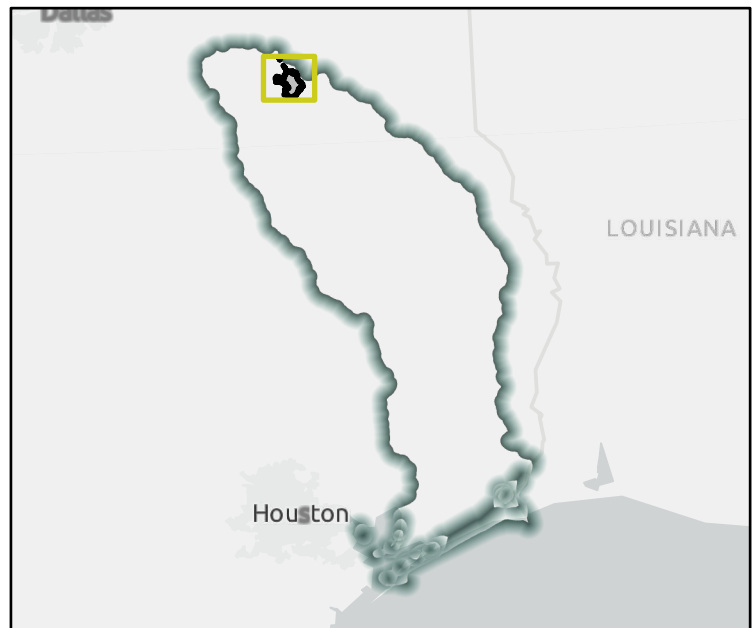
# of low water crossings  # of historical road closures

## 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



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?  No Drainage area (sq. mi., est.)

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

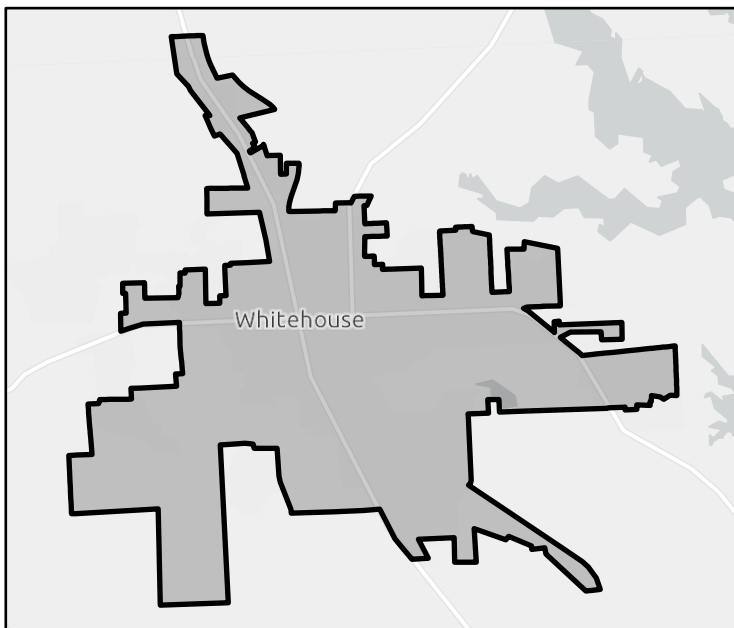
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  No

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

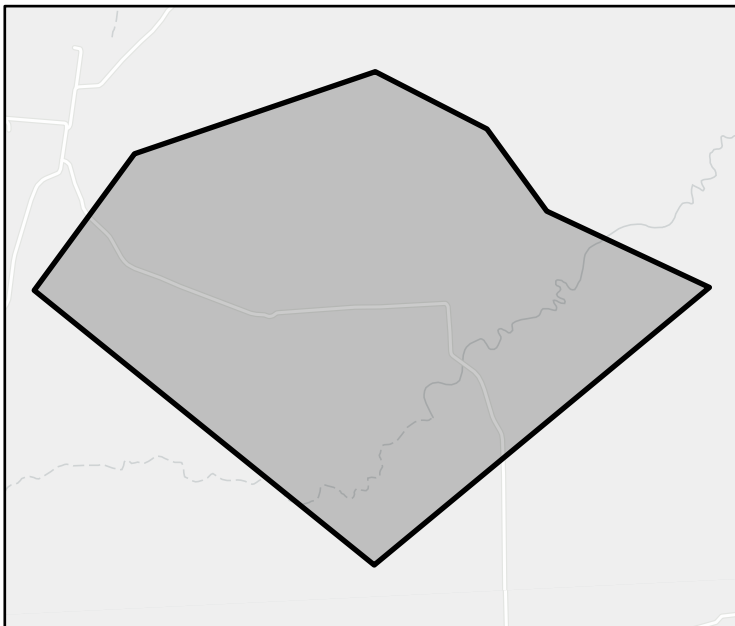
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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?  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) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.  
 Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

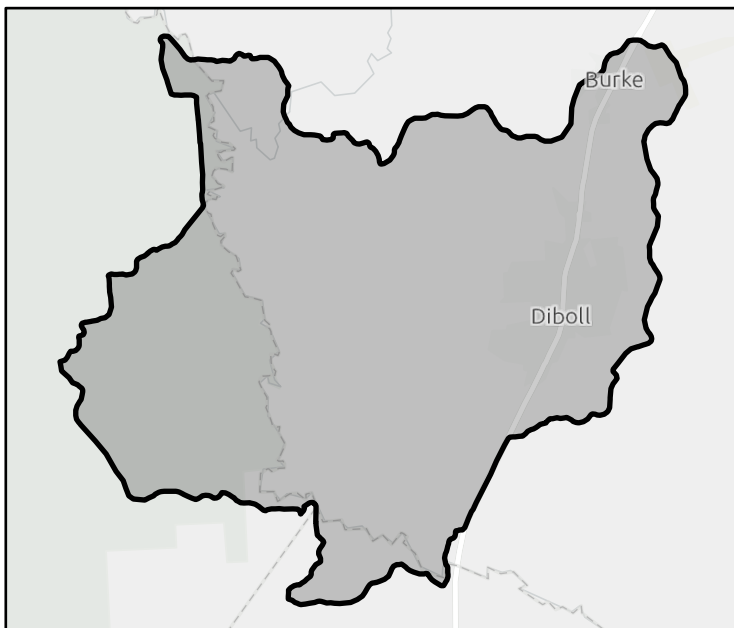
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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?  No Anticipated models in near term?  No Drainage area (sq. mi., est.)

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.  
 Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

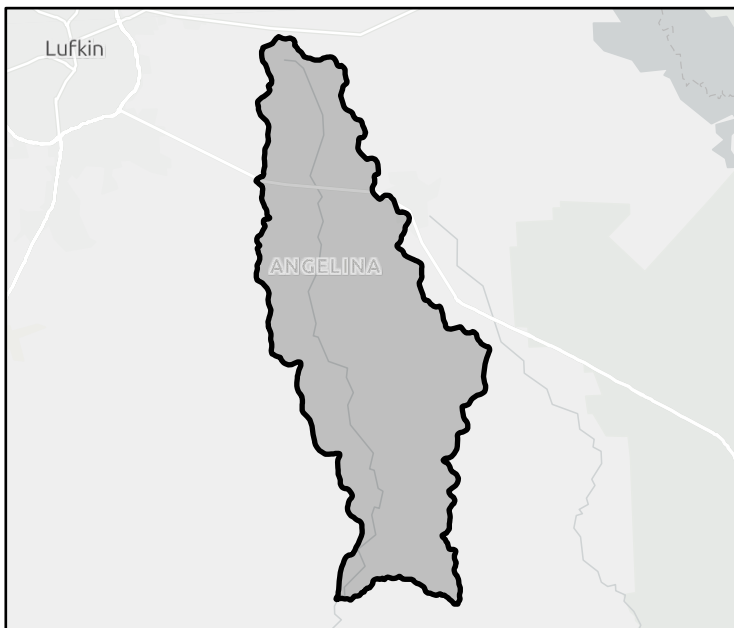
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  No

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

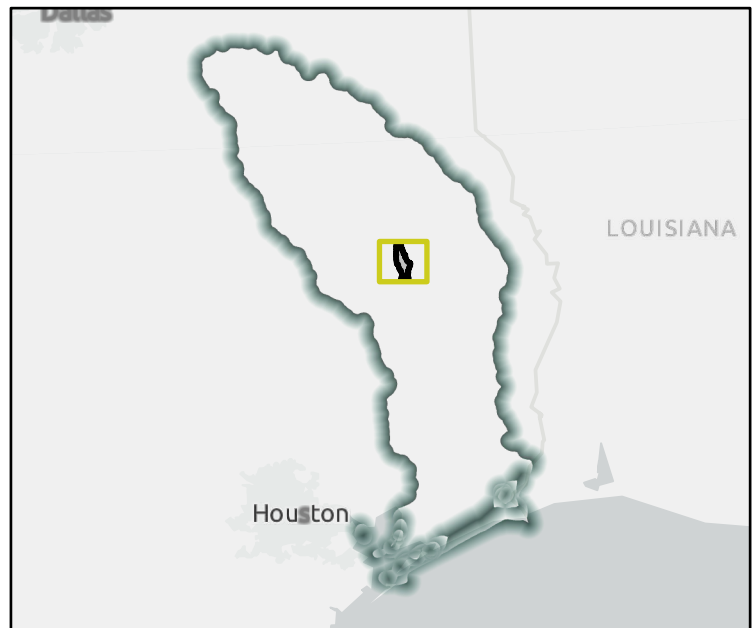
# of low water crossings  # of historical road closures

## 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

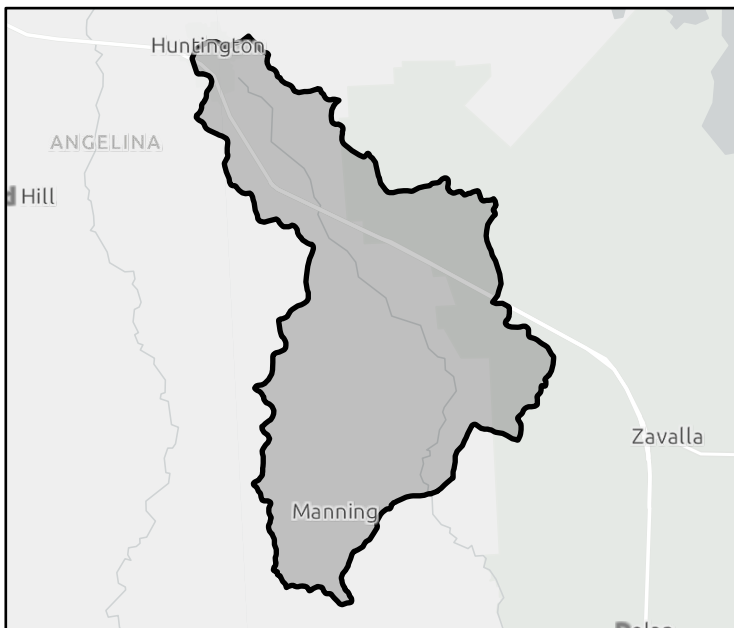
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

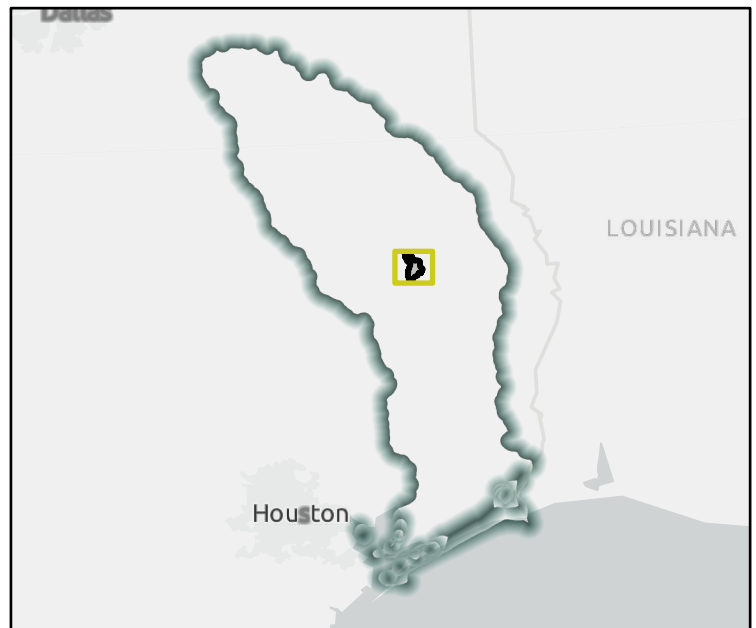
# of low water crossings  # of historical road closures

## 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



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?  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 Coastal?  No Local Flooding?  Yes Other?  Yes

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

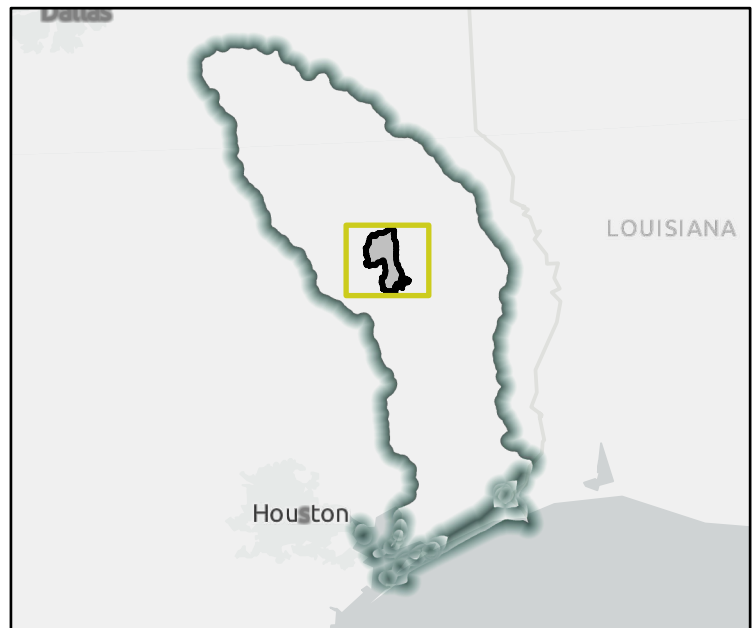
# of low water crossings  # of historical road closures

## 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 Chambers

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

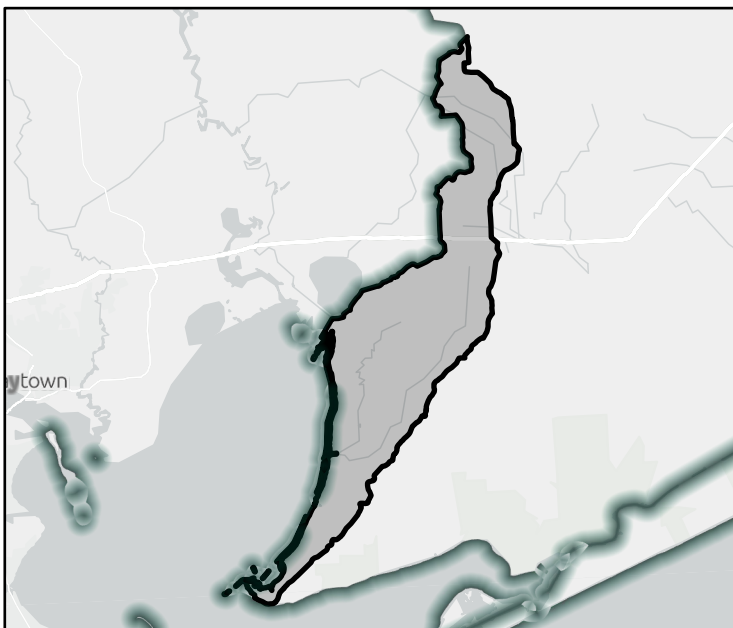
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  No Other?  Yes

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

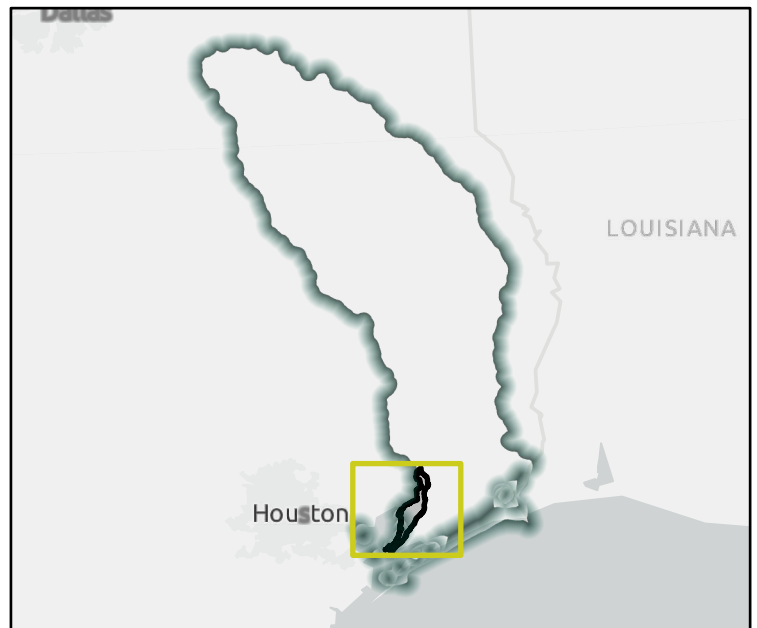
# of low water crossings  # of historical road closures

## 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?  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

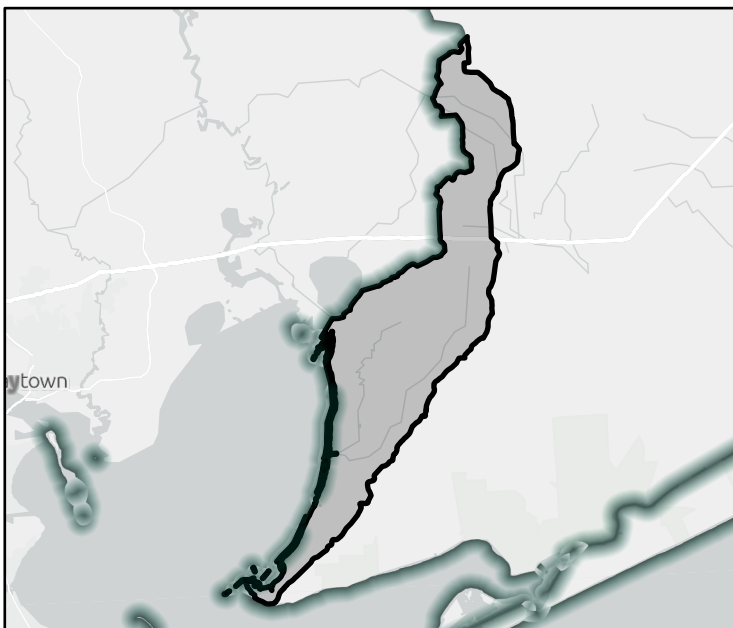
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

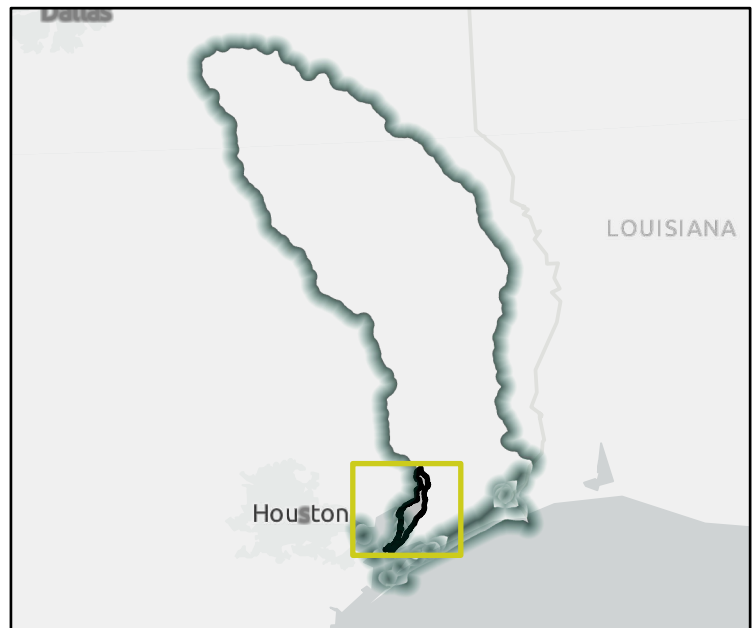
# of low water crossings  # of historical road closures

## 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

# 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

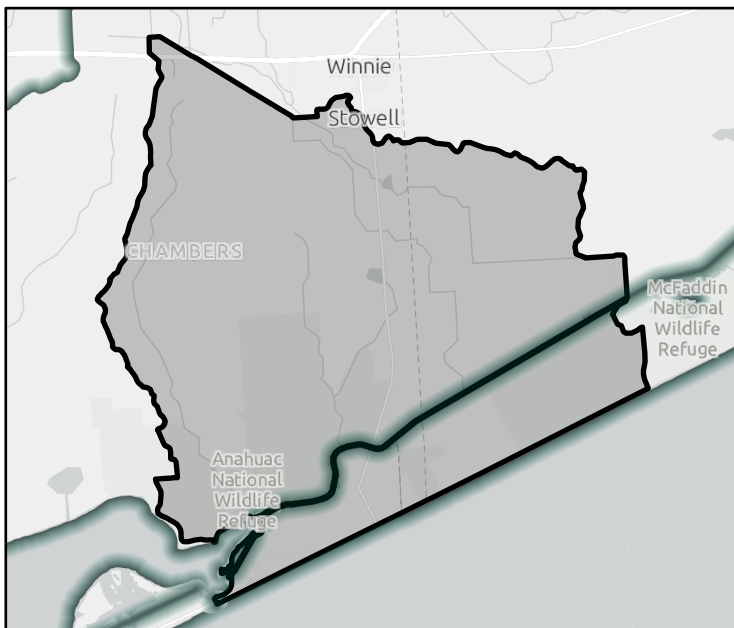
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

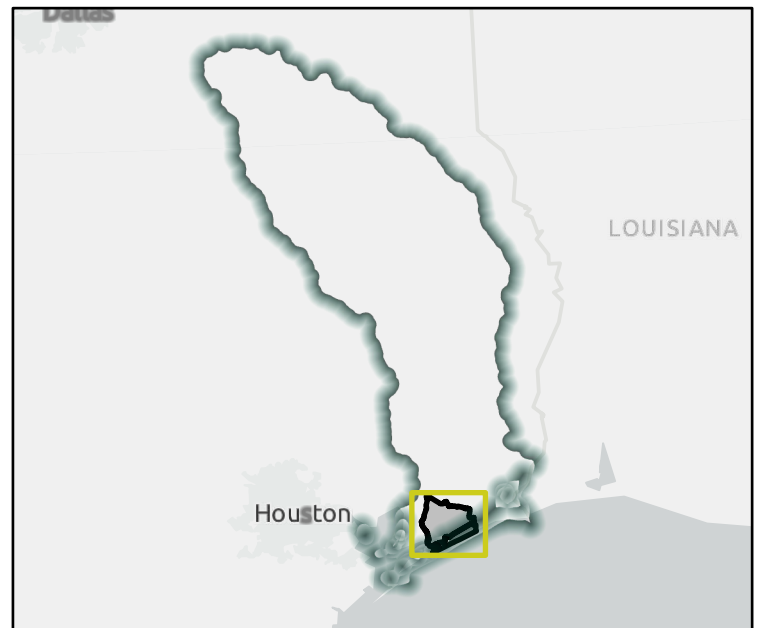
# of low water crossings  # of historical road closures

## 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?  Reason for Recommendation

## Study Details

Study type

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

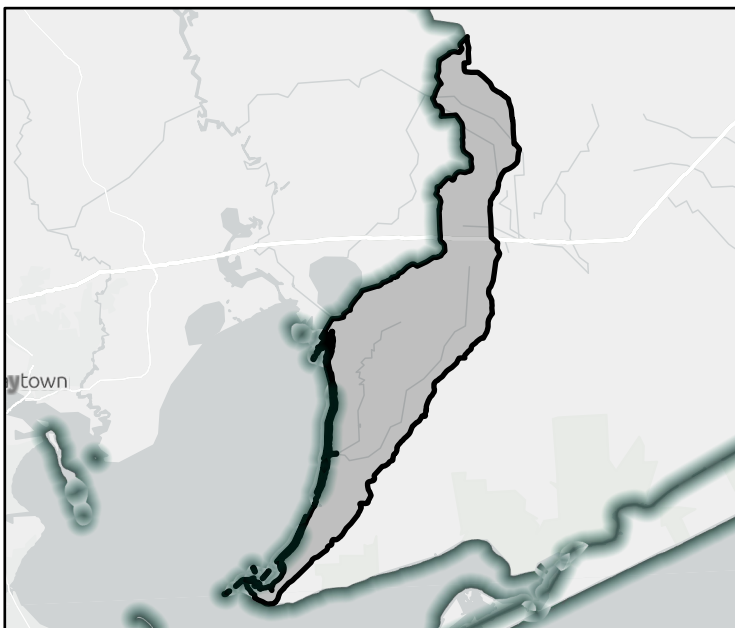
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

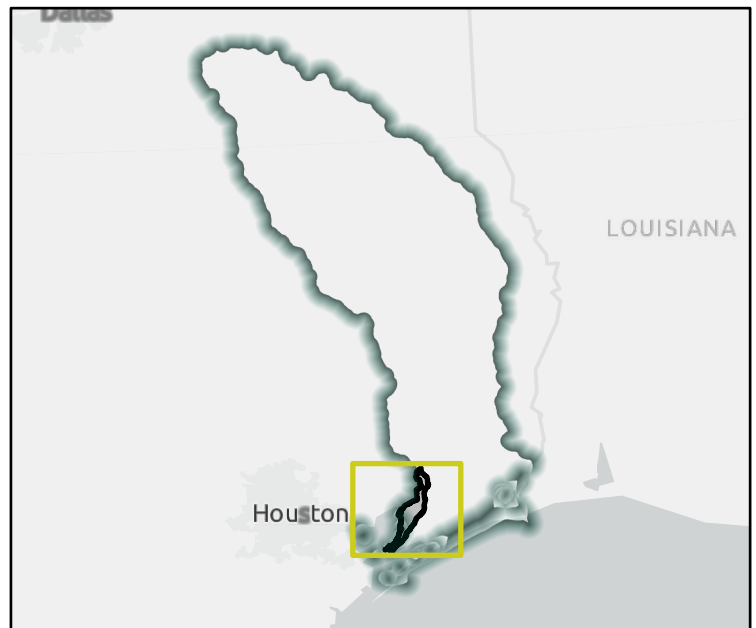
# of low water crossings  # of historical road closures

## 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?  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

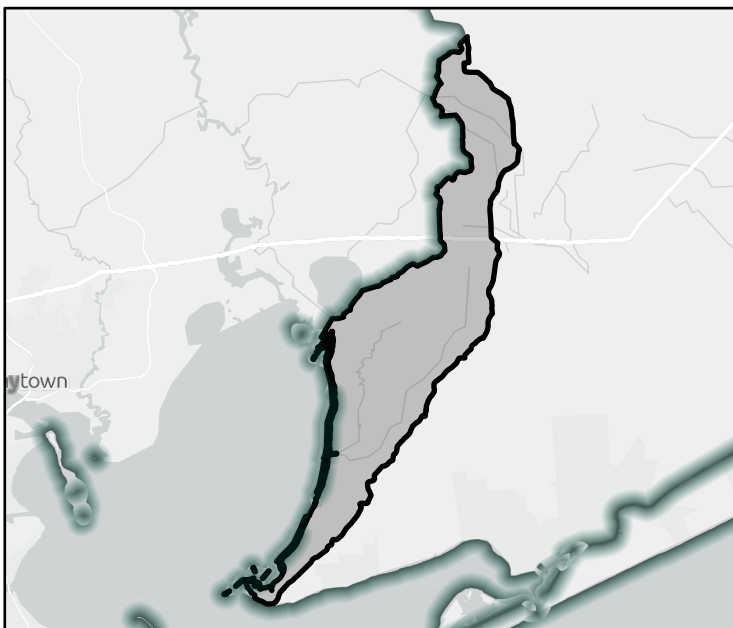
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

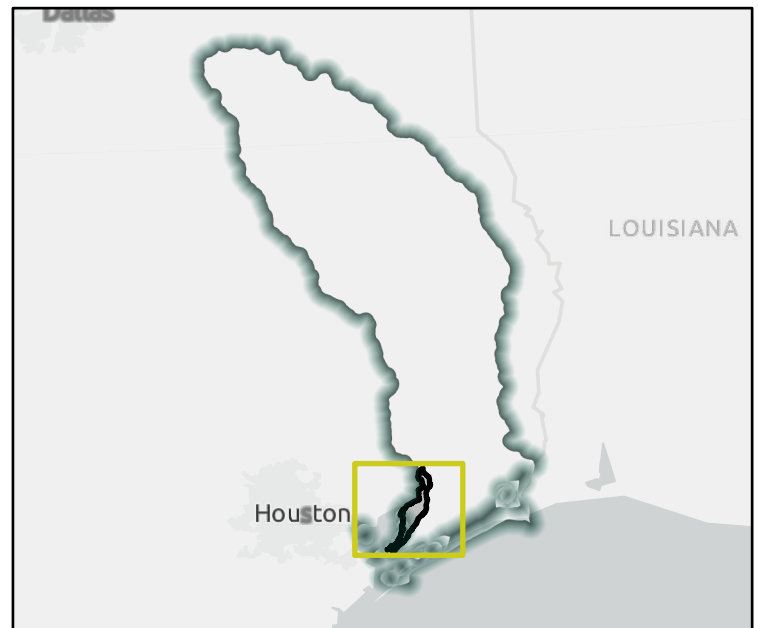
# of low water crossings  # of historical road closures

## 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

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title Southwest Anahuac Ditch

ID# 051000070 Sponsor Anahuac (Municipality)

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

## Study Details

Study type Project Planning County Chambers

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include channelization and crossing upgrades from Main Street to Bay.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 139

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.

## 100-Year Flood Risk Summary

Population at risk 925 # of structures 949 # of critical facilities 0

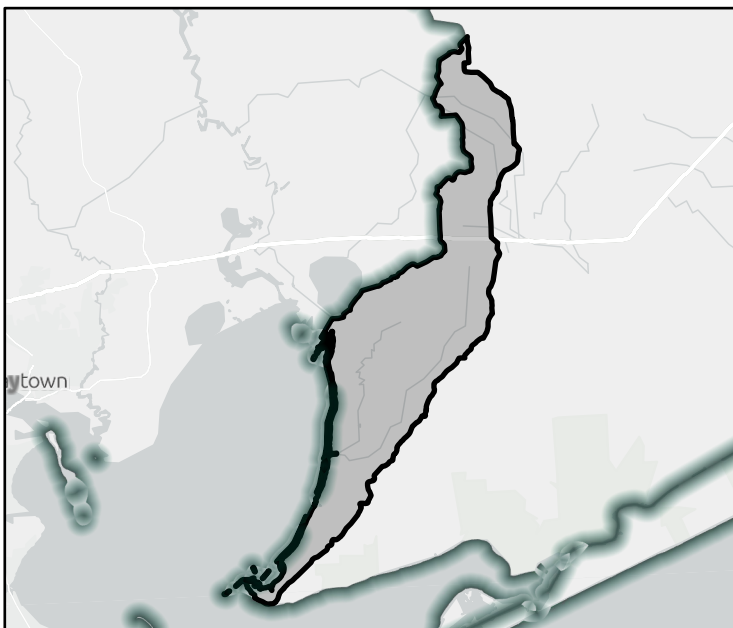
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) 10,886 Roadways impacted (miles) 59

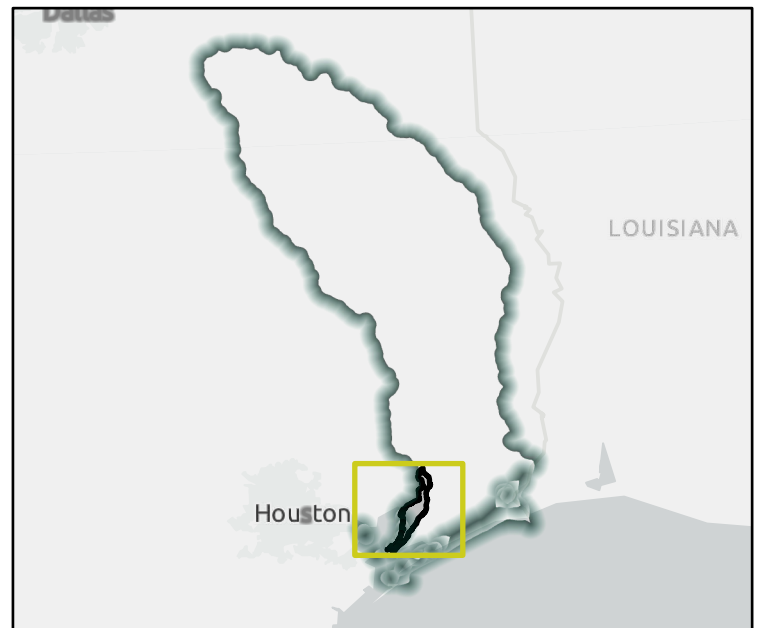
# of low water crossings 0 # of historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$125,000 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

Study description

FME to create new H&H model?  Emergency Need?  Anticipated models in near term?  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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

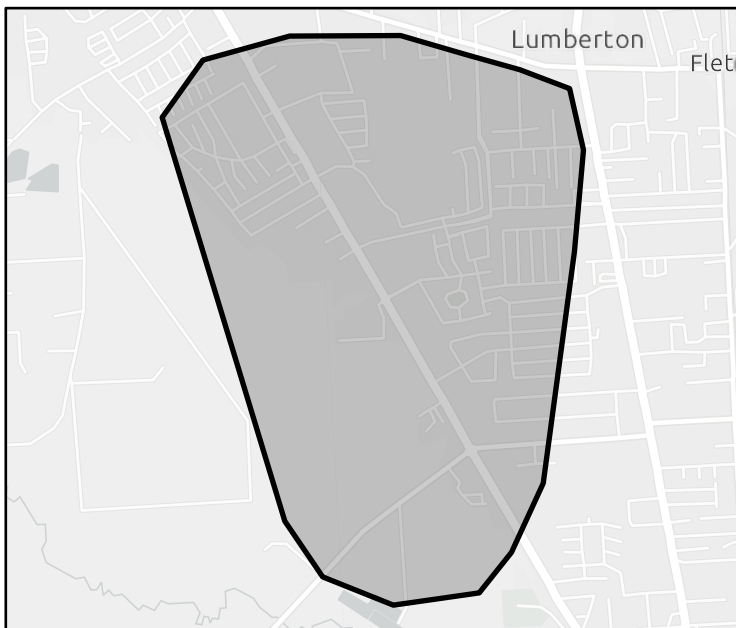
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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?  No Drainage area (sq. mi., est.)

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.  
 Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

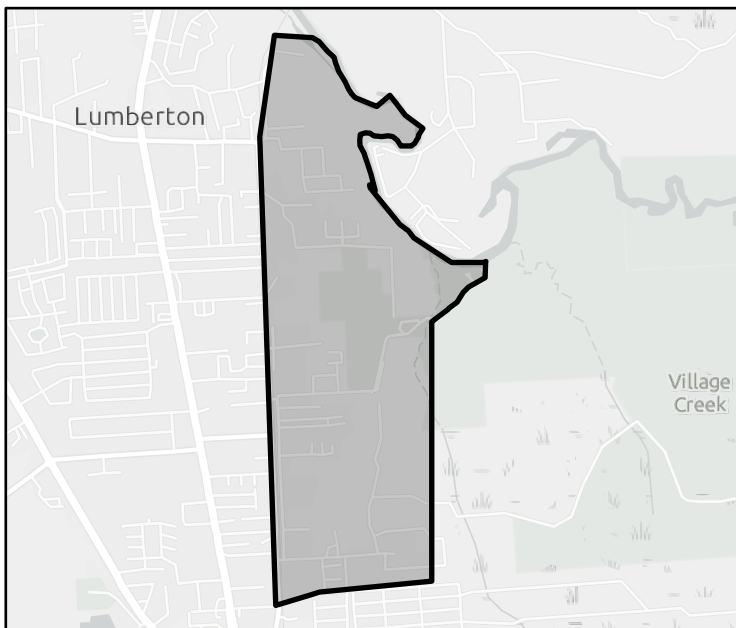
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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?  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

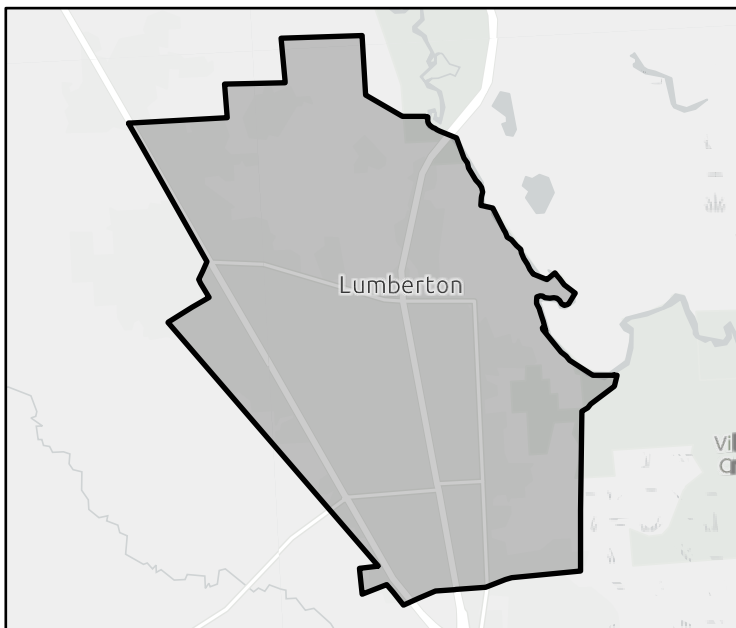
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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?  No Drainage area (sq. mi., est.)

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

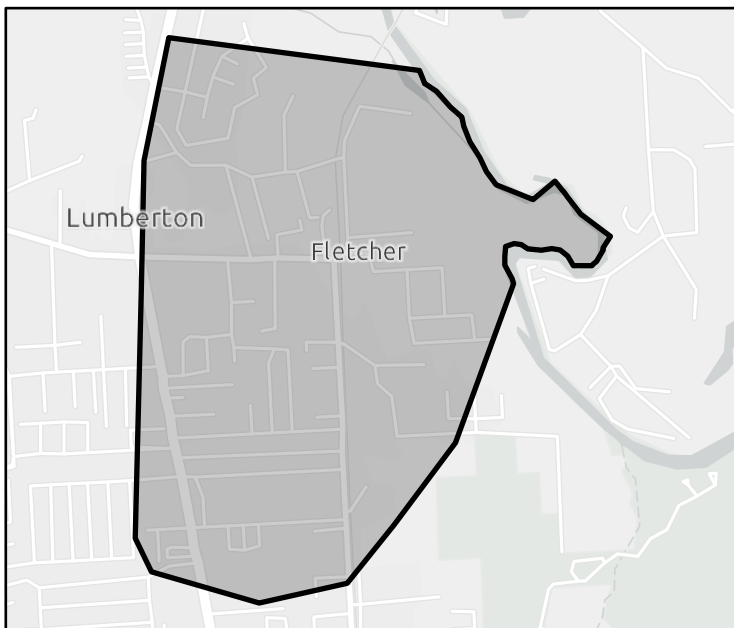
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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?  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

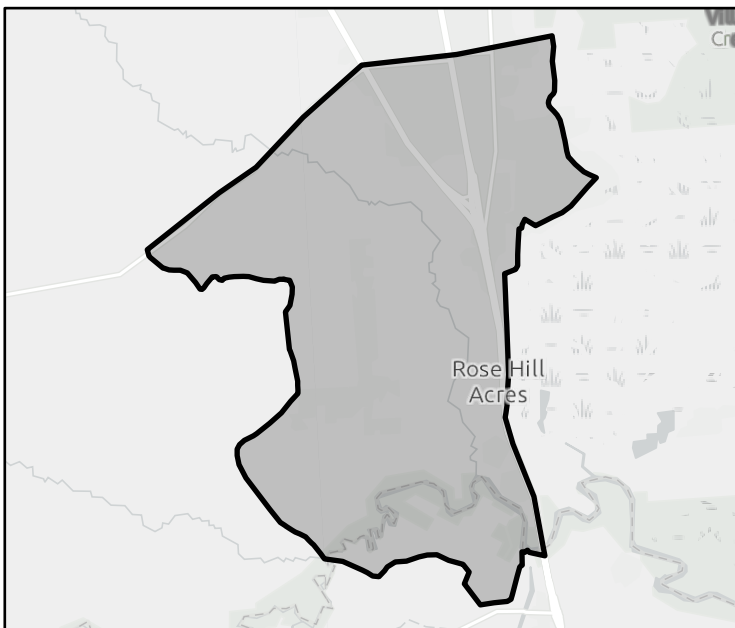
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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?  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) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.  
 Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

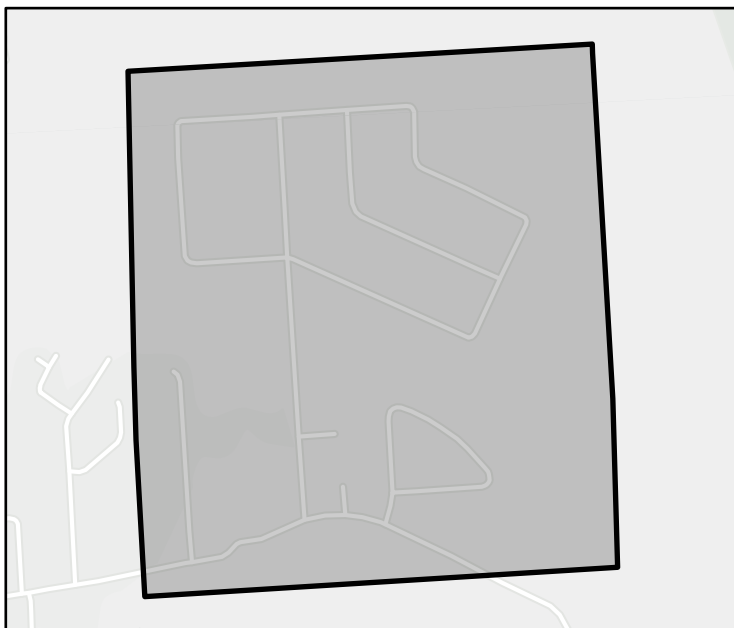
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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)
- 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: Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 25%.
  - Goal 6: Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 75%.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

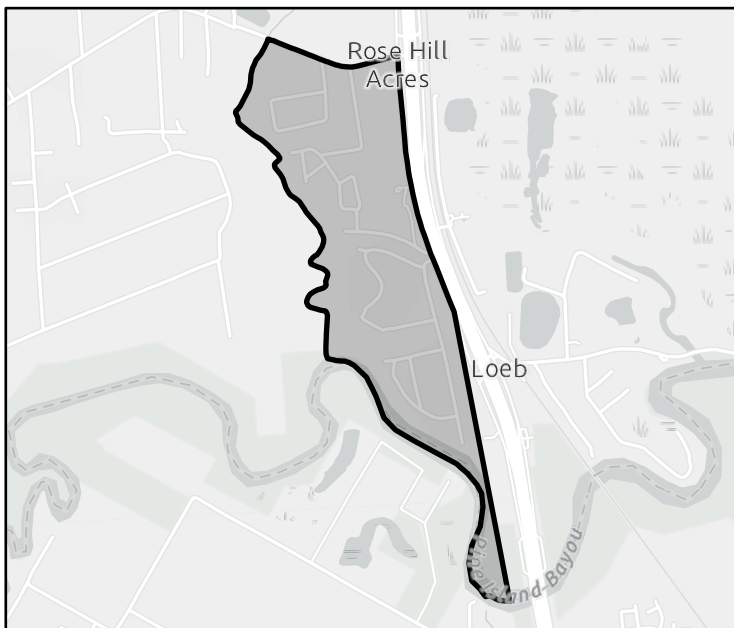
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

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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)
- 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: Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 75%.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

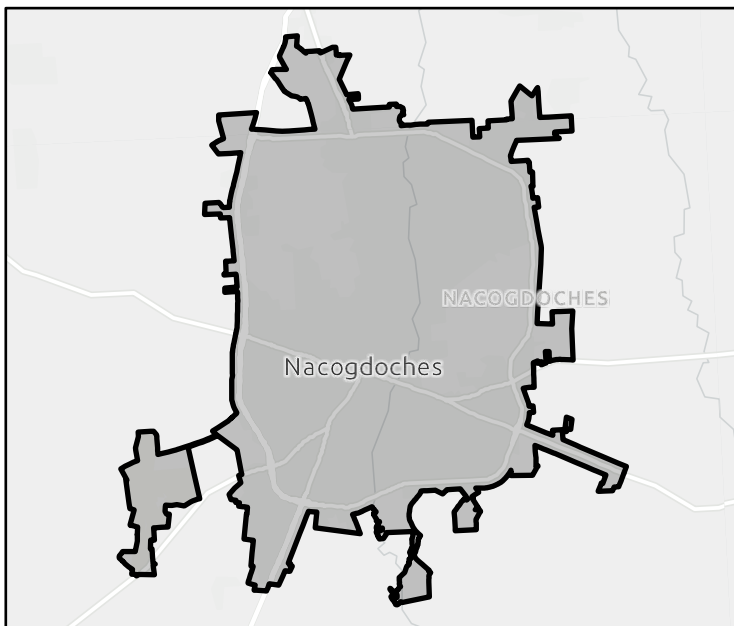
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

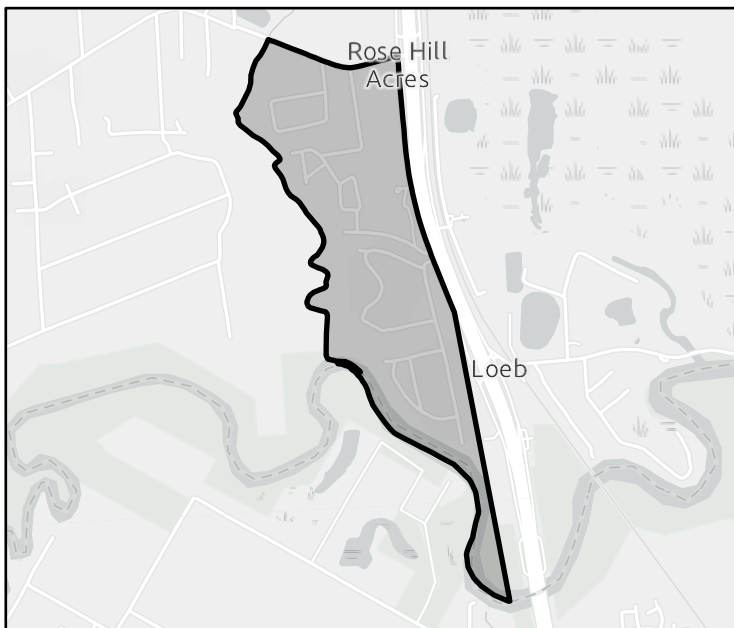
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

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) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.  
 Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

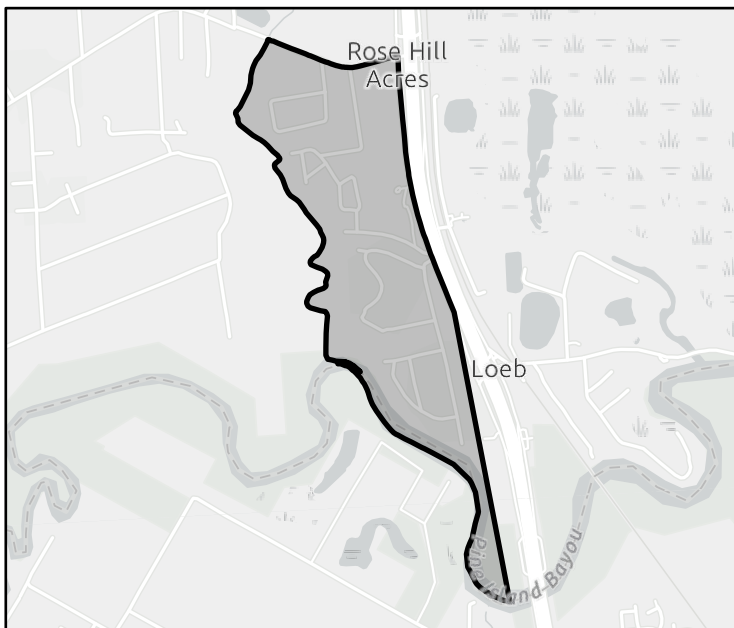
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.  
 Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

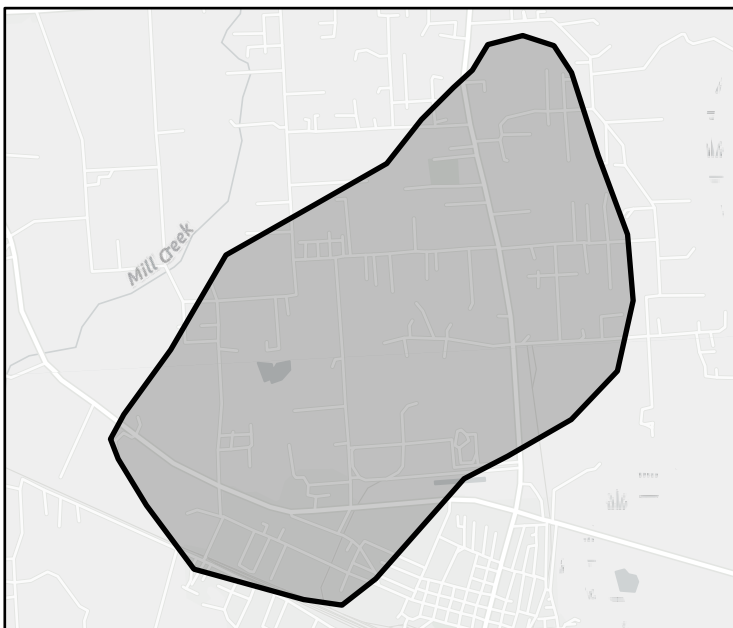
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

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Study description

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

- Goal(s)
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  - Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

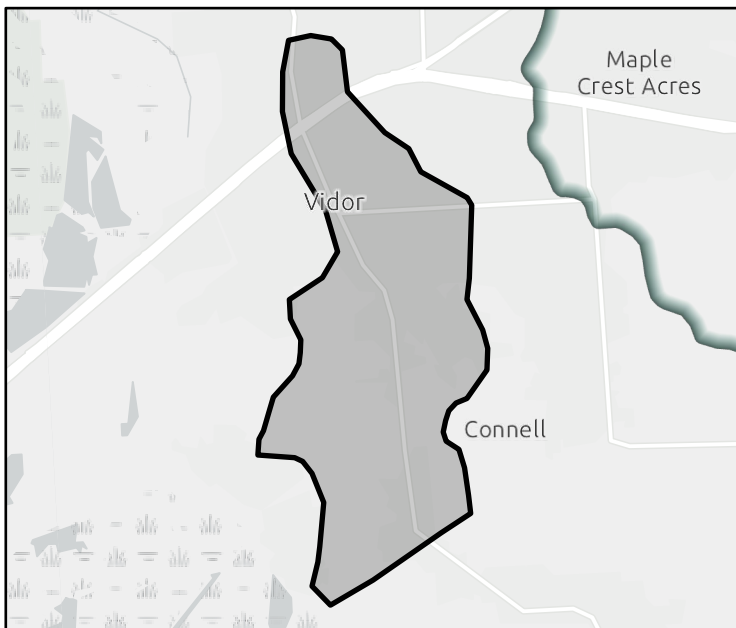
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

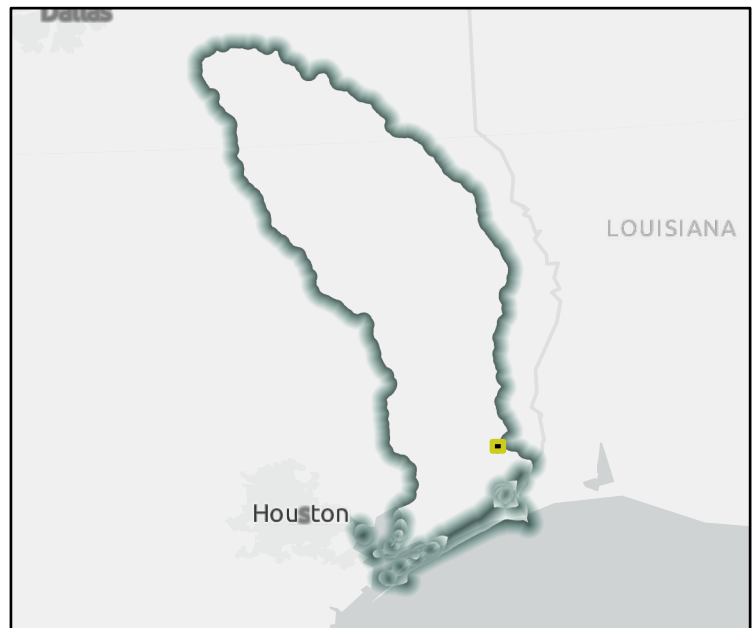
# of low water crossings  # of historical road closures

## 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.
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## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

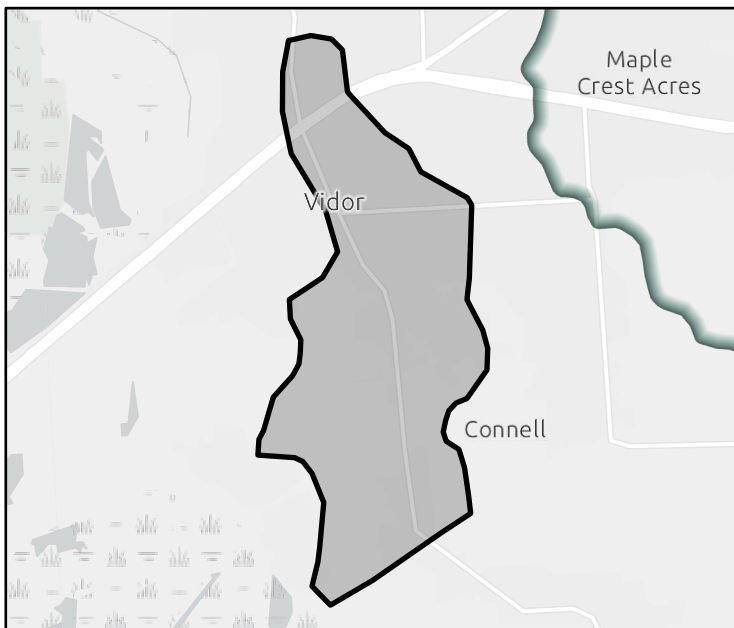
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

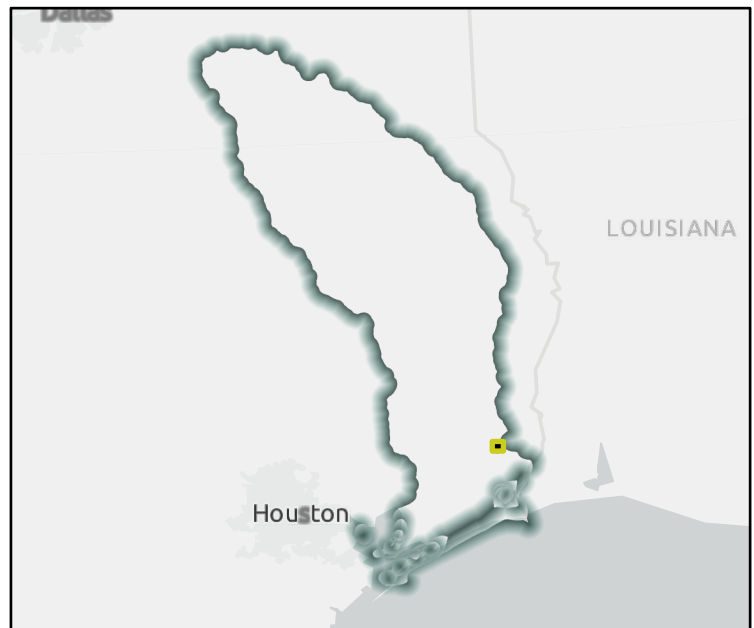
# of low water crossings  # of historical road closures

## 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?  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)
- 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 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

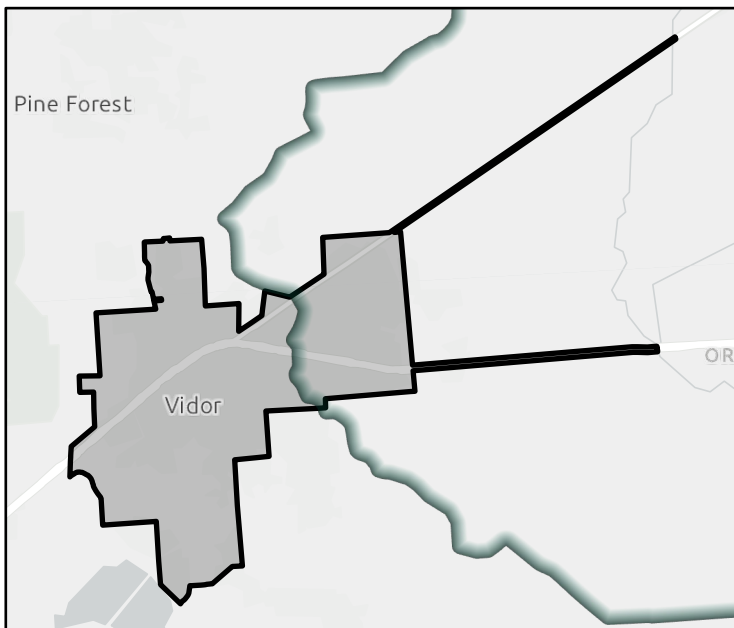
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

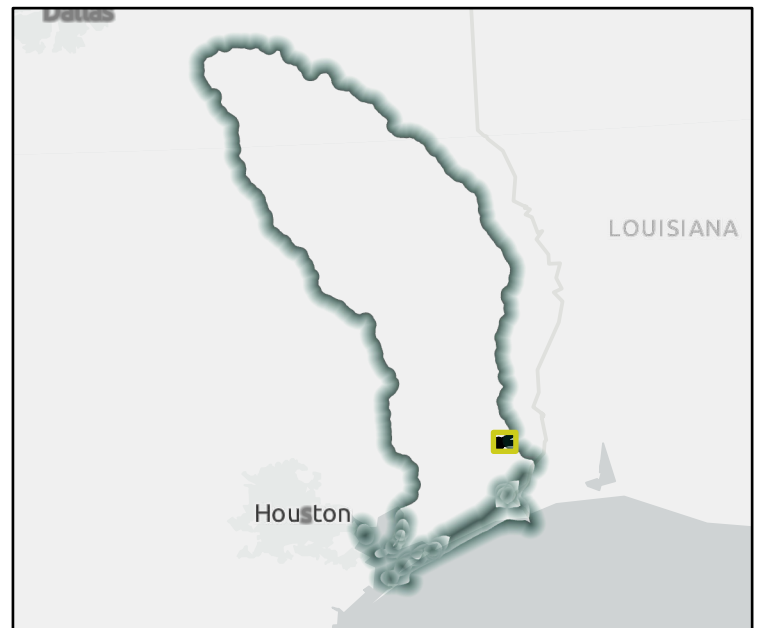
# of low water crossings  # of historical road closures

## 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?  No 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.
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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 exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

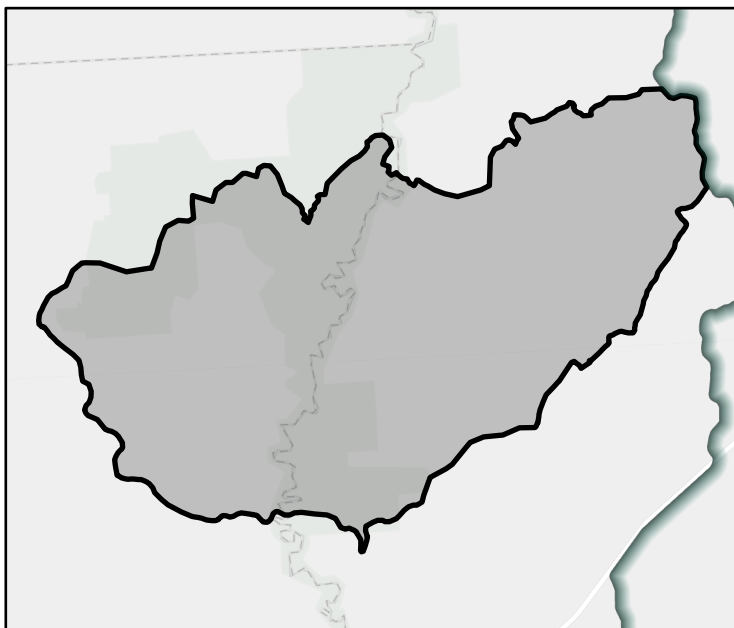
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

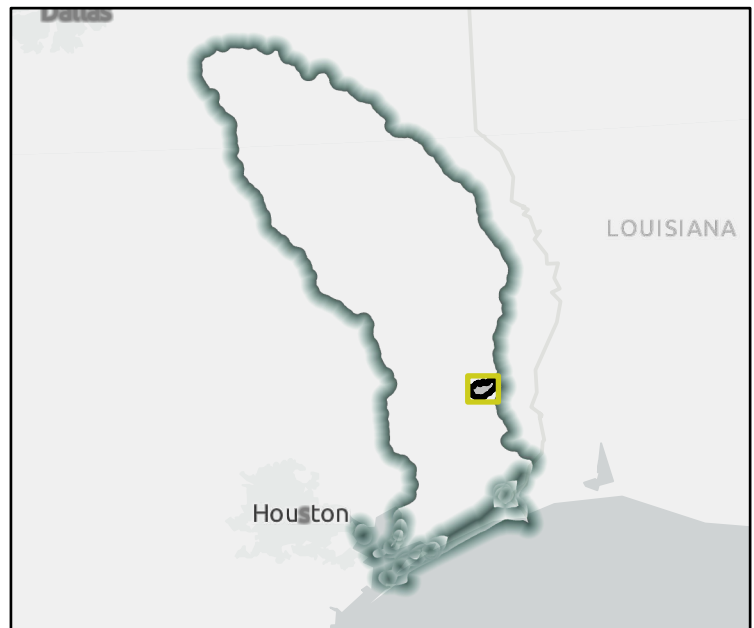
# of low water crossings  # of historical road closures

## 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 Boggy Creek Detention Pond**

ID# **051000086** Sponsor **Hardin (County)**

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

## Study Details

Study type **Project Planning** County **Hardin**

Study description **H&H Study to develop alternatives for detention on Boggy Creek.**

FME to create new H&H model? **Yes** Emergency Need? **Yes** Anticipated models in near term? **No** Drainage area (sq. mi., est.) **43**

- 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 **1,000** # of structures **648** # of critical facilities **1**

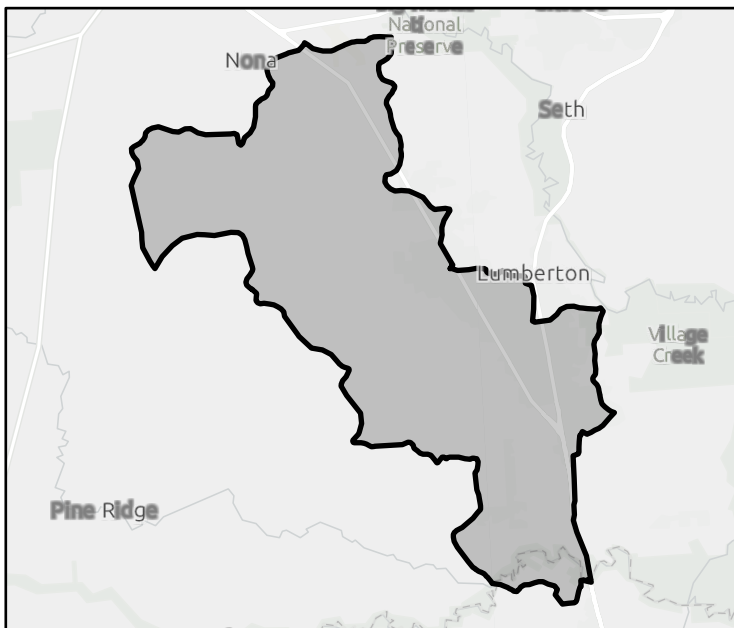
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **No** Other? **Yes**

Farm/Ranch land impacted (ac.) **43** Roadways impacted (miles) **14**

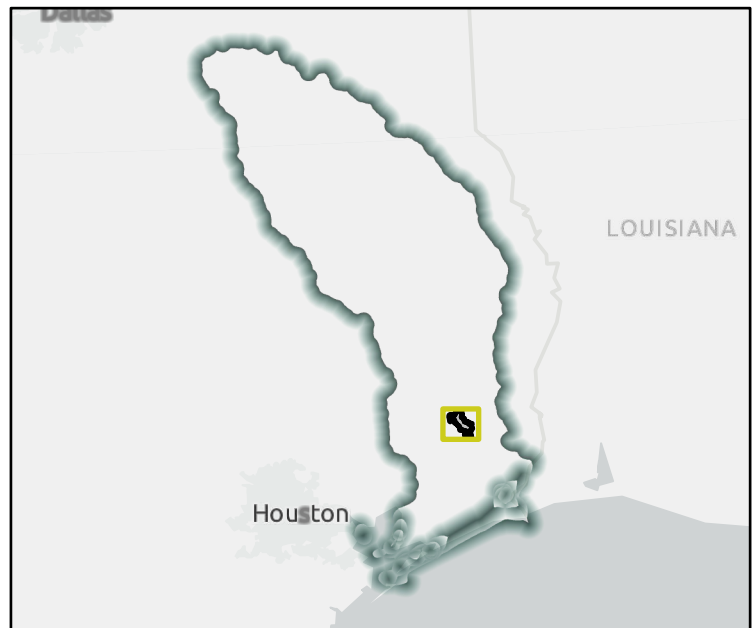
# of low water crossings **0** # of historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$150,000** 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?  No Drainage area (sq. mi., est.)

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.  
 Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

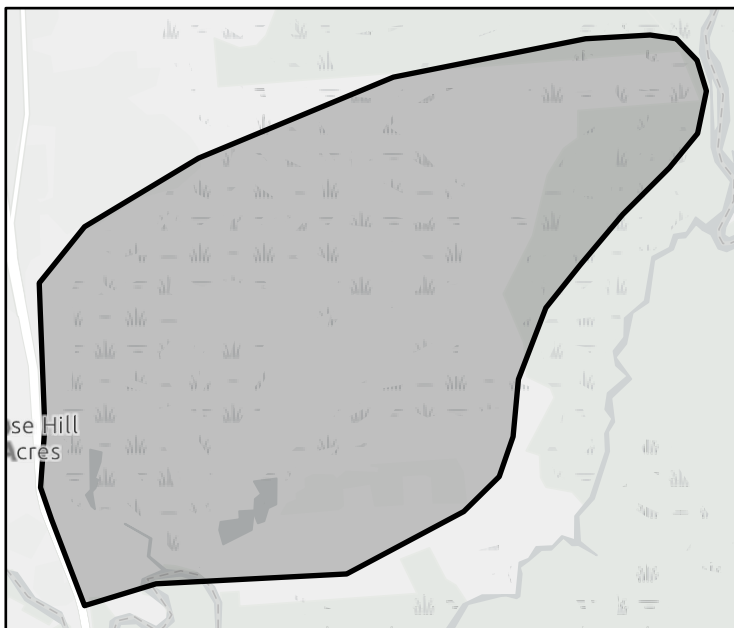
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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)
- 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  # of structures  # of critical facilities

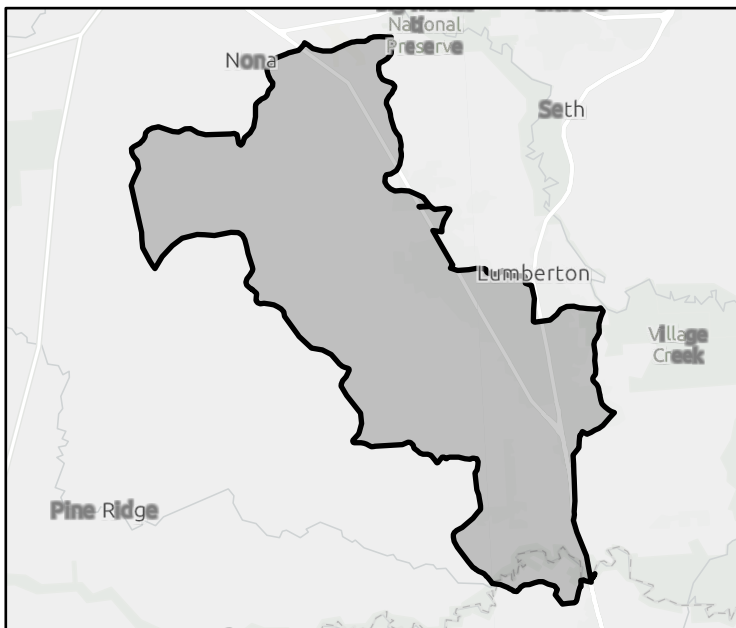
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

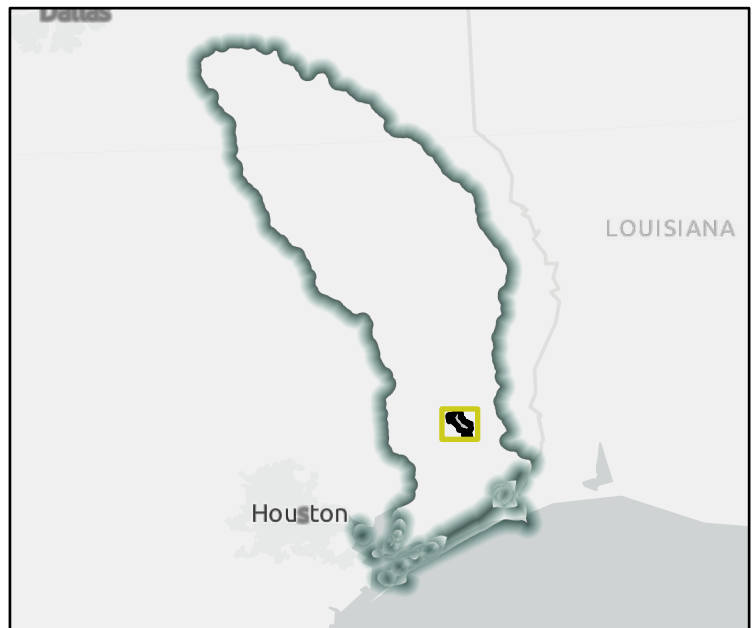
# of low water crossings  # of historical road closures

## 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 **Hardin County South Area Drainage System**

ID# **051000089** Sponsor **Hardin (County)**

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

## Study Details

Study type **Project Planning** County **Hardin**

Study description **H&H study to identify alternatives for developing a drainage system to drain / retain flood waters around the communities of Pinewood, Countrywood, Bevil Oaks, and Rose Hill**

FME to create new H&H model? **Yes** Emergency Need? **Yes** Anticipated models in near term? **Yes** Drainage area (sq. mi., est.) **886**

- 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 **7,210** # of structures **3,676** # of critical facilities **25**

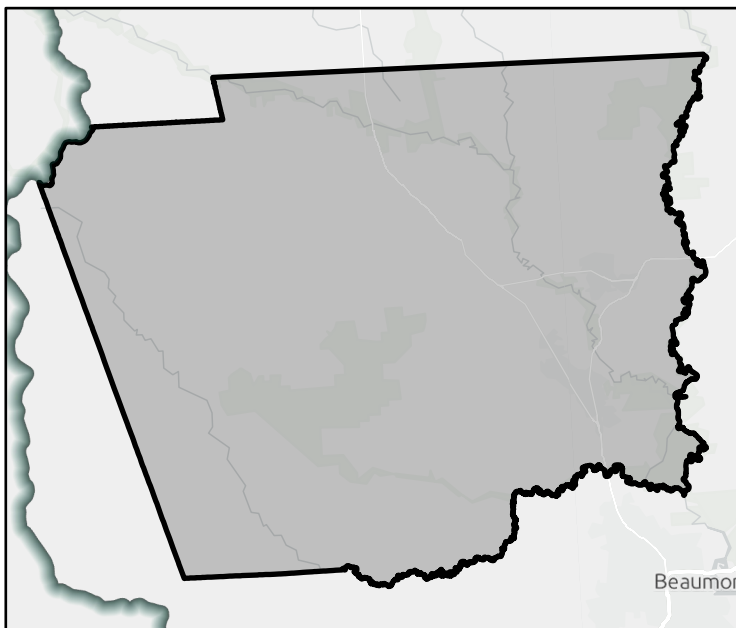
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **No** Other? **Yes**

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 **Hardin County SE Area Drainage System**

ID# **051000090** Sponsor **Hardin (County)**

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

## Study Details

Study type **Project Planning** County **Hardin**

Study description **H&H study to identify alternatives for developing a large drainage system to drain Lumberton directly into the Neches River, instead of Pine Island Bayou.**

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 **7,212** # of structures **3,678** # of critical facilities **25**

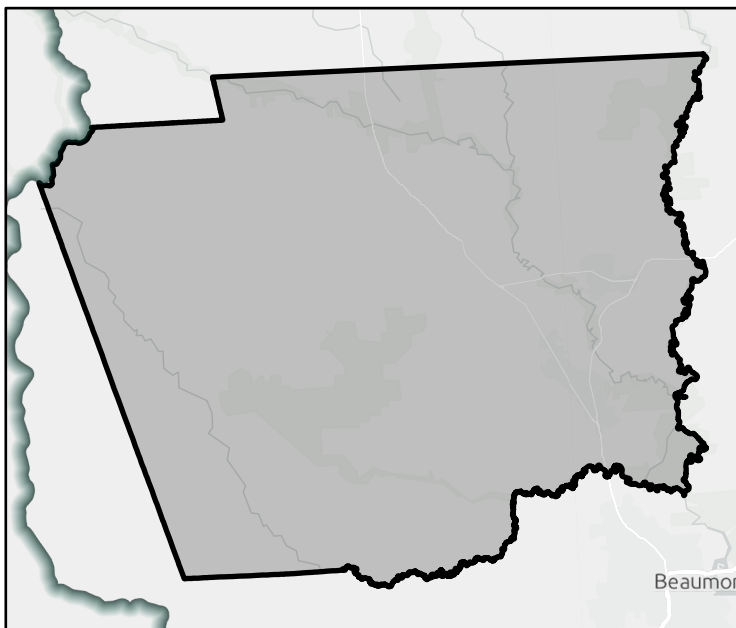
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **No** Other? **Yes**

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 **\$1,250,000** 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 Pinewood Drainage Improvements**

ID# **051000091** Sponsor **Hardin (County)**

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

## Study Details

Study type **Project Planning** County **Hardin**

Study description **H&H Study to identify alternatives for improving existing drainage within Pinewood.**

FME to create new H&H model? **Yes** Emergency Need? **Yes** Anticipated models in near term? **No** Drainage area (sq. mi., est.) **43**

- 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 **1,000** # of structures **648** # of critical facilities **1**

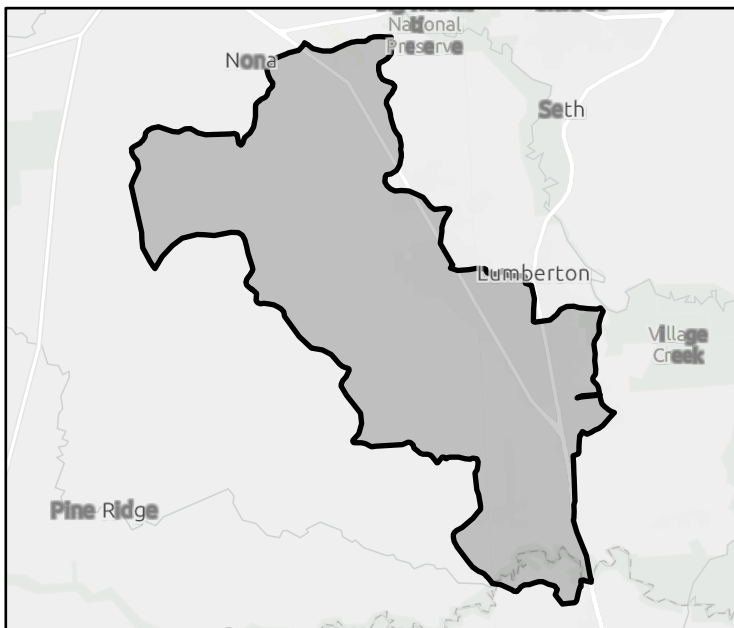
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **No** Other? **Yes**

Farm/Ranch land impacted (ac.) **43** Roadways impacted (miles) **14**

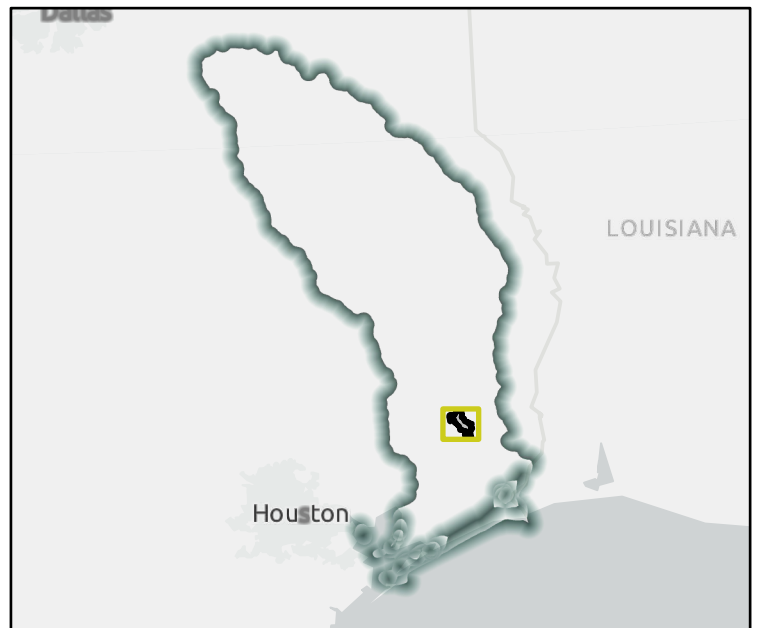
# of low water crossings **0** # of historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$350,000** 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 Coon Marsh Gully Drainage Improvements**

ID# **051000092** Sponsor **Hardin (County)**

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

## Study Details

Study type **Project Planning** County **Hardin**

Study description **H&H Study to identify alternatives for improving existing drainage within Marsh Gully**

FME to create new H&H model? **Yes** Emergency Need? **Yes** Anticipated models in near term? **Yes** Drainage area (sq. mi., est.) **2**

- 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 **792** # of structures **285** # of critical facilities **1**

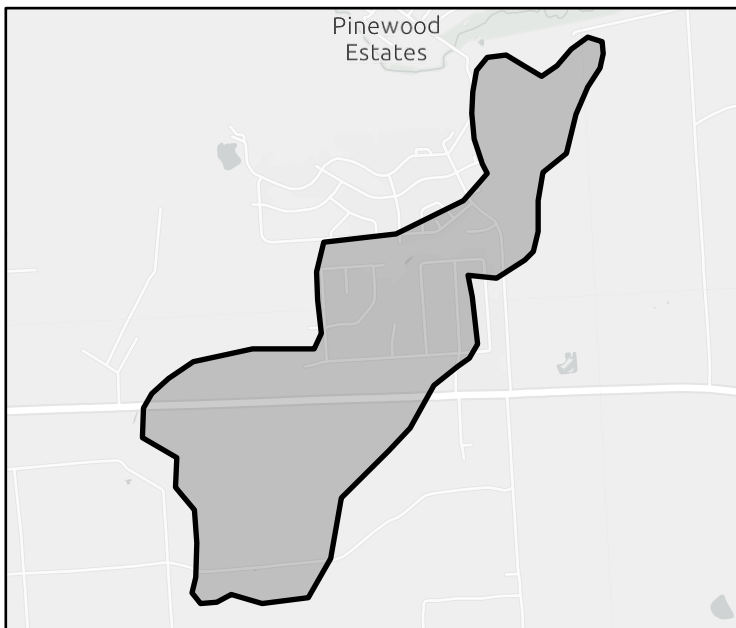
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **No** Other? **No**

Farm/Ranch land impacted (ac.) **10** Roadways impacted (miles) **6**

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

## Estimated Cost and Funding Availability

Total Cost **\$300,000** 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 Municipal Storm Drain Project**

ID# **051000093** Sponsor **Hardin (County)**

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

## Study Details

Study type **Project Planning** County **Jefferson, Hardin**

Study description **Evaluate project to quantify benefits, evaluate impacts, and begin design.**

FME to create new H&H model? **Yes** Emergency Need? **Yes** Anticipated models in near term? **Yes** Drainage area (sq. mi., est.) **128**

- Goal(s)
- Goal 1: 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 2: 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 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
  - Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
  - Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk **7,462** # of structures **3,487** # of critical facilities **8**

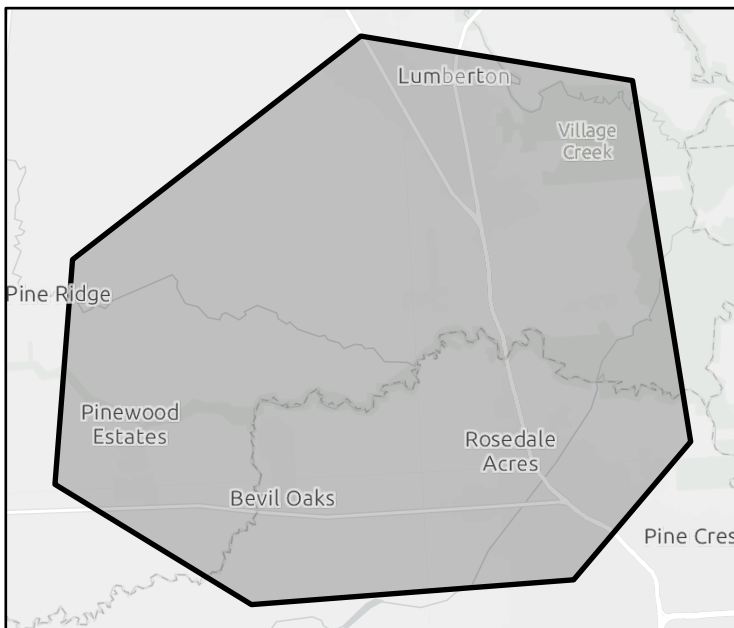
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **No** Other? **Yes**

Farm/Ranch land impacted (ac.) **395** Roadways impacted (miles) **75**

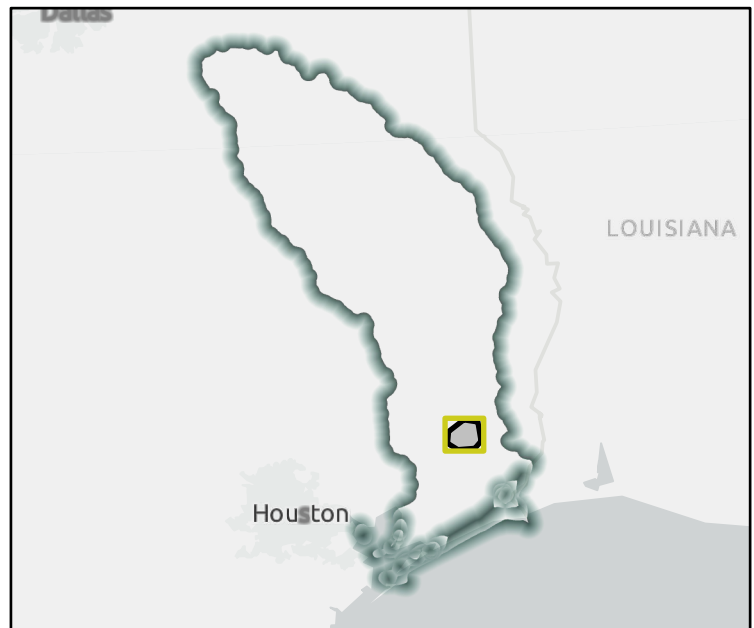
# of low water crossings **5** # of historical road closures **5**

## Estimated Cost and Funding Availability

Total Cost **\$2,000,000** 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?  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) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.  
 Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

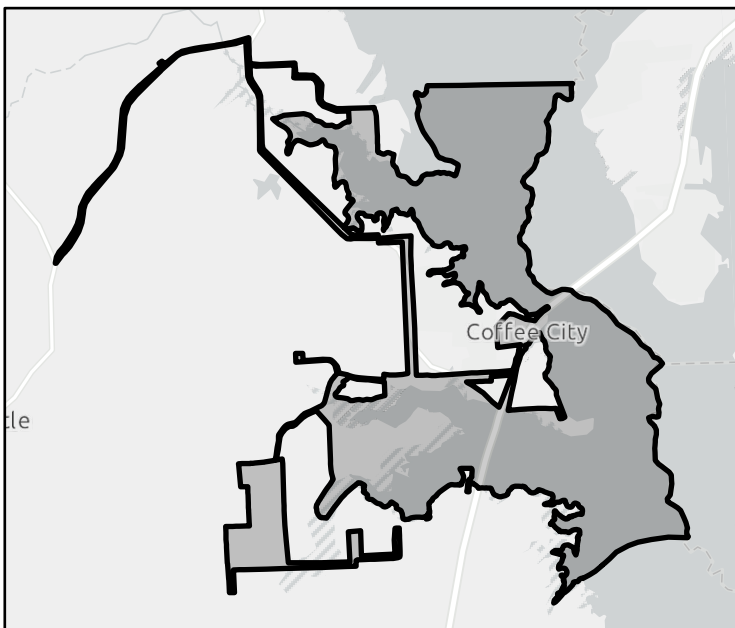
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.  
 Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

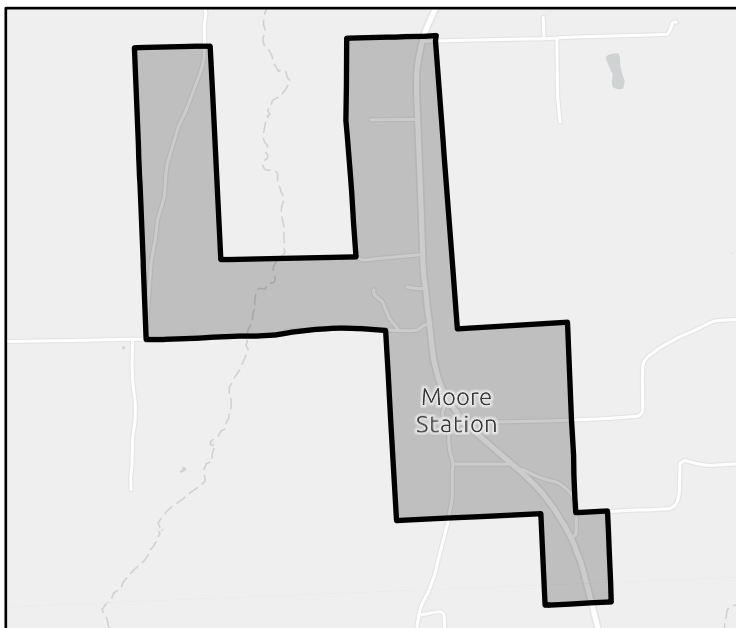
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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?  No Anticipated models in near term?  No Drainage area (sq. mi., est.)

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

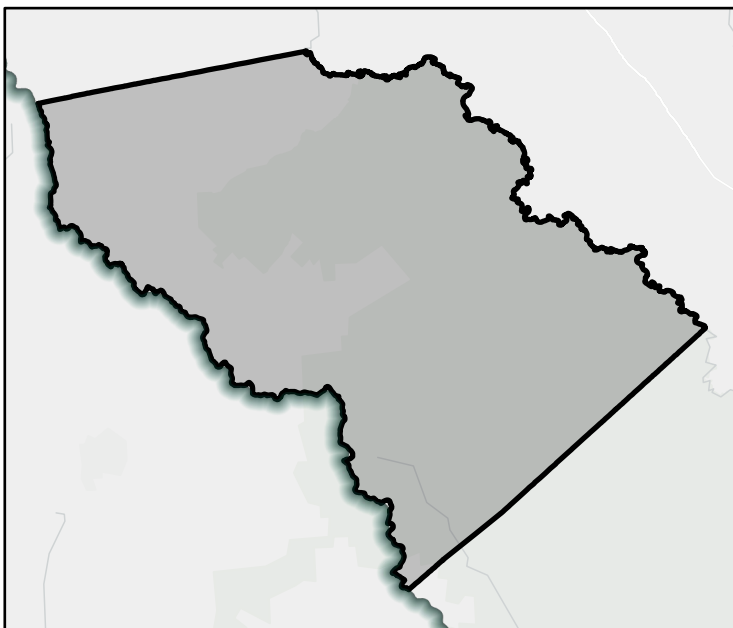
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  Yes

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

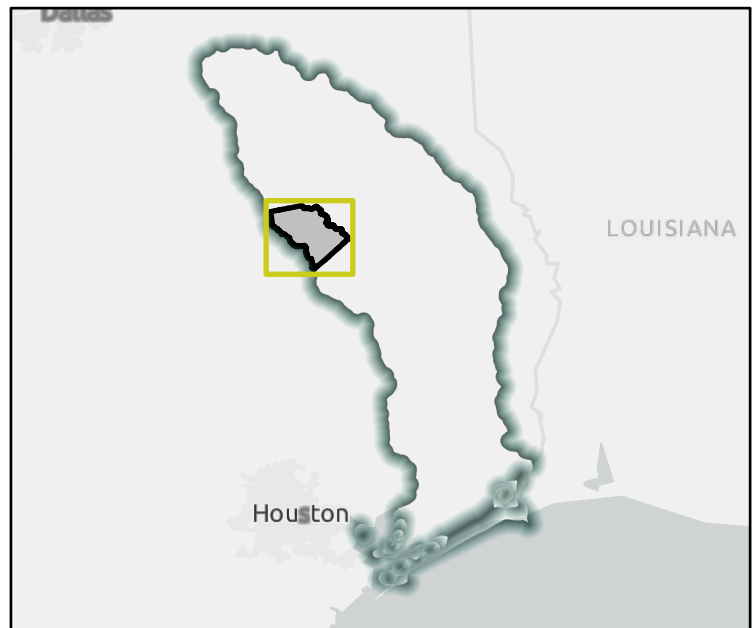
# of low water crossings  # of historical road closures

## 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

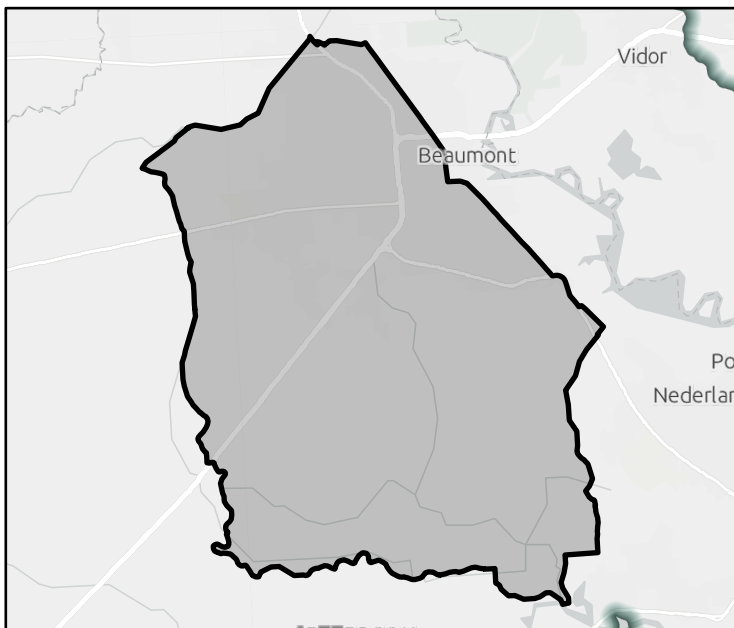
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  No Other?  Yes

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

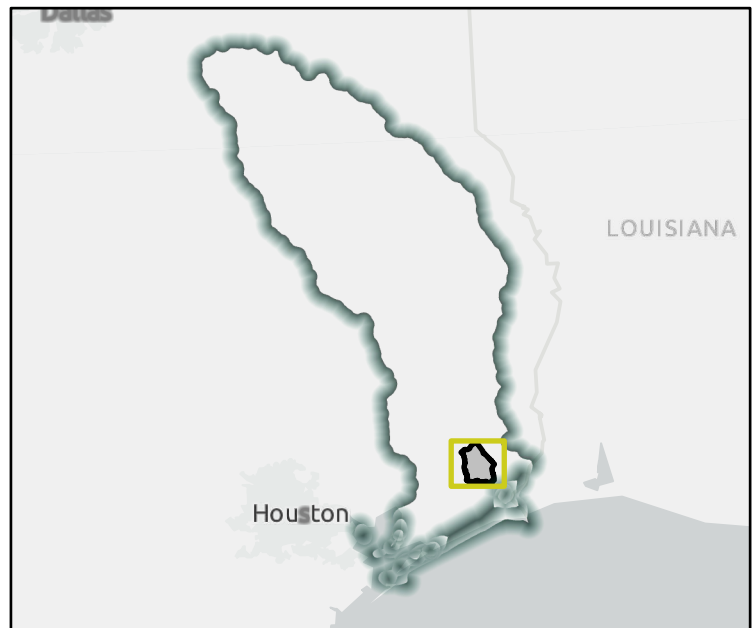
# of low water crossings  # of historical road closures

## 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?  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

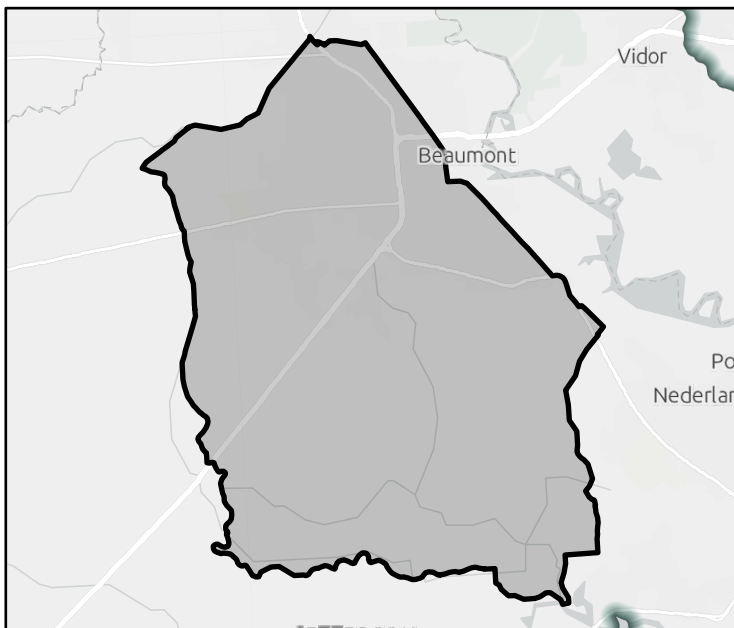
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

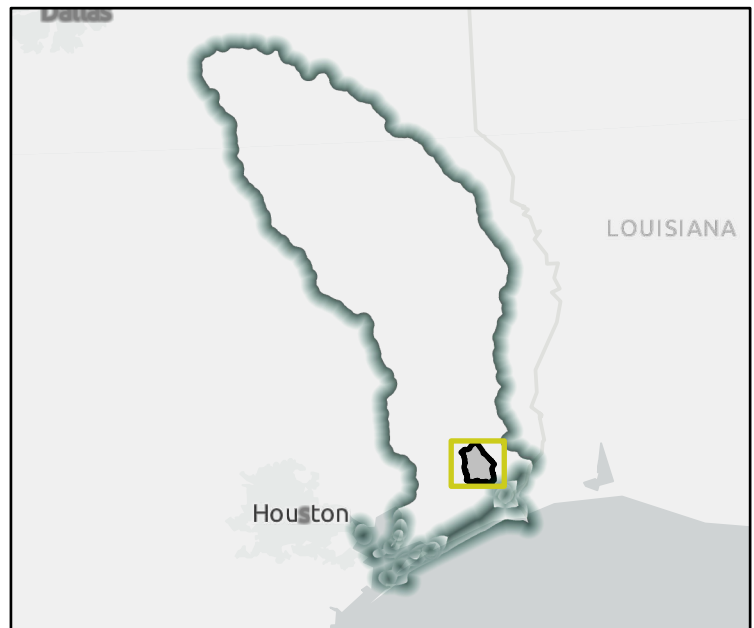
# of low water crossings  # of historical road closures

## 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?  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

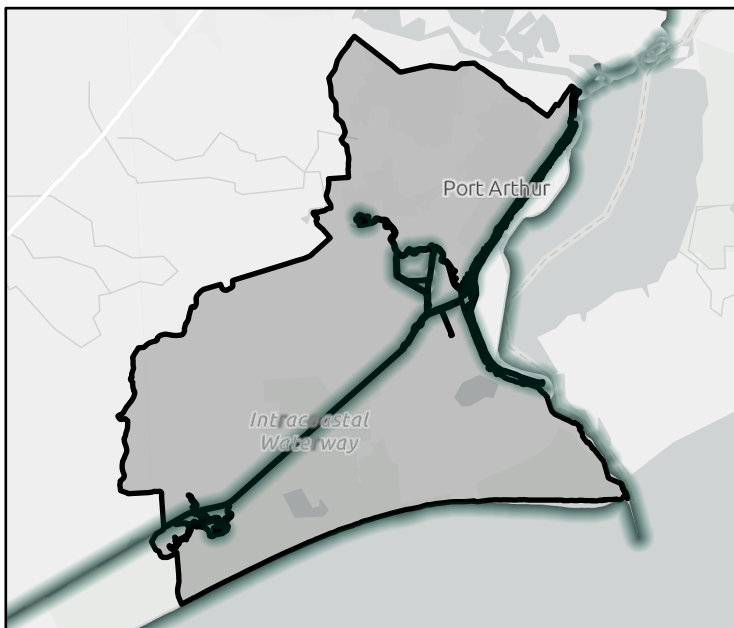
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

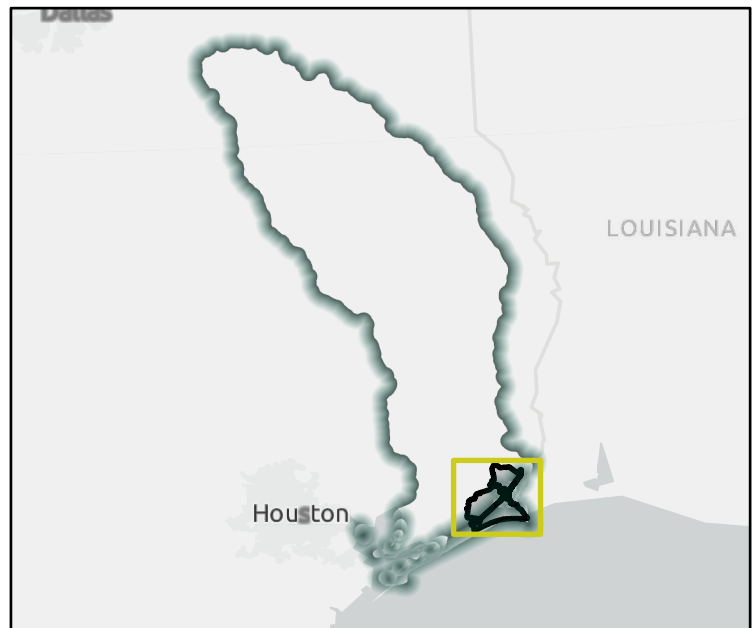
# of low water crossings  # of historical road closures

## 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?  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

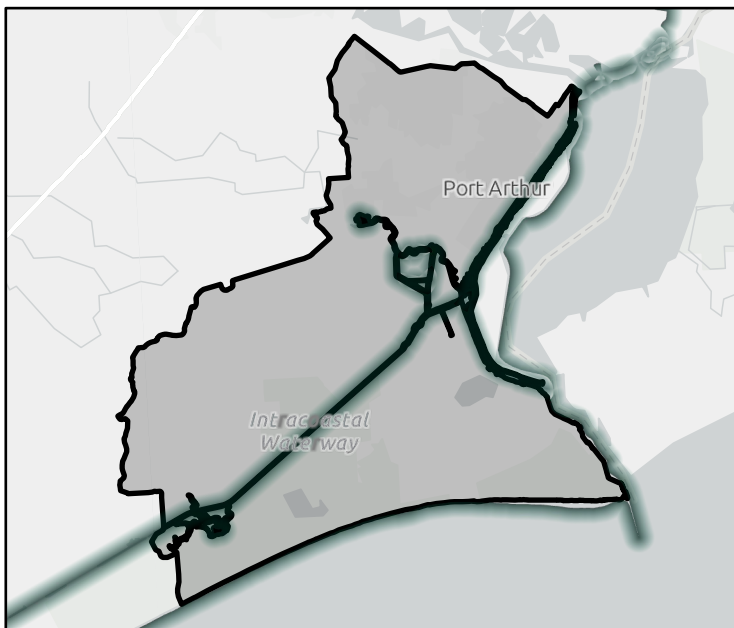
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

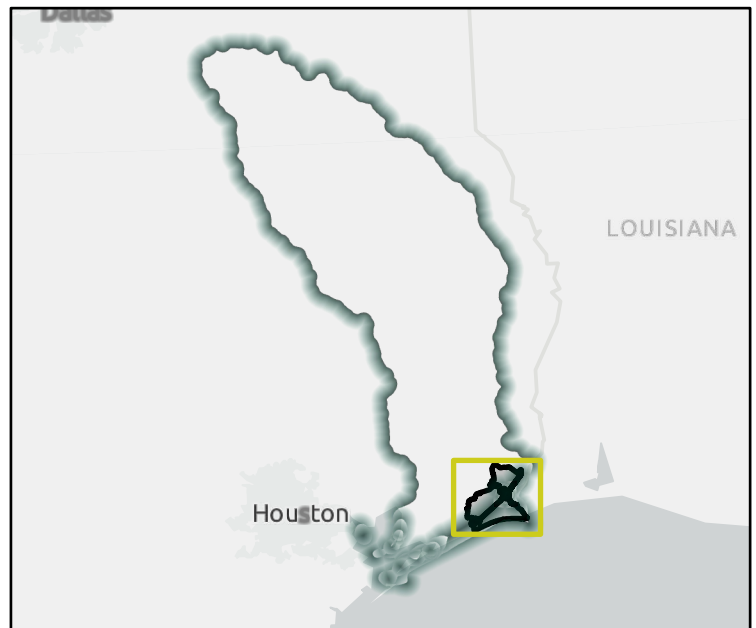
# of low water crossings  # of historical road closures

## 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 Upgrade to Lateral B4B

ID# 051000101 Sponsor Jefferson County Drainage District 7

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

## Study Details

Study type Project Planning County Jefferson

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of widening those channels to increase the runoff capacity – upgrading/enlarging road crossings to reduce out of bank flooding.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 324

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 12,745 # of structures 5,013 # of critical facilities 83

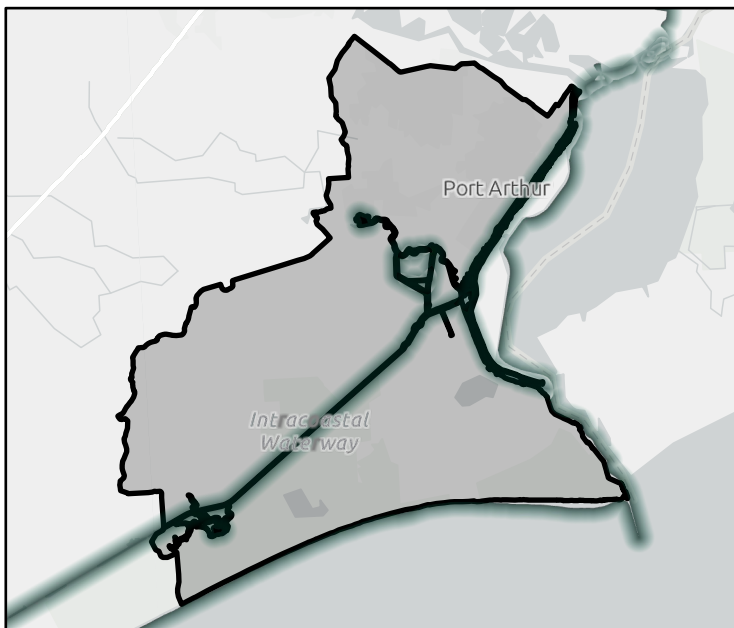
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) 9,044 Roadways impacted (miles) 160

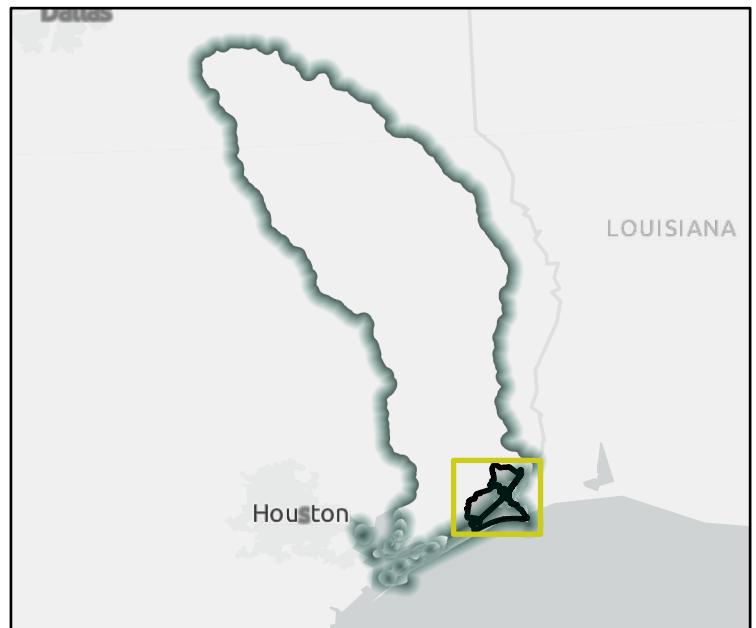
# of low water crossings 3 # of historical road closures 3

## Estimated Cost and Funding Availability

Total Cost \$50,000 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 **Beauxart Gardens Central Ditch Improvements**

ID# **051000102** Sponsor **Jefferson County Drainage District 7**

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

## Study Details

Study type **Project Planning** County **Jefferson**

Study description **Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of widening those channels to increase the runoff capacity – upgrading/enlarging road crossings to reduce out of bank flooding.**

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

- 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 **277** # of structures **226** # of critical facilities **0**

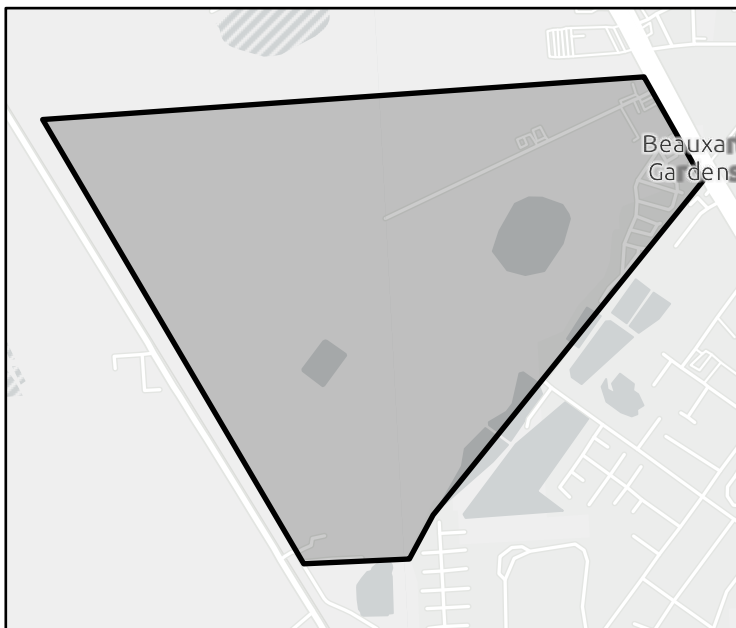
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **No** Other? **Yes**

Farm/Ranch land impacted (ac.) **10** Roadways impacted (miles) **2**

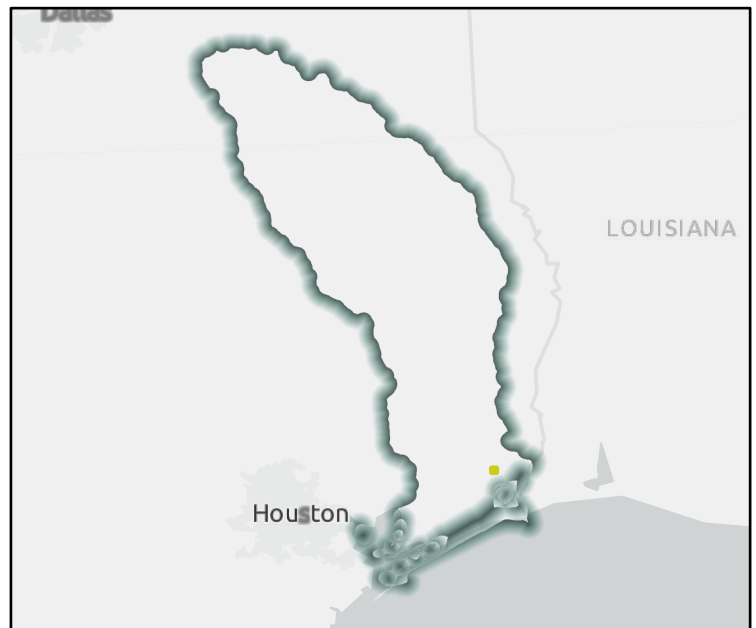
# of low water crossings **0** # of historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$50,000** 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?  No 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.
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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  # of structures  # of critical facilities

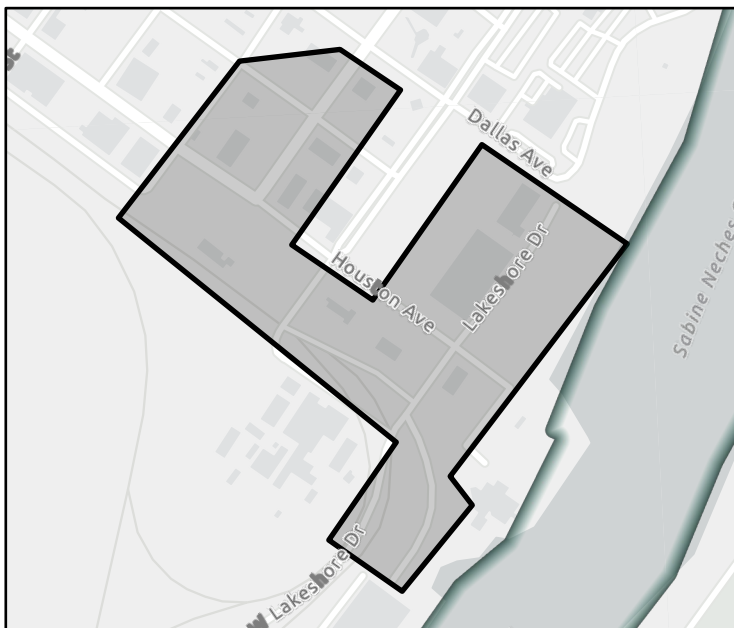
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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?  No 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.
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## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

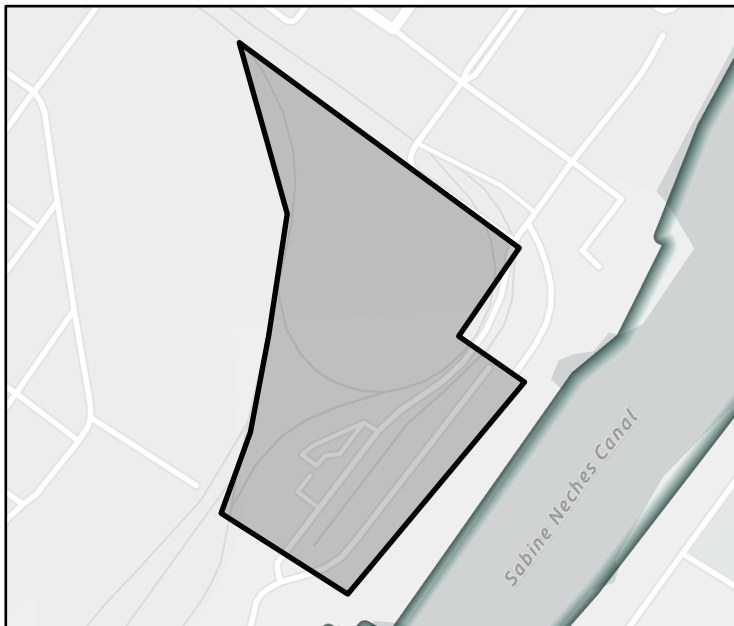
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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



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?  No 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.
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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  # of structures  # of critical facilities

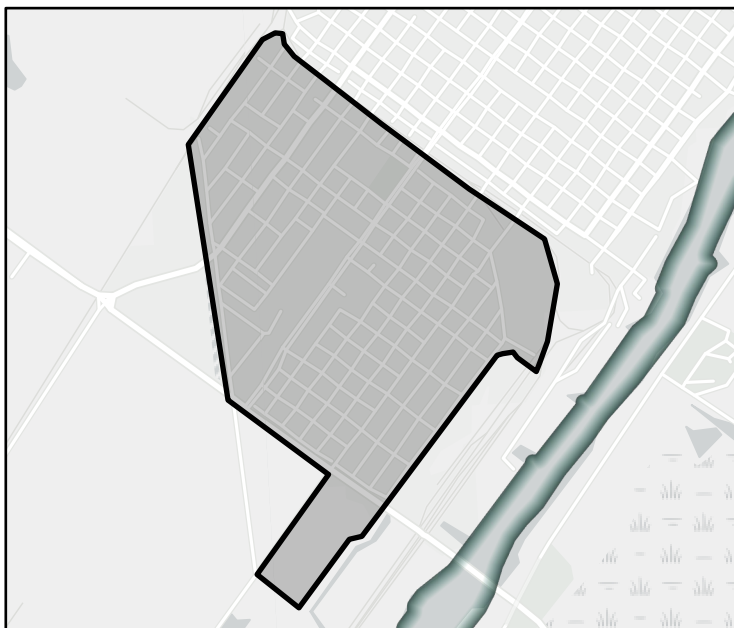
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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?  No 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.
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## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

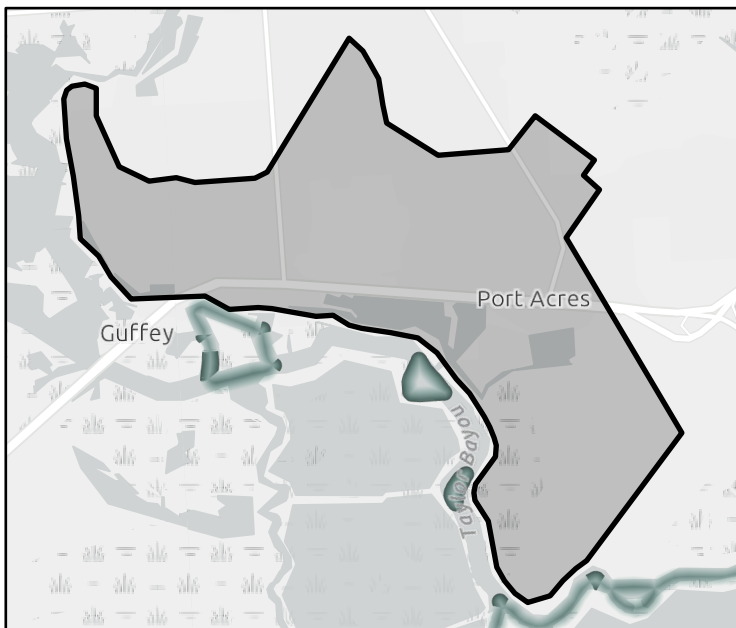
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

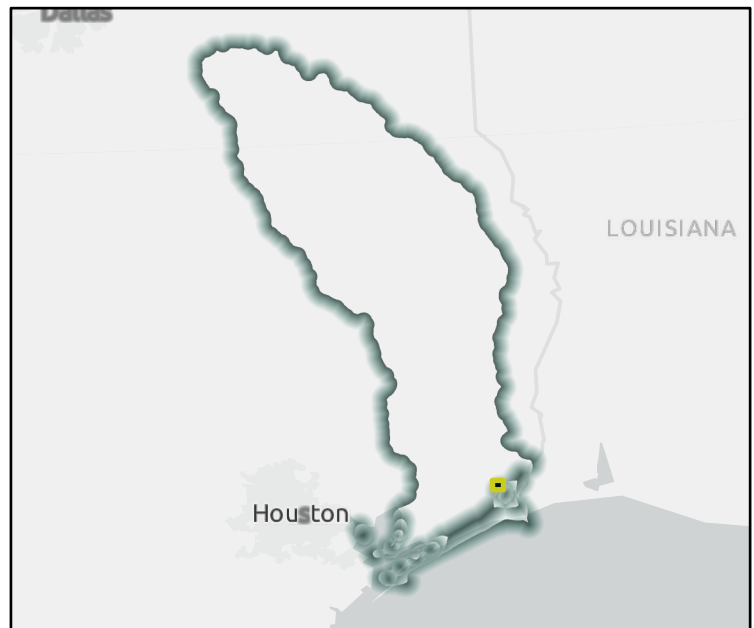
# of low water crossings  # of historical road closures

## 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

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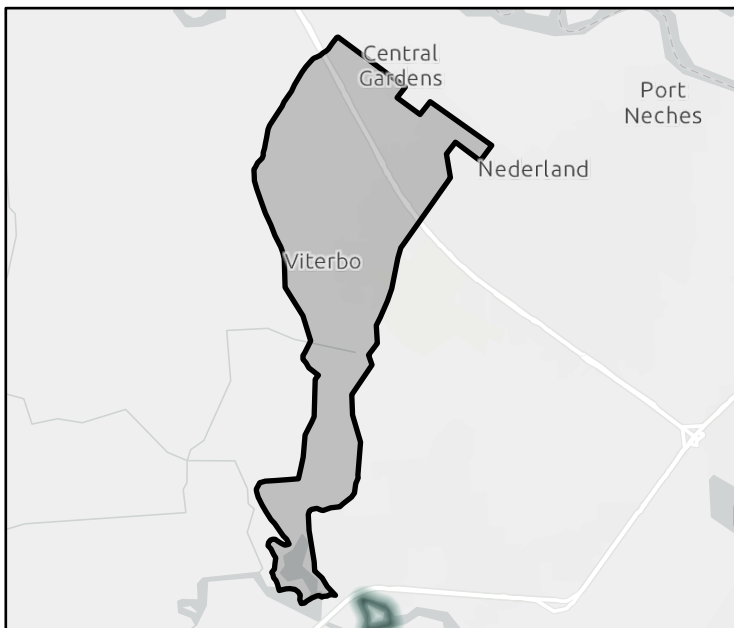
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  No Other?  Yes

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

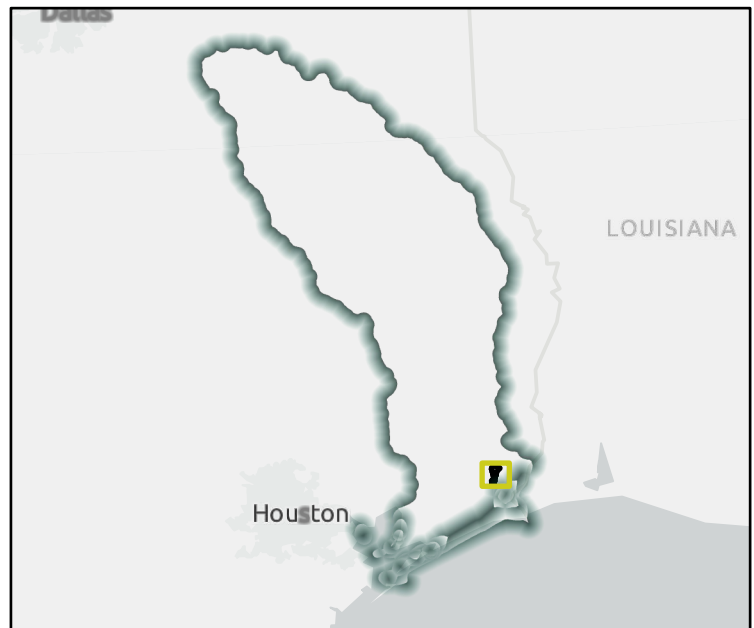
# of low water crossings  # of historical road closures

## 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

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Study description

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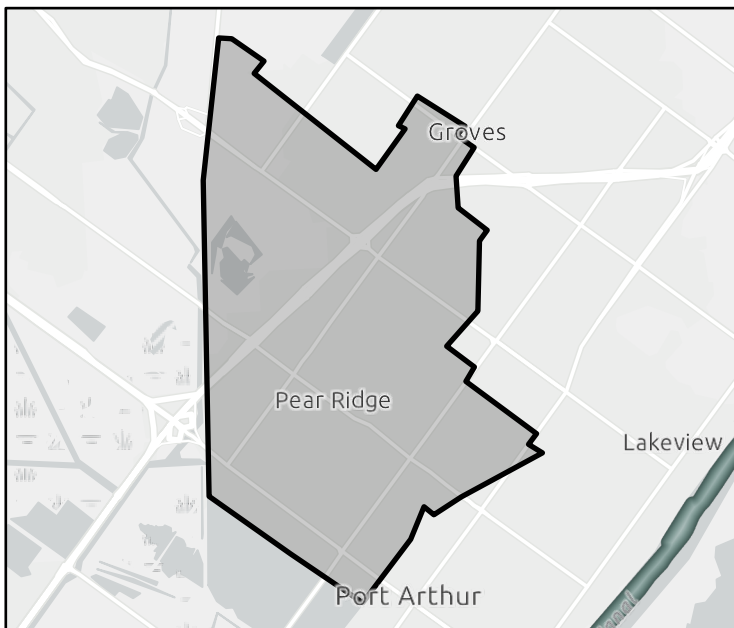
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

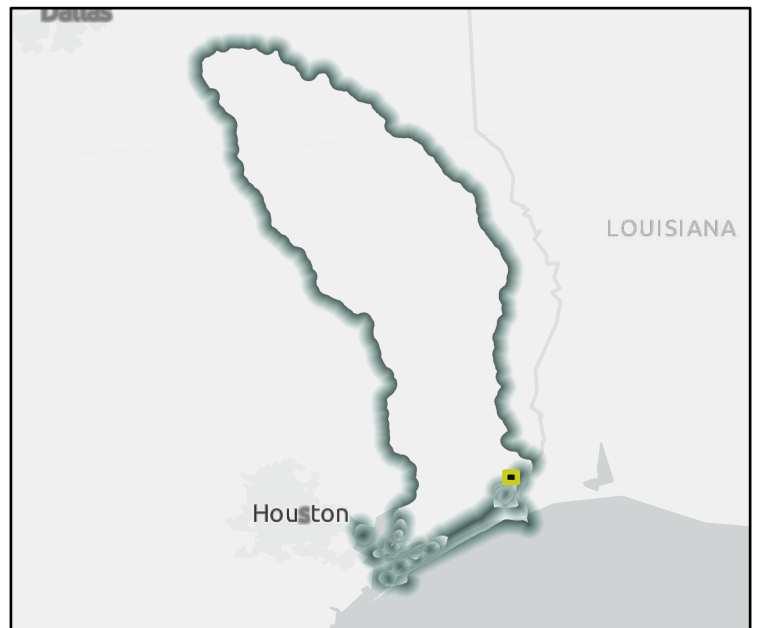
# of low water crossings  # of historical road closures

## 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?  No Drainage area (sq. mi., est.)

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- 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 exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

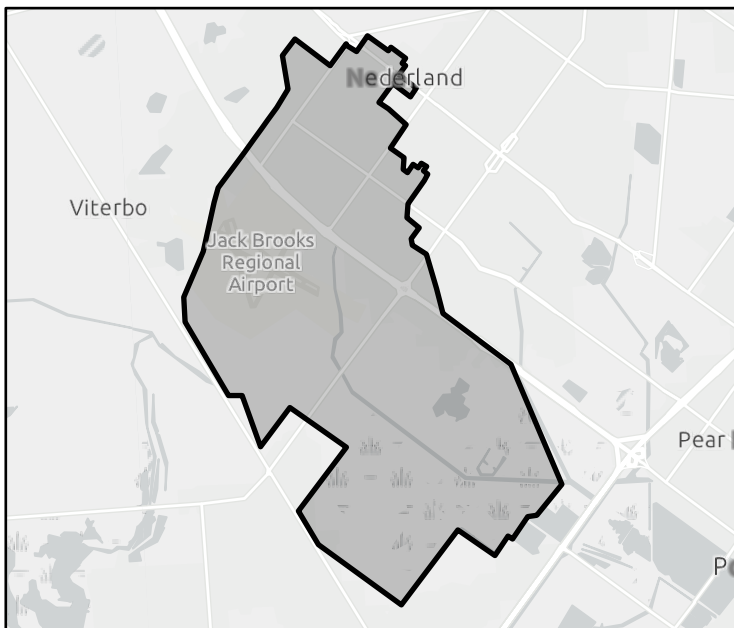
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

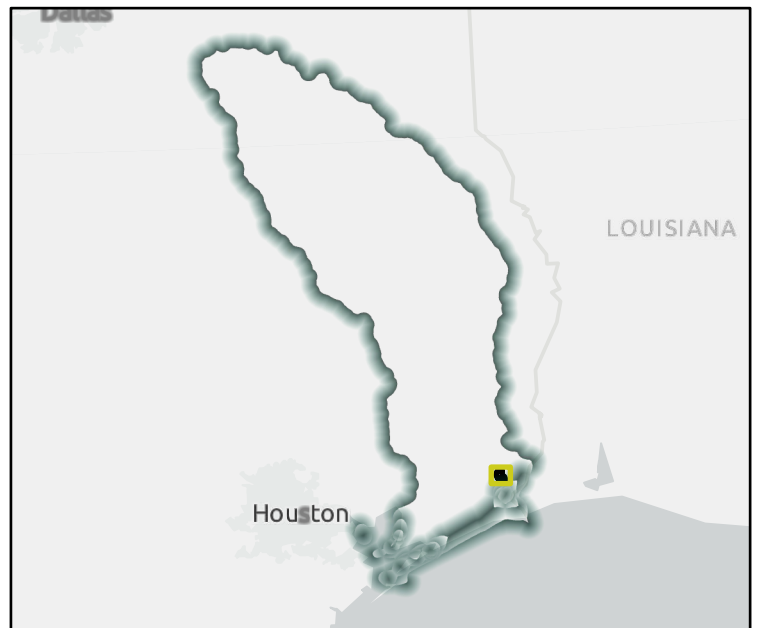
# of low water crossings  # of historical road closures

## 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?  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)
- 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

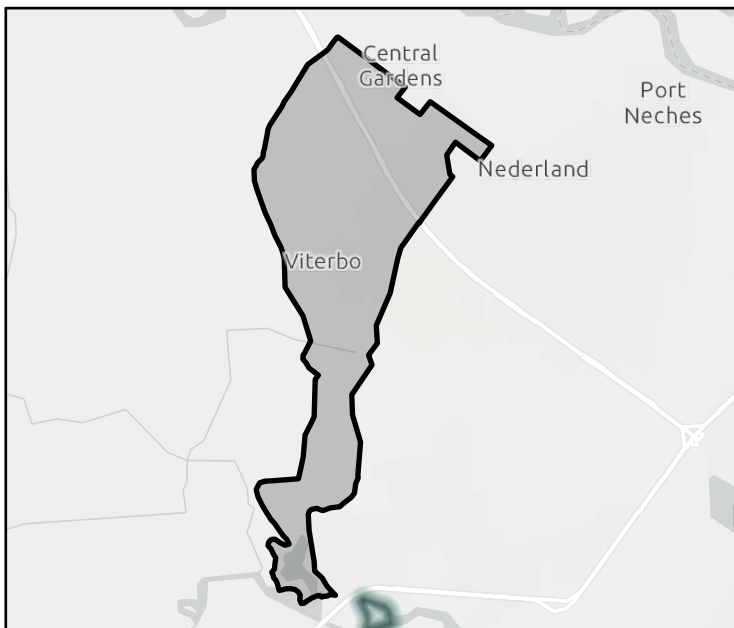
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

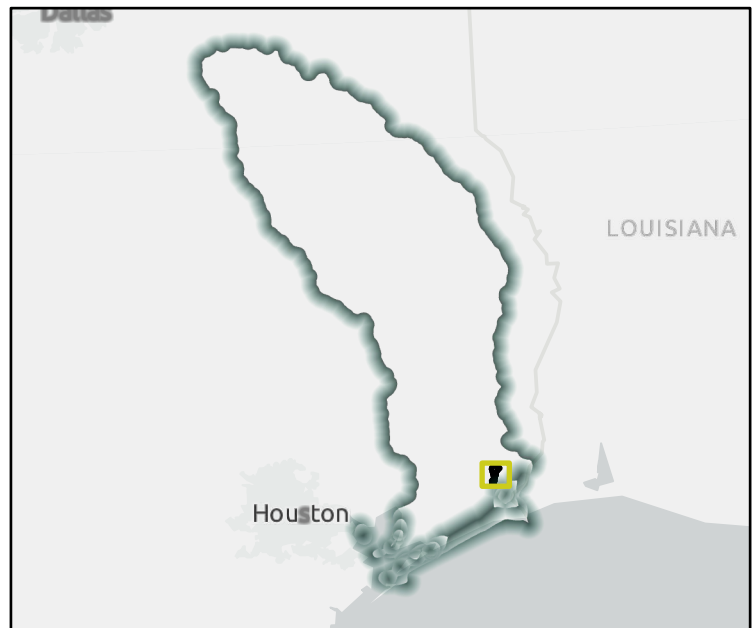
# of low water crossings  # of historical road closures

## 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

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## 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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Population at risk  # of structures  # of critical facilities

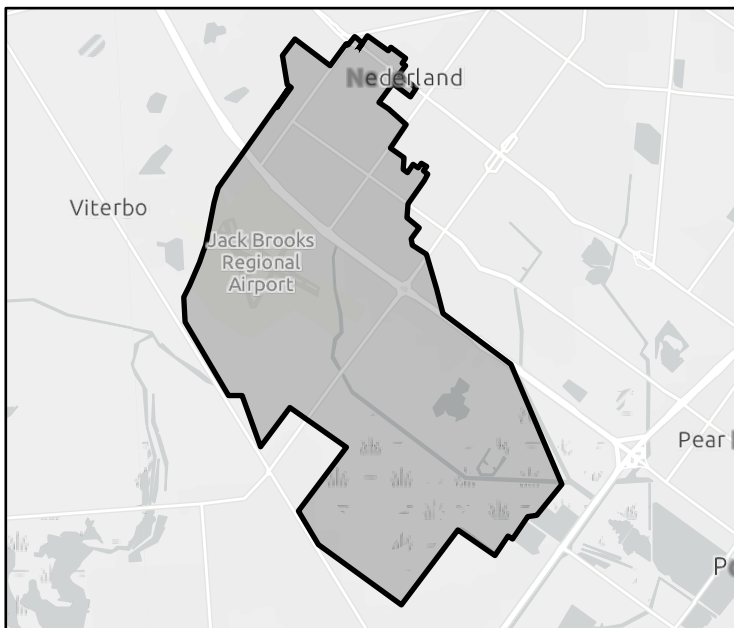
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

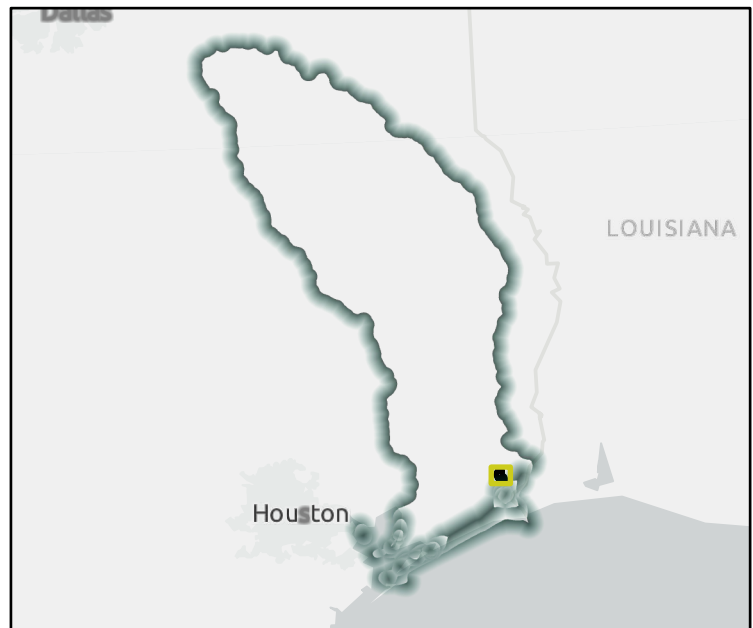
# of low water crossings  # of historical road closures

## 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

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Population at risk  # of structures  # of critical facilities

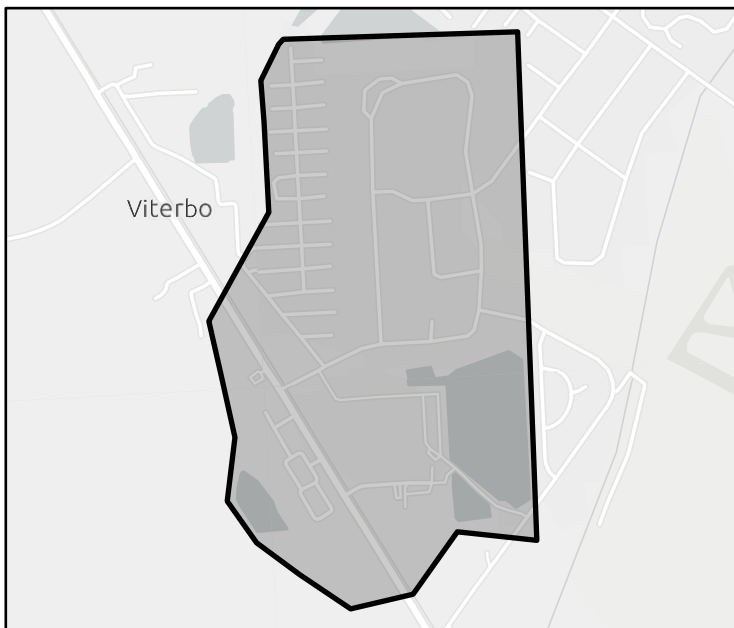
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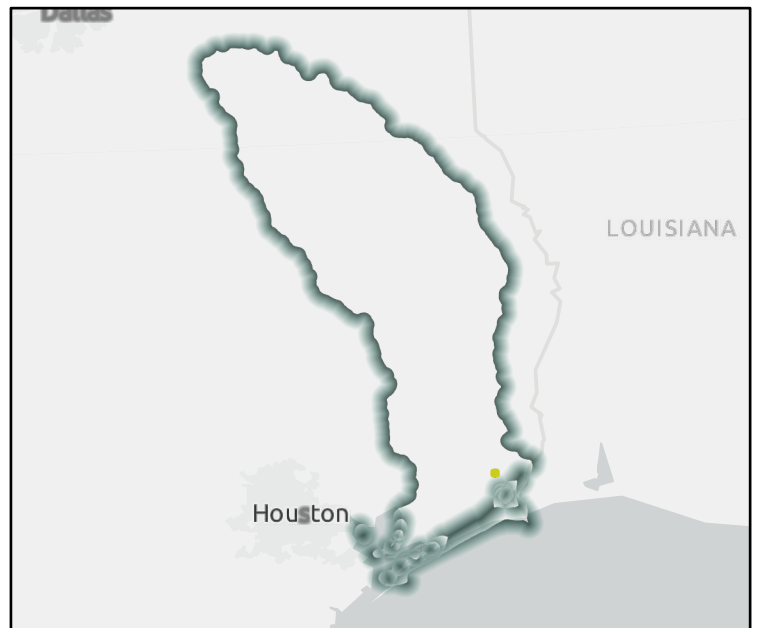
# of low water crossings  # of historical road closures

## 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

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Population at risk  # of structures  # of critical facilities

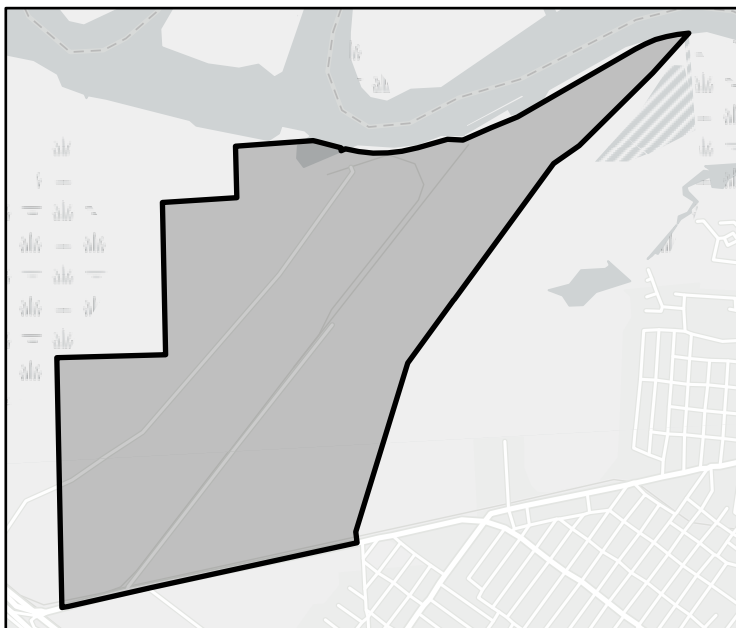
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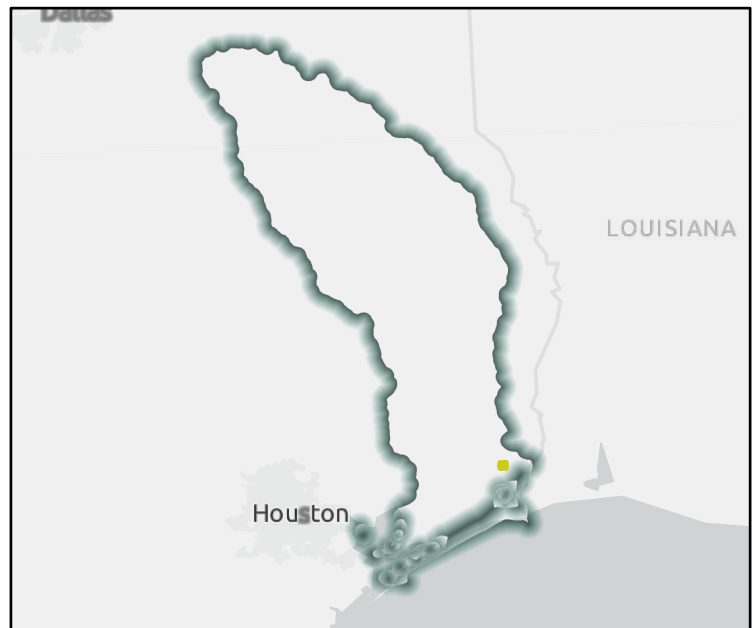
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Total Cost  Potential federal funding availability?  Yes Potential Federal Funding Sources



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

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Population at risk  # of structures  # of critical facilities

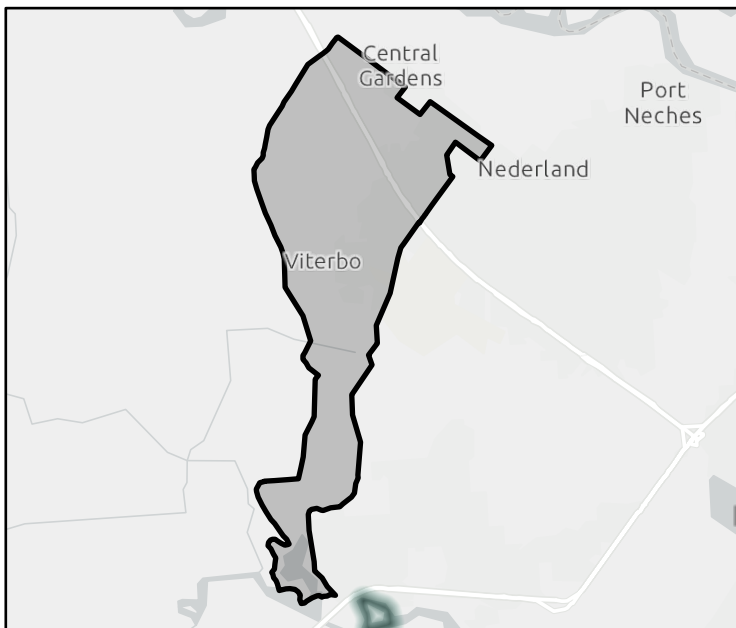
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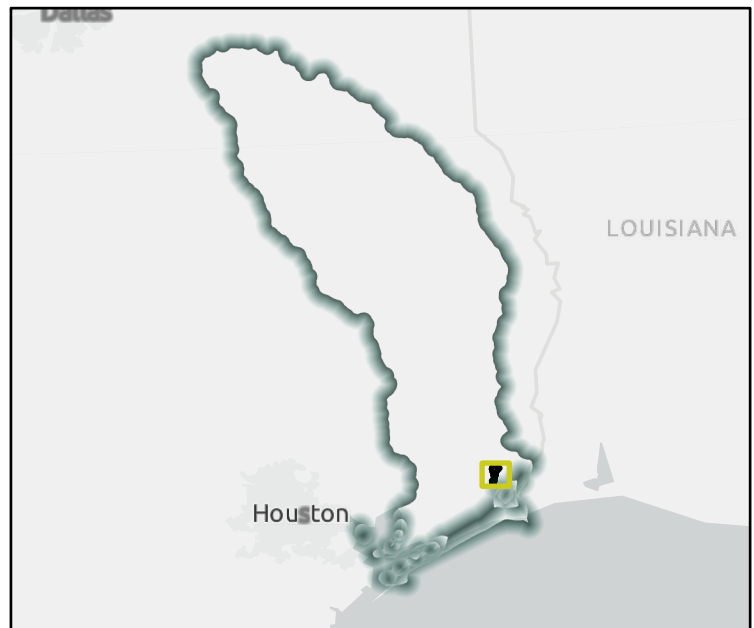
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Total Cost  Potential federal funding availability?  Yes Potential Federal Funding Sources



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

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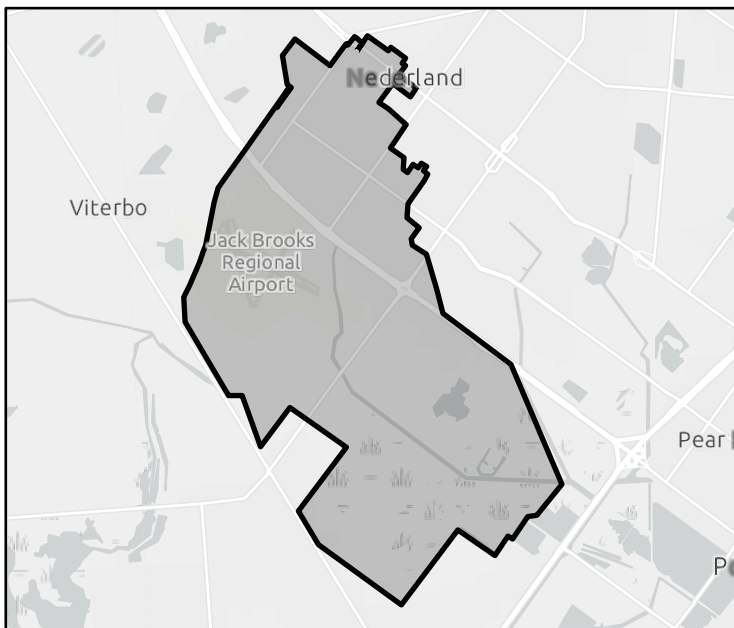
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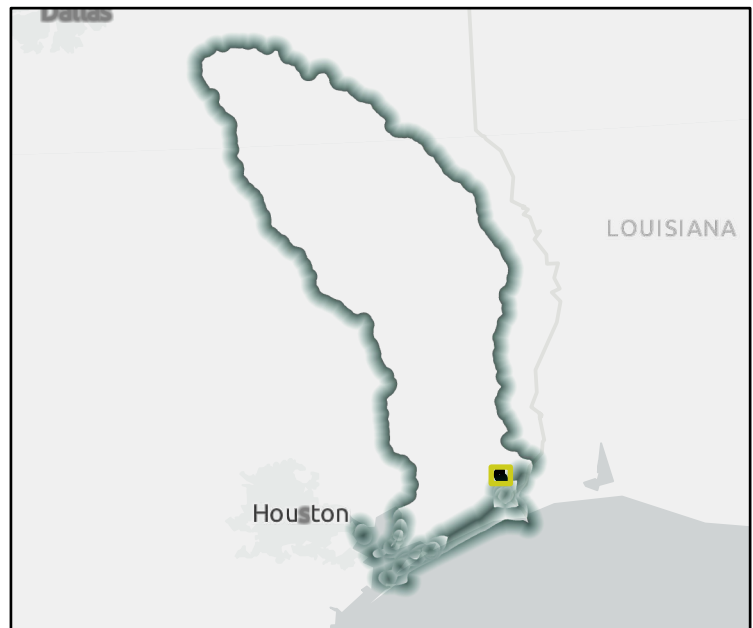
# of low water crossings  # of historical road closures

## 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

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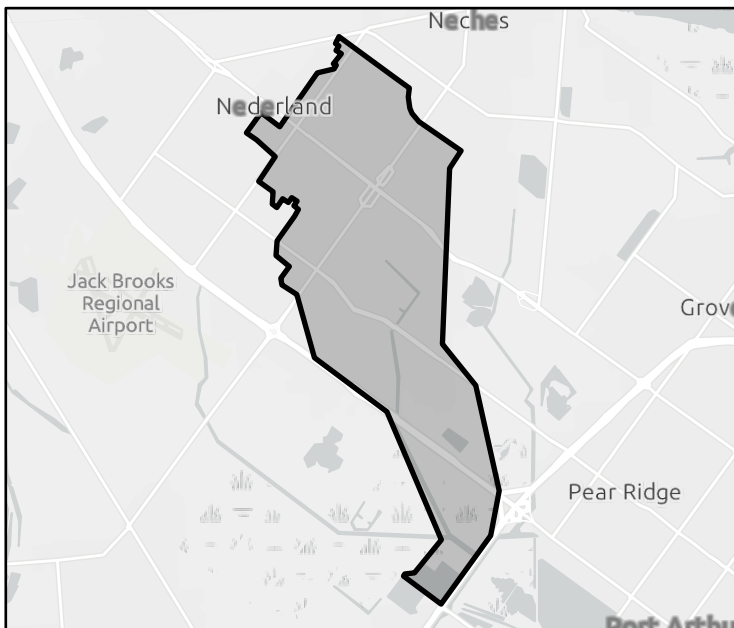
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

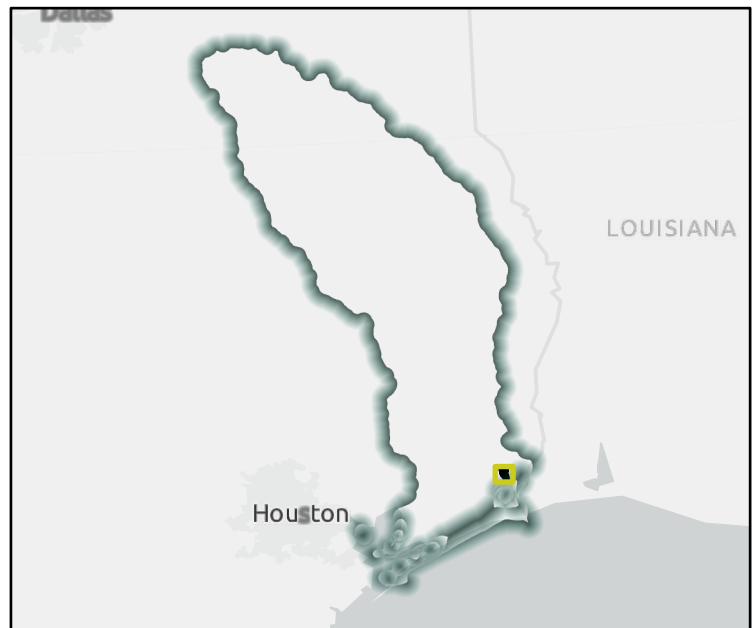
# of low water crossings  # of historical road closures

## 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

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## Study Details

Study type  County

Study description

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## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

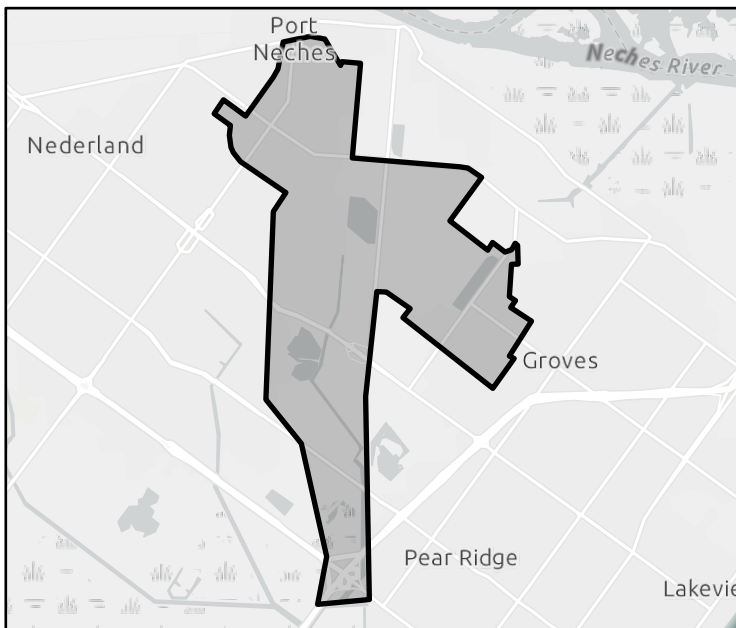
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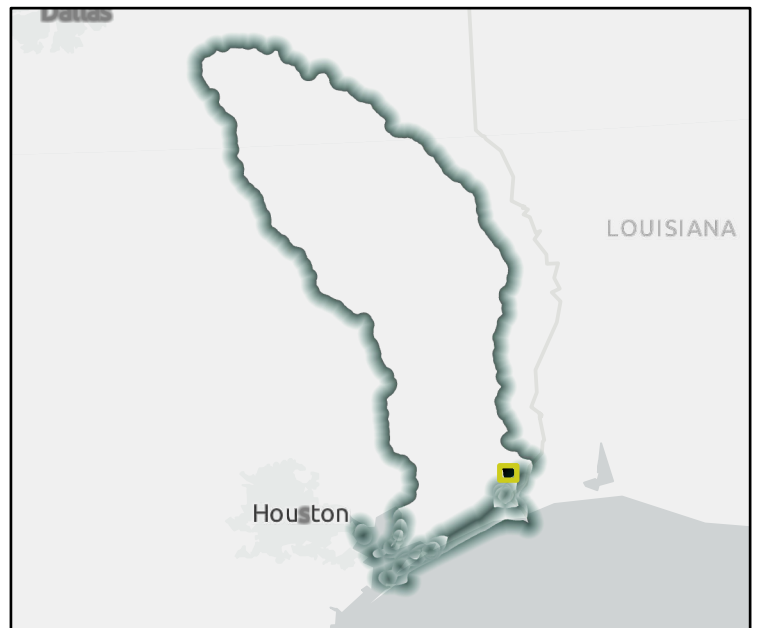
# of low water crossings  # of historical road closures

## 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 **Rodair Lateral 5 Detention Pond Excavation**

ID# **051000119** Sponsor **Jefferson County Drainage District 7**

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

## Study Details

Study type **Project Planning** County **Jefferson**

Study description **H&H study to identify additional detention required to expand existing level of service**

FME to create new H&H model? **Yes** Emergency Need? **Yes** Anticipated models in near term? **No** Drainage area (sq. mi., est.) **2**

- 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 exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## 100-Year Flood Risk Summary

Population at risk **132** # of structures **29** # of critical facilities **0**

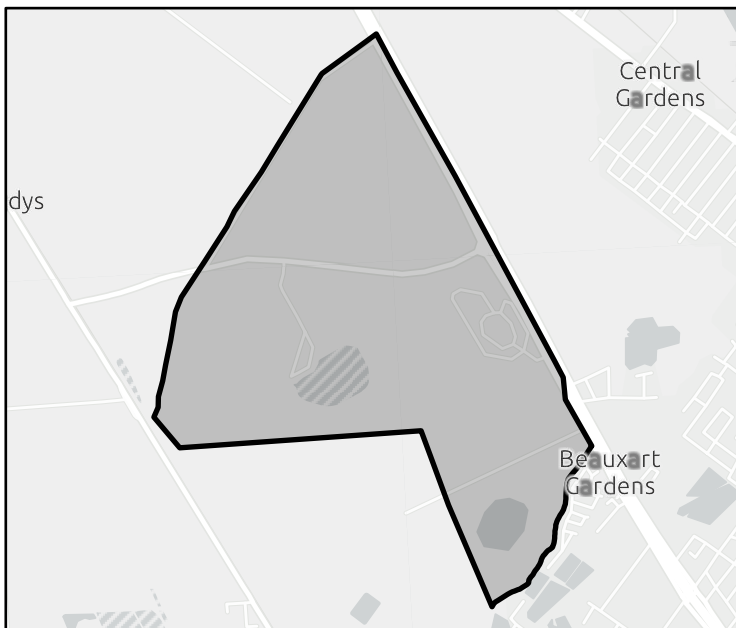
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **No** Other? **Yes**

Farm/Ranch land impacted (ac.) **6** Roadways impacted (miles) **1**

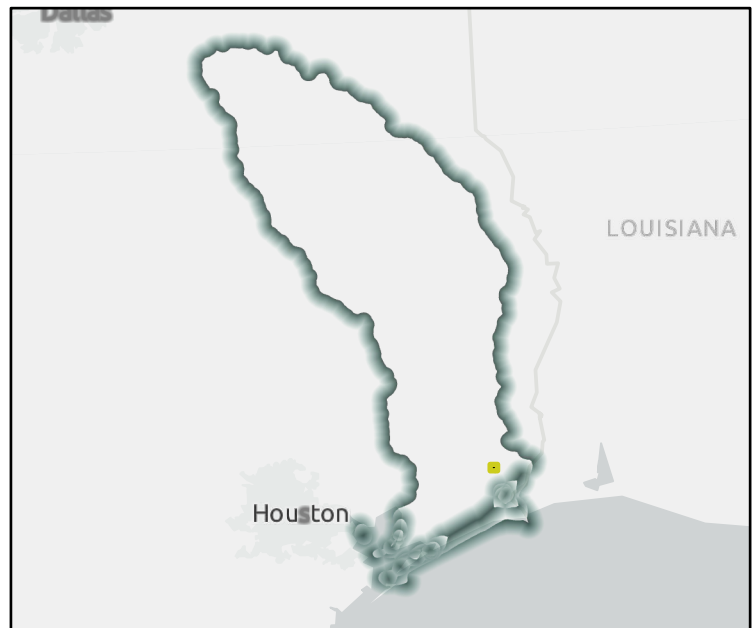
# of low water crossings **0** # of historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$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 **Halbouty Detention Pond Excavation**

ID# **051000120** Sponsor **Jefferson County Drainage District 7**

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

## Study Details

Study type **Project Planning** County **Jefferson**

Study description **H&H study to identify additional detention required to expand existing level of service**

FME to create new H&H model? **Yes** Emergency Need? **Yes** Anticipated models in near term? **No** Drainage area (sq. mi., est.) **12**

- 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 **1,008** # of structures **251** # of critical facilities **33**

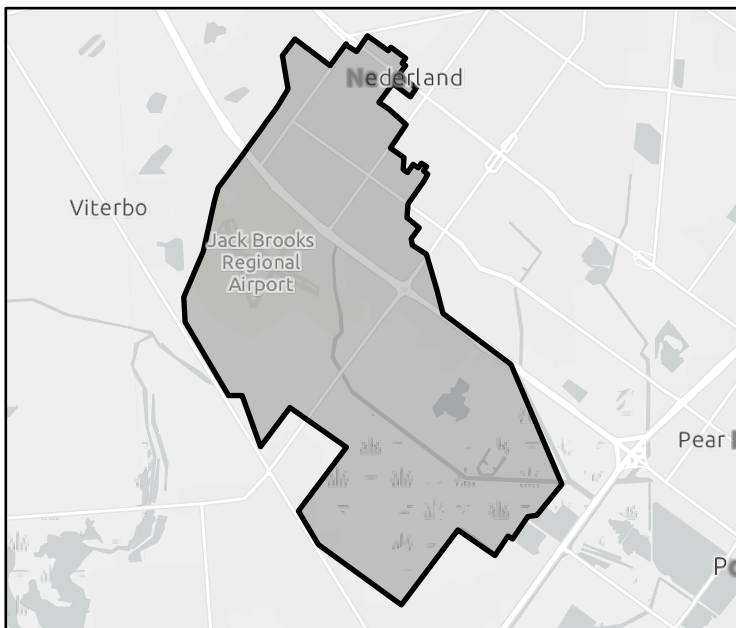
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **No** Other? **Yes**

Farm/Ranch land impacted (ac.) **164** Roadways impacted (miles) **7**

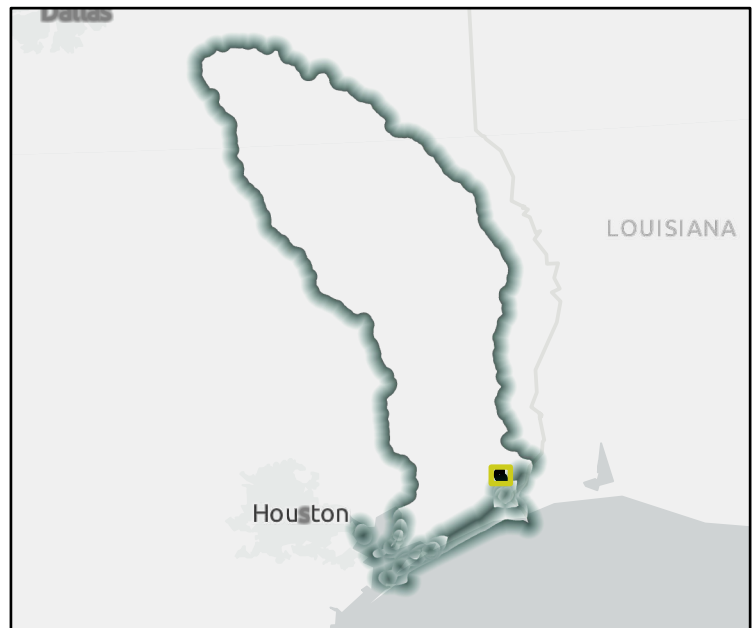
# of low water crossings **0** # of historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$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

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?  No 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 exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

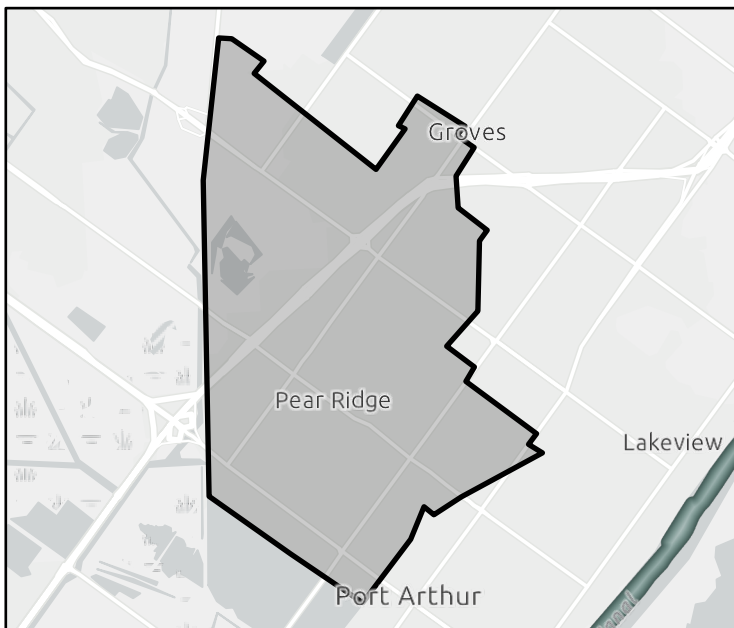
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

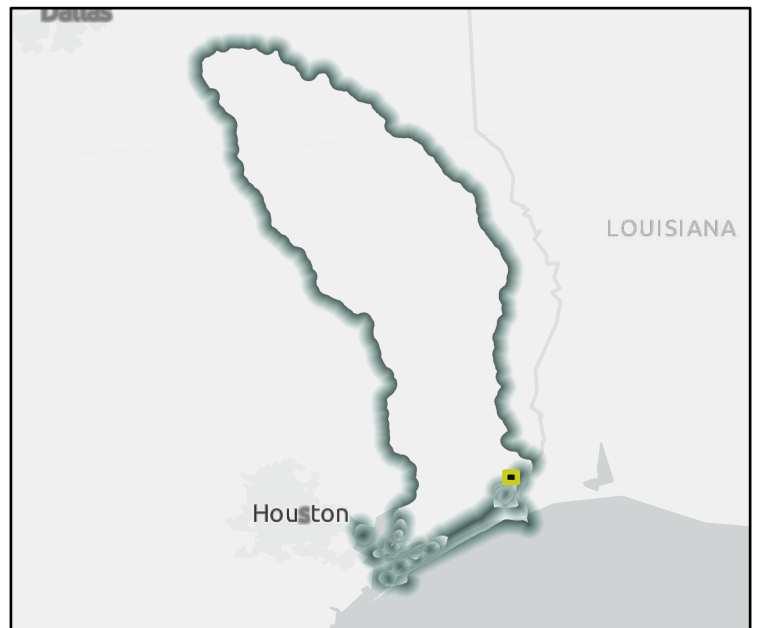
# of low water crossings  # of historical road closures

## 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 JCDD7 Hurricane Flood Protection Levee Study

ID# 051000123 Sponsor Jefferson County Drainage District 7

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

## Study Details

Study type Project Planning County Jefferson

Study description Study to identify possible upgrades to levees to help reduce the risk of flooding and to help the District review and update levees in jurisdictional area.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 112

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 12,671 # of structures 4,705 # of critical facilities 82

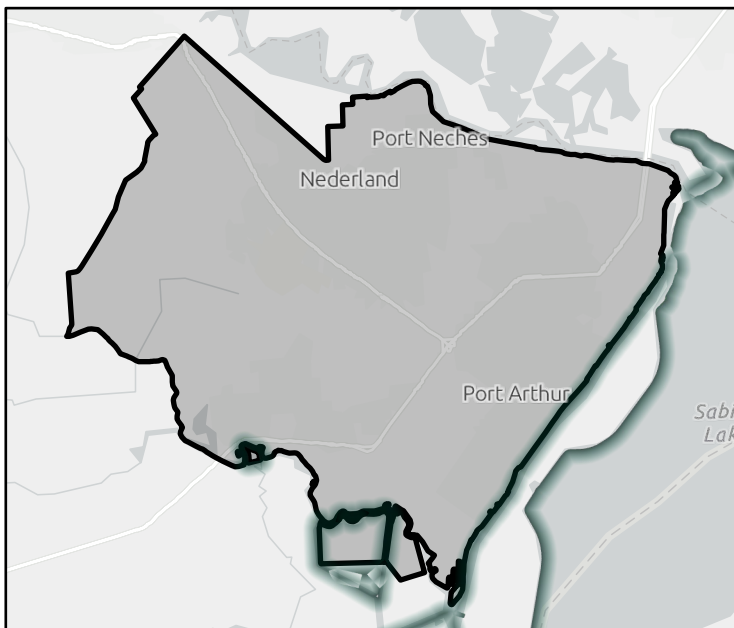
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) 876 Roadways impacted (miles) 95

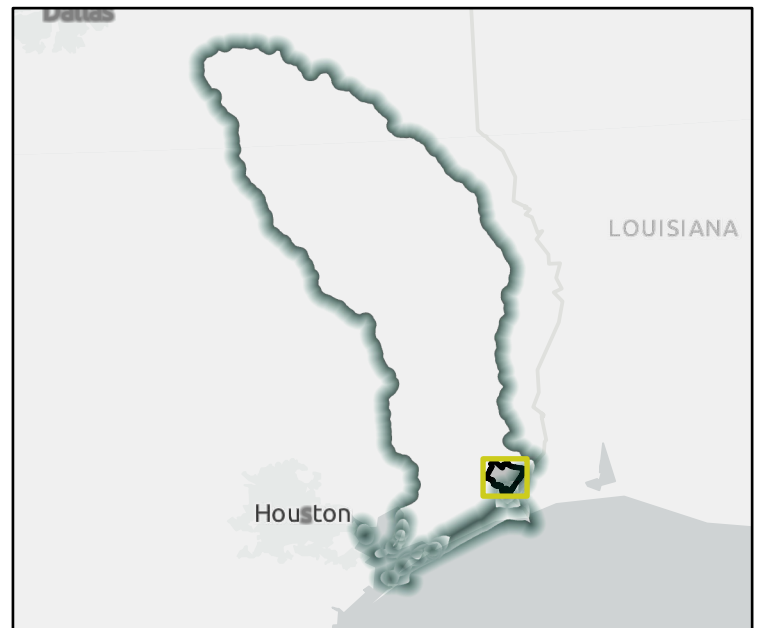
# of low water crossings 3 # of historical road closures 3

## Estimated Cost and Funding Availability

Total Cost \$777,000 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: 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  # of structures  # of critical facilities

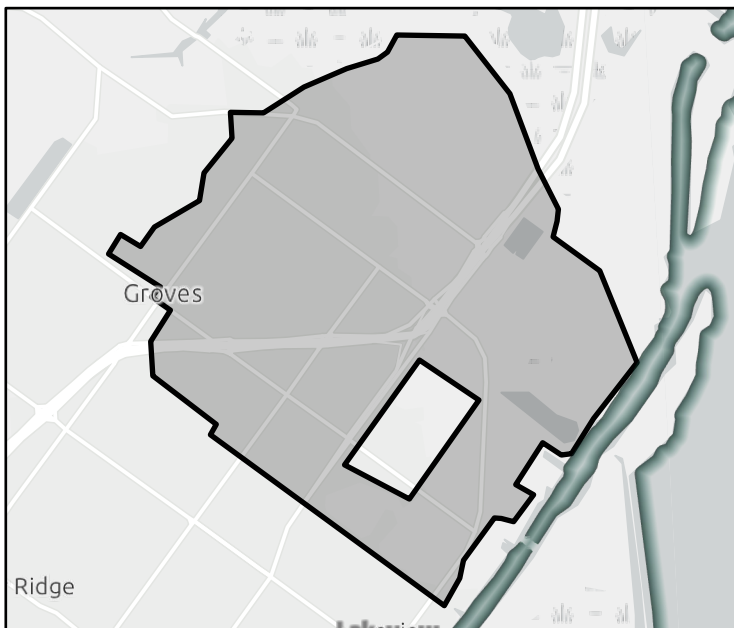
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

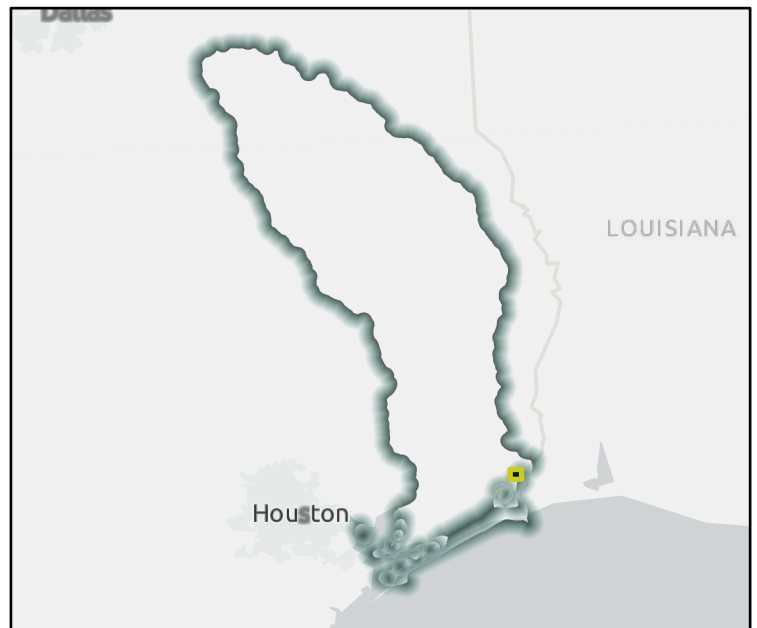
# of low water crossings  # of historical road closures

## 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)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

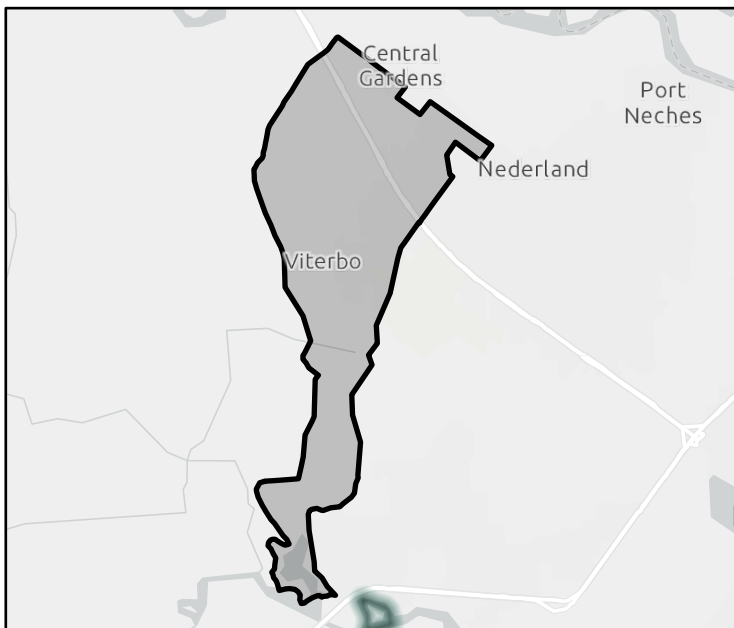
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  No Other?  Yes

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

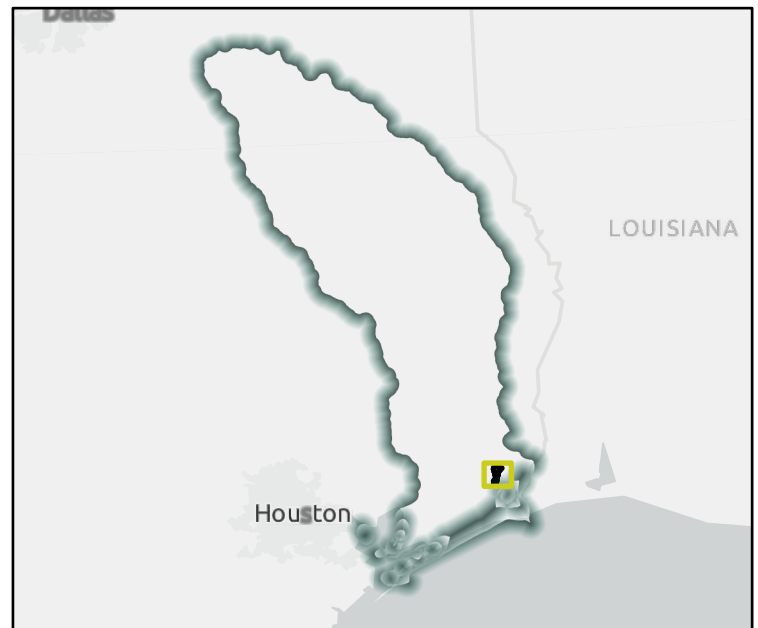
# of low water crossings  # of historical road closures

## 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: 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 exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

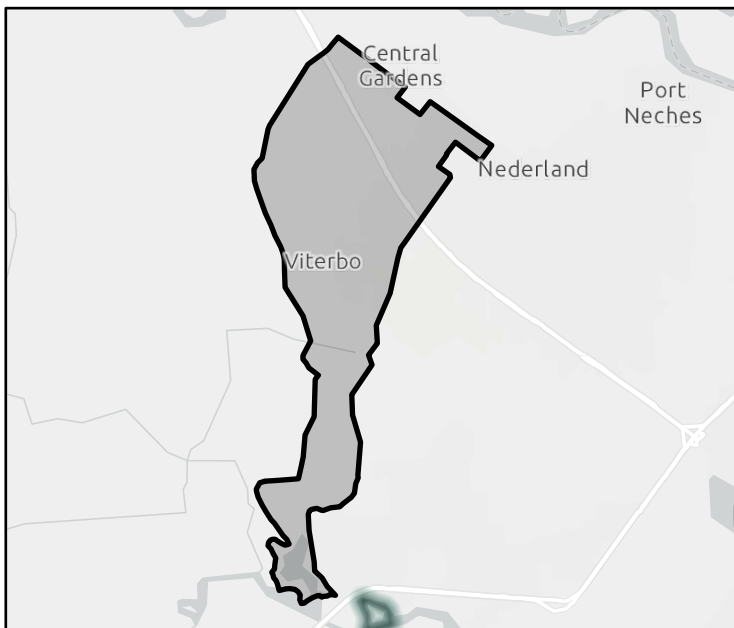
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  No Other?  Yes

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?  No 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

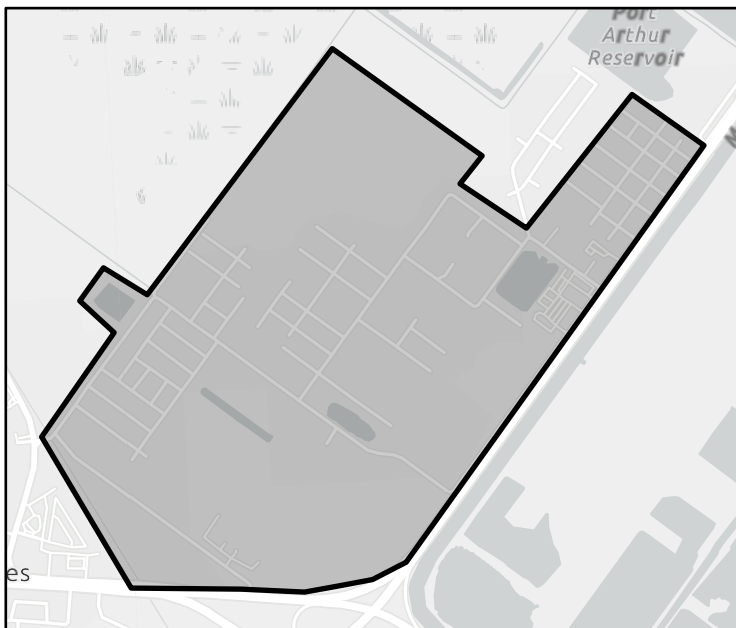
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

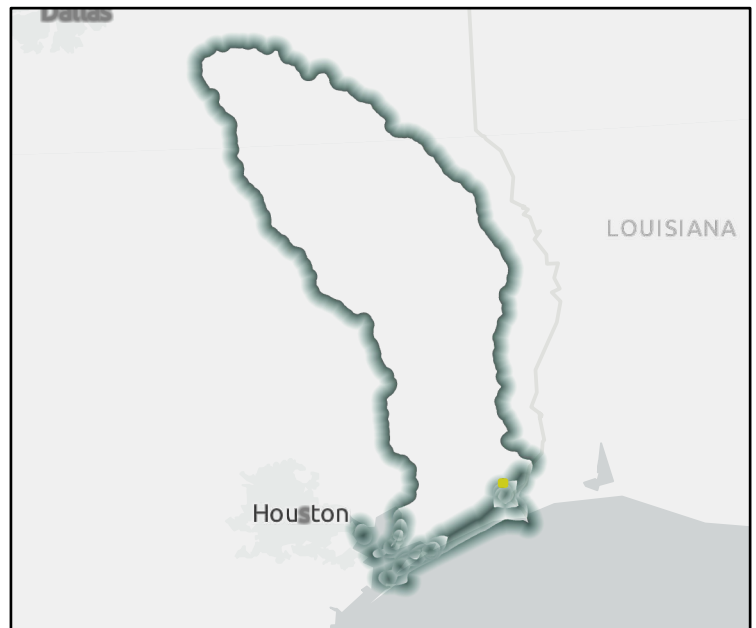
# of low water crossings  # of historical road closures

## 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 **W. Port Arthur Road Upgrade Pumping Equipment**

ID# **051000130** Sponsor **Jefferson County Drainage District 7**

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

## Study Details

Study type **Project Planning** County **Jefferson**

Study description **H&H study to size pump upgrades and improve existing level of service.**

FME to create new H&H model? **Yes** Emergency Need? **Yes** Anticipated models in near term? **No** Drainage area (sq. mi., est.) **1**

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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.**  
**Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.**

## 100-Year Flood Risk Summary

Population at risk **4** # of structures **3** # of critical facilities **0**

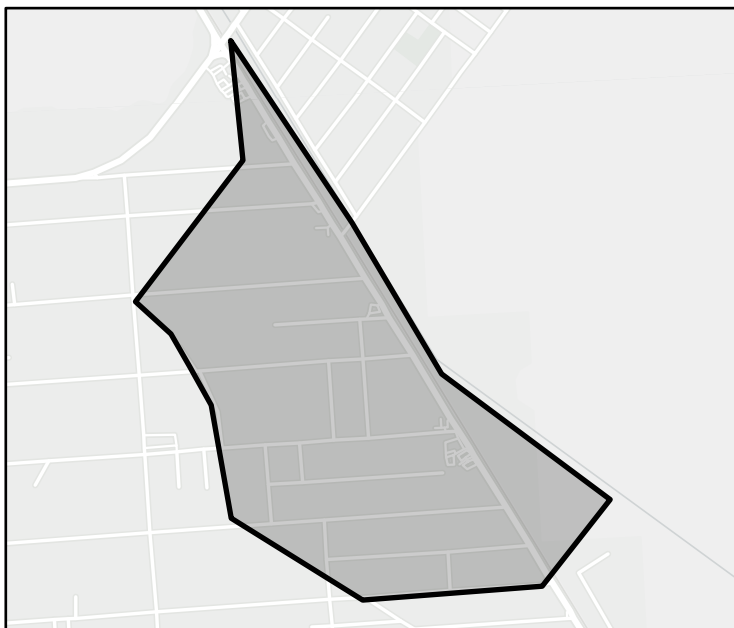
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **No** Other? **No**

Farm/Ranch land impacted (ac.) **0** Roadways impacted (miles) **0**

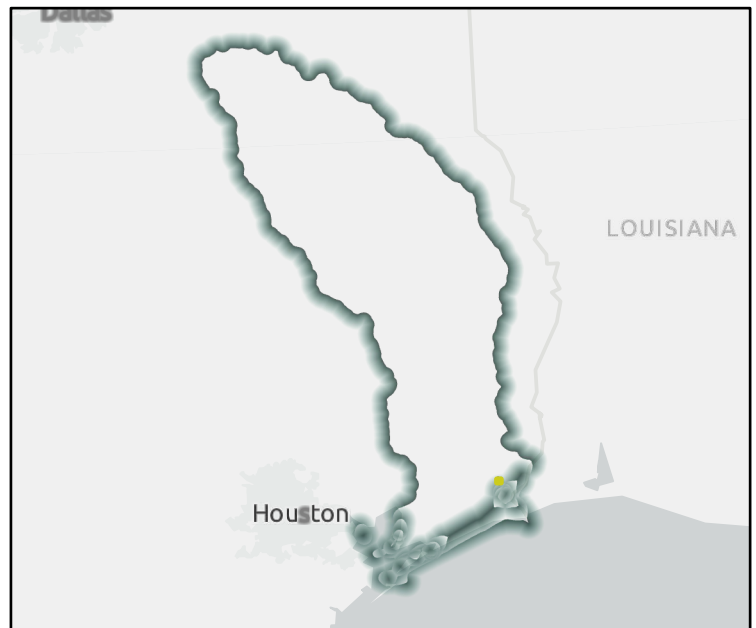
# of low water crossings **0** # of historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$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

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?  No 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

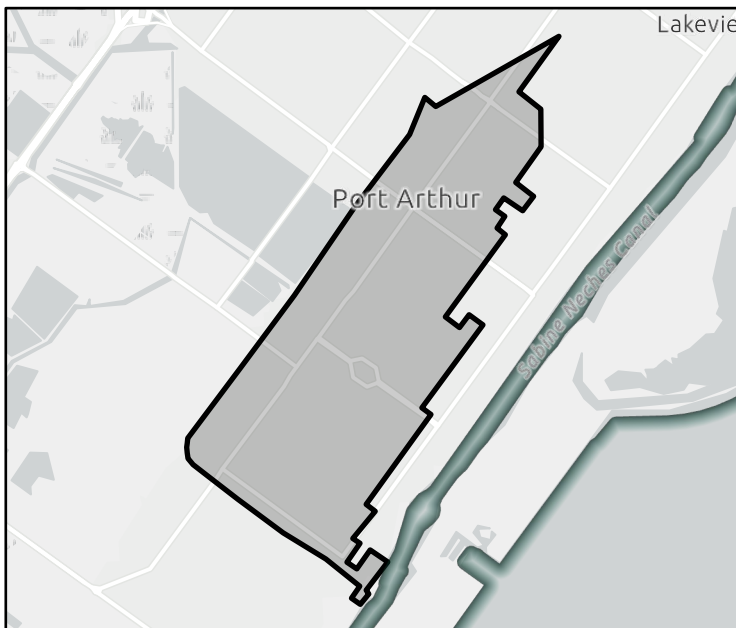
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

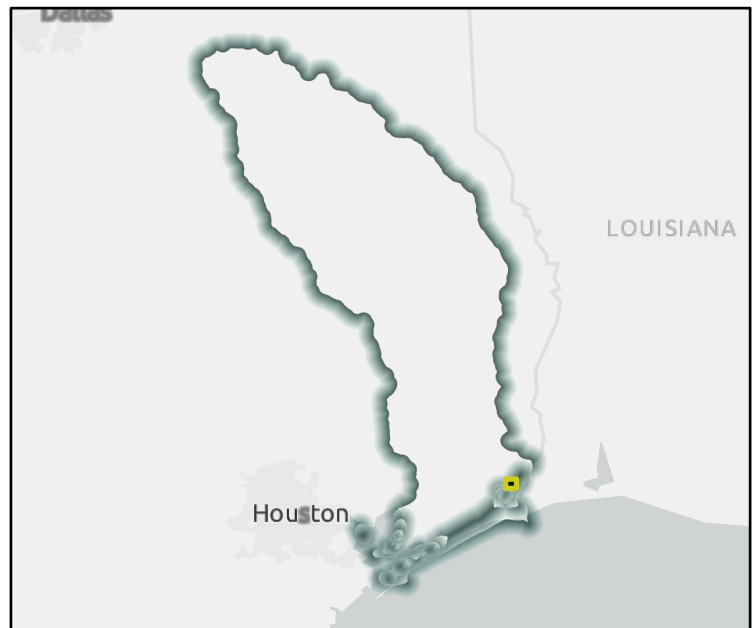
# of low water crossings  # of historical road closures

## 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

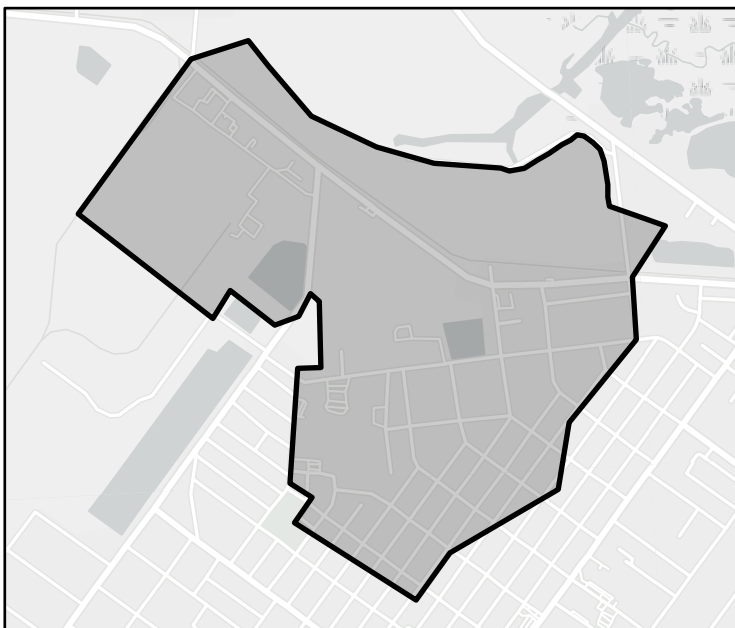
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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?  No 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.
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  - Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

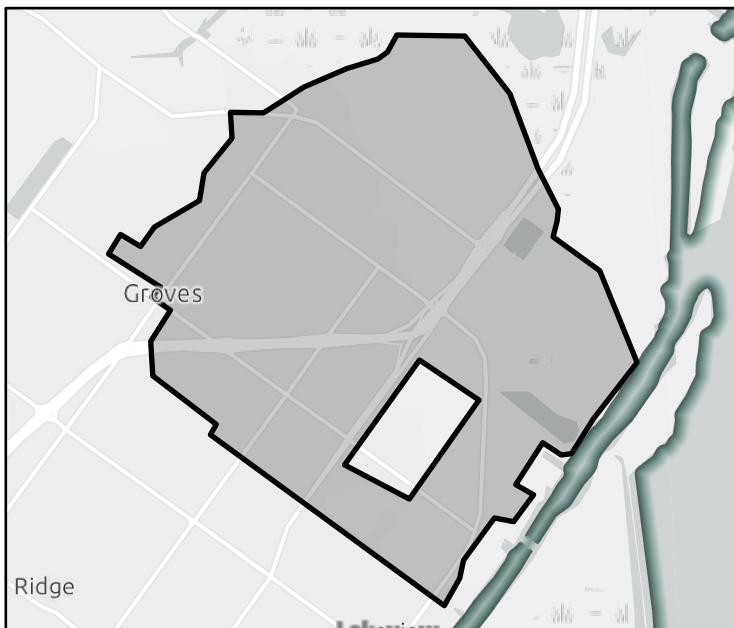
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

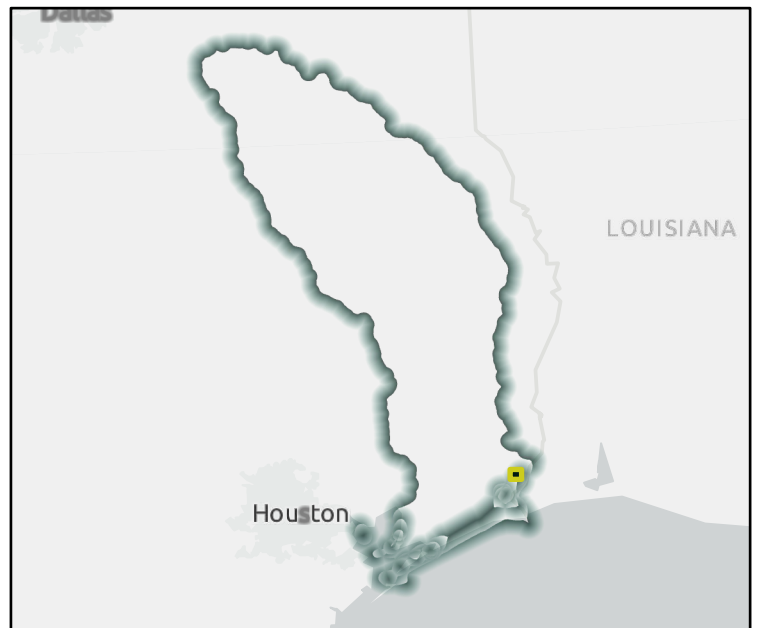
# of low water crossings  # of historical road closures

## 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 **Lakeview Additional Pumping**

ID# **051000134** Sponsor **Jefferson County Drainage District 7**

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

## Study Details

Study type **Project Planning** County **Jefferson**

Study description **H&H study to size pump upgrades and improve existing level of service.**

FME to create new H&H model? **Yes** Emergency Need? **Yes** Anticipated models in near term? **No** Drainage area (sq. mi., est.) **2**

- 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk **479** # of structures **216** # of critical facilities **0**

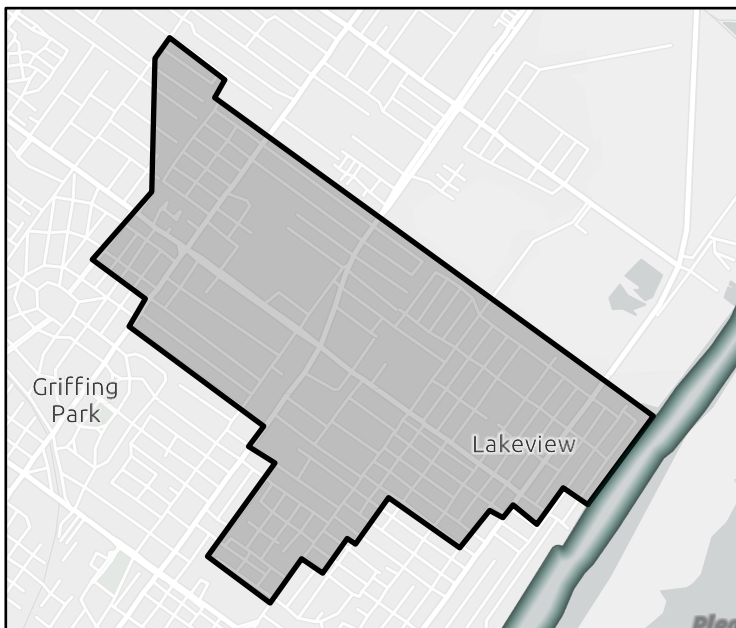
Flood risk type: Riverine? **Yes** Coastal? **Yes** Local Flooding? **No** Other? **Yes**

Farm/Ranch land impacted (ac.) **0** Roadways impacted (miles) **2**

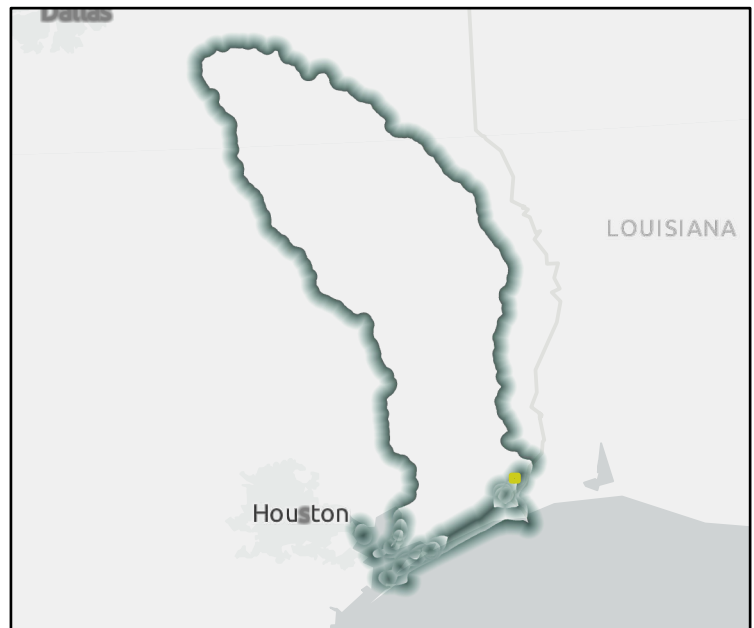
# of low water crossings **0** # of historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** 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)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

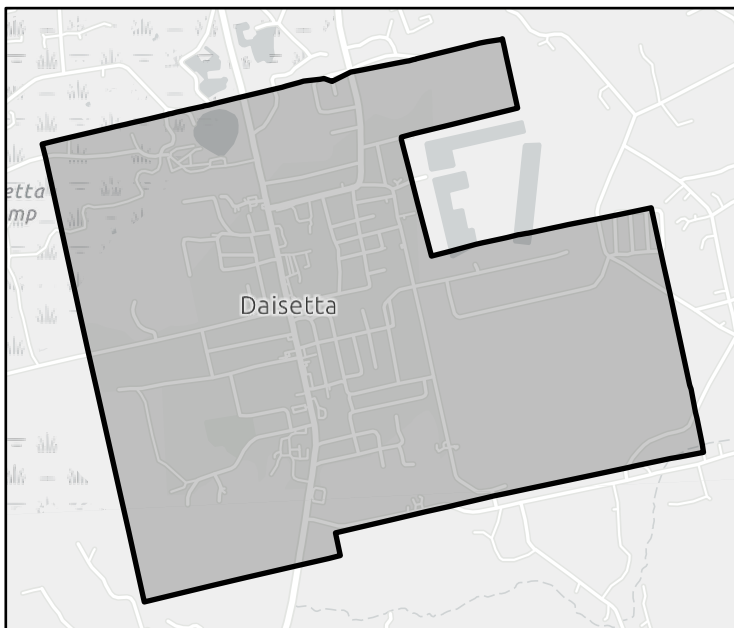
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

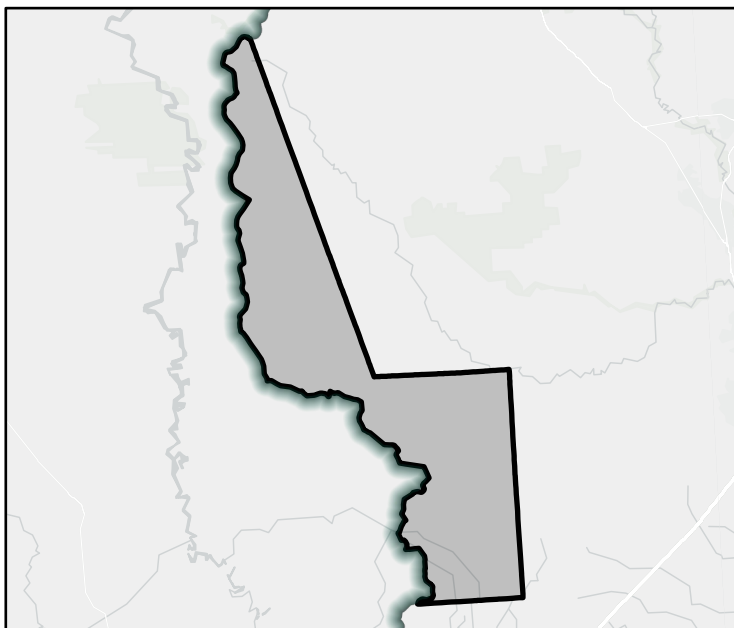
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

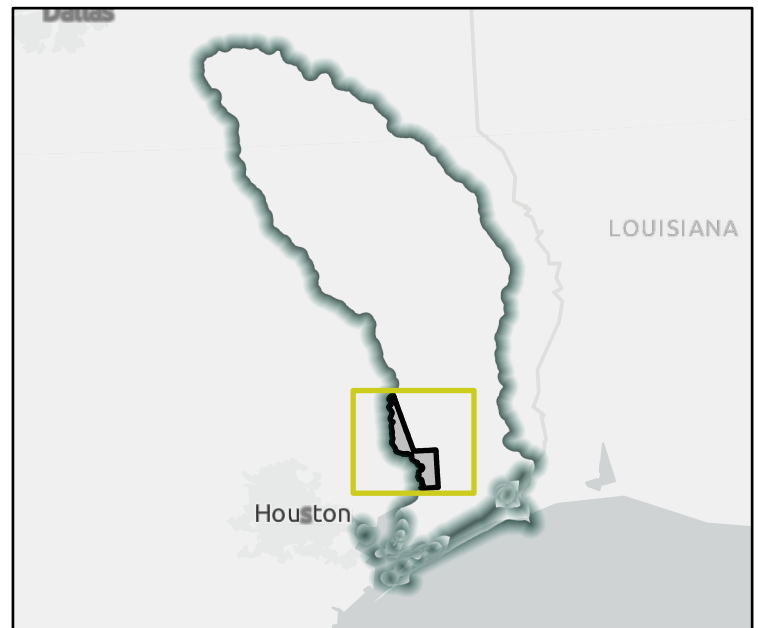
# of low water crossings  # of historical road closures

## 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)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

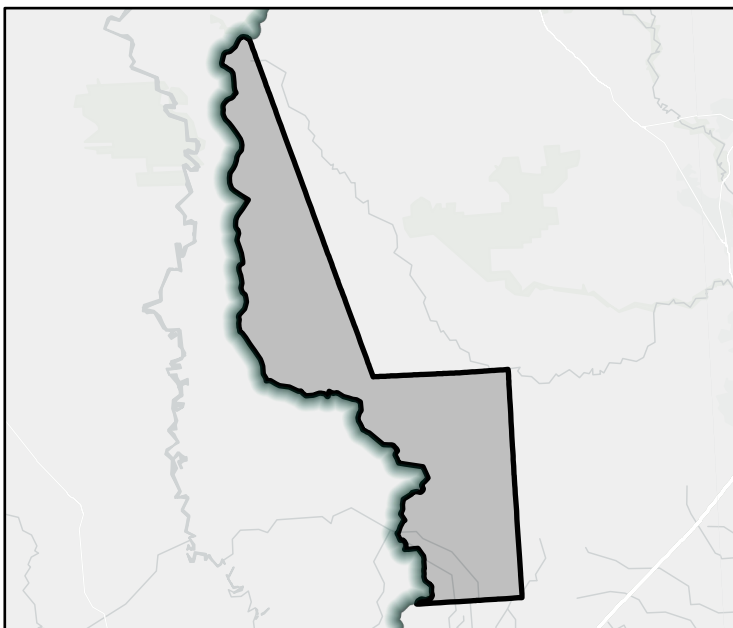
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

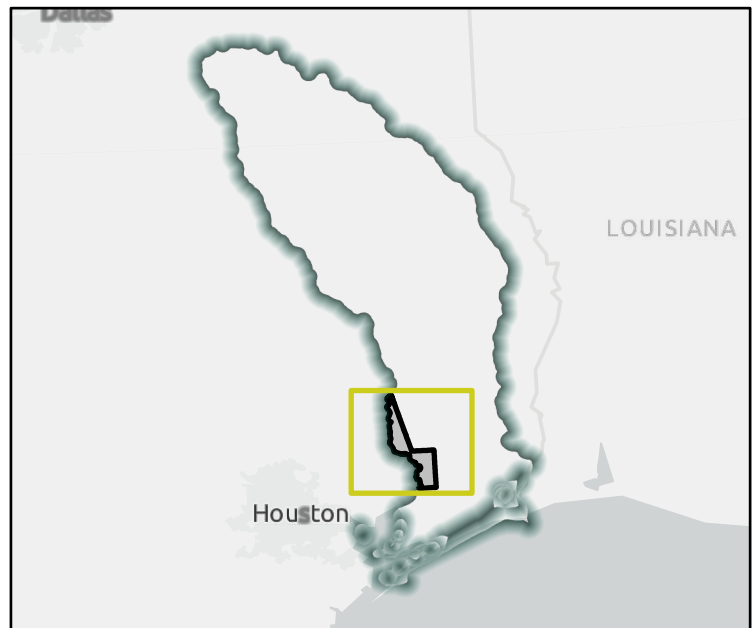
# of low water crossings  # of historical road closures

## 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 Stadium Upgrade Pumping Equipment

ID# 051000138 Sponsor Jefferson County Drainage District 7

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

## Study Details

Study type Project Planning County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? No Drainage area (sq. mi., est.) 0

- 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk 27 # of structures 6 # of critical facilities 0

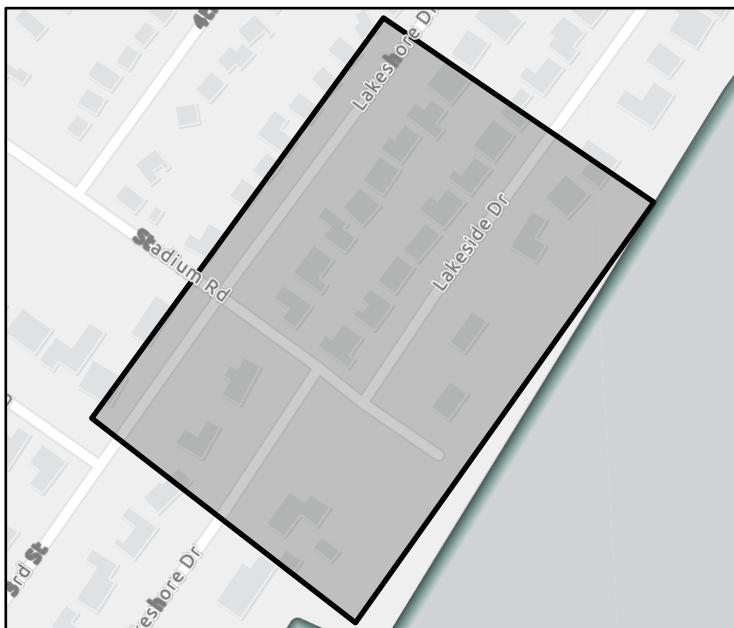
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 0 Roadways impacted (miles) 0

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

## Estimated Cost and Funding Availability

Total Cost \$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

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?  No 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

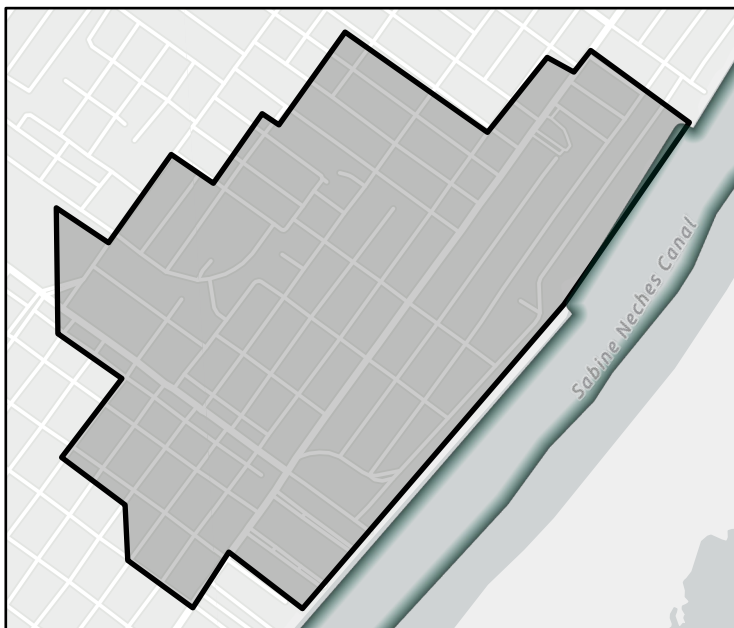
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  No Other?  No

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?  No 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

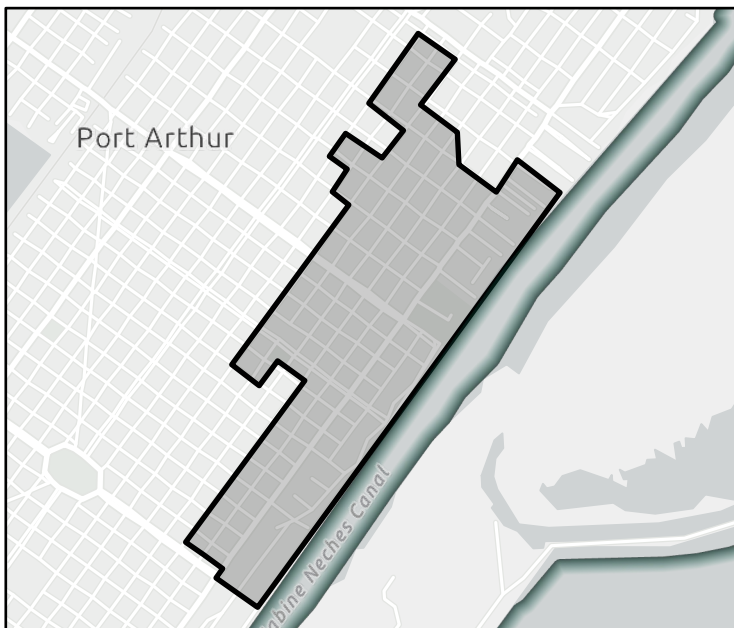
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

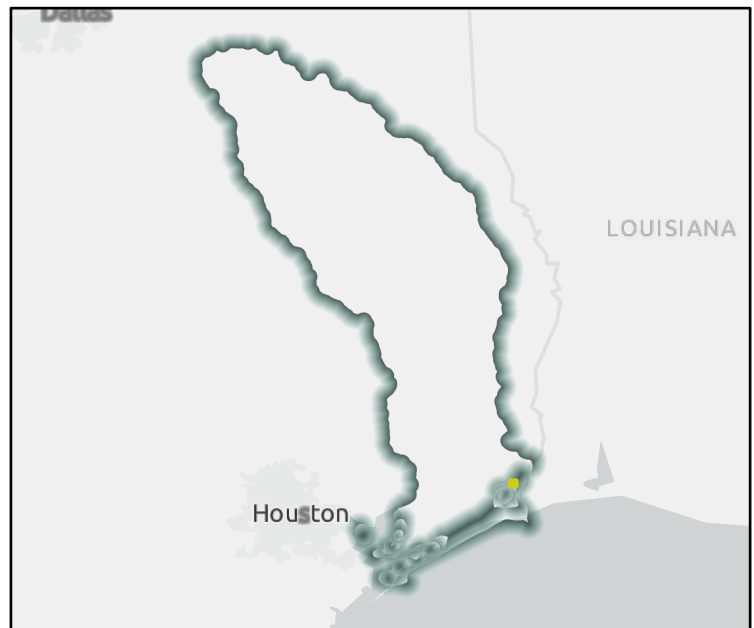
# of low water crossings  # of historical road closures

## 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)
- 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 exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

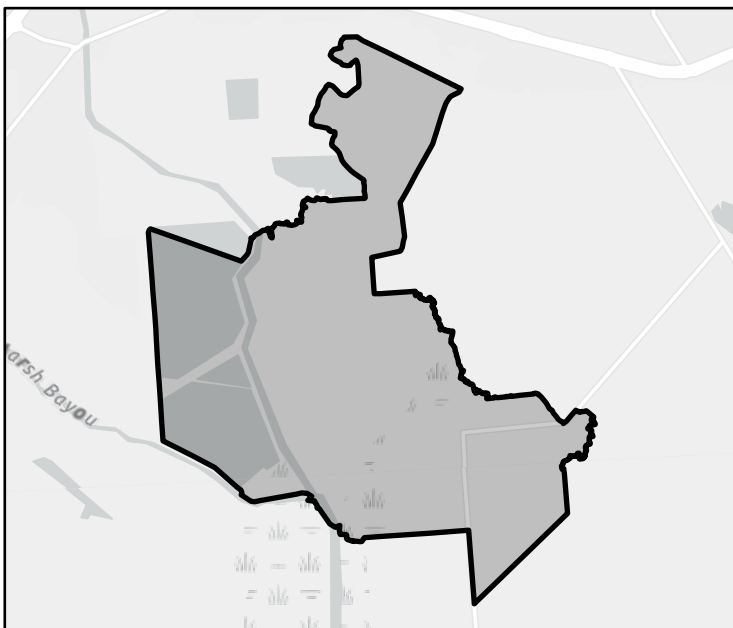
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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?  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 exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

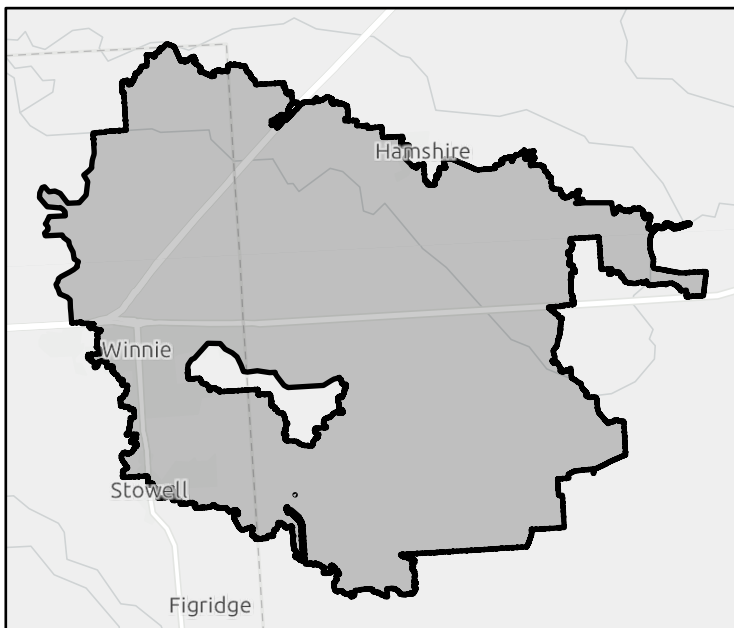
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

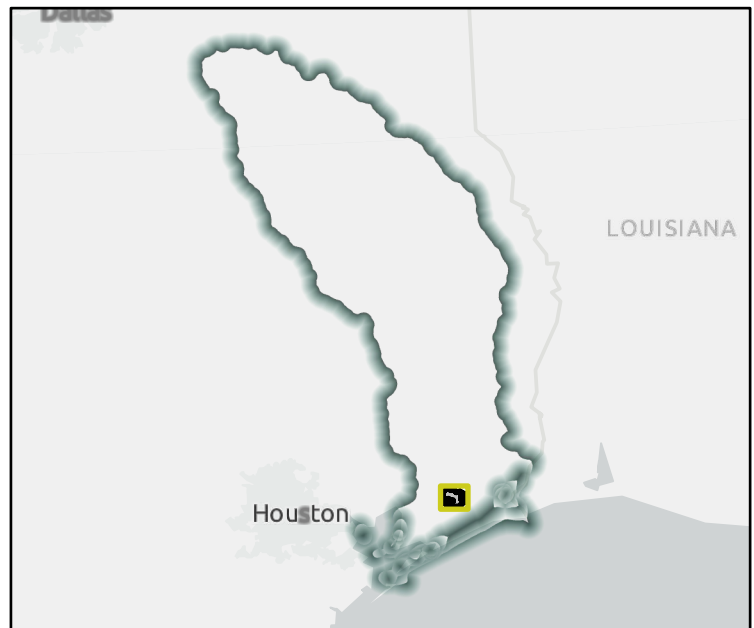
# of low water crossings  # of historical road closures

## 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?  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)
- Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
  - Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
  - Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

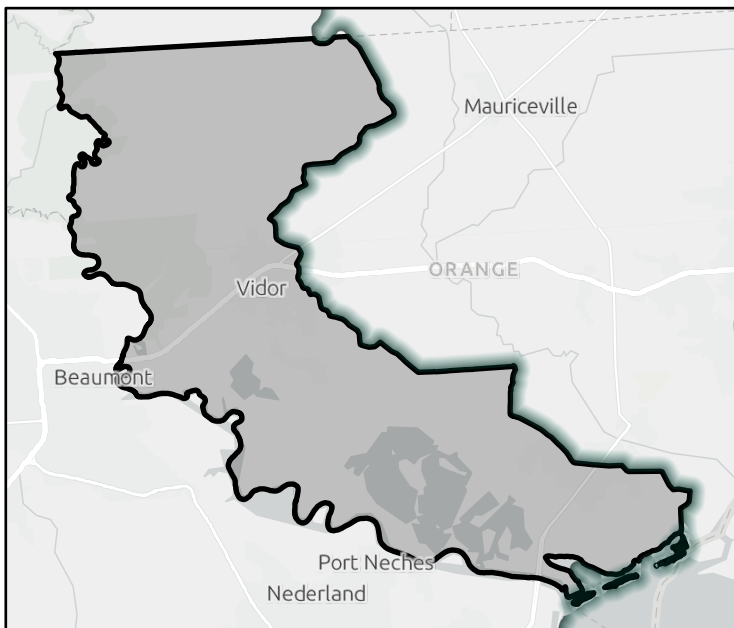
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

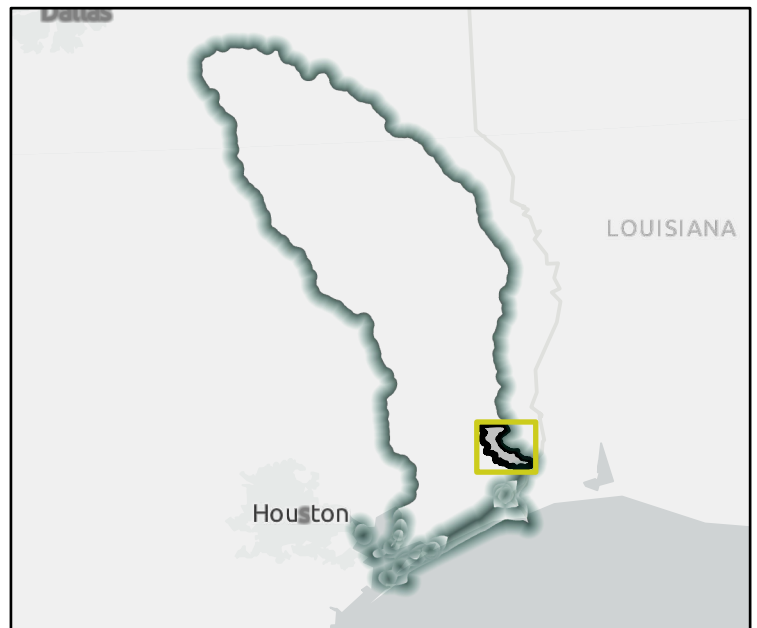
# of low water crossings  # of historical road closures

## 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 Feasibility Assessment of the Capacity of Drainage Ditches and Channels that Convey Stormwater from Neighborhoods Located Within Orange County

ID# 051000146 Sponsor Orange County Drainage District

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

## Study Details

Study type Project Planning County Orange

Study description H&H Study to analyze most efficient alternatives for improving existing drainage ditches and channels linked to neighborhoods within Orange County.

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: 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 2: 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 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.  
 Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.  
 Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.  
 Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk 8,737 # of structures 5,007 # of critical facilities 36

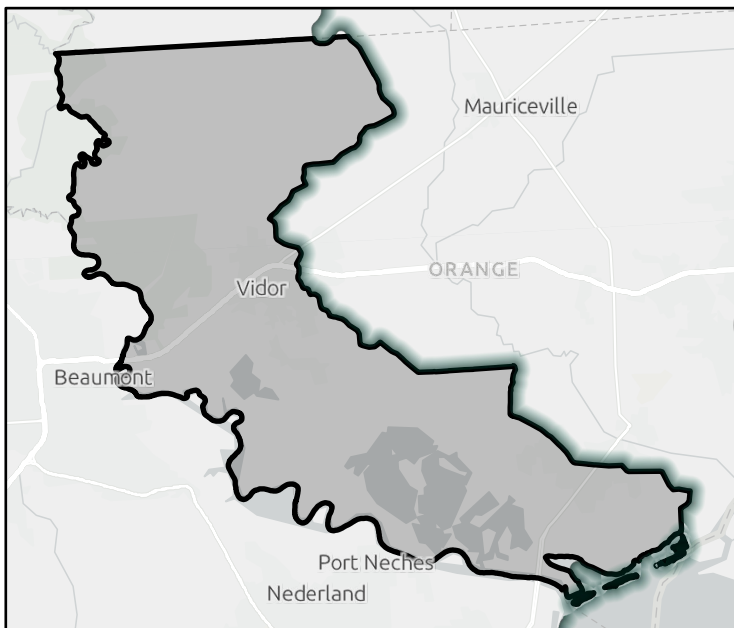
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

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

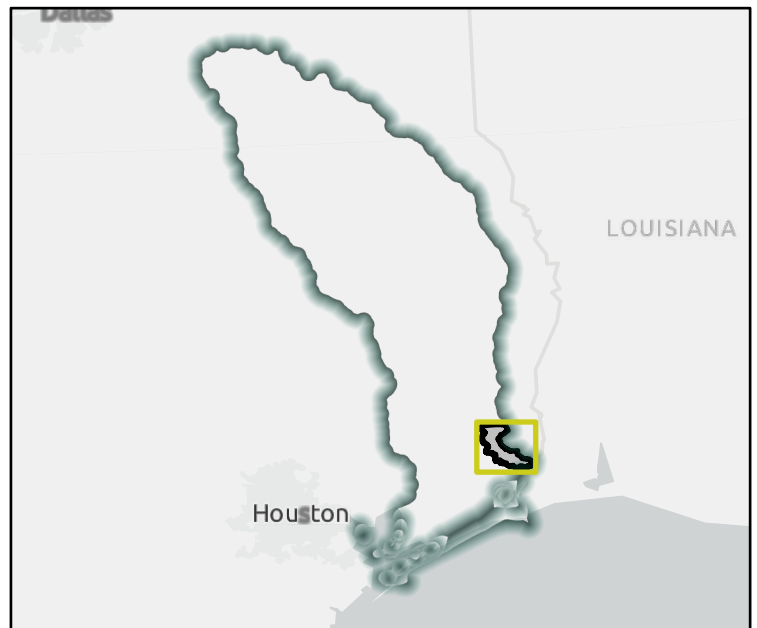
# of low water crossings 20 # of historical road closures 20

## Estimated Cost and Funding Availability

Total Cost \$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

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

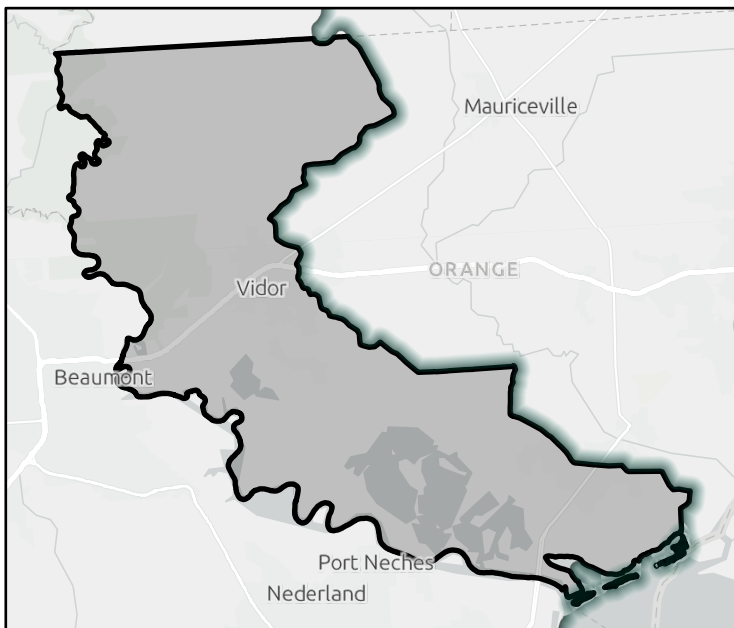
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

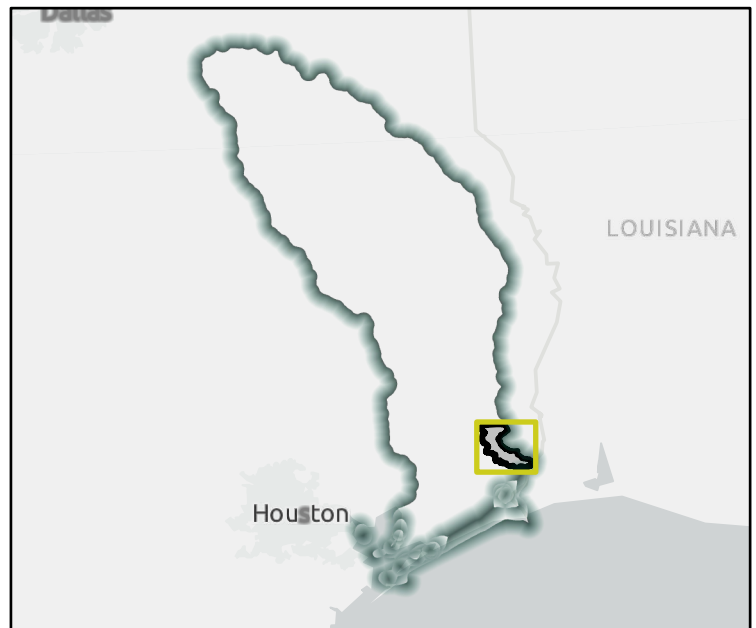
# of low water crossings  # of historical road closures

## 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?  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)
- 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

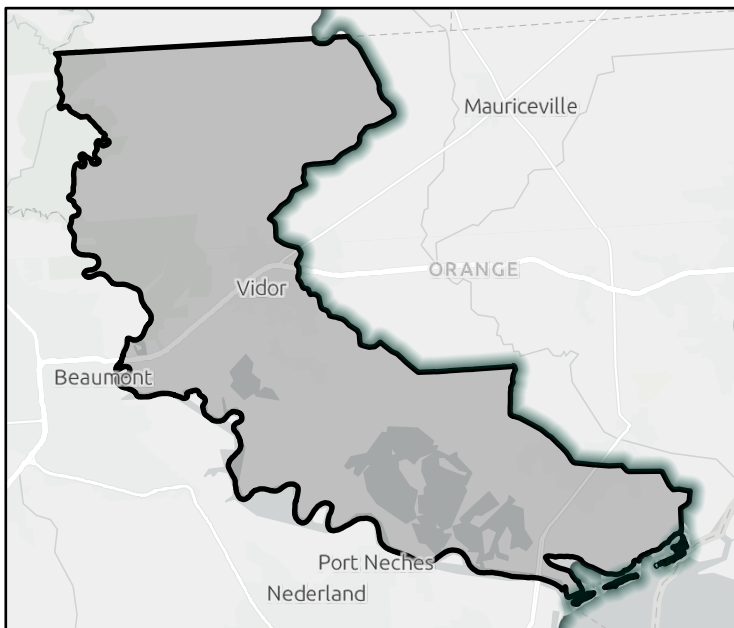
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

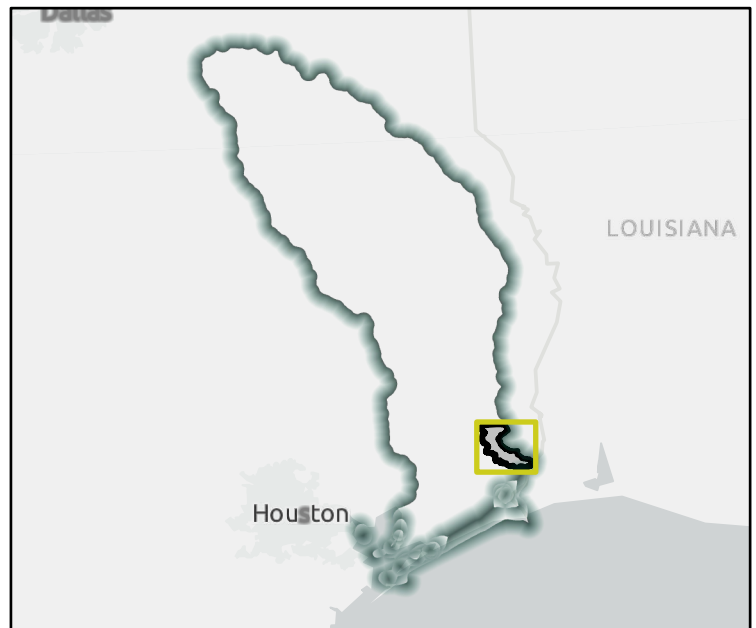
# of low water crossings  # of historical road closures

## 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 exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

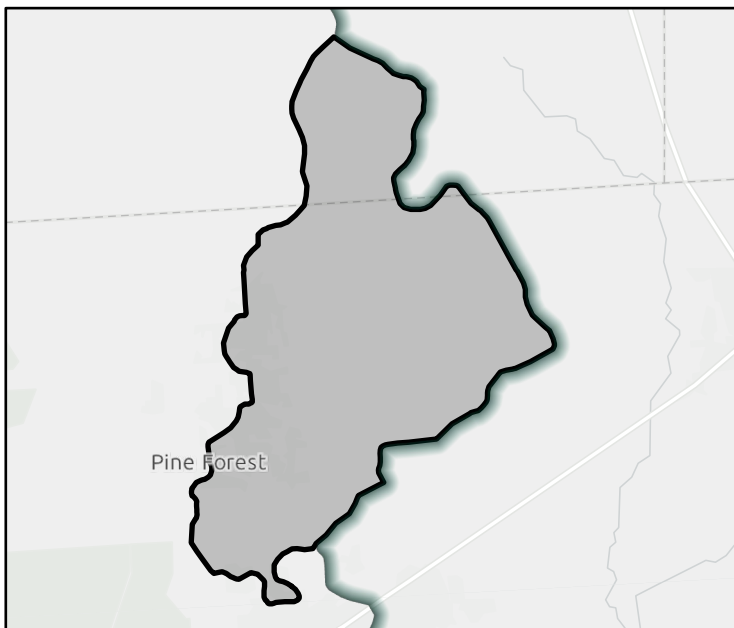
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

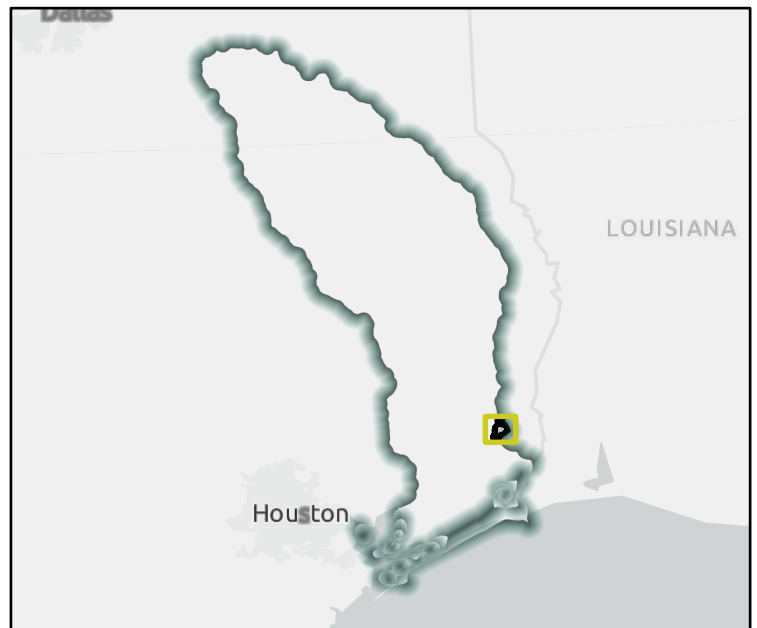
# of low water crossings  # of historical road closures

## 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 Feasibility Assessment of Construction of a Stormwater Detention Pond Adjacent to Tiger Creek

ID# 051000150 Sponsor Orange County Drainage District

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

## Study Details

Study type Project Planning County Orange, Jasper

Study description H&H Study to analyze most efficient alternatives for constructing a stormwater detention pond in the vicinity of Tiger Creek.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 28

- 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 exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## 100-Year Flood Risk Summary

Population at risk 1,268 # of structures 848 # of critical facilities 0

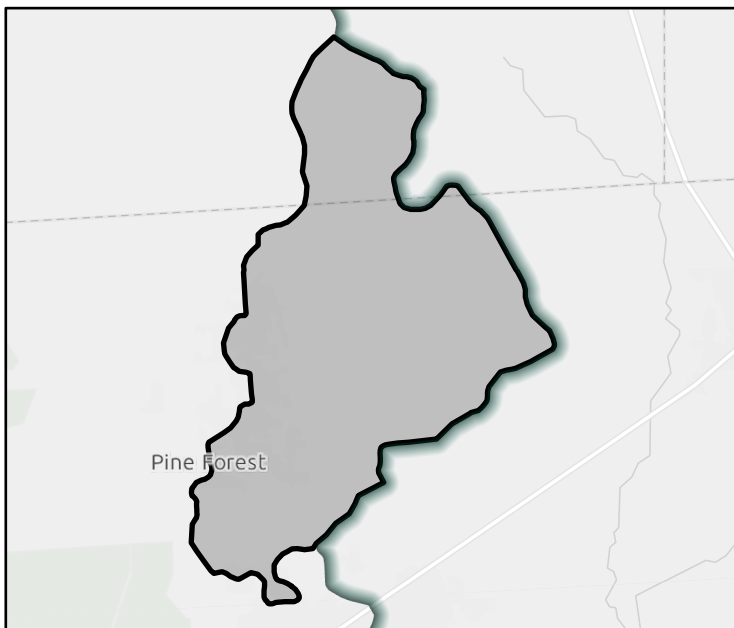
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) 15 Roadways impacted (miles) 17

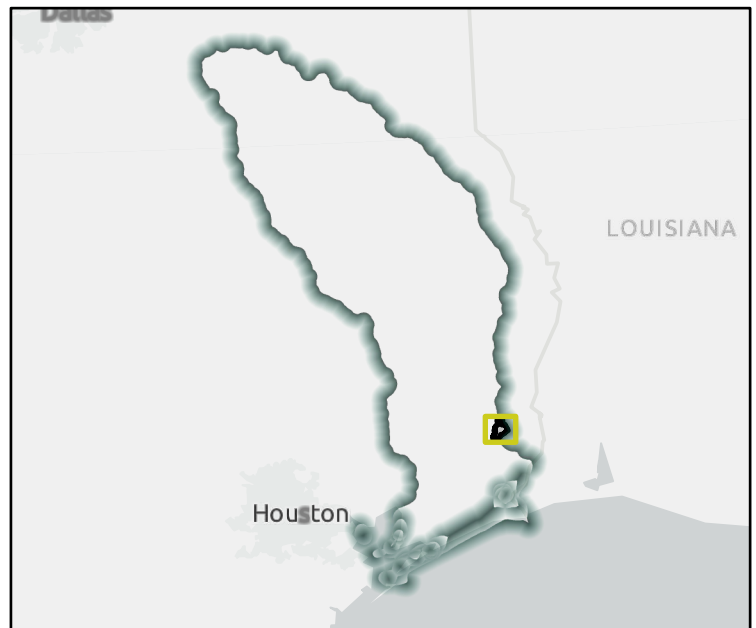
# of low water crossings 5 # of historical road closures 5

## Estimated Cost and Funding Availability

Total Cost \$100,000 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 Feasibility Assessment of Widening and Deepening Segments of Ten-Mile Creek

ID# 051000151 Sponsor Orange County Drainage District

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

## Study Details

Study type Project Planning County Orange, Jasper

Study description H&H Study to analyze most efficient alternatives for constructing improvements to segments of Ten-Mile Creek.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 46

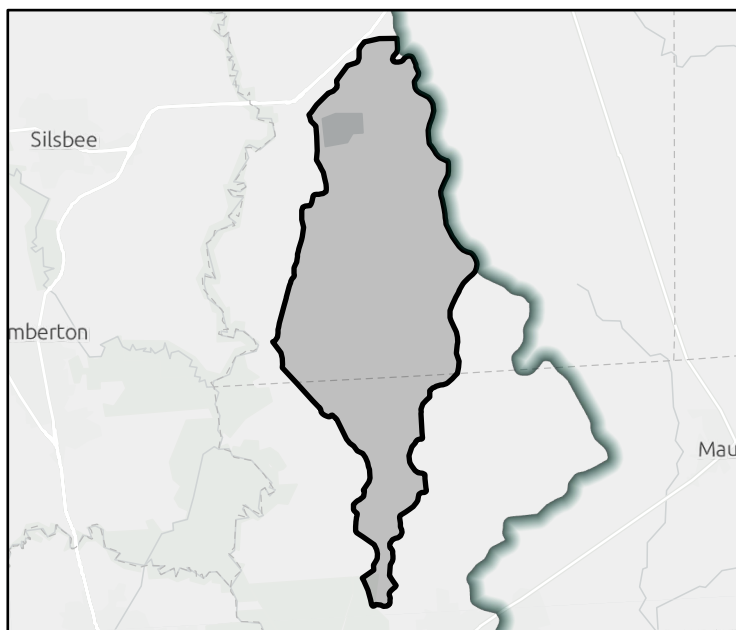
- Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
- Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) 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 exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## 100-Year Flood Risk Summary

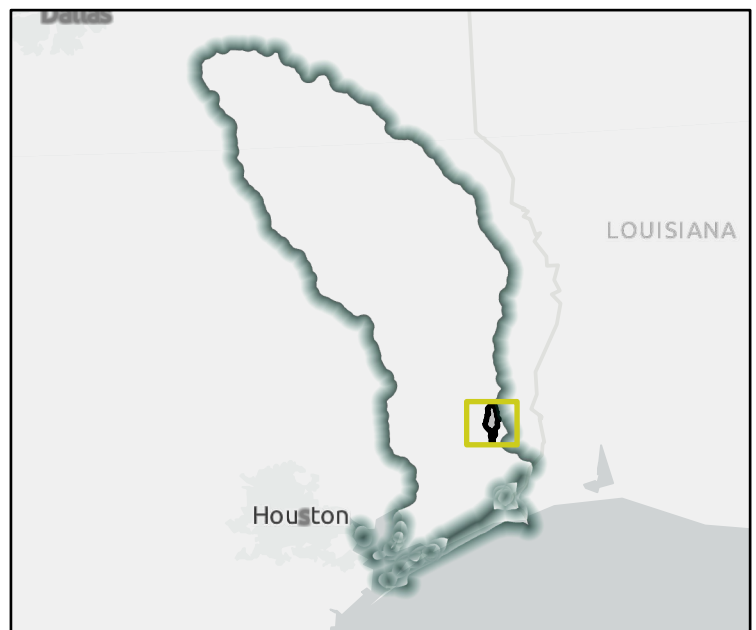
Population at risk	748	# of structures	415	# of critical facilities	0
Flood risk type: Riverine?	Yes	Coastal?	No	Local Flooding?	No
Other?	No	Farm/Ranch land impacted (ac.)	44	Roadways impacted (miles)	13
# of low water crossings	2	# of historical road closures	2		

## Estimated Cost and Funding Availability

Total Cost	\$175,000	Potential federal funding availability?	Yes	Potential Federal Funding Sources	-
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title Feasibility Assessment of Widening and Deepening Segments of Anderson Gully

ID# 051000152 Sponsor Orange County Drainage District

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

## Study Details

Study type Project Planning County Orange, Jefferson

Study description H&H Study to analyze most efficient alternatives for constructing improvements to segments of Anderson Gully.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 42

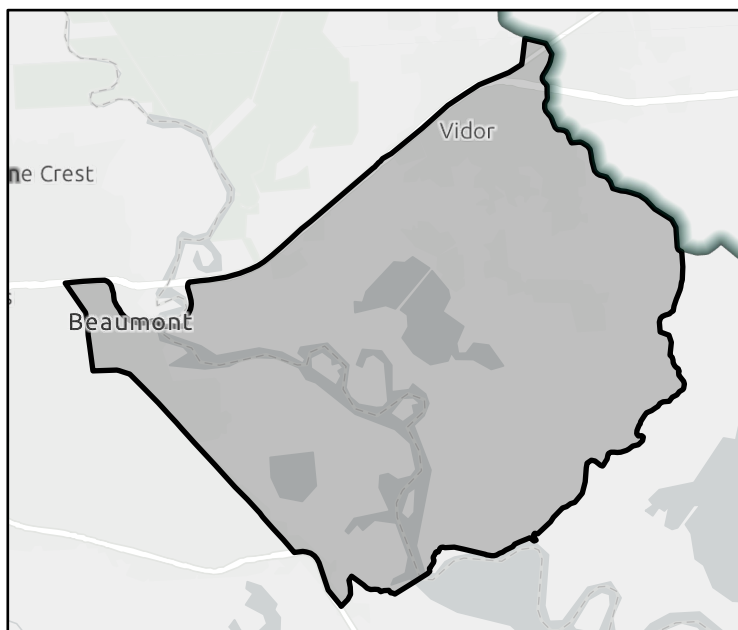
- Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
- Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) 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

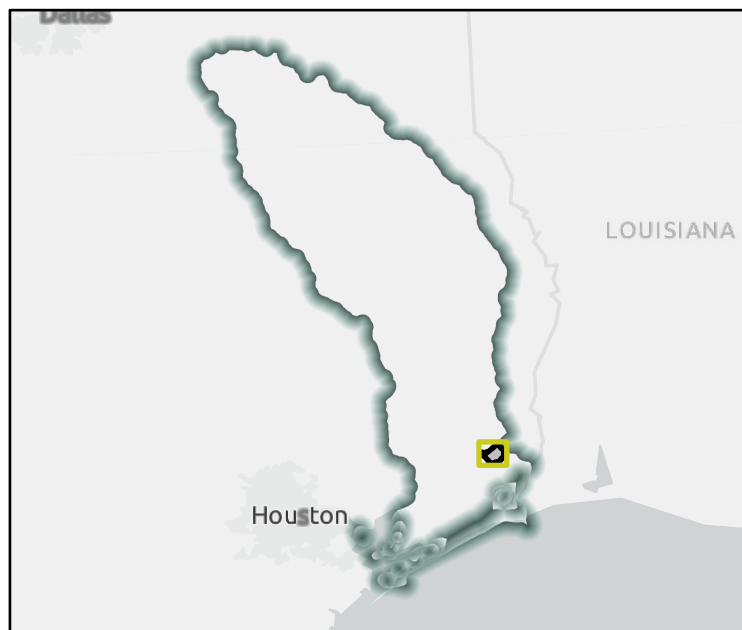
Population at risk	2,262	# of structures	1,366	# of critical facilities	194
Flood risk type: Riverine?	Yes	Coastal?	Yes	Local Flooding?	No
Farm/Ranch land impacted (ac.)	140	Roadways impacted (miles)	35	Other?	Yes
# of low water crossings	9	# of historical road closures	9		

## Estimated Cost and Funding Availability

Total Cost	\$325,000	Potential federal funding availability?	Yes	Potential Federal Funding Sources	-
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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?  No Anticipated models in near term?  No 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 exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

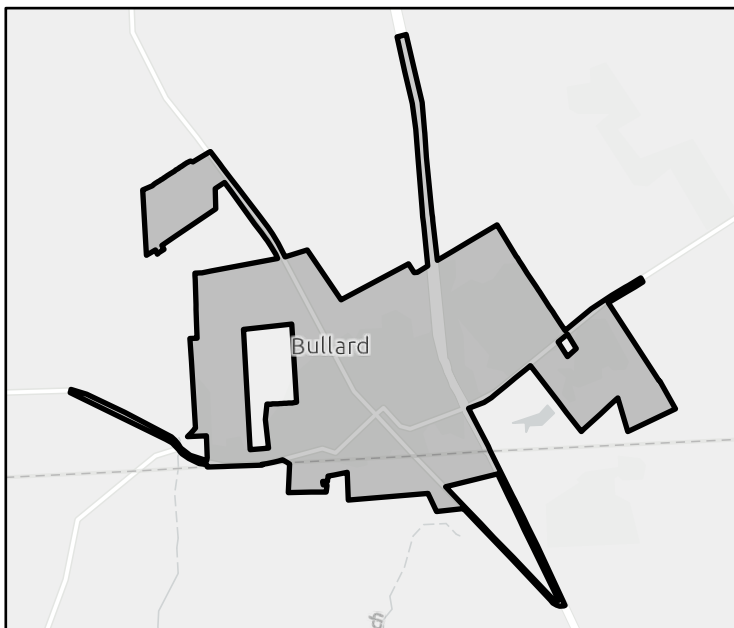
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  No

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



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

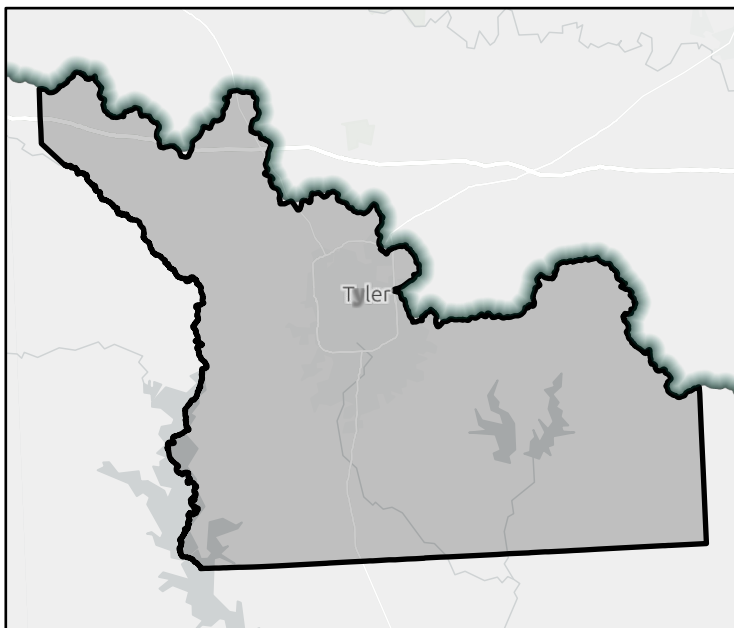
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  Yes Other?  Yes

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) Goal 1: 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 2: 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 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.  
 Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.  
 Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.  
 Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

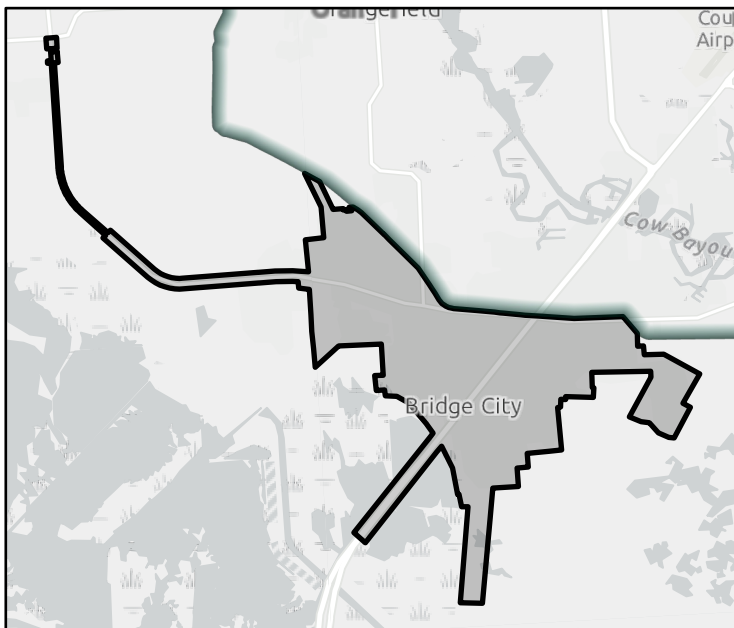
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  No Other?  Yes

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

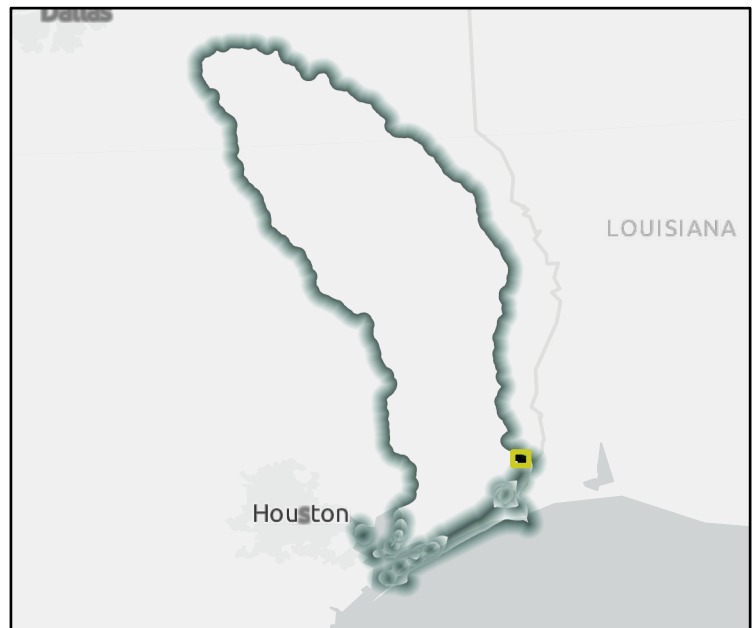
# of low water crossings  # of historical road closures

## 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.  
 Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

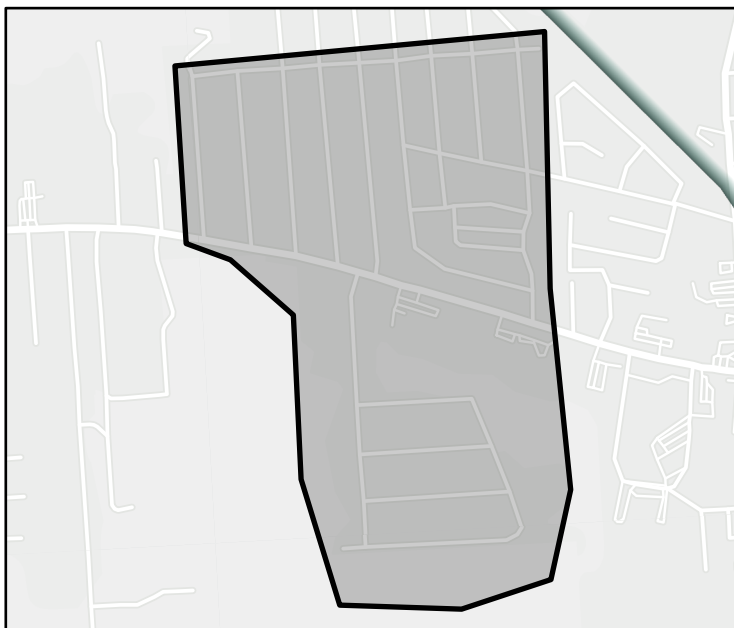
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  No Other?  No

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

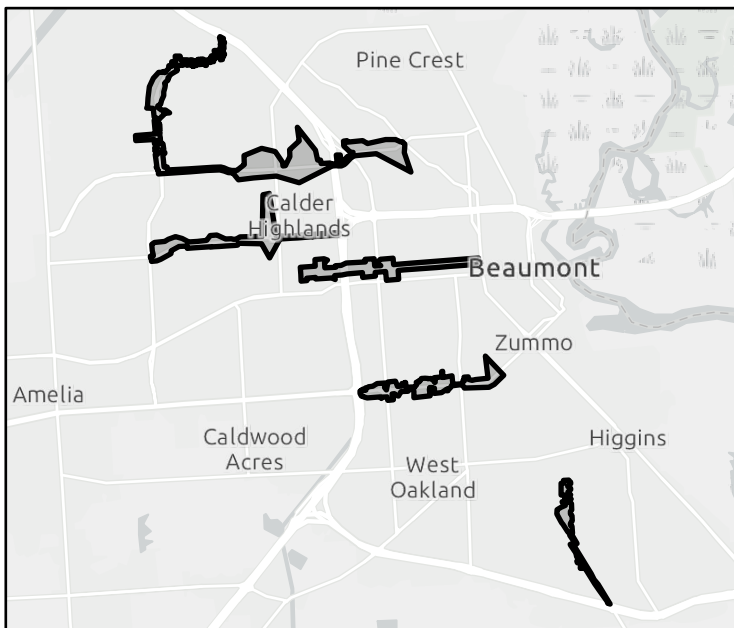
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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



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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  - Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

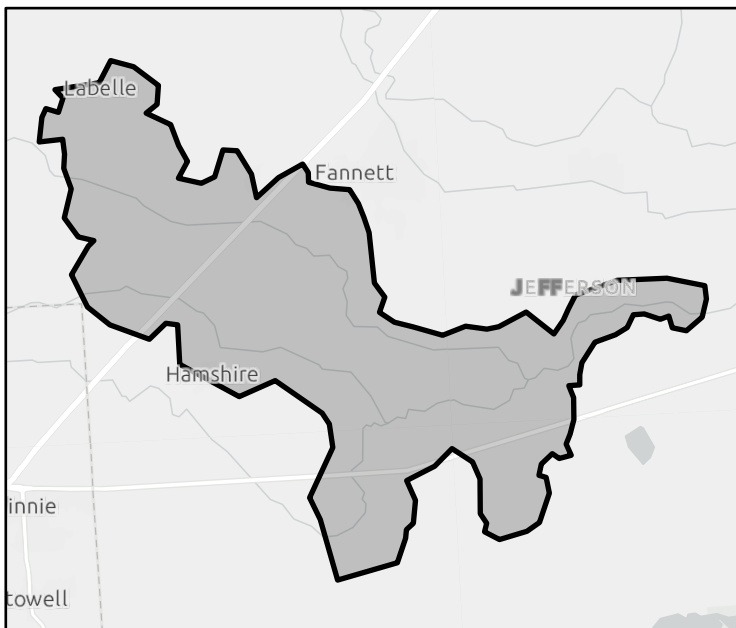
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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

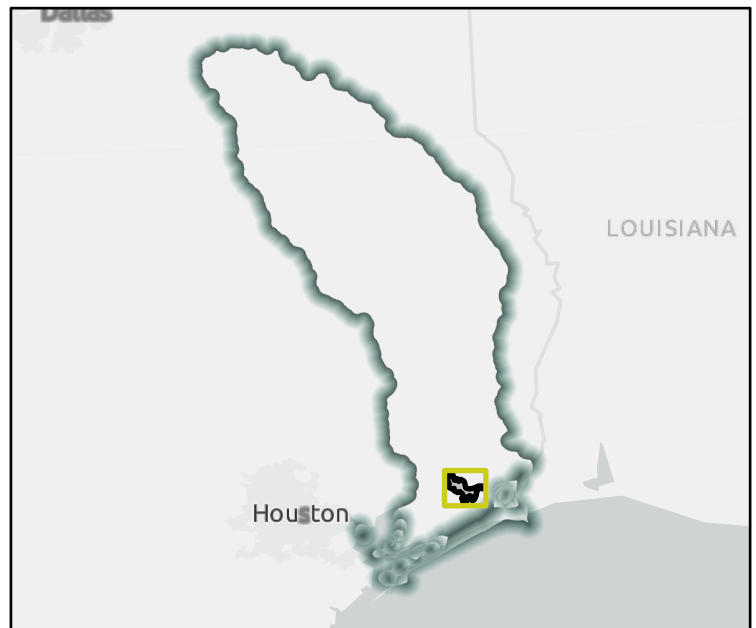
# of low water crossings  # of historical road closures

## 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)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

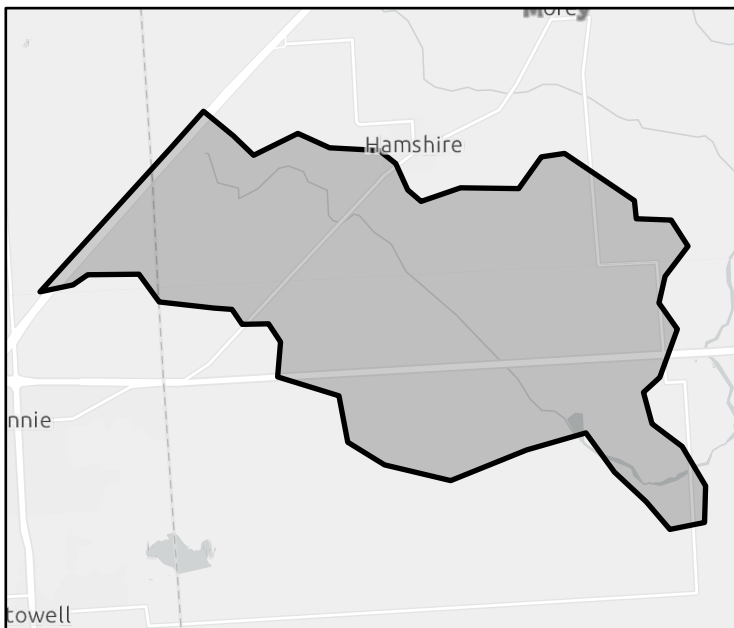
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  Yes

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)
- 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 exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

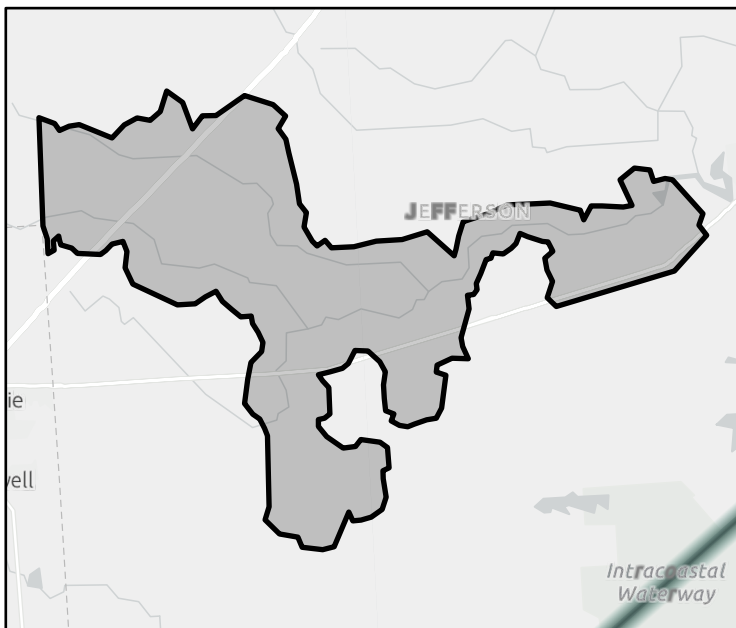
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

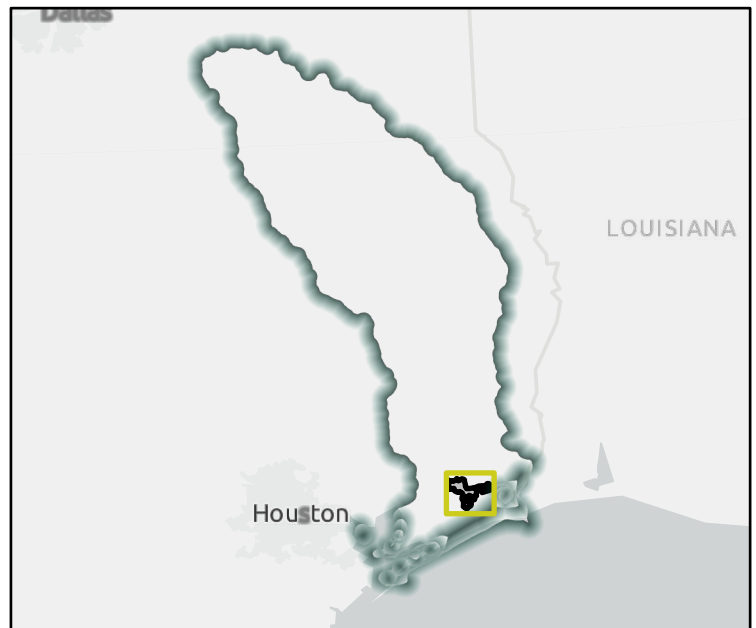
# of low water crossings  # of historical road closures

## 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 **Calder Diversion Connections**

ID# **051000161** Sponsor **Jefferson County Drainage District 6**

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

## Study Details

Study type **Project Planning** County **Jefferson**

Study description **Evaluate sub-surface diversion primarily located along Calder Avenue that discharges into the Neches River.**

FME to create new H&H model? **Yes** Emergency Need? **Yes** Anticipated models in near term? **Yes** Drainage area (sq. mi., est.) **5**

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: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.**  
**Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.**

## 100-Year Flood Risk Summary

Population at risk **2,068** # of structures **17** # of critical facilities **1**

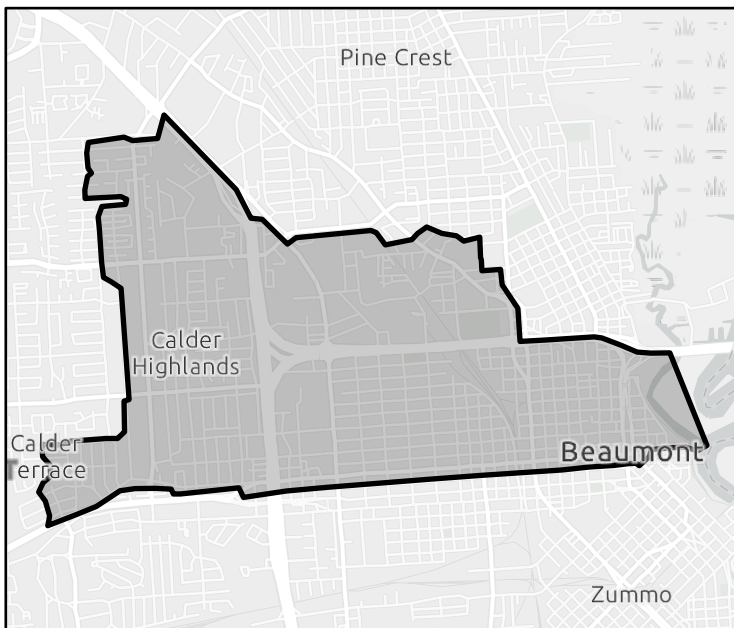
Flood risk type: Riverine? **Yes** Coastal? **No** Local Flooding? **No** Other? **Yes**

Farm/Ranch land impacted (ac.) **0** Roadways impacted (miles) **0**

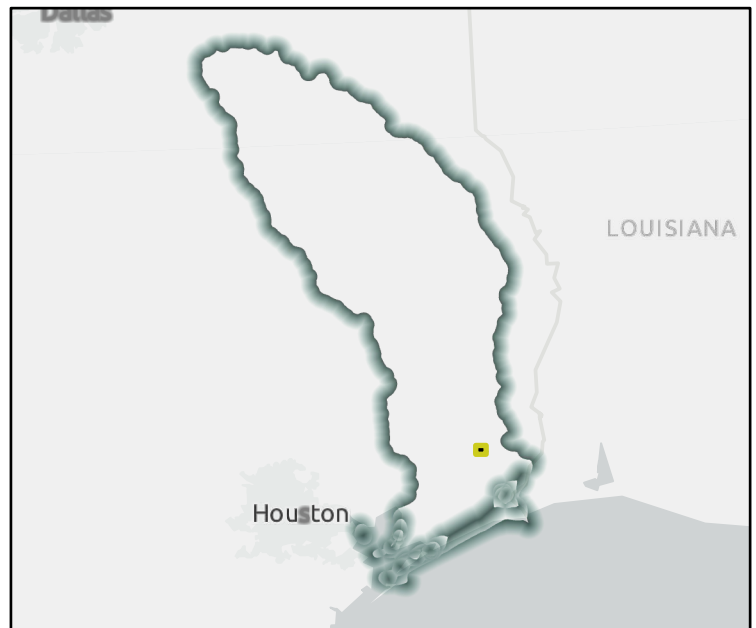
# of low water crossings **0** # of historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$75,000** Potential federal funding availability? **Yes** Potential Federal Funding Sources **FIF Grants, Local funds (JCDD6)**



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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

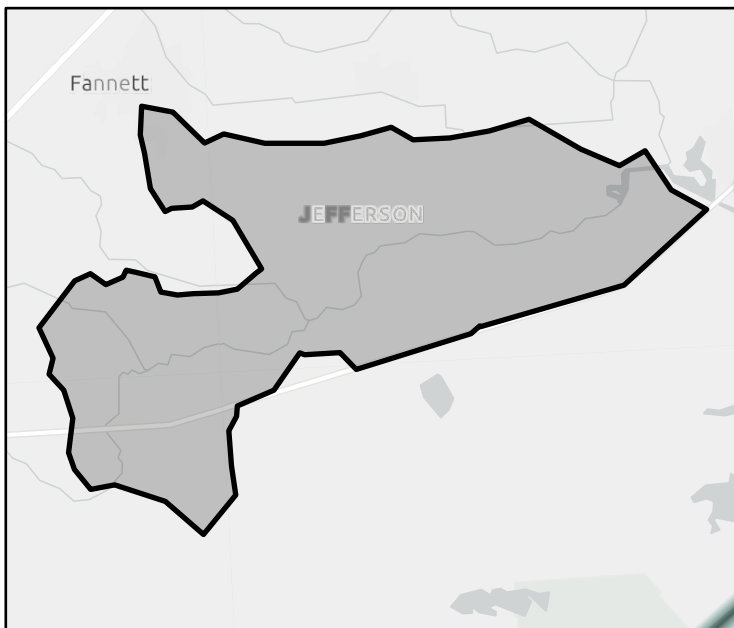
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  No Other?  Yes

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

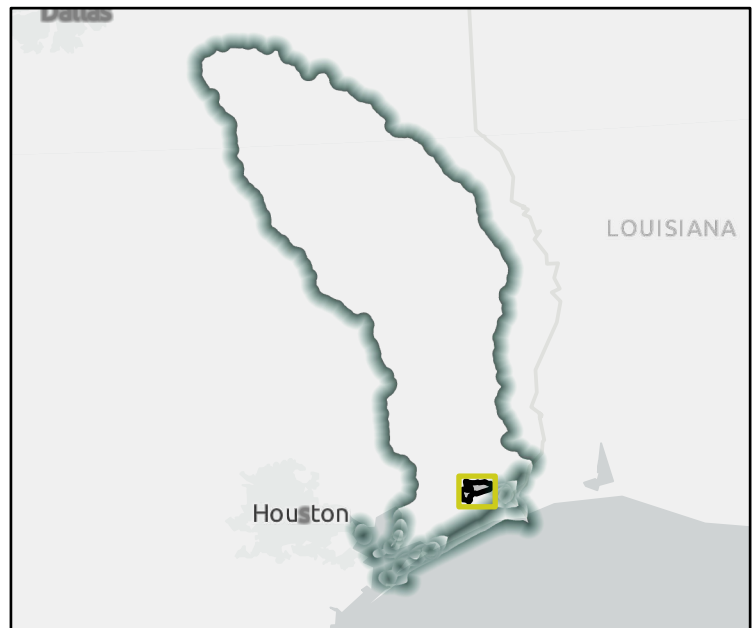
# of low water crossings  # of historical road closures

## 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

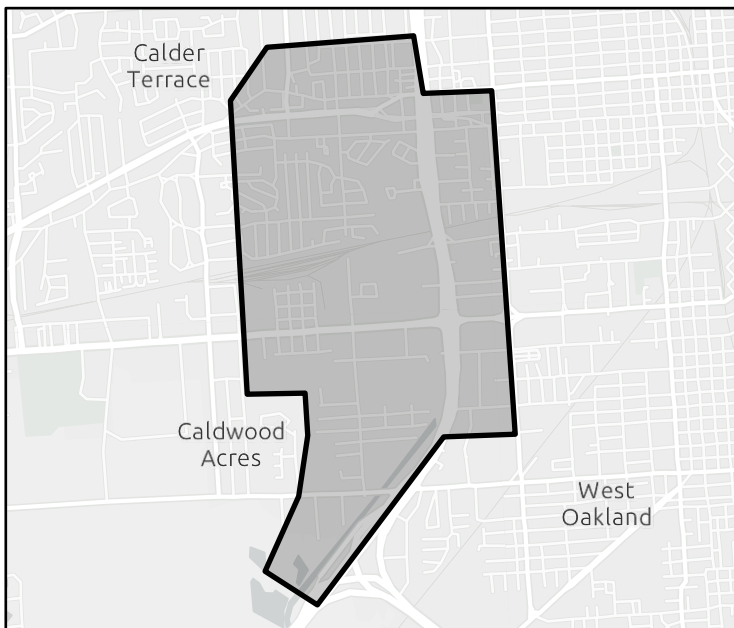
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  Yes Other?  No

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 Mitigation Project (FMP)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title Bayou Din Detention Basin

ID# 053000001 Sponsor Jefferson County Drainage District 6

RFPG recommend? Yes Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

## Project Description

Construct a new detention basin with nearby channel and crossing improvements in the vicinity of Bayou Din.

Watershed HUC# (if known) 120402010100,120402010200 Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 19

Associated FME's 999999 County Jefferson

Associated FMS's 999999 Associated FMP's 999999

## Existing 100-Year Flood Risk

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

Population at risk 1,297 # of structures 534 Critical facilities 21

Farm/Ranch land impacted (acres) 1,048 Roadway(s) impacted (length) 15

Number of low water crossings 5 Historical road closures 5

## 100-Year Flood Risk Reduction

Population removed from 100-yr 286 # of structures removed from 100-yr 101

Critical facilities removed from 100-yr 4 Farm/Ranch land removed from 100-yr (acres) 45

Road removed from 100-yr (miles) 0 Low water crossings removed from 100-yr 0

Other benefits Annual ecosystem services benefits of \$20,673,627. Reduction in # of road closures over 10 years -

## Impacts

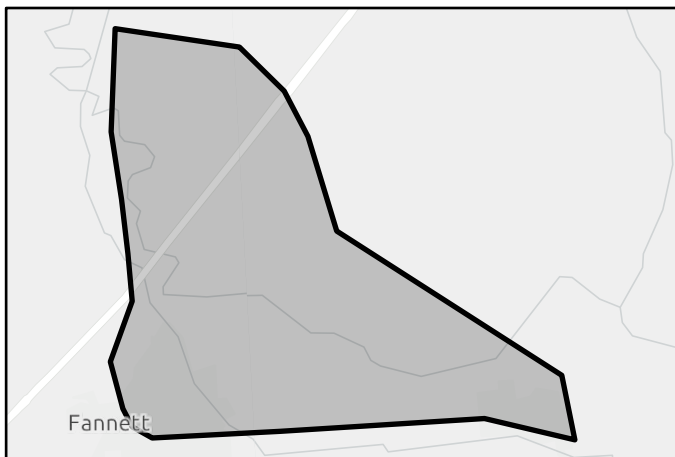
Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

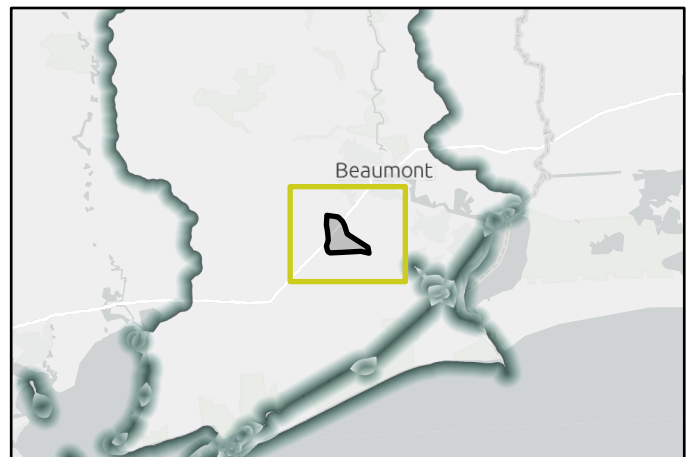
## Estimated Cost

Project Cost \$85,000,000 % Nature-Based - BCR 5

Recurring costs \$6,144,283 Issues USACE coordination may be required due to presence of wetlands. Survey may be required to avoid existing utility conflicts from nearby residential and industrial properties.



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title Bessie Heights Drainage Ditch Extension Project  
 ID# 053000002 Sponsor Orange County Drainage District  
 RFPG recommend? Yes Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

## Project Description

Expand the Bessie Heights Drainage Ditch to address flooding risk to residential properties in the area.

Watershed HUC# (if known) 120200030407 Emergency Need? Yes  
 Drainage area (mi<sup>2</sup> est.) 3  
 Associated FME's 999999 County Orange  
 Associated FMS's 999999 Associated FMP's 999999

## Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No  
 Population at risk 207 # of structures 139 Critical facilities 0  
 Farm/Ranch land impacted (acres) 6 Roadway(s) impacted (length) 3  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

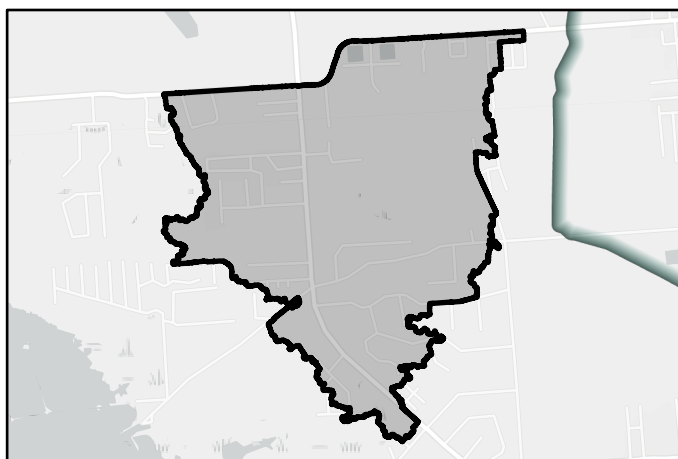
Population removed from 100-yr 10 # of structures removed from 100-yr 8  
 Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 0  
 Road removed from 100-yr (miles) 0 Low water crossings removed from 100-yr 0  
 Other benefits N/A Reduction in # of road closures over 10 years -

## Impacts

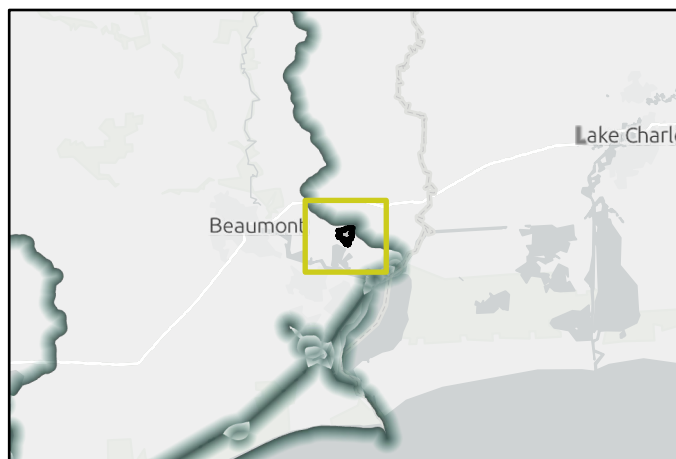
Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Project Cost \$4,250,000 % Nature-Based - BCR 0  
 Recurring costs \$307,214 Issues Project is located in a concentrated area of residential buildings. Coordination is likely required with the city and local residents for construction operations.



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title **Port Arthur and Vicinity Coastal Storm Risk Management Project**

ID# **053000004** Sponsor **Jefferson County Drainage District 7**

RFPG recommend? **Yes** Reason for Recommendation **Project in area of emergency need and complies with RFPG Goals**

## Project Description

Construct levees, floodwalls, pump stations, drainage structures, and other flood mitigation infrastructure to reduce adverse flood impact in the vicinity of the city of Port Arthur.

Watershed HUC# (if known) **120200030407,120402010300** Emergency Need? **Yes**

Drainage area (mi<sup>2</sup> est.) **66**

Associated FME's **999999** County **Jefferson**

Associated FMS's **999999** Associated FMP's **999999**

## Existing 100-Year Flood Risk

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

Population at risk **49,671** # of structures **23,310** Critical facilities **1,201**

Farm/Ranch land impacted (acres) **97** Roadway(s) impacted (length) **327**

Number of low water crossings **3** Historical road closures **3**

## 100-Year Flood Risk Reduction

Population removed from 100-yr **8,315** # of structures removed from 100-yr **3,275**

Critical facilities removed from 100-yr **71** Farm/Ranch land removed from 100-yr (acres) **12**

Road removed from 100-yr (miles) **32** Low water crossings removed from 100-yr **0**

Other benefits **N/A** Reduction in # of road closures over 10 years **-**

## Impacts

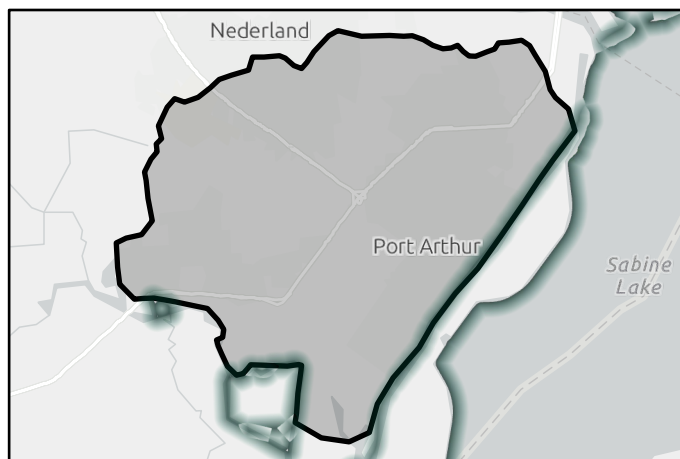
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

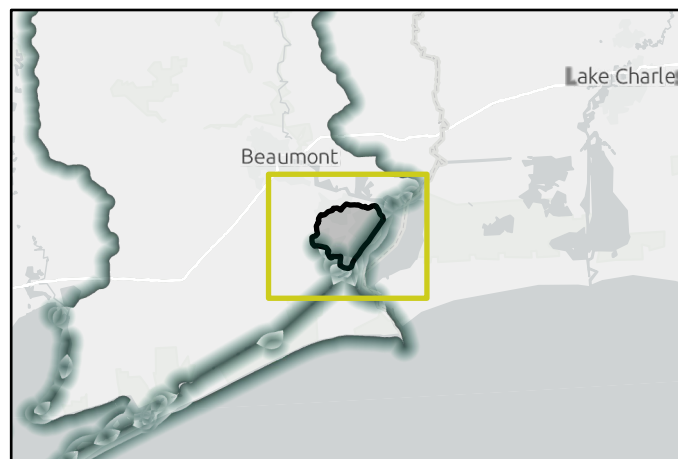
## Estimated Cost

Project Cost **\$863,000,000** % Nature-Based **-** BCR **5**

Recurring costs **\$40,841,408** Issues **There are industrial facilities and residential properties near the project; project may change in design to avoid right-of-way infringements and existing utility conflicts.**



FMP area



Regional view of FMP area



# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title Orange County Coastal Storm Risk Management Project  
 ID# 053000005 Sponsor Orange County Drainage District  
 RFPG recommend? Yes Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

## Project Description

Construct levees, floodwalls, pump stations, drainage structures, and other flood mitigation infrastructure to reduce adverse flood impact in Orange County.

Watershed HUC# (if known) 120200030407,120100051005,12010005100 Emergency Need? Yes  
 Drainage area (mi<sup>2</sup> est.) 14  
 Associated FME's 999999 County Orange  
 Associated FMS's 999999 Associated FMP's 999999

## Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No  
 Population at risk 6,708 # of structures 3,872 Critical facilities 49  
 Farm/Ranch land impacted (acres) 43 Roadway(s) impacted (length) 61  
 Number of low water crossings 1 Historical road closures 1

## 100-Year Flood Risk Reduction

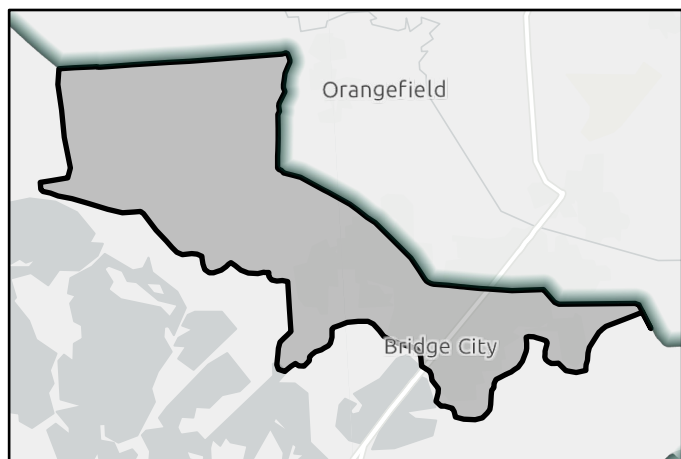
Population removed from 100-yr 357 # of structures removed from 100-yr 201  
 Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 2  
 Road removed from 100-yr (miles) 2 Low water crossings removed from 100-yr 0  
 Other benefits N/A Reduction in # of road closures over 10 years -

## Impacts

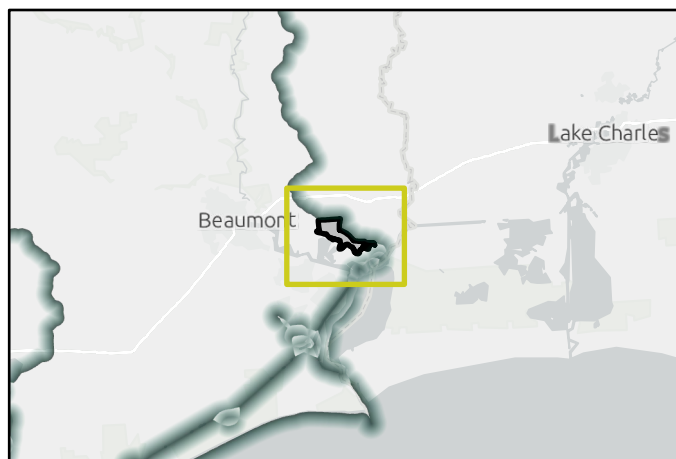
Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Project Cost \$119,900,000 % Nature-Based - BCR 1  
 Recurring costs \$173,485,632 Issues There are industrial facilities and residential properties near the project; project may change in design to avoid right-of-way infringements and existing utility conflicts.



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Project Description

Construct a detention pond and install a diversion to be placed near the decommissioned Hogg Middle School within the city of Tyler.

Watershed HUC# (if known)  Emergency Need?

Drainage area (mi<sup>2</sup> est.)

Associated FME's  County

Associated FMS's  Associated FMP's

## Existing 100-Year Flood Risk

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

Population at risk  # of structures  Critical facilities

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

## Impacts

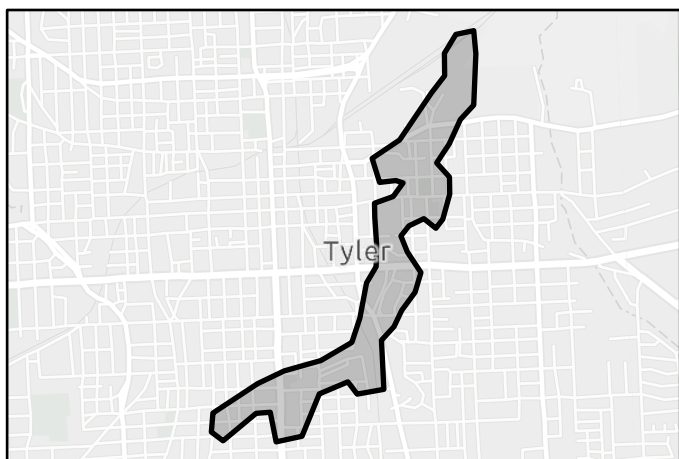
Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

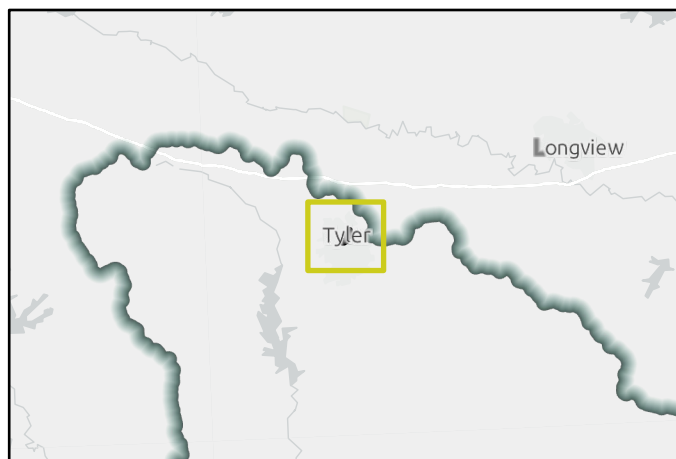
## Estimated Cost

Project Cost  % Nature-Based  BCR

Recurring costs  Issues



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title **Sandy Creek Improvement Project**

ID# **053000007** Sponsor **Jasper (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Project in area of emergency need and complies with RFPG Goals**

## Project Description

The project includes two new detention basins located along Sandy Creek to mitigate flooding historically experienced by the City of Jasper.

Watershed HUC# (if known) **120200030205,120200030301,12020005080** Emergency Need? **Yes**

Drainage area (mi<sup>2</sup> est.) **8**

Associated FME's **999999** County **Jasper**

Associated FMS's **999999** Associated FMP's **999999**

## Existing 100-Year Flood Risk

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

Population at risk **2,199** # of structures **279** Critical facilities **10**

Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **13**

Number of low water crossings **2** Historical road closures **2**

## 100-Year Flood Risk Reduction

Population removed from 100-yr **160** # of structures removed from 100-yr **16**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **0**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits **N/A** Reduction in # of road closures over 10 years **-**

## Impacts

Negative impacts? **No** Negative impacts description **-**

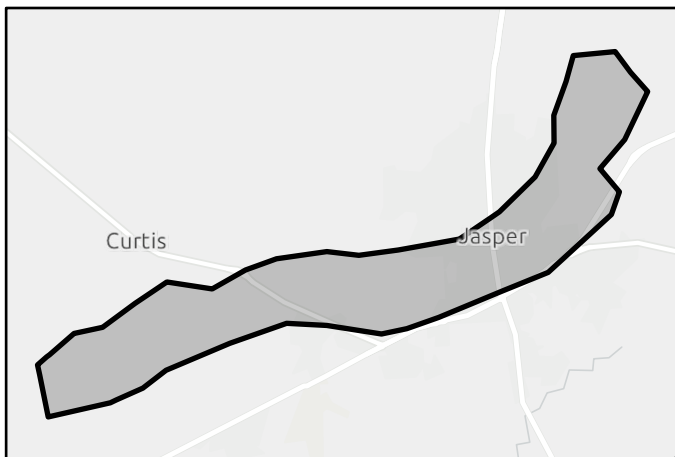
Water supply contributions? **No** Water supply contribution description **-**

## Estimated Cost

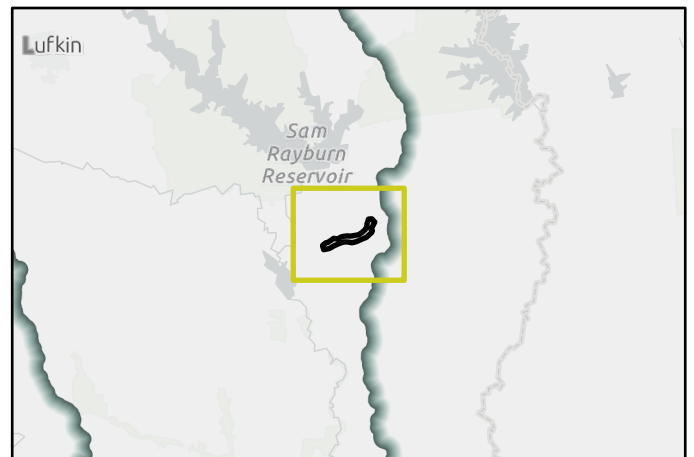
Project Cost **\$224,924,330** % Nature-Based **-** BCR **0**

Recurring costs **\$12,000**

Issues **The project area is located in a "flood valley" where there are significant elevation changes as you move closer to the more developed parts of the city. Substantial improvements will have to be implemented to affect any**



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title Sour Lake Channel Improvements

ID# 053000008 Sponsor Hardin (County)

RFPG recommend? Yes Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

## Project Description

The project proposes a new diversion channel through Sour Lake, providing a path for runoff from the West to the East.

Watershed HUC# (if known) 120200070104,120200070105,120200070111 Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 45

Associated FME's 999999 County Hardin,Jefferson,Liberty

Associated FMS's 999999 Associated FMP's 999999

## Existing 100-Year Flood Risk

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

Population at risk 2,565 # of structures 1,106 Critical facilities 23

Farm/Ranch land impacted (acres) 2,306 Roadway(s) impacted (length) 30

Number of low water crossings 3 Historical road closures 3

## 100-Year Flood Risk Reduction

Population removed from 100-yr 515 # of structures removed from 100-yr 59

Critical facilities removed from 100-yr 1 Farm/Ranch land removed from 100-yr (acres) 6

Road removed from 100-yr (miles) 2 Low water crossings removed from 100-yr 0

Other benefits N/A Reduction in # of road closures over 10 years -

## Impacts

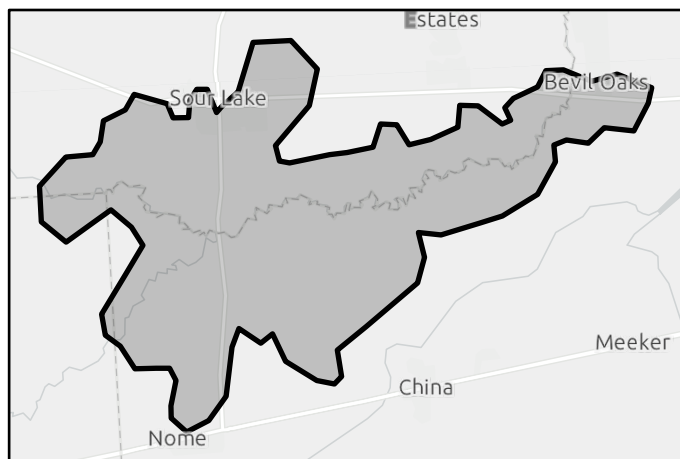
Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

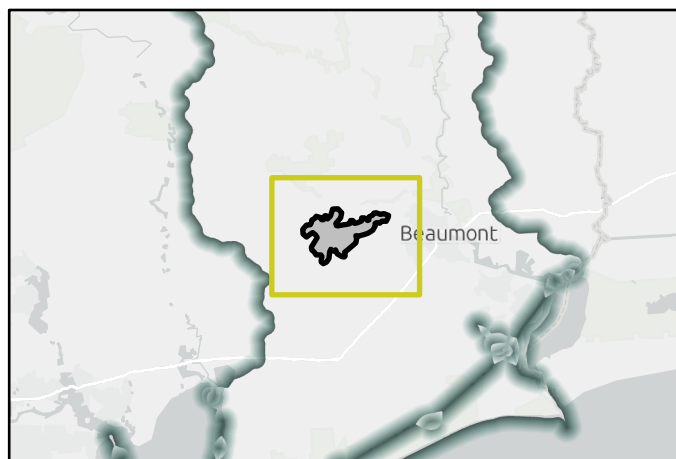
## Estimated Cost

Project Cost \$63,303,926 % Nature-Based - BCR 0

Recurring costs \$12,000 N/A Issues



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title **Rosedale Improvement System**

ID# **053000009** Sponsor **Jefferson County Drainage District 6**

RFPG recommend? **Yes** Reason for Recommendation **Project in area of emergency need and complies with RFPG Goals**

## Project Description

The project proposes widening and deepening of existing channels upstream of the LNVA canal, a diversion channel to the Neches River, and detention basins, near the Rosedale Acres community.

Watershed HUC# (if known)	120200070205,120200070302,12020007030	Emergency Need?	Yes
		Drainage area (mi <sup>2</sup> est.)	13
Associated FME's	999999	County	Hardin,Jefferson
Associated FMS's	999999	Associated FMP's	999999

## Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Population at risk	3,022	# of structures	1,697	Critical facilities	6
Farm/Ranch land impacted (acres)	398	Roadway(s) impacted (length)	29		
Number of low water crossings	1	Historical road closures	1		

## 100-Year Flood Risk Reduction

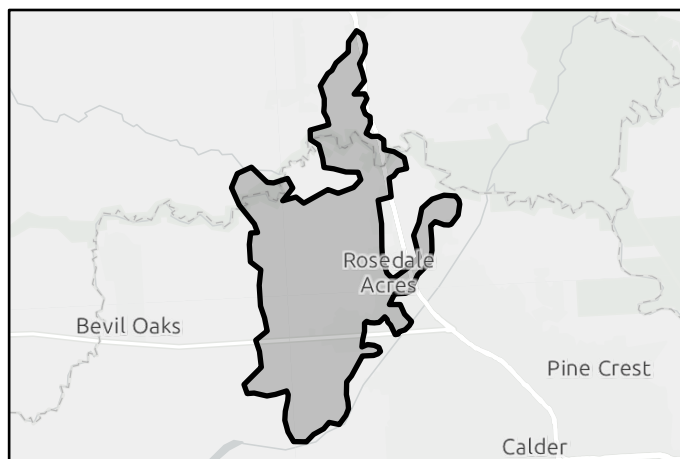
Population removed from 100-yr	421	# of structures removed from 100-yr	194
Critical facilities removed from 100-yr	4	Farm/Ranch land removed from 100-yr (acres)	21
Road removed from 100-yr (miles)	3	Low water crossings removed from 100-yr	0
Other benefits	N/A	Reduction in # of road closures over 10 years	-

## Impacts

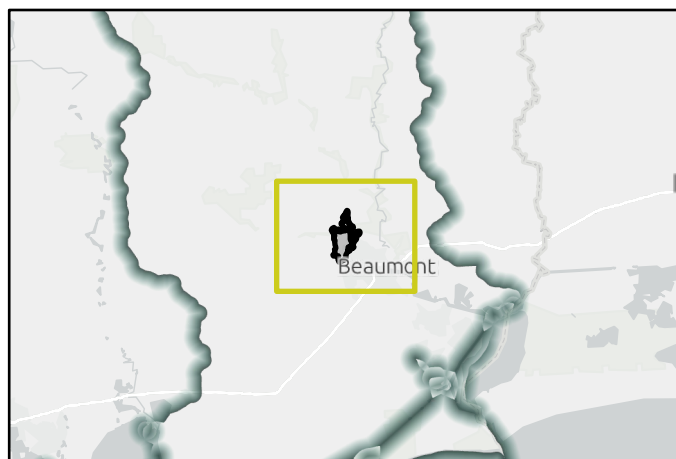
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Project Cost	\$308,620,428	% Nature-Based	-	BCR	0
Recurring costs	\$12,000	Issues	Project is located next to a concentration of existing development and is adjacent to a major highway. Coordination will likely be required with multiple agencies for construction operations.		



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title **Nome Conveyance Improvements**  
 ID# **053000010** Sponsor **Jefferson County Drainage District 6**  
 RFPG recommend? **Yes** Reason for Recommendation **Project in area of emergency need and complies with RFPG Goals**

## Project Description

The project proposes an improvement system consisting of channelization along Cotton Creek and an off-line detention basin to mitigate impacts.

Watershed HUC# (if known) **120200070110,120200070201,12040201010** Emergency Need? **Yes**  
 Drainage area (mi<sup>2</sup> est.) **10**  
 Associated FME's **999999** County **Jefferson,Liberty**  
 Associated FMS's **999999** Associated FMP's **999999**

## Existing 100-Year Flood Risk

Flood risk type: Riverine? **Yes** Coastal? **Yes** Local? **Yes** Playa? **No** Other? **No**  
 Population at risk **248** # of structures **277** Critical facilities **0**  
 Farm/Ranch land impacted (acres) **1,399** Roadway(s) impacted (length) **12**  
 Number of low water crossings **0** Historical road closures **0**

## 100-Year Flood Risk Reduction

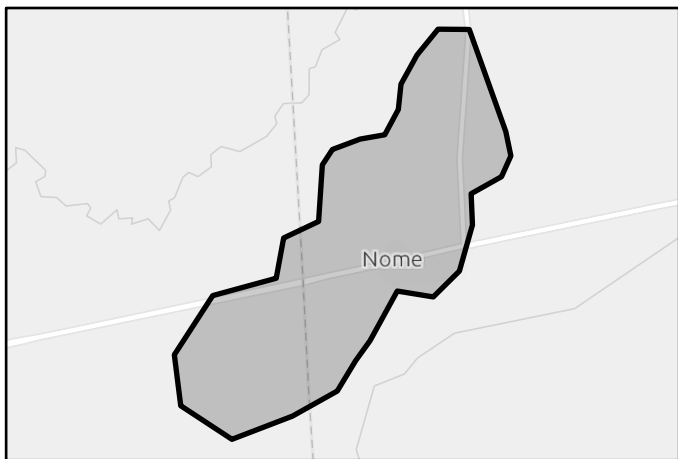
Population removed from 100-yr **11** # of structures removed from 100-yr **11**  
 Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **3**  
 Road removed from 100-yr (miles) **1** Low water crossings removed from 100-yr **0**  
 Other benefits **N/A** Reduction in # of road closures over 10 years **-**

## Impacts

Negative impacts? **No** Negative impacts description **-**  
 Water supply contributions? **No** Water supply contribution description **-**

## Estimated Cost

Project Cost **\$163,293,623** % Nature-Based **-** BCR **0**  
 Recurring costs **\$12,000** Issues **N/A**



FMP area



Regional view of FMP area



# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title Pevitot Gully Improvement System  
 ID# 053000011 Sponsor Jefferson County Drainage District 6  
 RFPG recommend? Yes Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

## Project Description

The project proposes an improvement system consisting of offline detention basins and channelization along Pevitot Gully.

Watershed HUC# (if known) 120402010200 Emergency Need? Yes  
 Drainage area (mi<sup>2</sup> est.) 11  
 Associated FME's 999999 County Jefferson  
 Associated FMS's 999999 Associated FMP's 999999

## Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No  
 Population at risk 1,652 # of structures 287 Critical facilities 1  
 Farm/Ranch land impacted (acres) 935 Roadway(s) impacted (length) 15  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

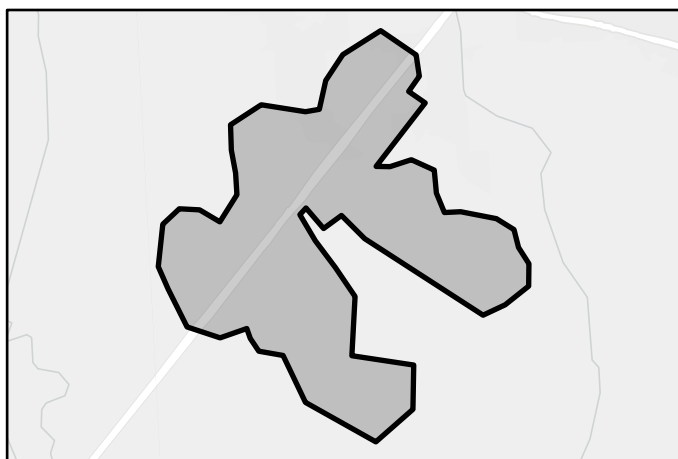
Population removed from 100-yr 245 # of structures removed from 100-yr 27  
 Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 13  
 Road removed from 100-yr (miles) 4 Low water crossings removed from 100-yr 0  
 Other benefits N/A Reduction in # of road closures over 10 years -

## Impacts

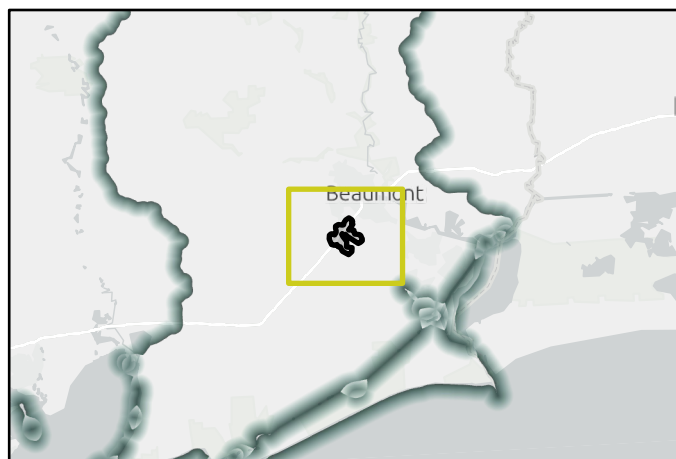
Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Project Cost \$319,970,815 % Nature-Based - BCR 0  
 Recurring costs \$12,000 Issues Project is located next to a concentration of existing development and is adjacent to a major highway. Coordination will likely be required with multiple agencies for construction operations.



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title Willow Marsh Bayou Phelan Blvd Detention

ID# 053000012 Sponsor Jefferson County Drainage District 6

RFPG recommend? Yes Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

## Project Description

The project proposes an improvement system consisting of in-line detention basins and channelization along Willow Marsh from Phenlan Blvd to Highway 90.

Watershed HUC# (if known) 120402010100,120402010200 Emergency Need? Yes  
 Drainage area (mi<sup>2</sup> est.) 4  
 Associated FME's 999999 County Jefferson  
 Associated FMS's 999999 Associated FMP's 999999

## Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No  
 Population at risk 417 # of structures 378 Critical facilities g  
 Farm/Ranch land impacted (acres) 231 Roadway(s) impacted (length) 6  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

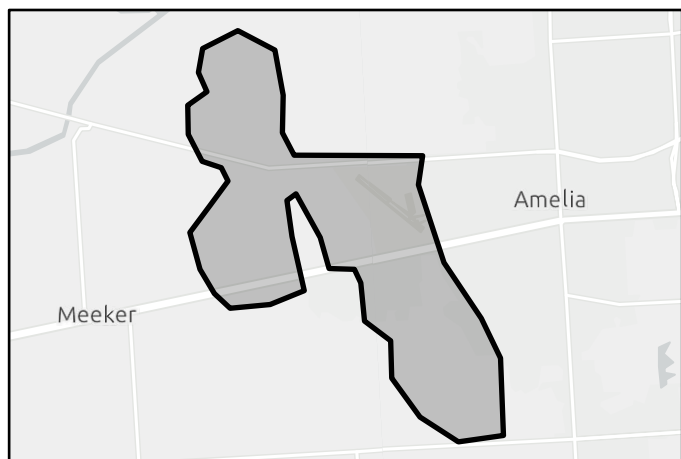
Population removed from 100-yr 35 # of structures removed from 100-yr 14  
 Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 5  
 Road removed from 100-yr (miles) 1 Low water crossings removed from 100-yr 0  
 Other benefits N/A Reduction in # of road closures over 10 years -

## Impacts

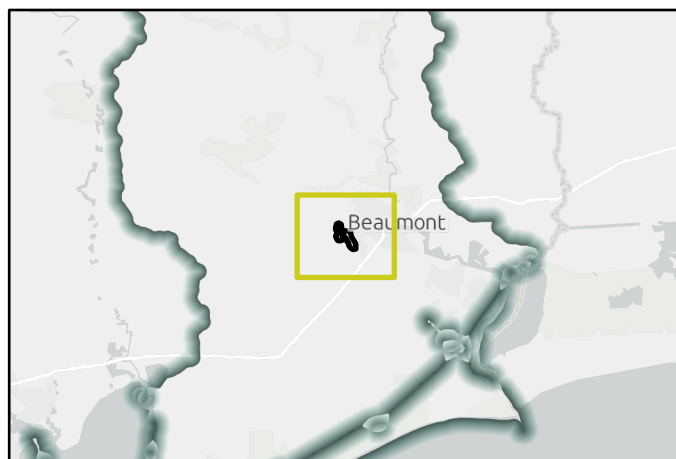
Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Project Cost \$203,869,200 % Nature-Based - BCR 0  
 Recurring costs \$12,000 Issues Project is located in a concentrated area of residential buildings. Coordination is likely required with the city and local residents for construction operations.



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title Willow Marsh Main Improvement System  
 ID# 053000013 Sponsor Jefferson County Drainage District 6  
 RFPG recommend? Yes Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

## Project Description

The project proposes an improvement system consisting of off-line detention basins and channelization along Willow Marsh from Highway 90 to South Major Dr.

Watershed HUC# (if known) 120402010100,120402010200,12040201030 Emergency Need? Yes  
 Drainage area (mi<sup>2</sup> est.) 98  
 Associated FME's 999999 County Jefferson  
 Associated FMS's 999999 Associated FMP's 999999

## Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No  
 Population at risk 7,544 # of structures 3,853 Critical facilities 35  
 Farm/Ranch land impacted (acres) 5,564 Roadway(s) impacted (length) 85  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

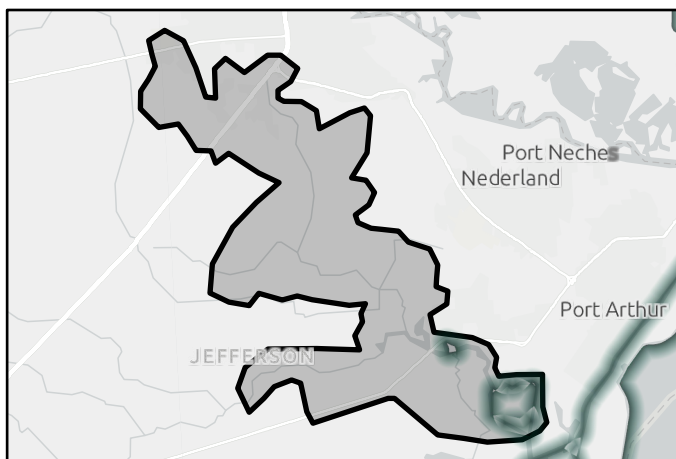
Population removed from 100-yr 239 # of structures removed from 100-yr 102  
 Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 8  
 Road removed from 100-yr (miles) 8 Low water crossings removed from 100-yr 0  
 Other benefits N/A Reduction in # of road closures over 10 years -

## Impacts

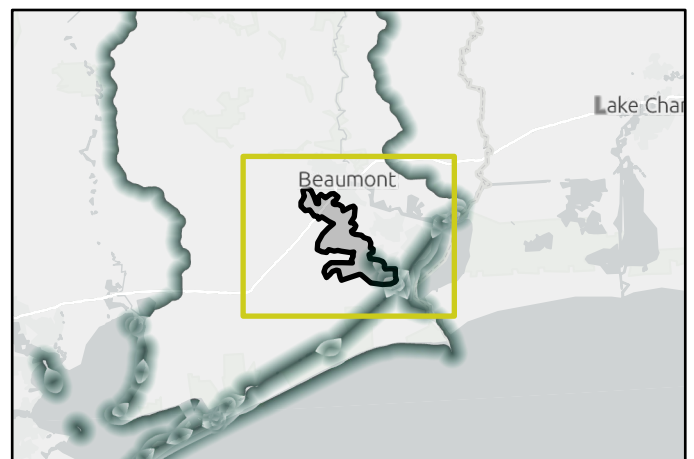
Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Project Cost \$1,136,334,277 % Nature-Based - BCR 0  
 Recurring costs \$12,000 Issues Project is located next to a concentration of existing development and is adjacent to a major highway. Coordination will likely be required with multiple agencies for construction operations.



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title Willow Marsh Downstream  
 ID# 053000014 Sponsor Jefferson County Drainage District 6  
 RFPG recommend? Yes Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

## Project Description

The project proposes an improvement system consisting of off-line detention basins and channelization along Willow Marsh from South Major Dr to Hillebrandt Bayou.

Watershed HUC# (if known) 120402010200 Emergency Need? Yes  
 Drainage area (mi<sup>2</sup> est.) 9  
 Associated FME's 999999 County Jefferson  
 Associated FMS's 999999 Associated FMP's 999999

## Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No  
 Population at risk 2,390 # of structures 606 Critical facilities 4  
 Farm/Ranch land impacted (acres) 163 Roadway(s) impacted (length) 19  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

Population removed from 100-yr 96 # of structures removed from 100-yr 25  
 Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 2  
 Road removed from 100-yr (miles) 4 Low water crossings removed from 100-yr 0  
 Other benefits N/A Reduction in # of road closures over 10 years -

## Impacts

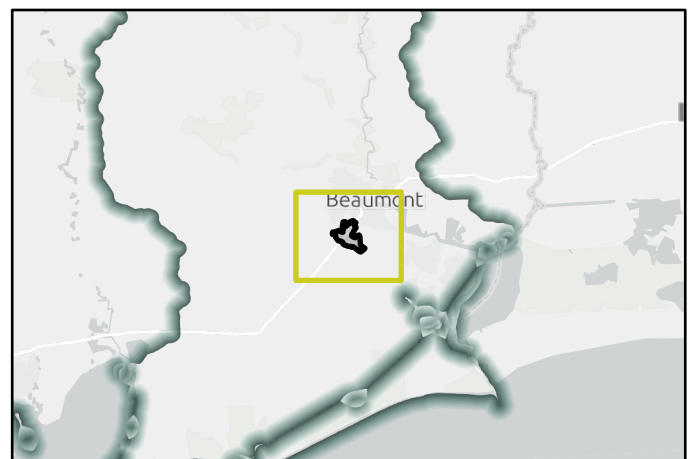
Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Project Cost \$118,142,723 % Nature-Based - BCR 0  
 Recurring costs \$12,000 Issues Project is located next to a concentration of existing development and is adjacent to a major highway. Coordination will likely be required with multiple agencies for construction operations.



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title Tyrrell Park Improvements  
 ID# 053000015 Sponsor Jefferson County Drainage District 6  
 RFPG recommend? Yes Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

## Project Description

The project proposes a new channel alignment across Tyrrell Park to an existing channel that outfalls into Hillebrandt Bayou; to gain the full benefits the project should be accompanied by improvements of roadside ditches in adjacent neighborhoods.

Watershed HUC# (if known) 120402010200 Emergency Need? Yes  
 Drainage area (mi<sup>2</sup> est.) 2  
 Associated FME's 999999 County Jefferson  
 Associated FMS's 999999 Associated FMP's 999999

## Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No  
 Population at risk 576 # of structures 503 Critical facilities 0  
 Farm/Ranch land impacted (acres) 17 Roadway(s) impacted (length) 7  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

Population removed from 100-yr 82 # of structures removed from 100-yr 18  
 Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 0  
 Road removed from 100-yr (miles) 1 Low water crossings removed from 100-yr 0  
 Other benefits N/A Reduction in # of road closures over 10 years -

## Impacts

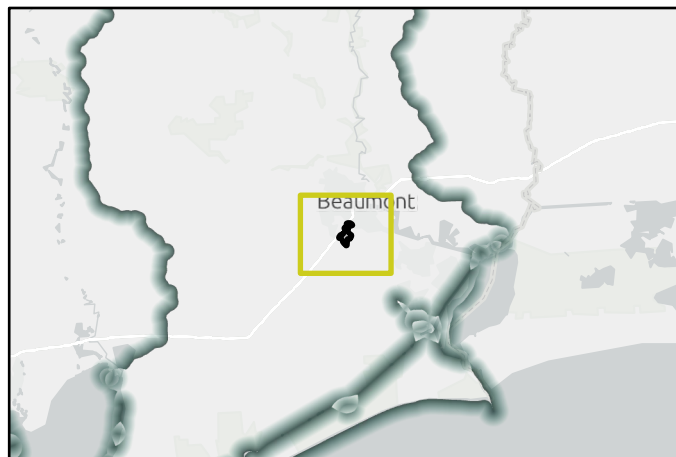
Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Project Cost \$25,095,036 % Nature-Based - BCR 0  
 Recurring costs \$12,000 N/A Issues



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Project Description

The project proposes a diversion of storm runoff into the Green Pond detention facility via construction of a berm and spillway across Channel 505-B east of the Green Pond facility. Channel improvements are also included.

Watershed HUC# (if known) <input type="text" value="120402010100"/>	Emergency Need? <input type="text" value="Yes"/>
Associated FME's <input type="text" value="999999"/>	Drainage area (mi <sup>2</sup> est.) <input type="text" value="4"/>
Associated FMS's <input type="text" value="999999"/>	County <input type="text" value="Jefferson"/>
	Associated FMP's <input type="text" value="999999"/>

## Existing 100-Year Flood Risk

Flood risk type: Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Population at risk <input type="text" value="362"/>	# of structures <input type="text" value="263"/>	Critical facilities <input type="text" value="0"/>		
Farm/Ranch land impacted (acres) <input type="text" value="90"/>	Roadway(s) impacted (length) <input type="text" value="7"/>			
Number of low water crossings <input type="text" value="0"/>	Historical road closures <input type="text" value="0"/>			

## 100-Year Flood Risk Reduction

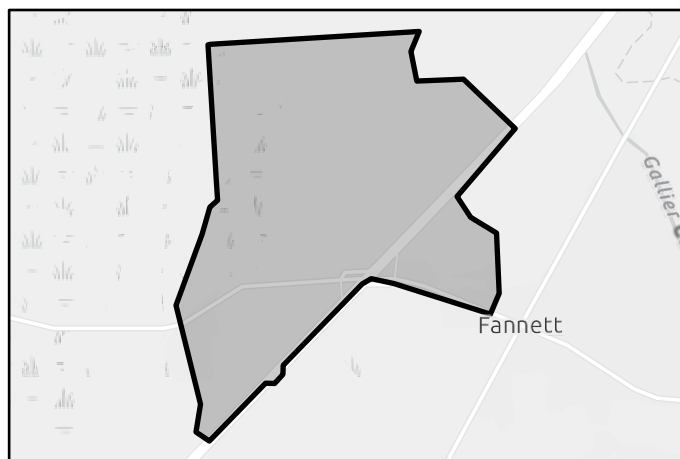
Population removed from 100-yr <input type="text" value="64"/>	# of structures removed from 100-yr <input type="text" value="43"/>
Critical facilities removed from 100-yr <input type="text" value="0"/>	Farm/Ranch land removed from 100-yr (acres) <input type="text" value="27"/>
Road removed from 100-yr (miles) <input type="text" value="3"/>	Low water crossings removed from 100-yr <input type="text" value="0"/>
Other benefits <input type="text" value="N/A"/>	Reduction in # of road closures over 10 years <input type="text" value="-"/>

## Impacts

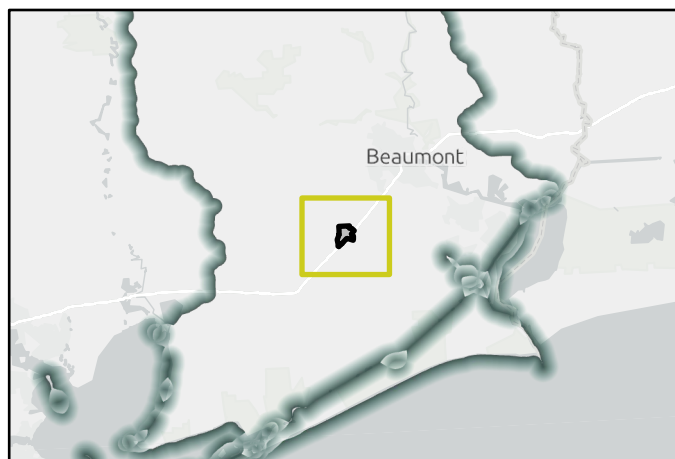
Negative impacts? <input type="text" value="No"/>	Negative impacts description <input type="text" value="-"/>
Water supply contributions? <input type="text" value="No"/>	Water supply contribution description <input type="text" value="-"/>

## Estimated Cost

Project Cost <input type="text" value="\$7,779,088"/>	% Nature-Based <input type="text" value="-"/>	BCR <input type="text" value="0"/>
Recurring costs <input type="text" value="\$12,000"/>	Project is located next to a concentration of residential buildings. Coordination Issues is likely required with local residents for construction operations.	



FMP area



Regional view of FMP area



# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title	Lucas/Delaware Diversion		
ID#	053000017	Sponsor	Jefferson County Drainage District 6
RFPG recommend? Yes		Reason for Recommendation	Project in area of emergency need and complies with RFPG Goals

## Project Description

The project includes storm sewer improvements that divert flow away from DD6 channels 100 and 122 to be redirected to instead flow to channel 010 near Charles Street before ultimately discharging into the Neches River.

Watershed HUC# (if known)	120200030405,120402010200	Emergency Need?	Yes
Associated FME's	999999	Drainage area (mi <sup>2</sup> est.)	9
Associated FMS's	999999	County	Jefferson
		Associated FMP's	999999

## Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Population at risk	14,543	# of structures	5,231	Critical facilities	27
Farm/Ranch land impacted (acres)	2	Roadway(s) impacted (length)	84		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

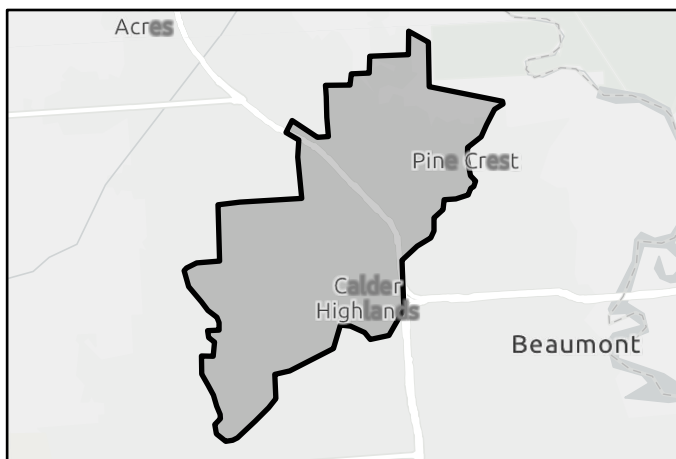
Population removed from 100-yr	2,845	# of structures removed from 100-yr	595
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	5	Low water crossings removed from 100-yr	0
Other benefits	N/A	Reduction in # of road closures over 10 years	-

## Impacts

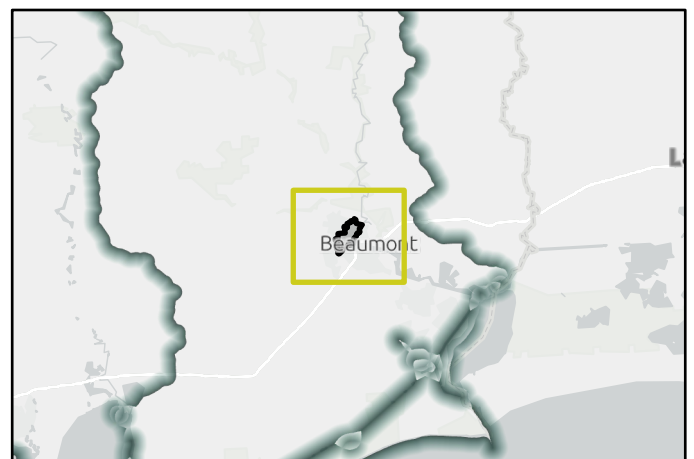
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Project Cost	\$130,286,230	% Nature-Based	-	BCR	0
Recurring costs	\$12,000	Issues	There is a high density of development near the project location. Transportation to project site could be hampered and work may have to be done surveying land to prevent negatively impacting existing utilities.		



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title South Park Diversion  
 ID# 053000018 Sponsor Jefferson County Drainage District 6  
 RFPG recommend? Yes Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

## Project Description

The project includes storm sewer improvements that divert flow away from DD6 channels 104 and 104-B to be redirected to the Neches River.

Watershed HUC# (if known) 120200030406,120402010200 Emergency Need? Yes  
 Drainage area (mi<sup>2</sup> est.) 2  
 Associated FME's 999999 County Jefferson  
 Associated FMS's 999999 Associated FMP's 999999

## Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No  
 Population at risk 4,303 # of structures 1,367 Critical facilities 16  
 Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (length) 21  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

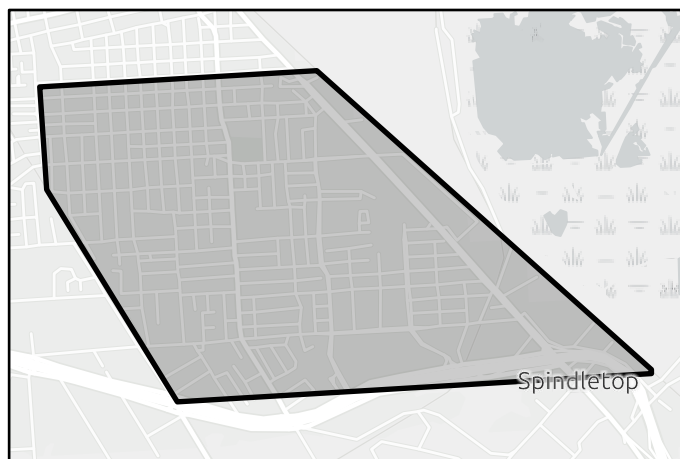
Population removed from 100-yr 1,225 # of structures removed from 100-yr 373  
 Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 0  
 Road removed from 100-yr (miles) 4 Low water crossings removed from 100-yr 0  
 Other benefits N/A Reduction in # of road closures over 10 years -

## Impacts

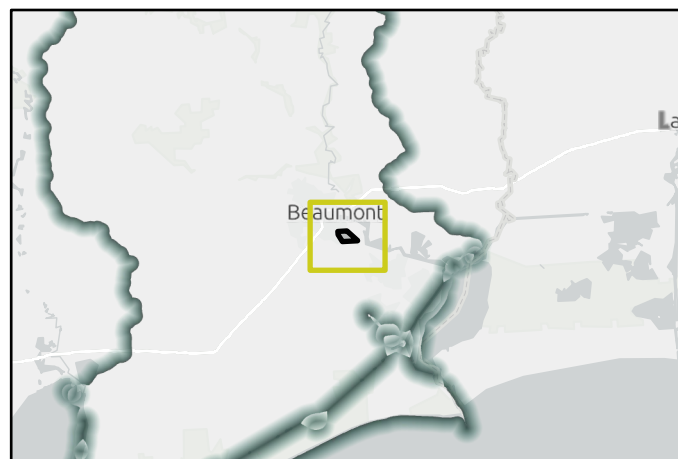
Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Project Cost \$99,908,750 % Nature-Based - BCR 0  
 Recurring costs \$12,000  
 Issues There is a high density of development near the project location. Transportation to project site could be hampered and work may have to be done surveying land to prevent negatively impacting existing utilities.



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title	Tevis Diversion		
ID#	053000019	Sponsor	Jefferson County Drainage District 6
RFPG recommend? Yes		Reason for Recommendation	Project in area of emergency need and complies with RFPG Goals

## Project Description

This project includes storm sewer improvements that divert flow away from DD6 channel 115 to be redirected to the Neches River.

Watershed HUC# (if known)	120200030405,120200030406,12040201020	Emergency Need?	Yes
		Drainage area (mi <sup>2</sup> est.)	1
Associated FME's	999999	County	Jefferson
Associated FMS's	999999	Associated FMP's	999999

## Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Population at risk	6,744	# of structures	712	Critical facilities	15
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (length)	18		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

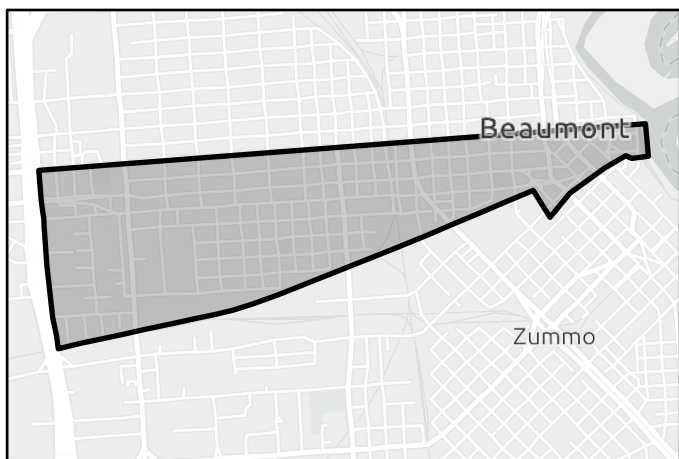
Population removed from 100-yr	1,986	# of structures removed from 100-yr	394
Critical facilities removed from 100-yr	7	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	5	Low water crossings removed from 100-yr	0
Other benefits	N/A	Reduction in # of road closures over 10 years	-

## Impacts

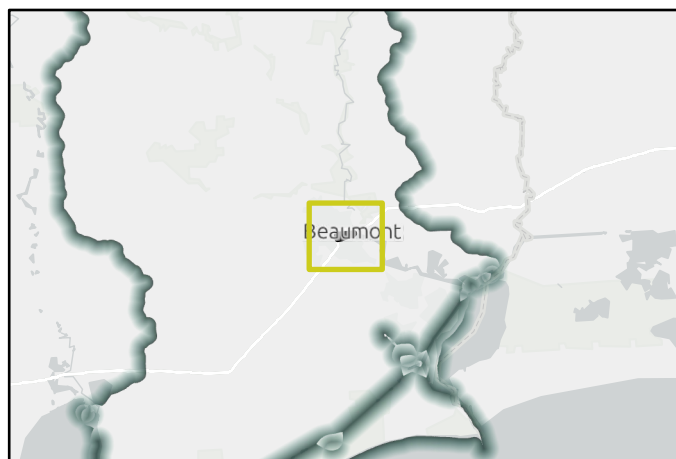
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Project Cost	\$97,327,200	% Nature-Based	-	BCR	0
Recurring costs	\$12,000	Issues	There is a high density of development near the project location. Transportation to project site could be hampered and work may have to be done surveying land to prevent negatively impacting existing utilities.		



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title	Blanchette Diversion		
ID#	053000020	Sponsor	Jefferson County Drainage District 6
RFPG recommend? Yes		Reason for Recommendation	Project in area of emergency need and complies with RFPG Goals

## Project Description

The project proposes storm sewer improvements that divert flow away from existing channels to be redirected to the Neches River at a proposed outfall location near Blanchette Street.

Watershed HUC# (if known)	120200030406,120402010200	Emergency Need?	Yes
Associated FME's	999999	Drainage area (mi <sup>2</sup> est.)	2
Associated FMS's	999999	County	Jefferson
		Associated FMP's	999999

## Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Population at risk	3,737	# of structures	1,548	Critical facilities	6
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (length)	38		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

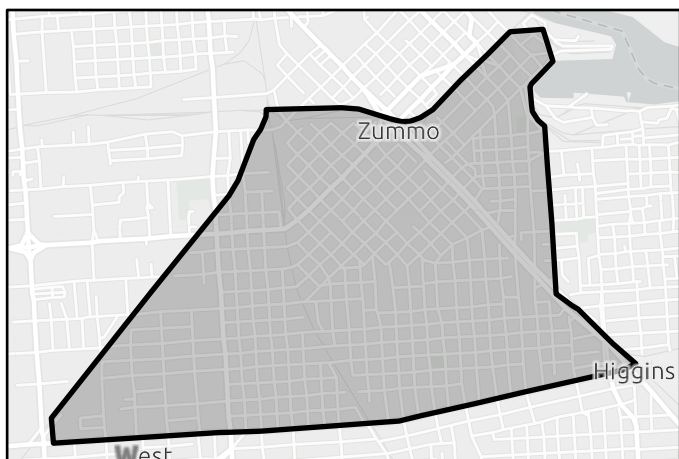
Population removed from 100-yr	2,005	# of structures removed from 100-yr	550
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	11	Low water crossings removed from 100-yr	0
Other benefits	N/A	Reduction in # of road closures over 10 years	-

## Impacts

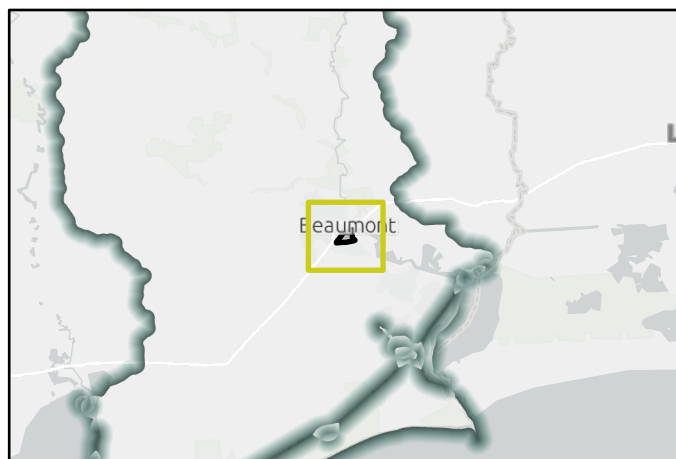
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Project Cost	\$99,173,000	% Nature-Based	-	BCR	1
Recurring costs	\$12,000	Issues	There is a high density of development near the project location. Transportation to project site could be hampered and work may have to be done surveying land to prevent negatively impacting existing utilities.		



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title Tyrrell Park Detention  
 ID# 053000021 Sponsor Jefferson County Drainage District 6  
 RFPG recommend? Yes Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

## Project Description

The project consists of installing eight new detention basins to increase capacity to existing storm sewer and provide storage during extreme rainfall events.

Watershed HUC# (if known) 120402010200 Emergency Need? Yes  
 Drainage area (mi<sup>2</sup> est.) 10  
 Associated FME's 999999 County Jefferson  
 Associated FMS's 999999 Associated FMP's 999999

## Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No  
 Population at risk 331 # of structures 283 Critical facilities 0  
 Farm/Ranch land impacted (acres) 77 Roadway(s) impacted (length) 6  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

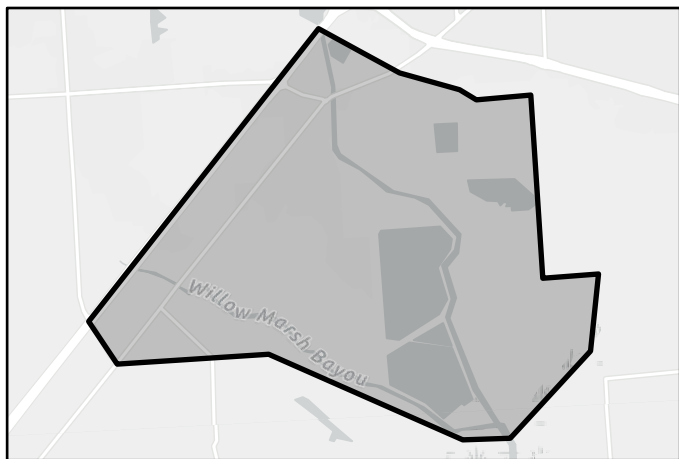
Population removed from 100-yr 331 # of structures removed from 100-yr 231  
 Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 1  
 Road removed from 100-yr (miles) 4 Low water crossings removed from 100-yr 0  
 Other benefits N/A Reduction in # of road closures over 10 years -

## Impacts

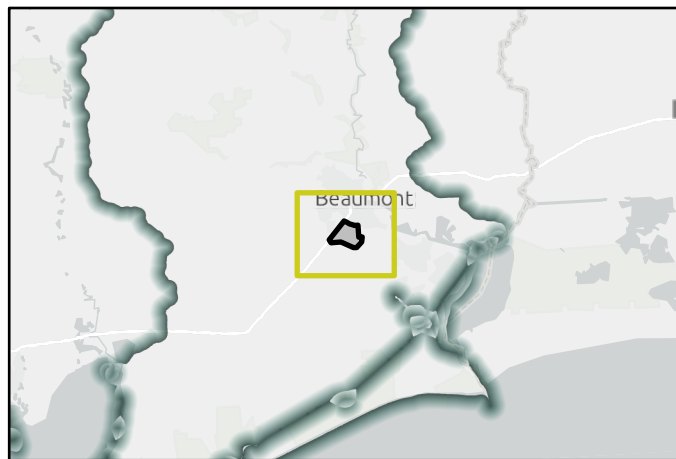
Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Project Cost \$187,974,220 % Nature-Based - BCR 0  
 Recurring costs \$12,000  
 Issues The project area is located near a major highway that services traffic coming both in and out of the city of Beaumont. Coordination with TxDOT to prevent conflicts may be necessary.



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title	Virginia Street Detention		
ID#	053000022	Sponsor	Jefferson County Drainage District 6
RFPG recommend? Yes		Reason for Recommendation	Project in area of emergency need and complies with RFPG Goals

## Project Description

The project consists of storm sewer improvements and the construction of new detention ponds to provide increased capacity to the existing storm sewer system. Improvements primarily located at the southern edge of Beaumont near US-287 N.

Watershed HUC# (if known)	120402010200	Emergency Need?	Yes
Associated FME's	999999	Drainage area (mi <sup>2</sup> est.)	1
Associated FMS's	999999	County	Jefferson
		Associated FMP's	999999

## Existing 100-Year Flood Risk

Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Population at risk	1,138	# of structures	376	Critical facilities	0
Farm/Ranch land impacted (acres)	2	Roadway(s) impacted (length)	10		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

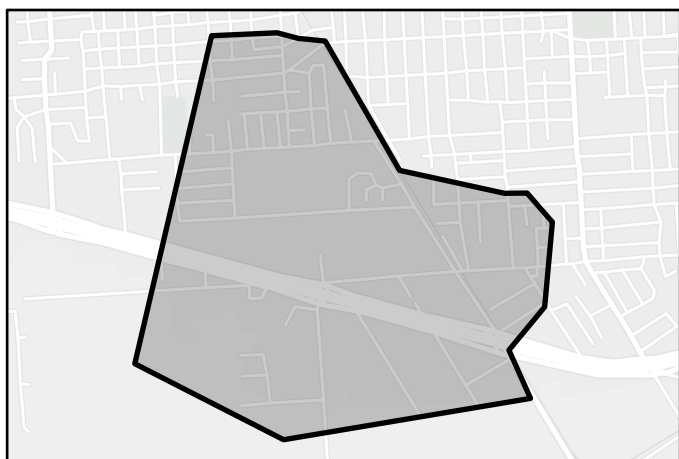
Population removed from 100-yr	689	# of structures removed from 100-yr	199
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	3	Low water crossings removed from 100-yr	0
Other benefits	N/A	Reduction in # of road closures over 10 years	-

## Impacts

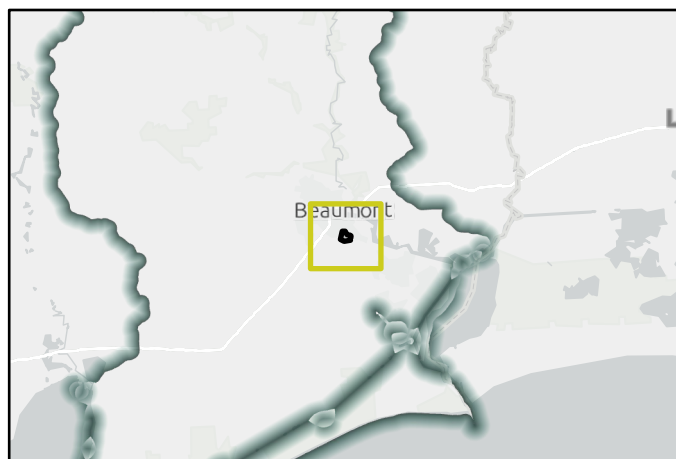
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Project Cost	\$9,751,456	% Nature-Based	-	BCR	3
Recurring costs	\$9,000	Issues	N/A		



FMP area



Regional view of FMP area



# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title Delaware Hilcorp Detention Diversion  
 ID# 053000023 Sponsor Jefferson County Drainage District 6  
 RFPG recommend? Yes Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

## Project Description

Construct two detention ponds near Delaware Street that outfall to DD6 Ditch 121 and Hillebrandt Bayou. Ponds to be accompanied by storm sewer improvements to aid in redirecting flow.

Watershed HUC# (if known) 120402010200 Emergency Need? Yes  
 Drainage area (mi<sup>2</sup> est.) 2  
 Associated FME's 999999 County Jefferson  
 Associated FMS's 999999 Associated FMP's 999999

## Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No  
 Population at risk 3,729 # of structures 1,496 Critical facilities 7  
 Farm/Ranch land impacted (acres) 1 Roadway(s) impacted (length) 27  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

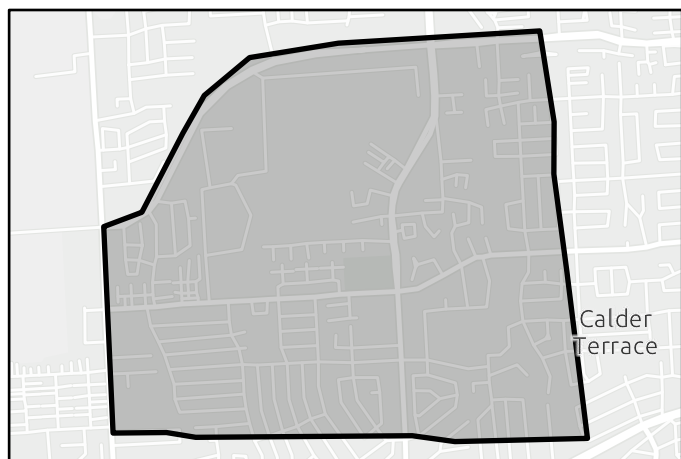
Population removed from 100-yr 681 # of structures removed from 100-yr 229  
 Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 0  
 Road removed from 100-yr (miles) 0 Low water crossings removed from 100-yr 0  
 Other benefits N/A Reduction in # of road closures over 10 years -

## Impacts

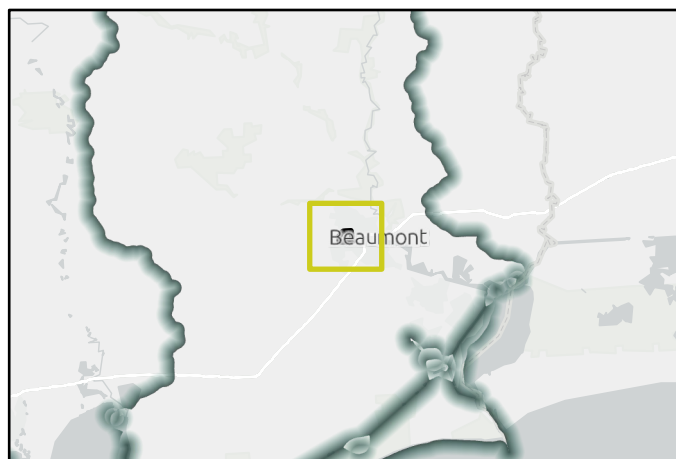
Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Project Cost \$13,181,257 % Nature-Based - BCR 4  
 Recurring costs \$12,000  
 Issues There is a high density of development near the project location. Transportation to project site could be hampered and work may have to be done surveying land to prevent negatively impacting existing utilities.



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title **Borley Heights Relief Project**

ID# **053000024** Sponsor **Jefferson County Drainage District 6**

RFPG recommend? **Yes** Reason for Recommendation **Project in area of emergency need and complies with RFPG Goals**

## Project Description

The project consists of constructing three new crossings under the LNVA Canal, a diversion ditch on the west side of the canal, concrete-lined receiving ditches along the canal, and improvements to the existing Ditch 1002-B.

Watershed HUC# (if known) **120200070205** Emergency Need? **Yes**

Drainage area (mi<sup>2</sup> est.) **0**

Associated FME's **999999** County **Jefferson**

Associated FMS's **999999** Associated FMP's **999999**

## Existing 100-Year Flood Risk

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

Population at risk **296** # of structures **172** Critical facilities **0**

Farm/Ranch land impacted (acres) **6** Roadway(s) impacted (length) **1**

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

## 100-Year Flood Risk Reduction

Population removed from 100-yr **277** # of structures removed from 100-yr **157**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **4**

Road removed from 100-yr (miles) **1** Low water crossings removed from 100-yr **0**

Other benefits **N/A** Reduction in # of road closures over 10 years **-**

## Impacts

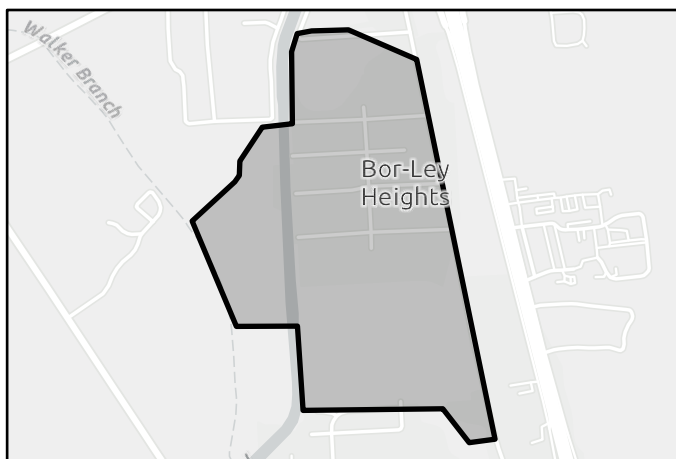
Negative impacts? **No** Negative impacts description **-**

Water supply contributions? **No** Water supply contribution description **-**

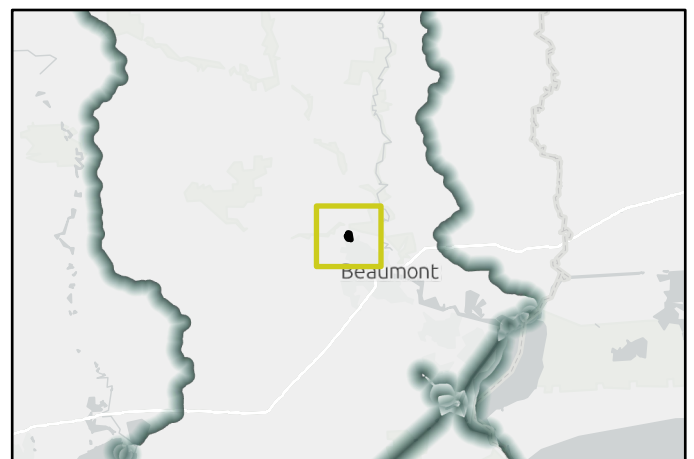
## Estimated Cost

Project Cost **\$4,577,210** % Nature-Based **-** BCR **2**

Recurring costs **\$6,000** Issues **Project is located next to a concentration of residential buildings. Coordination is likely required with local residents for construction operations.**



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title East China Relief Project

ID# 053000025 Sponsor Jefferson County Drainage District 6

RFPG recommend? Yes Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

## Project Description

The project consists of constructing new linear detention upstream of the LNVA Canal, a concrete block-lined channel downstream of the canal crossing, and an adequate structure at Turner Road.

Watershed HUC# (if known) 120402010100 Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 4

Associated FME's 999999 County Jefferson

Associated FMS's 999999 Associated FMP's 999999

## Existing 100-Year Flood Risk

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

Population at risk 352 # of structures 374 Critical facilities 0

Farm/Ranch land impacted (acres) 374 Roadway(s) impacted (length) 7

Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

Population removed from 100-yr 21 # of structures removed from 100-yr 22

Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 17

Road removed from 100-yr (miles) 0 Low water crossings removed from 100-yr 0

Other benefits N/A Reduction in # of road closures over 10 years -

## Impacts

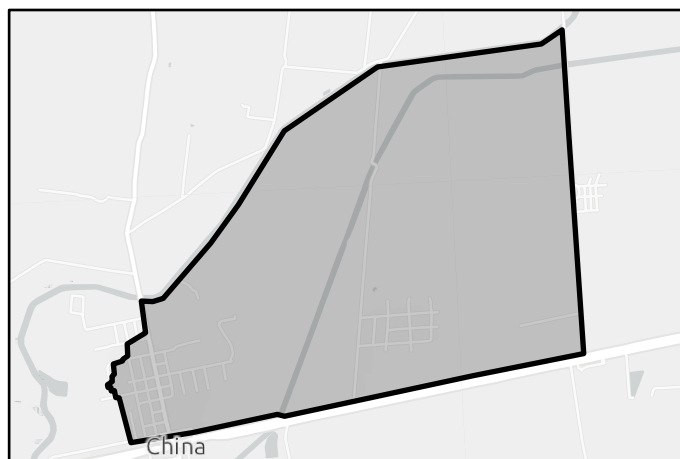
Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

## Estimated Cost

Project Cost \$2,853,160 % Nature-Based - BCR 2

Recurring costs \$10,000 Issues N/A



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title South Nome Relief Ditch  
 ID# 053000026 Sponsor Jefferson County Drainage District 6  
 RFPG recommend? Yes Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

## Project Description

The project consists of constructing storm sewer improvements and a detention basin to prevent stormwater runoff from backing up into Nome.

Watershed HUC# (if known) 120200070201,120402010100 Emergency Need? Yes  
 Drainage area (mi<sup>2</sup> est.) 6  
 Associated FME's 999999 County Jefferson,Liberty  
 Associated FMS's 999999 Associated FMP's 999999

## Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No  
 Population at risk 146 # of structures 91 Critical facilities 0  
 Farm/Ranch land impacted (acres) 1,183 Roadway(s) impacted (length) 5  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

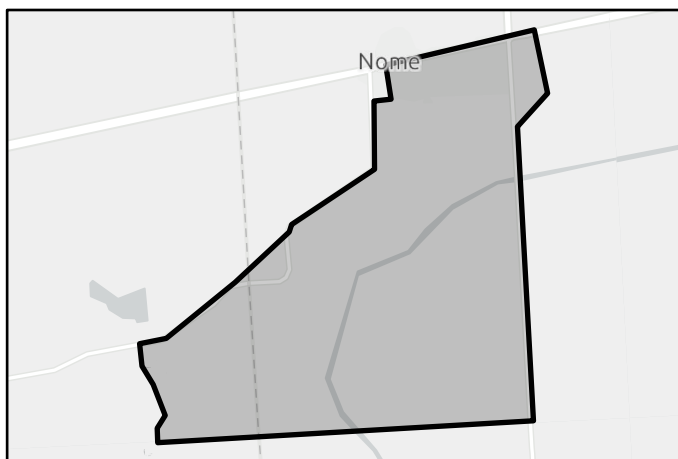
Population removed from 100-yr 96 # of structures removed from 100-yr 22  
 Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 9  
 Road removed from 100-yr (miles) 1 Low water crossings removed from 100-yr 0  
 Other benefits N/A Reduction in # of road closures over 10 years -

## Impacts

Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Project Cost \$2,286,770 % Nature-Based - BCR 1  
 Recurring costs \$6,000 N/A Issues



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)

REGION 5



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Project Description

The project consists of constructing a detention pond near the intersection of IH-10 and Hwy 365 to the southwest of Beaumont.

Watershed HUC# (if known)  Emergency Need?

Drainage area (mi<sup>2</sup> est.)

Associated FME's  County

Associated FMS's  Associated FMP's

## Existing 100-Year Flood Risk

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

Population at risk  # of structures  Critical facilities

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

## Impacts

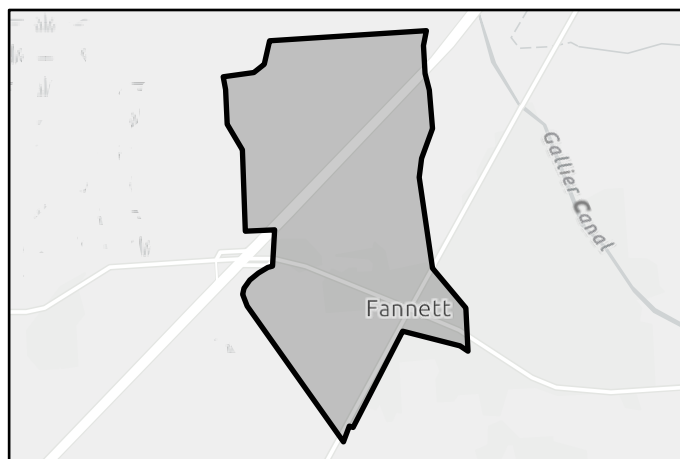
Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

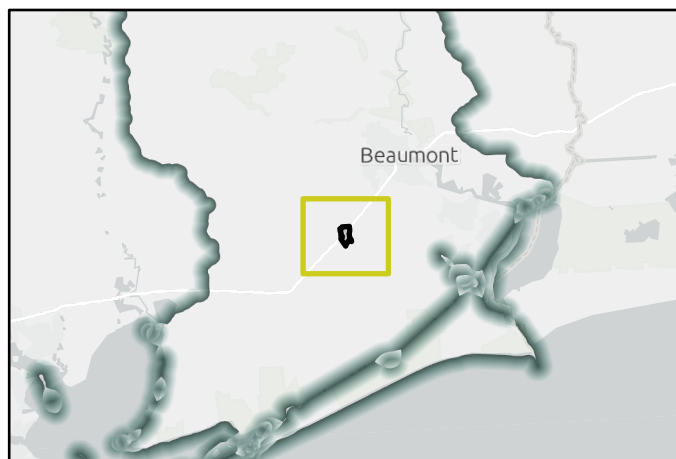
## Estimated Cost

Project Cost  % Nature-Based  BCR

Recurring costs  Issues



FMP area



Regional view of FMP area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.  
 Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

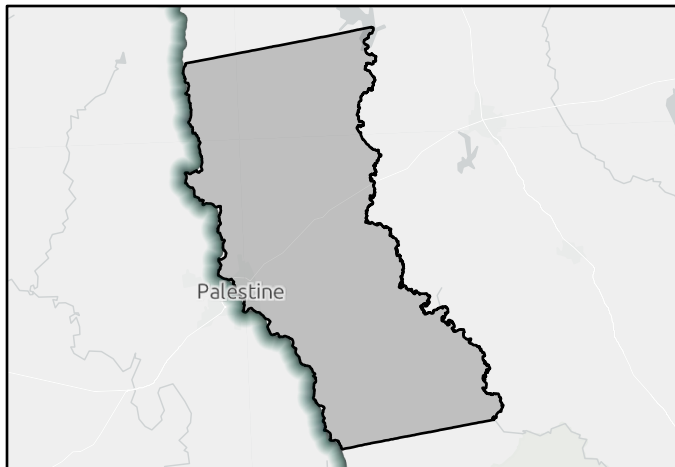
## Impacts

Negative impacts?  Negative impacts description

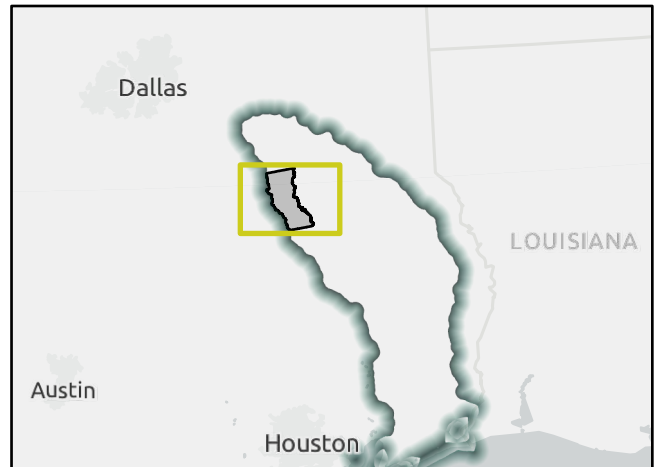
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title Anderson County Natural Hazards Education Program Development

ID# 052000002 Sponsor Anderson (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Education and Outreach County Anderson

Strategy description Develop, enhance and implement education programs to increase awareness of natural hazards and to inform residents of mitigation actions to reduce risk to citizens, public infrastructure, private property owners, businesses and schools.

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk 73 # of structures 69 Critical facilities 0

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

Farm/Ranch land impacted (acres) 348 Roadway(s) impacted (miles) 22

Number of low water crossings 2 Historical road closures 2

## 100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

Other benefits - Reduction in # of road closures over 10 years -

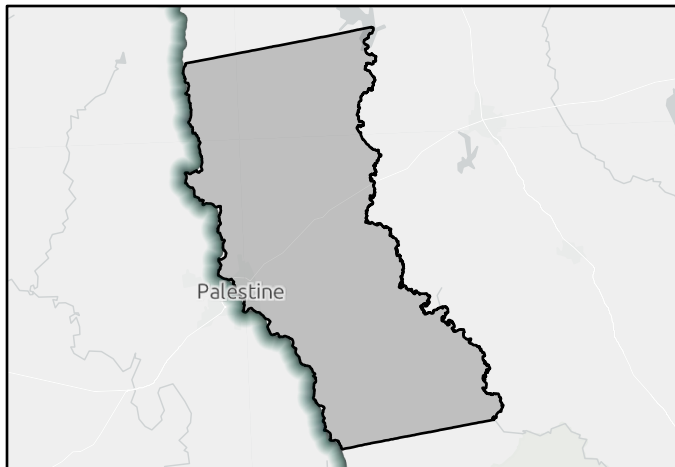
## Impacts

Negative impacts? No Negative impacts description -

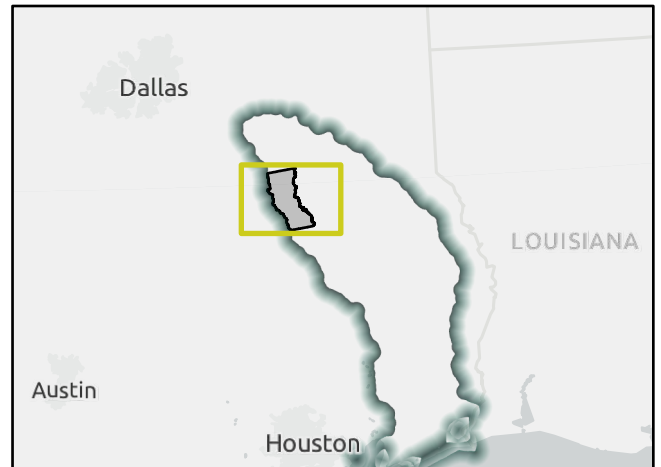
Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$50,000 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

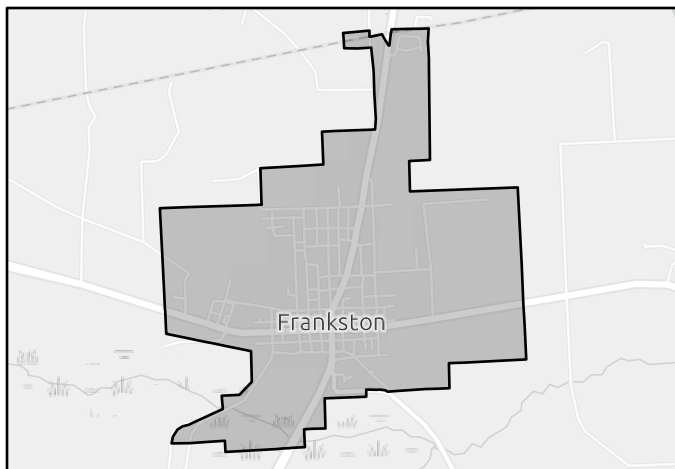
## Impacts

Negative impacts?  Negative impacts description

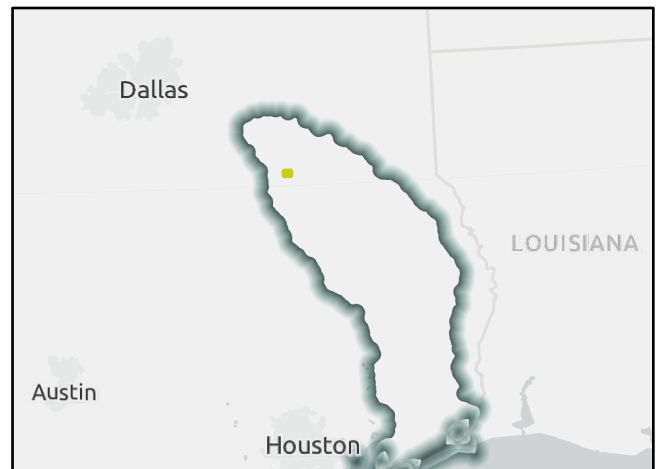
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="8,420"/>	# of structures	<input type="text" value="1,201"/>	Critical facilities	<input type="text" value="11"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="165"/>	Roadway(s) impacted (miles)	<input type="text" value="66"/>		
Number of low water crossings	<input type="text" value="19"/>	Historical road closures	<input type="text" value="19"/>		

## 100-Year Flood Risk Reduction

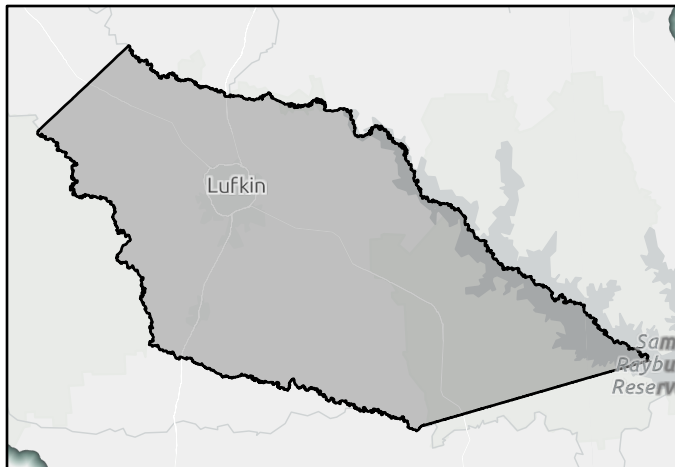
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

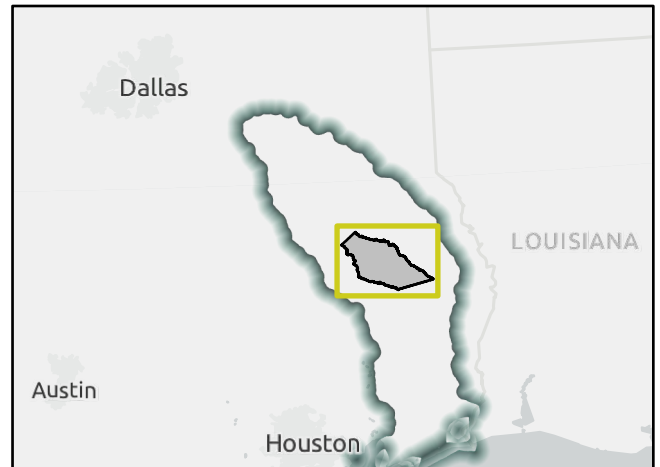
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$10,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title Chambers County Public Education on Mitigation Techniques

ID# 052000005 Sponsor Chambers (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Education and Outreach County Chambers

Strategy description Implement an outreach and education campaign to educate the public on mitigation techniques for all hazards to reduce loss of life and property.

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk	1,431	# of structures	1,175	Critical facilities	0
Flood risk type:	Riverine? <input type="checkbox"/> Yes	Coastal? <input type="checkbox"/> Yes	Local? <input type="checkbox"/> No	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> Yes
Farm/Ranch land impacted (acres)	36,933	Roadway(s) impacted (miles)	162		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

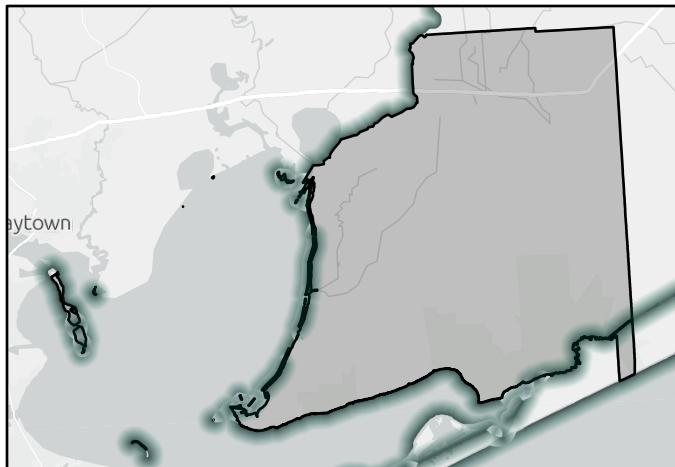
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

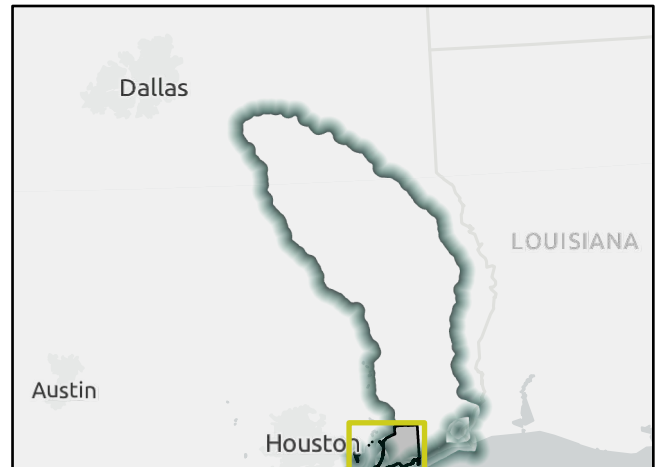
Negative impacts?	<input type="checkbox"/> No	Negative impacts description	-
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$50,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Gallatin "Turn Around Don't Drown" Campaign

ID# 052000006 Sponsor Gallatin (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Education and Outreach County Cherokee

Strategy description Promote the "Turn Around Don't Drown" campaign in partnership with DPS.

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk 0 # of structures 2 Critical facilities 0

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

Farm/Ranch land impacted (acres) 60 Roadway(s) impacted (miles) 1

Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

Other benefits - Reduction in # of road closures over 10 years -

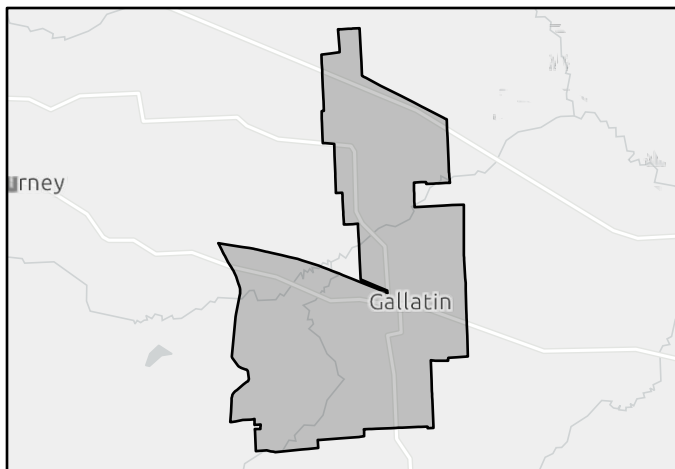
## Impacts

Negative impacts? No Negative impacts description -

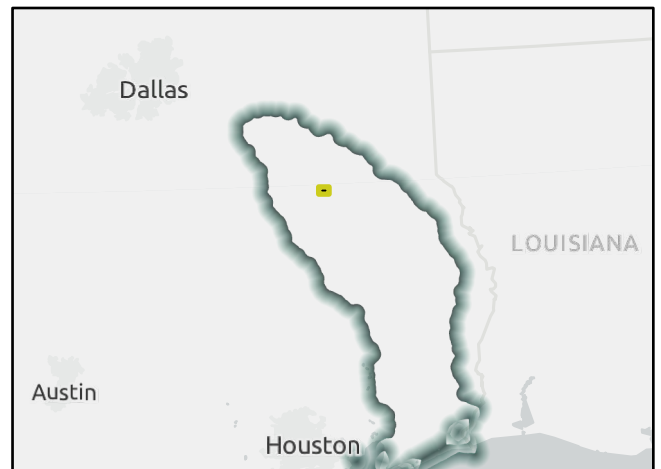
Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$10,000 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.  
 Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

## Impacts

Negative impacts?  Negative impacts description

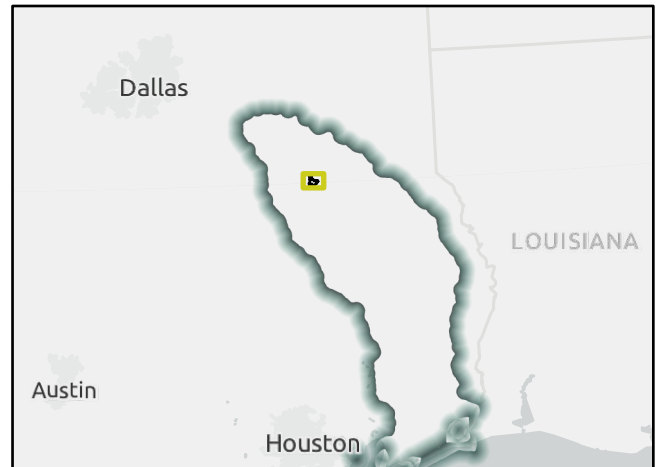
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Rusk "Turn Around Don't Drown" Campaign

ID# 052000008 Sponsor Rusk (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Education and Outreach County Cherokee

Strategy description Promote the "Turn Around Don't Drown" campaign in partnership with DPS.

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk	462	# of structures	41	Critical facilities	0
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input checked="" type="checkbox"/> Yes	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> No
Farm/Ranch land impacted (acres)	1	Roadway(s) impacted (miles)	2		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

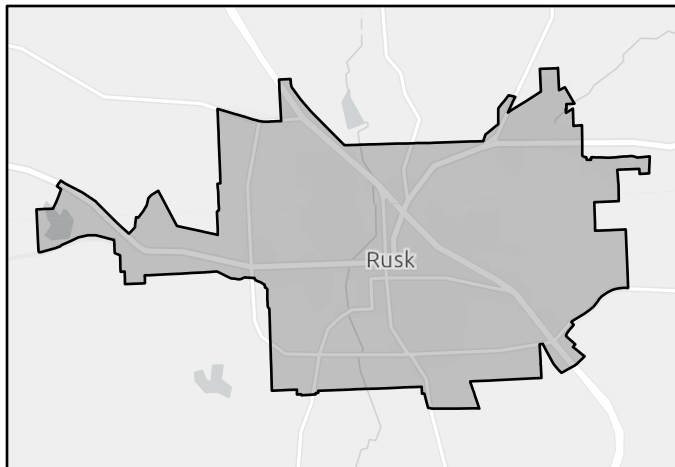
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

Negative impacts?	<input type="checkbox"/> No	Negative impacts description	-
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$10,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title Henderson County Emergency Training Program

ID# 052000009 Sponsor Henderson (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Education and Outreach County Henderson

Strategy description Increase training opportunities for citizens to encourage their involvement in mitigation efforts.

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk	267	# of structures	240	Critical facilities	0
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input checked="" type="checkbox"/> Yes	Playa? <input type="checkbox"/> No	Other? <input checked="" type="checkbox"/> Yes
Farm/Ranch land impacted (acres)	348	Roadway(s) impacted (miles)	20		
Number of low water crossings	1	Historical road closures	1		

## 100-Year Flood Risk Reduction

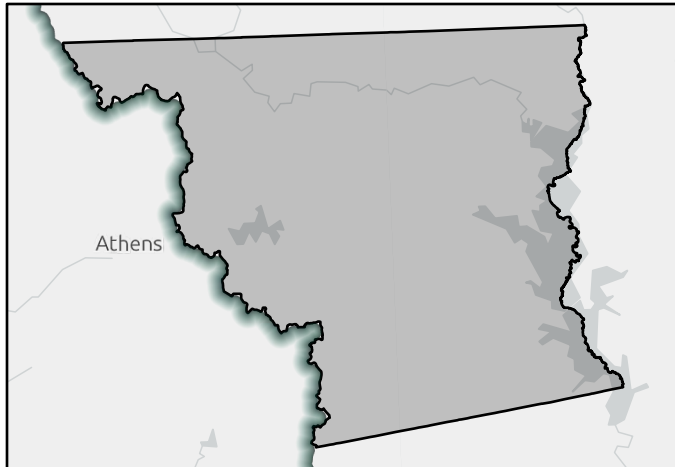
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

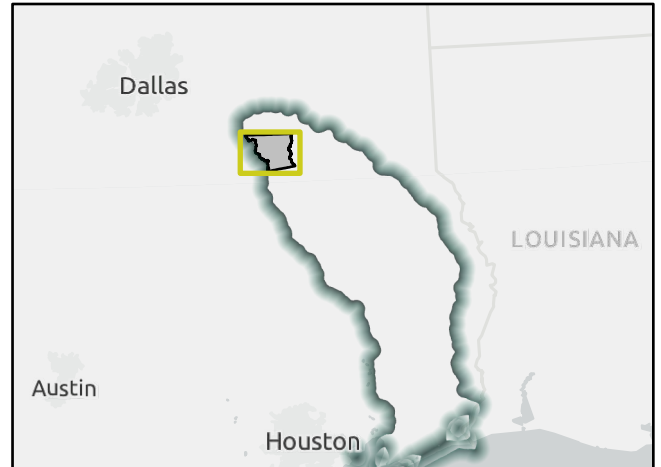
Negative impacts?	<input type="checkbox"/> No	Negative impacts description	-
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$50,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

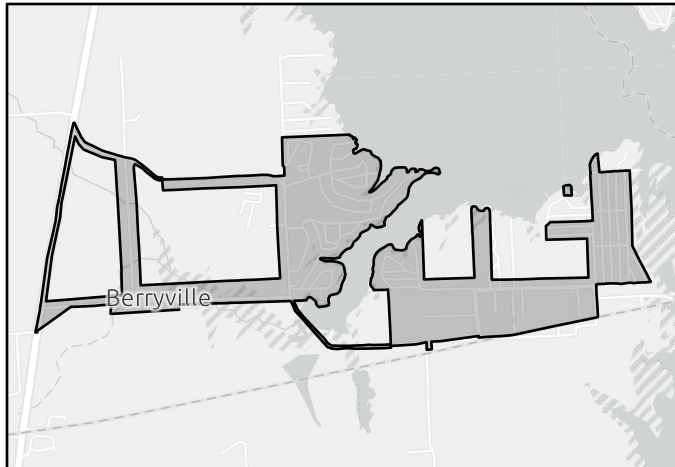
## Impacts

Negative impacts?  Negative impacts description

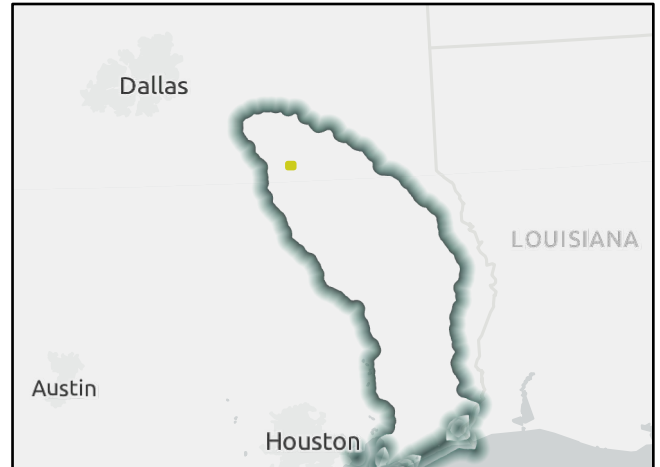
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Brownsboro Flood Mitigation Education for City Officials and Citizens

ID# 052000011 Sponsor Brownsboro (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Education and Outreach County Henderson

Strategy description Seek FEMA and State training in flood mitigation to assist with NFIP and encourage awareness of flood hazard and National Flood Insurance Program assistance to citizens

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.  
 Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk 52 # of structures 32 Critical facilities 0  
 Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No  
 Farm/Ranch land impacted (acres) 8 Roadway(s) impacted (miles) 1  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

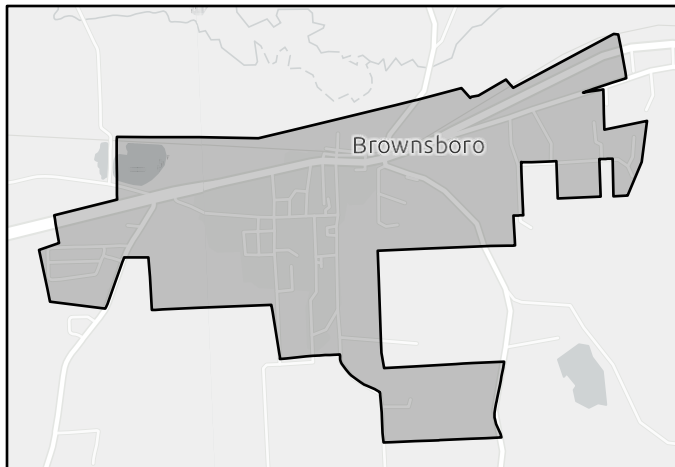
Population removed from 100-yr - # of structures removed from 100-yr -  
 Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -  
 Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -  
 Other benefits - Reduction in # of road closures over 10 years -

## Impacts

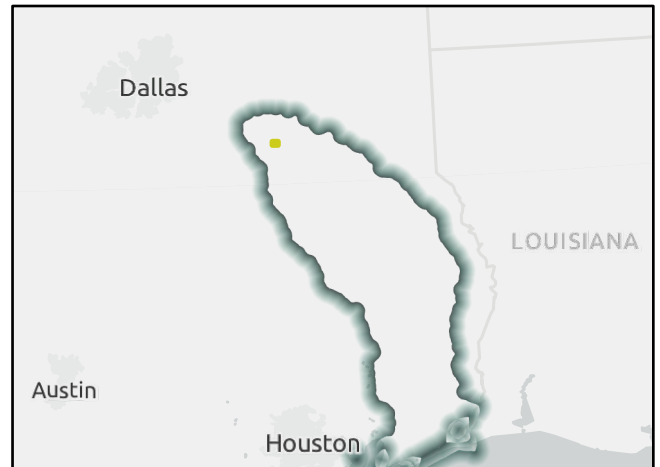
Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$5,000 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Brownsboro Public Education on Mitigation Techniques

ID# 052000012 Sponsor Brownsboro (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Education and Outreach County Henderson  
 Strategy description Provide materials and data sources to educate citizens of all potential hazards in the planning area and methods to mitigate hazards and increase awareness.

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.  
 Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk 52 # of structures 32 Critical facilities 0  
 Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No  
 Farm/Ranch land impacted (acres) 8 Roadway(s) impacted (miles) 1  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

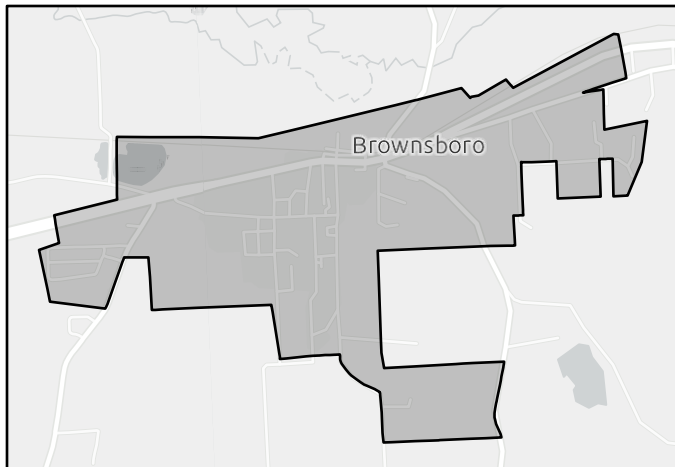
Population removed from 100-yr - # of structures removed from 100-yr -  
 Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -  
 Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -  
 Other benefits - Reduction in # of road closures over 10 years -

## Impacts

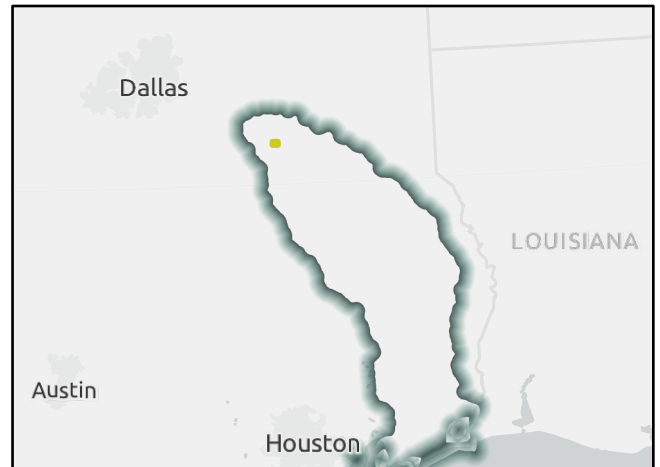
Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$5,000 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Chandler Citizen/Business/City Mitigation Strategy Planning

ID# 052000013 Sponsor Chandler (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Education and Outreach County Henderson  
 Strategy description Encourage the development of public and private partnership with businesses, service organizations and other community groups to work together on mitigation

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.  
 Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk 105 # of structures 29 Critical facilities 0  
 Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No  
 Farm/Ranch land impacted (acres) 7 Roadway(s) impacted (miles) 1  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

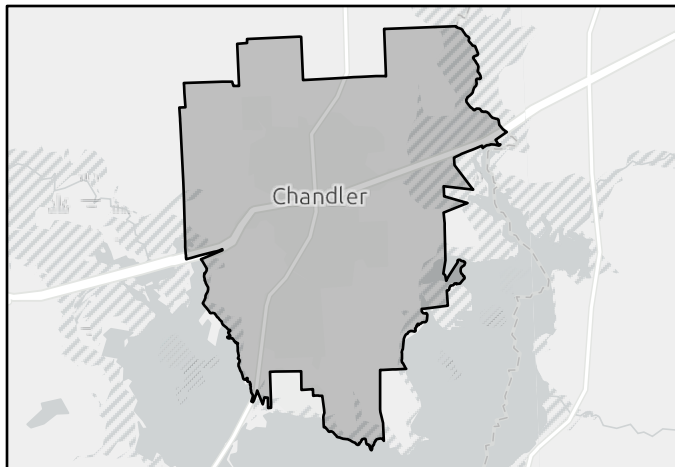
Population removed from 100-yr - # of structures removed from 100-yr -  
 Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -  
 Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -  
 Other benefits - Reduction in # of road closures over 10 years -

## Impacts

Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$10,000 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

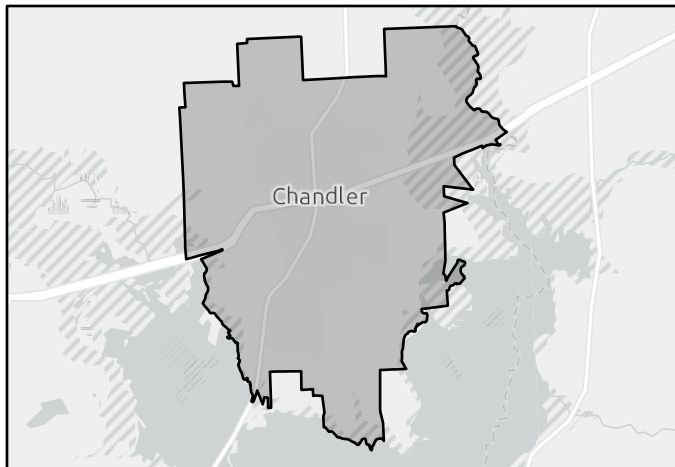
## Impacts

Negative impacts?  Negative impacts description

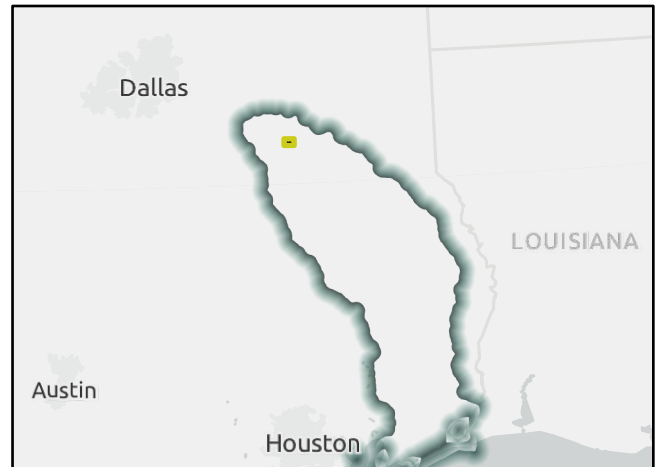
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

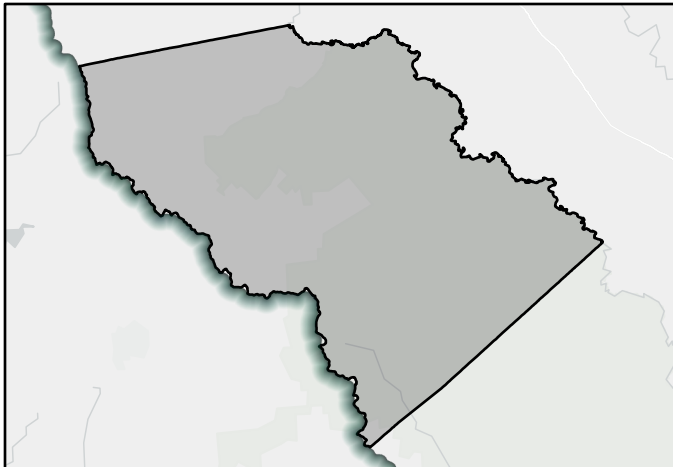
## Impacts

Negative impacts?  Negative impacts description

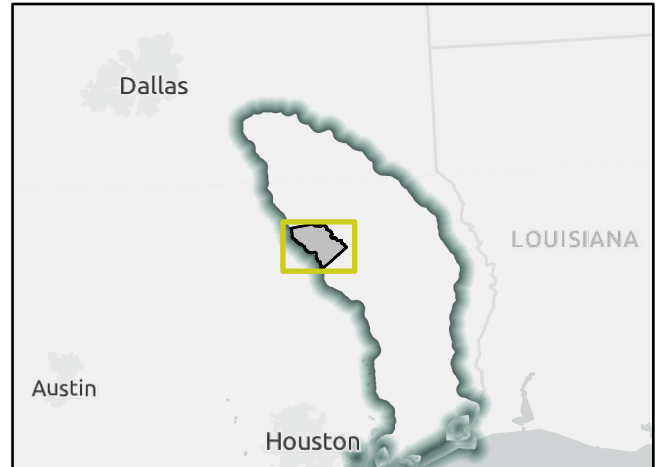
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.  
 Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

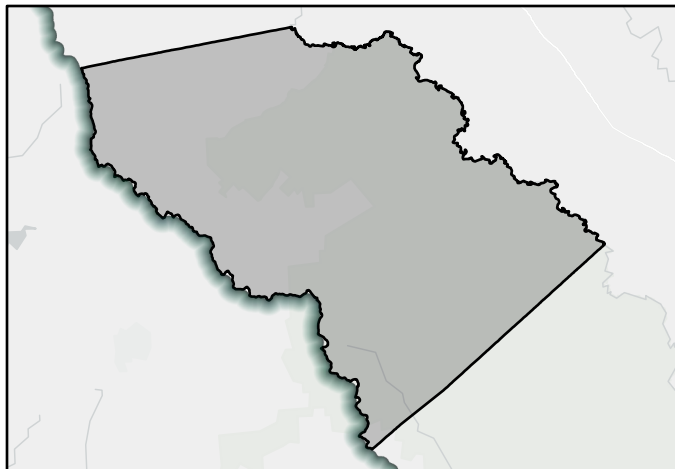
## Impacts

Negative impacts?  Negative impacts description

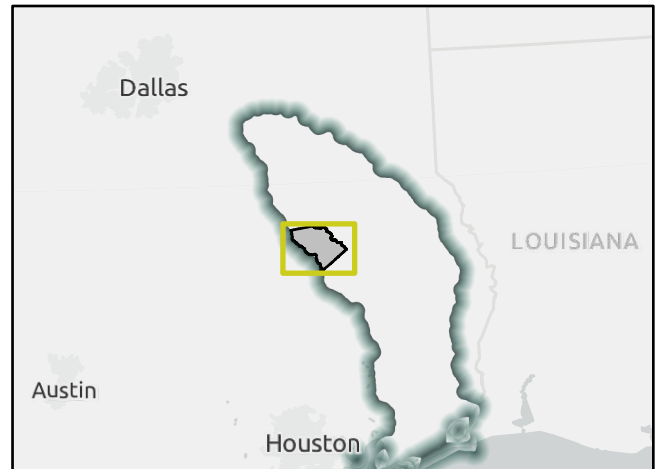
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

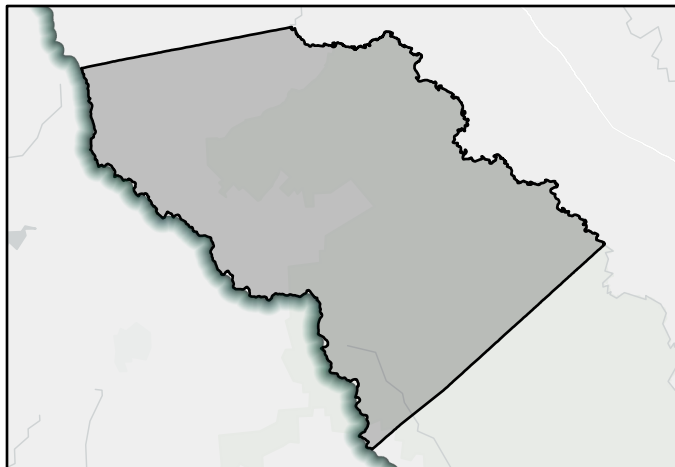
## Impacts

Negative impacts?  Negative impacts description

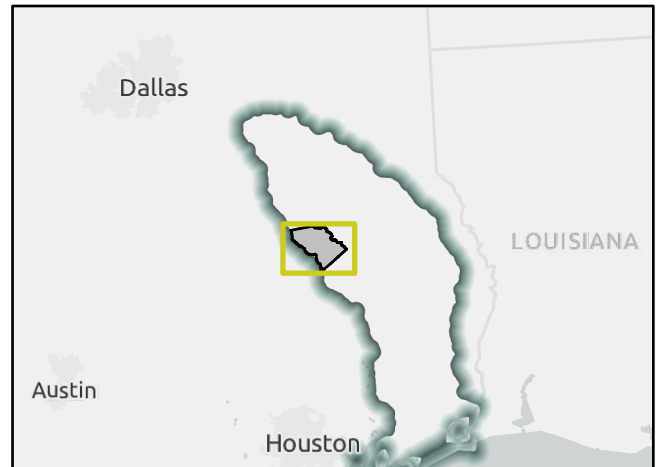
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="20,772"/>	# of structures	<input type="text" value="6,491"/>	Critical facilities	<input type="text" value="30"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="20,945"/>	Roadway(s) impacted (miles)	<input type="text" value="215"/>		
Number of low water crossings	<input type="text" value="16"/>	Historical road closures	<input type="text" value="16"/>		

## 100-Year Flood Risk Reduction

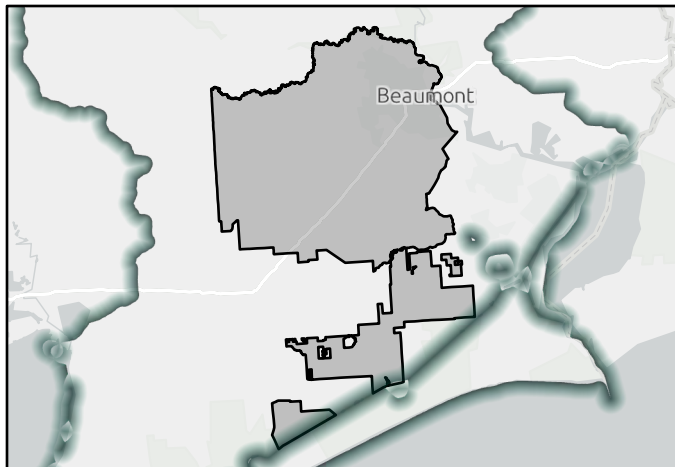
Population removed from 100-yr	<input type="text" value="286"/>	# of structures removed from 100-yr	<input type="text" value="101"/>
Critical facilities removed from 100-yr	<input type="text" value="4"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="45"/>
Road removed from 100-yr (miles)	<input type="text" value="0"/>	Low water crossings removed from 100-yr	<input type="text" value="0"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

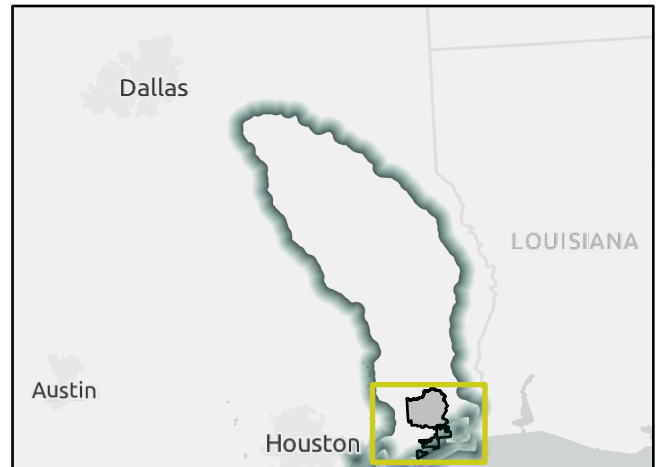
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$50,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Daisetta Education of City Council on Mitigation Benefits

ID# 052000019 Sponsor Daisetta (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Education and Outreach County Liberty

Strategy description Educate City Council on benefits of mitigation and encourage council members to become more involved.

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

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

## 100-Year Flood Risk Reduction

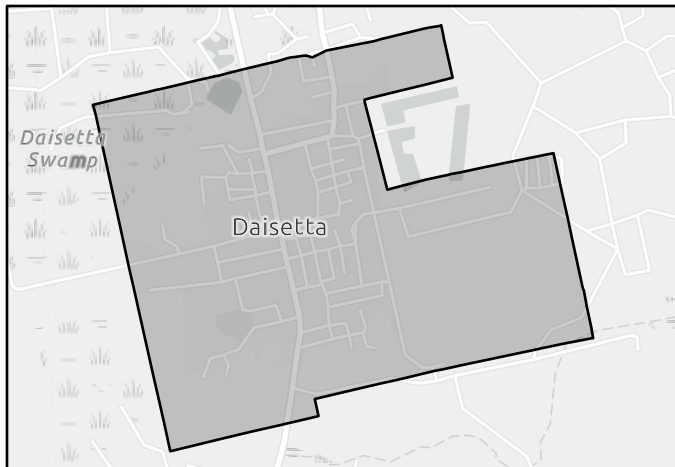
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

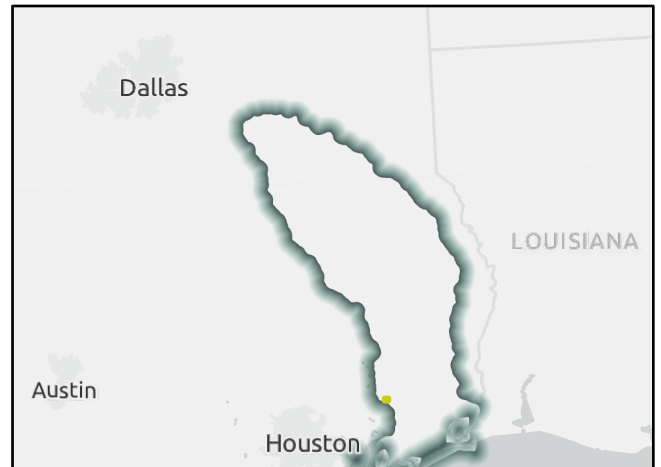
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$10,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="5,331"/>	# of structures	<input type="text" value="446"/>	Critical facilities	<input type="text" value="1"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="4"/>	Roadway(s) impacted (miles)	<input type="text" value="14"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## 100-Year Flood Risk Reduction

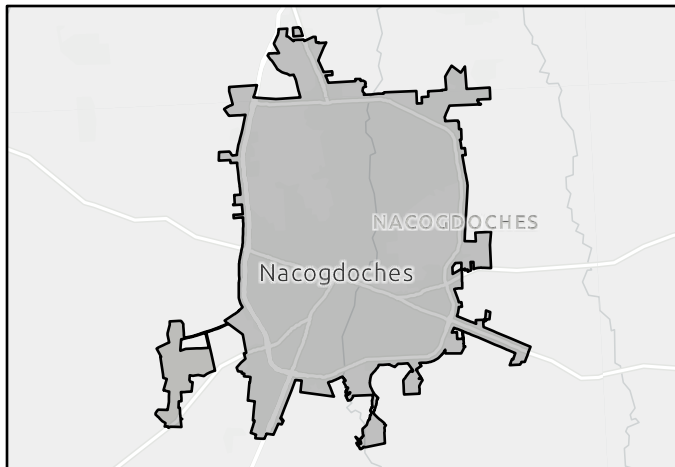
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

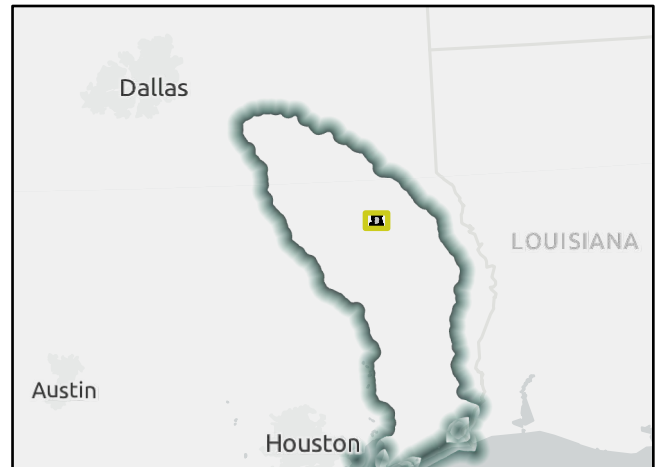
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$20,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.  
 Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

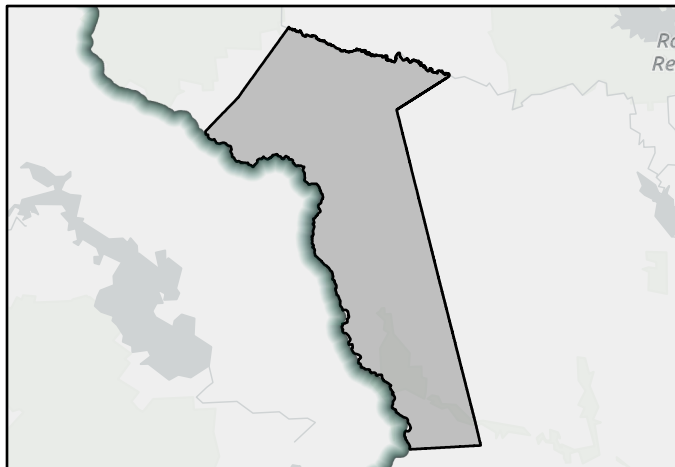
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title San Augustine County Public Education on Mitigation Techniques

ID# 052000022 Sponsor San Augustine (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Education and Outreach County San Augustine

Strategy description Includes programs in schools and senior citizen centers, pamphlets, and community meetings.

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk	146	# of structures	64	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	42	Roadway(s) impacted (miles)	13		
Number of low water crossings	2	Historical road closures	2		

## 100-Year Flood Risk Reduction

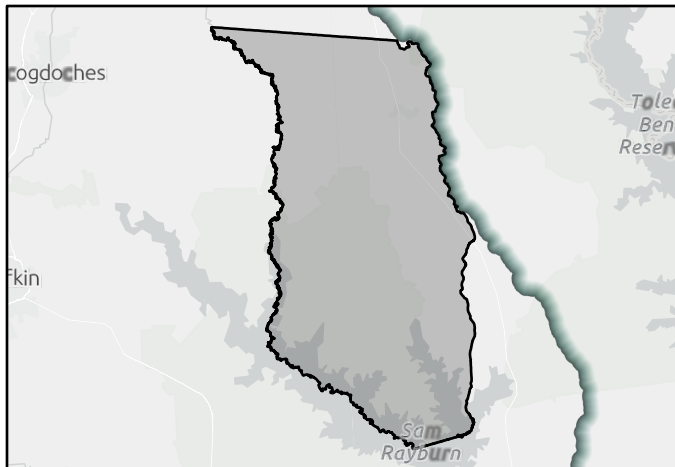
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$10,600	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

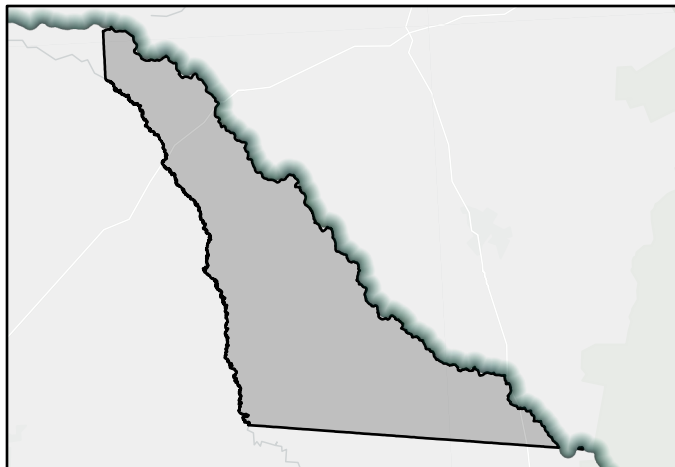
## Impacts

Negative impacts?  Negative impacts description

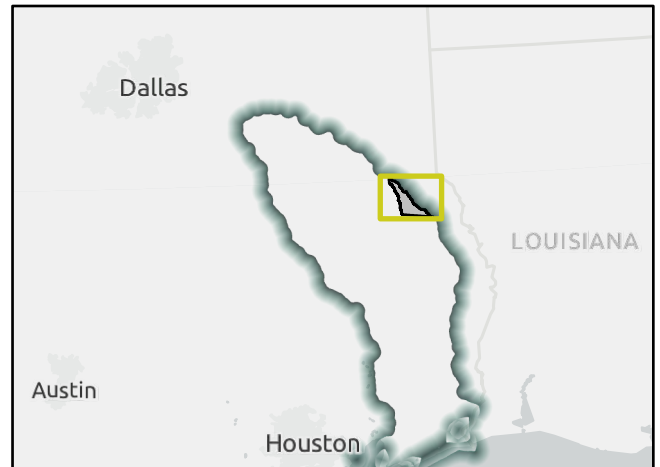
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Groveton Public Education on Mitigation Actions

ID# 052000024 Sponsor Groveton (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Education and Outreach County Trinity

Strategy description Create a program to educate the public about specific mitigation actions for multiple hazards

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk 2 # of structures 3 Critical facilities 0

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

Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (miles) 0

Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

Other benefits - Reduction in # of road closures over 10 years -

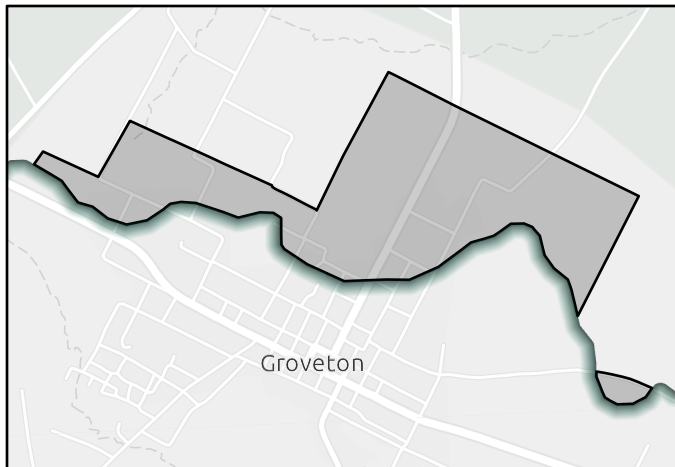
## Impacts

Negative impacts? No Negative impacts description -

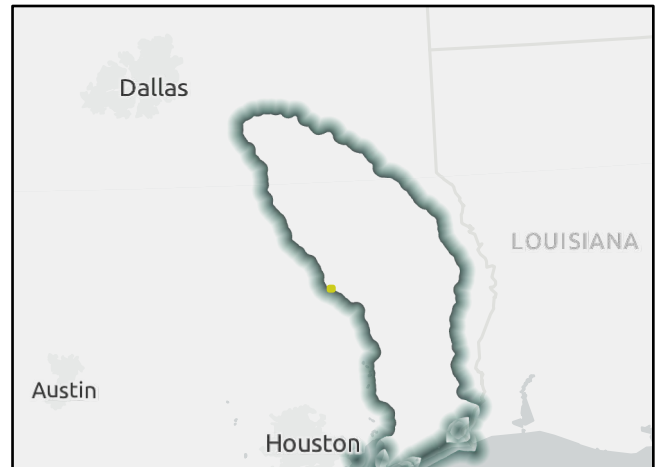
Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$5,100 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

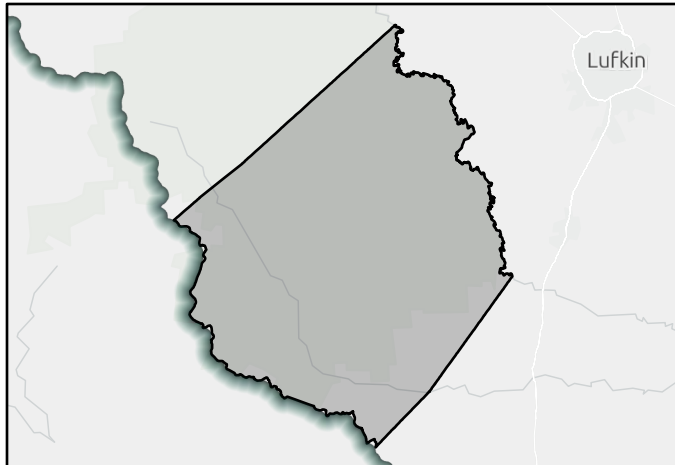
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

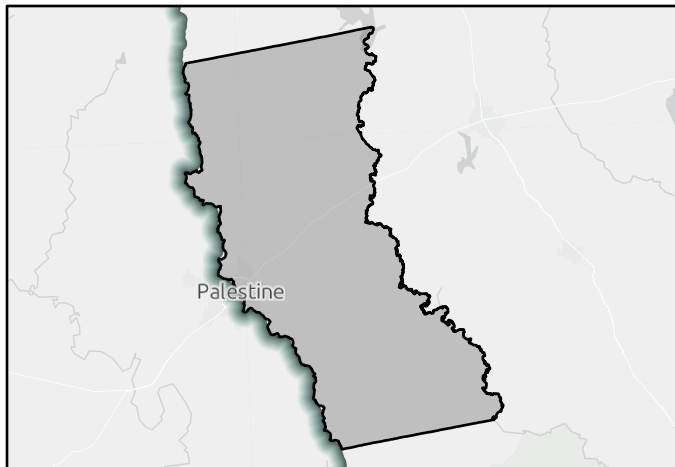
## Impacts

Negative impacts?  Negative impacts description

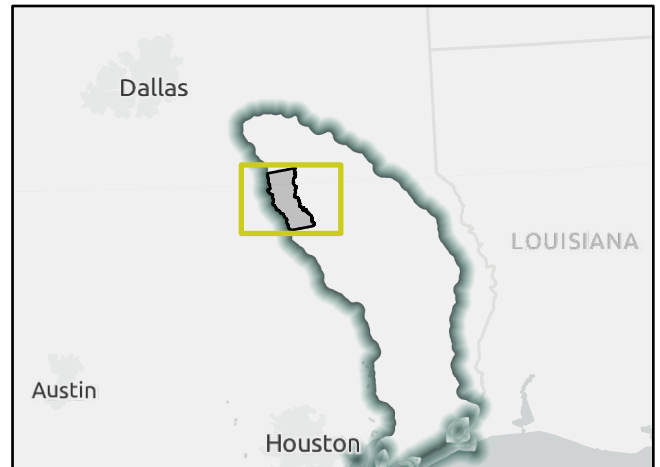
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="8,420"/>	# of structures	<input type="text" value="1,201"/>	Critical facilities	<input type="text" value="11"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="165"/>	Roadway(s) impacted (miles)	<input type="text" value="66"/>		
Number of low water crossings	<input type="text" value="19"/>	Historical road closures	<input type="text" value="19"/>		

## 100-Year Flood Risk Reduction

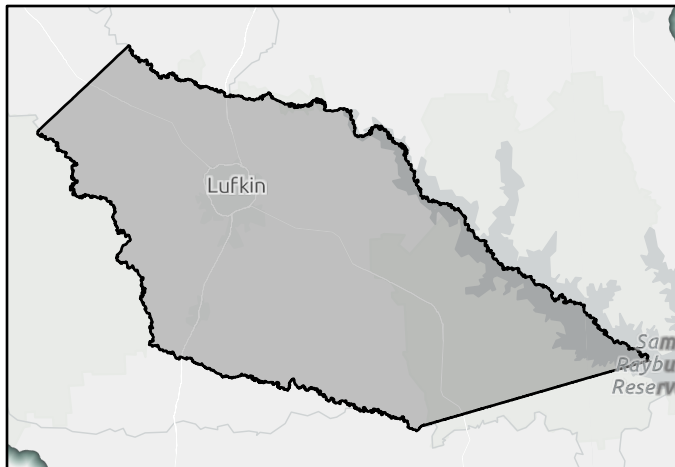
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

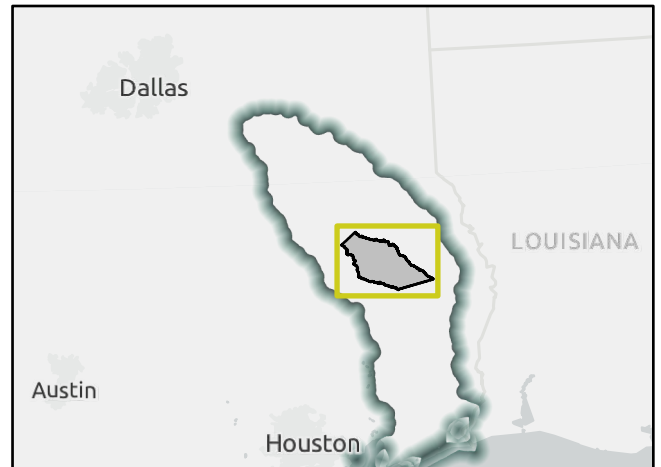
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$209,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="16"/>	# of structures	<input type="text" value="17"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="117"/>	Roadway(s) impacted (miles)	<input type="text" value="20"/>		
Number of low water crossings	<input type="text" value="7"/>	Historical road closures	<input type="text" value="7"/>		

## 100-Year Flood Risk Reduction

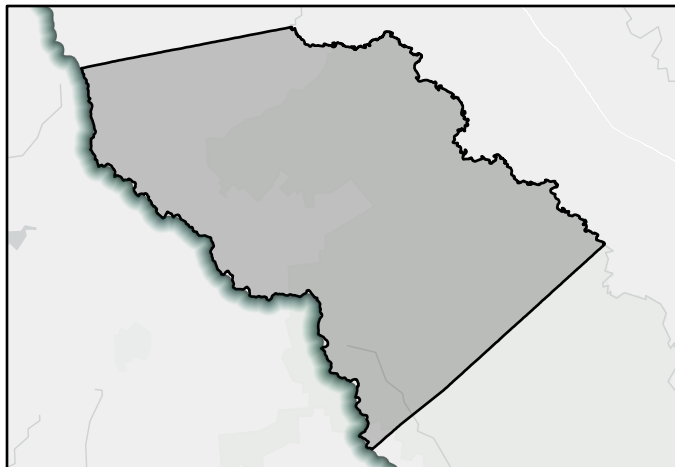
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

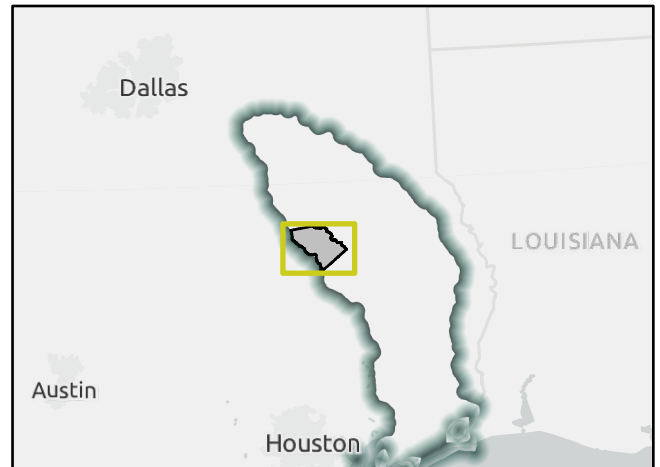
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$602,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

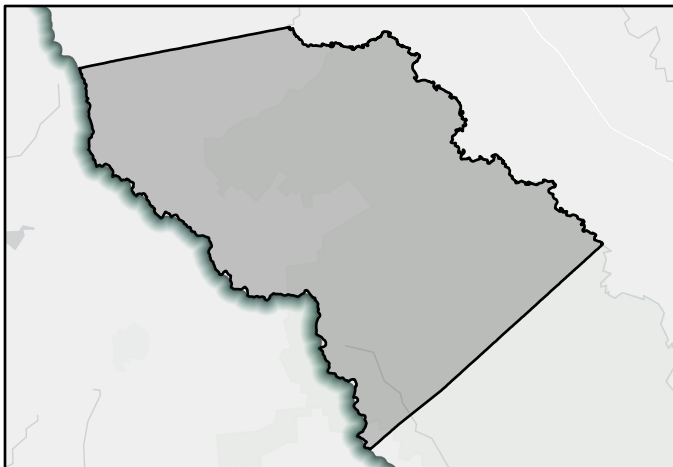
## Impacts

Negative impacts?  Negative impacts description

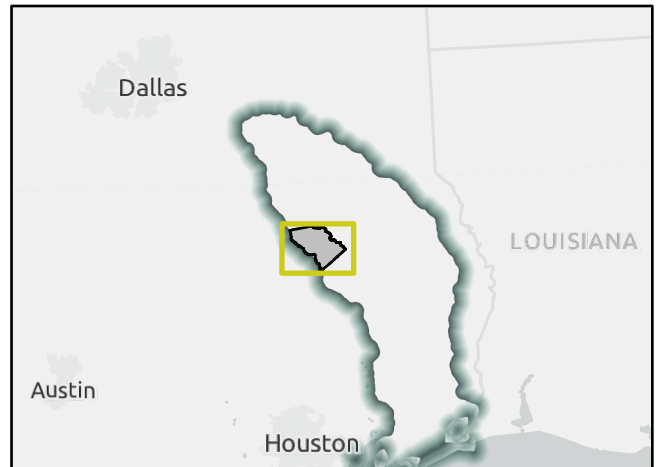
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

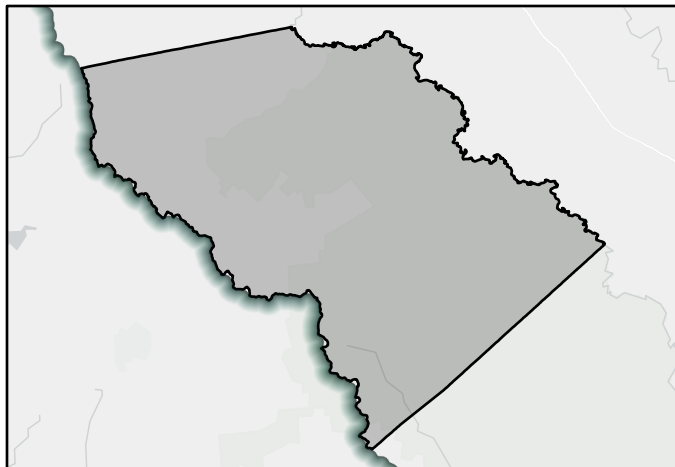
## Impacts

Negative impacts?  Negative impacts description

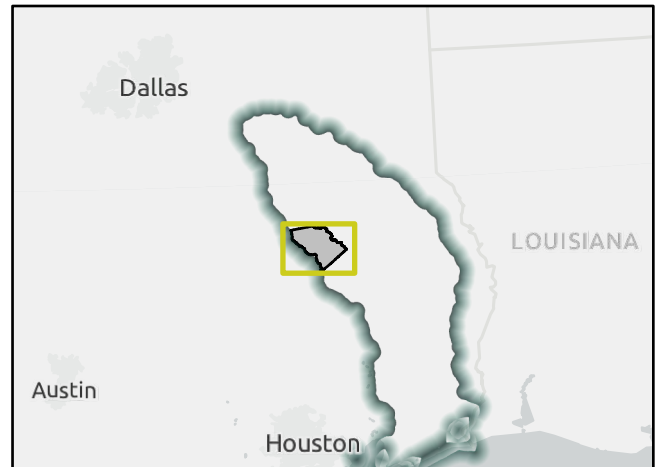
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Brownsboro Code Red System Implementation

ID# 052000031 Sponsor Brownsboro (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Flood Measurement and Warning County Henderson  
 Strategy description Obtain access and/or incorporate the use of the automated emergency calling system, Code Red, into local emergency management plan

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.  
 Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk 52 # of structures 32 Critical facilities 0  
 Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No  
 Farm/Ranch land impacted (acres) 8 Roadway(s) impacted (miles) 1  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

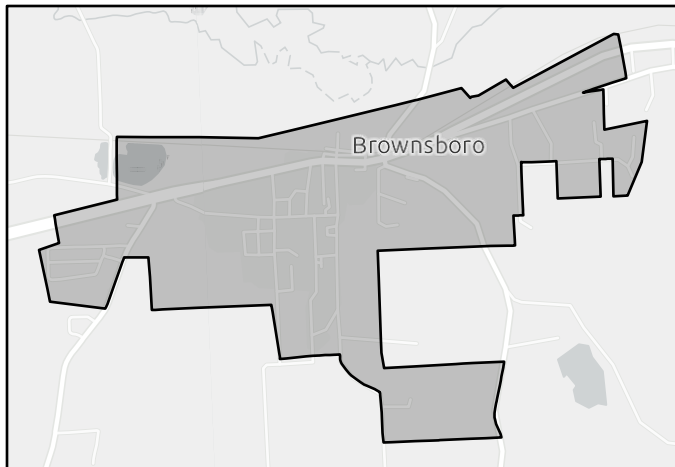
Population removed from 100-yr - # of structures removed from 100-yr -  
 Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -  
 Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -  
 Other benefits - Reduction in # of road closures over 10 years -

## Impacts

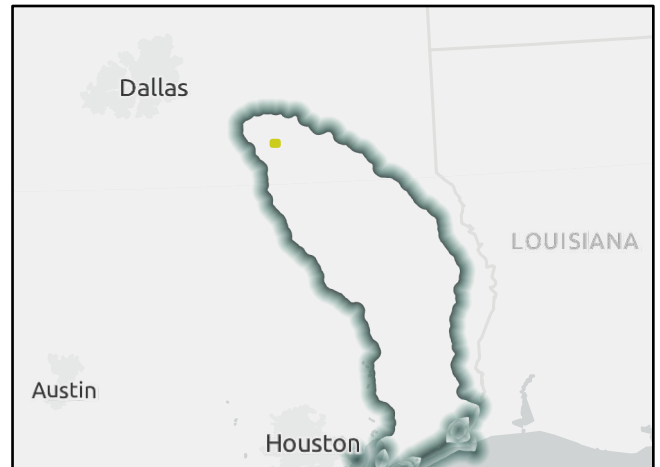
Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$100,000 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="105"/>	# of structures	<input type="text" value="29"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="7"/>	Roadway(s) impacted (miles)	<input type="text" value="1"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## 100-Year Flood Risk Reduction

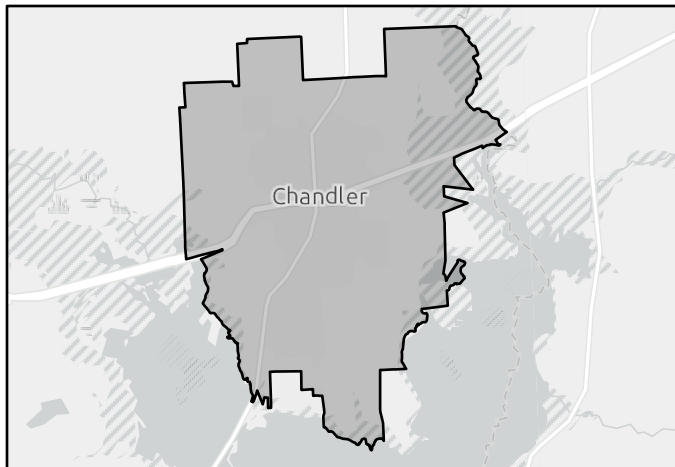
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

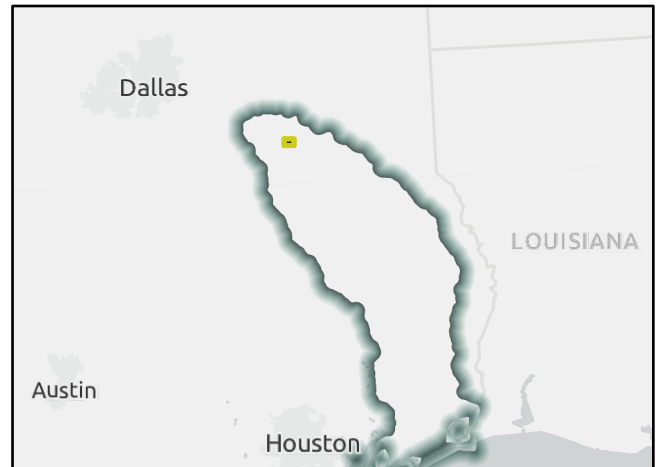
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$100,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

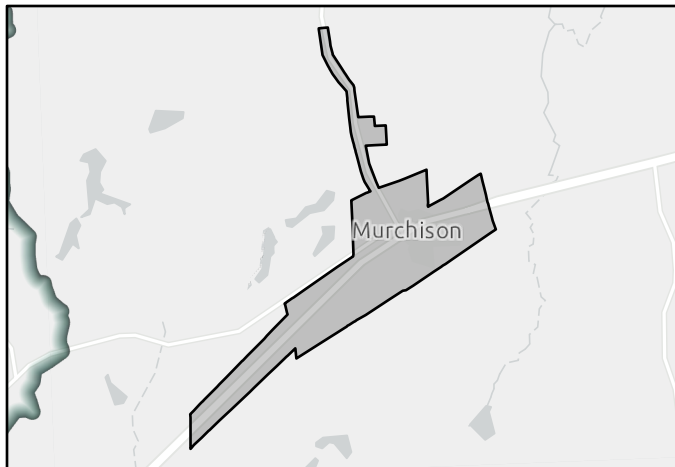
## Impacts

Negative impacts?  Negative impacts description

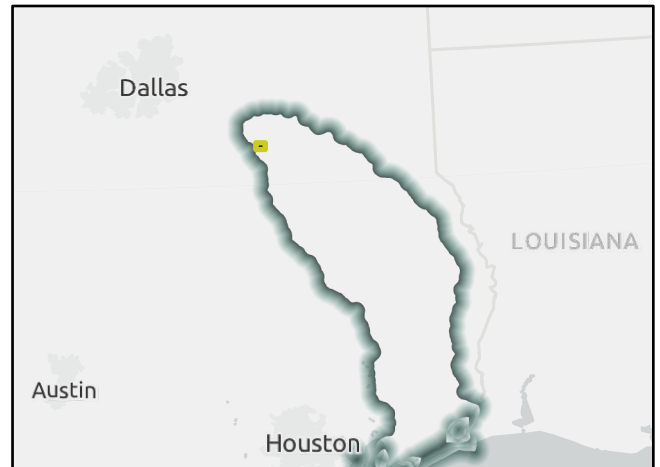
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.  
 Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

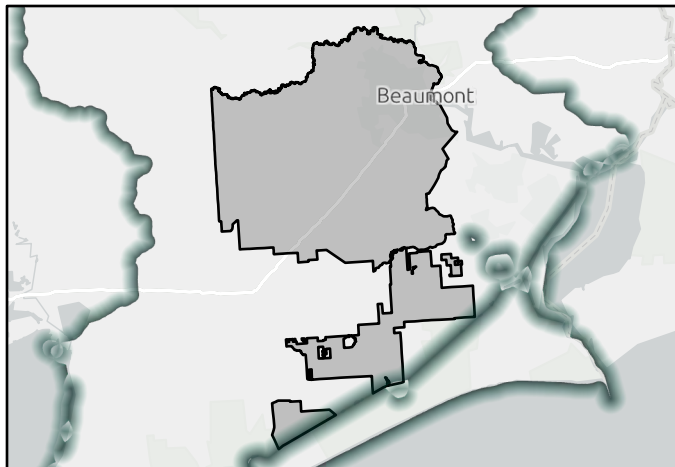
## Impacts

Negative impacts?  Negative impacts description

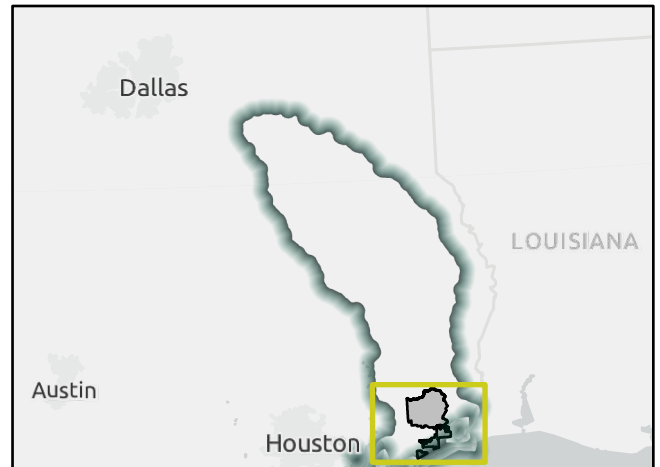
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal(s)

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="17,575"/>	# of structures	<input type="text" value="4,705"/>	Critical facilities	<input type="text" value="82"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="876"/>	Roadway(s) impacted (miles)	<input type="text" value="95"/>		
Number of low water crossings	<input type="text" value="3"/>	Historical road closures	<input type="text" value="3"/>		

## 100-Year Flood Risk Reduction

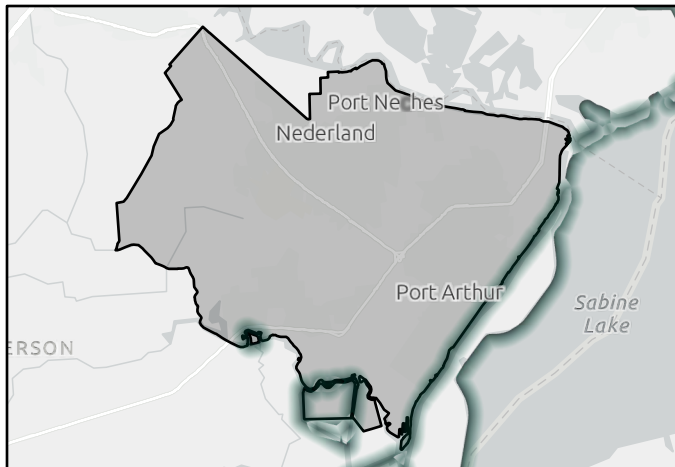
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

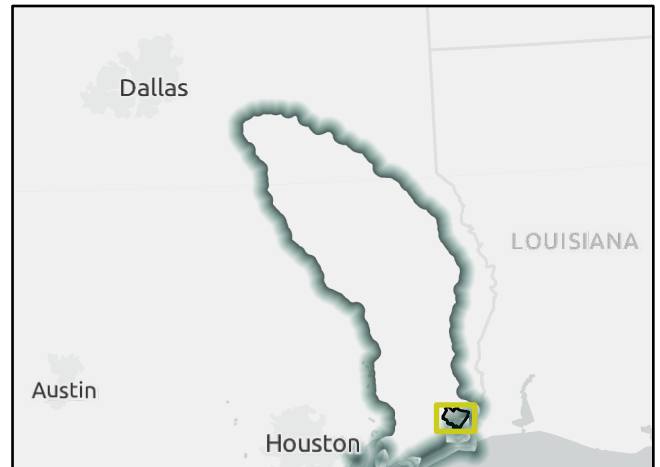
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$104,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="11,929"/>	# of structures	<input type="text" value="5,007"/>	Critical facilities	<input type="text" value="36"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="346"/>	Roadway(s) impacted (miles)	<input type="text" value="136"/>		
Number of low water crossings	<input type="text" value="20"/>	Historical road closures	<input type="text" value="20"/>		

## 100-Year Flood Risk Reduction

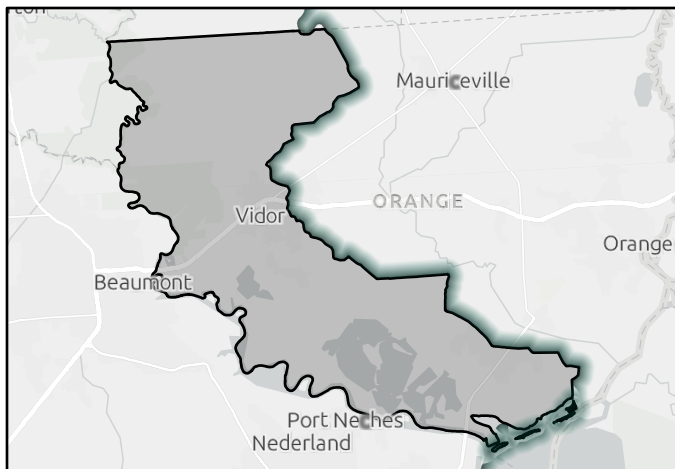
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

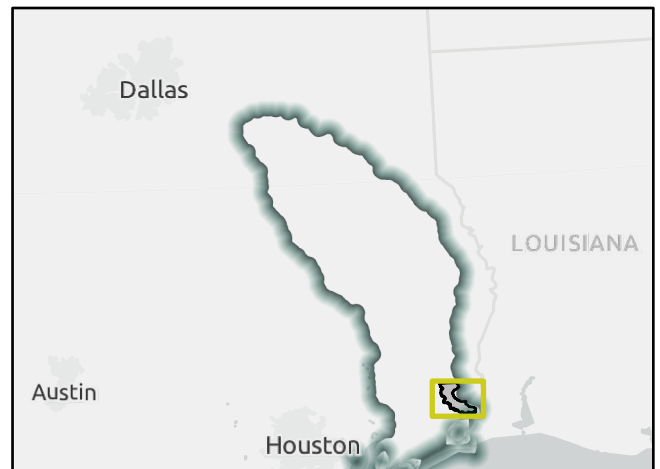
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$11,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

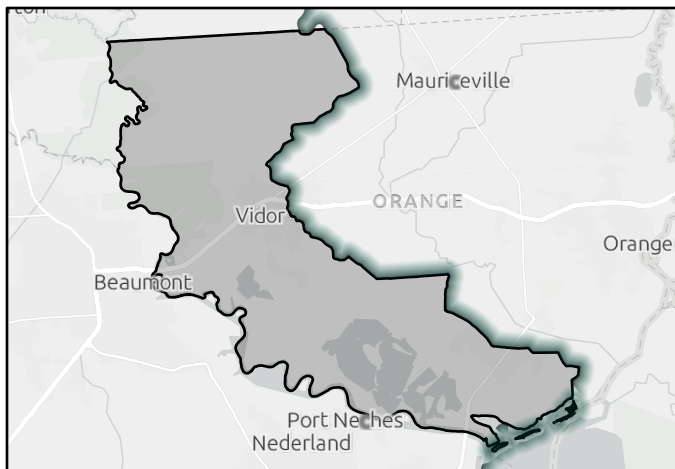
## Impacts

Negative impacts?  Negative impacts description

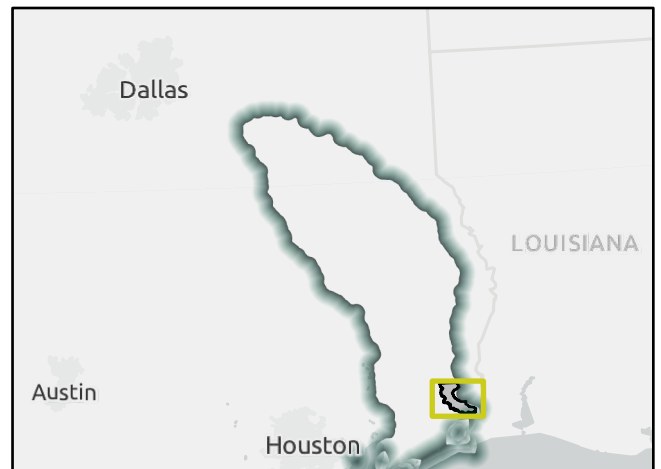
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="368"/>	# of structures	<input type="text" value="84"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="62"/>	Roadway(s) impacted (miles)	<input type="text" value="17"/>		
Number of low water crossings	<input type="text" value="8"/>	Historical road closures	<input type="text" value="8"/>		

## 100-Year Flood Risk Reduction

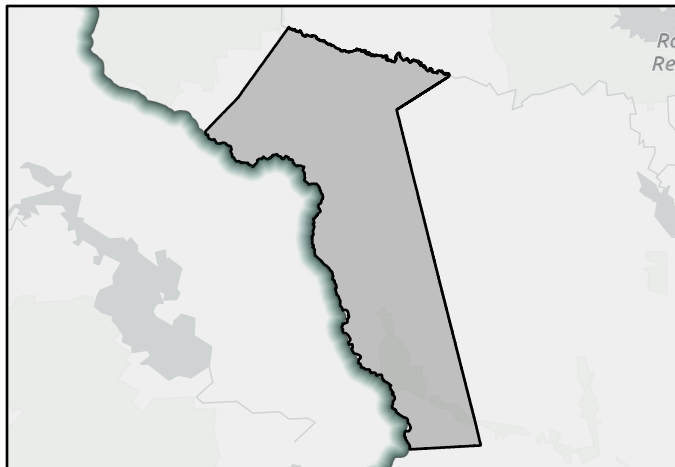
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$3,110,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="8"/>	# of structures	<input type="text" value="15"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="56"/>	Roadway(s) impacted (miles)	<input type="text" value="5"/>		
Number of low water crossings	<input type="text" value="4"/>	Historical road closures	<input type="text" value="4"/>		

## 100-Year Flood Risk Reduction

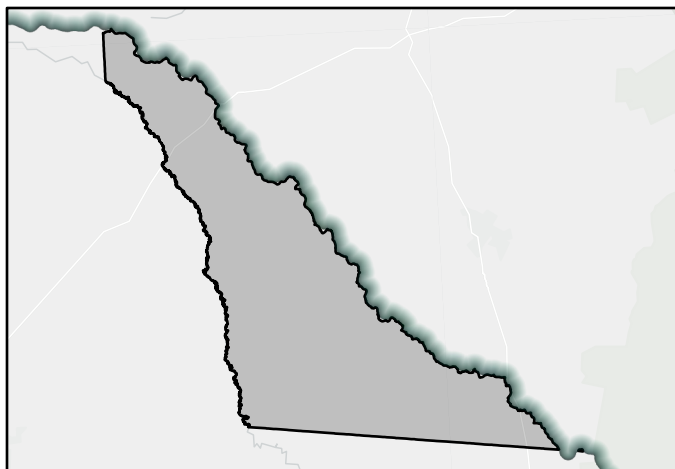
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

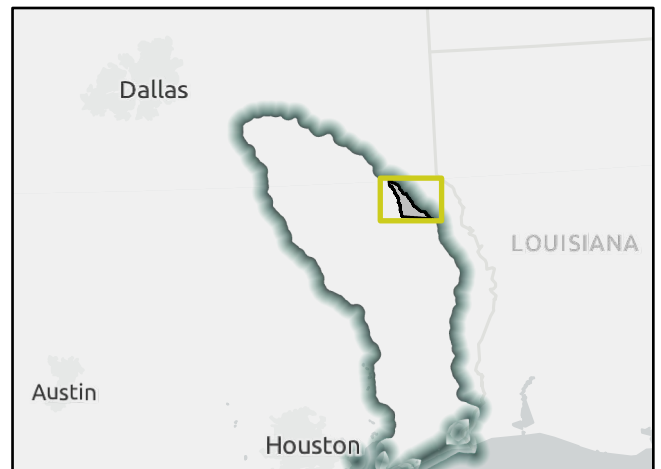
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$111,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
- Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

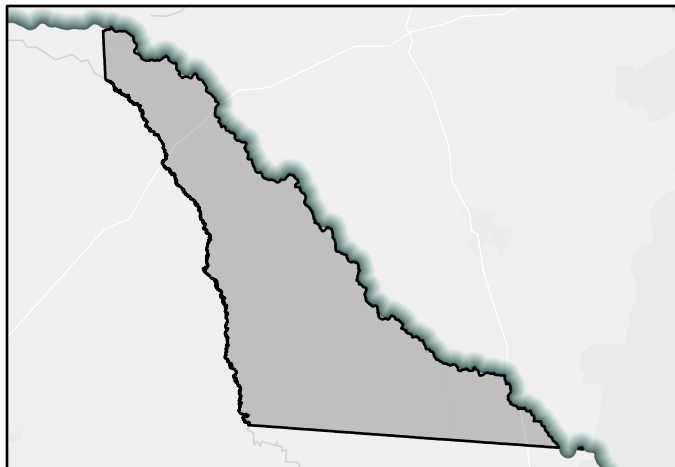
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.  
 Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

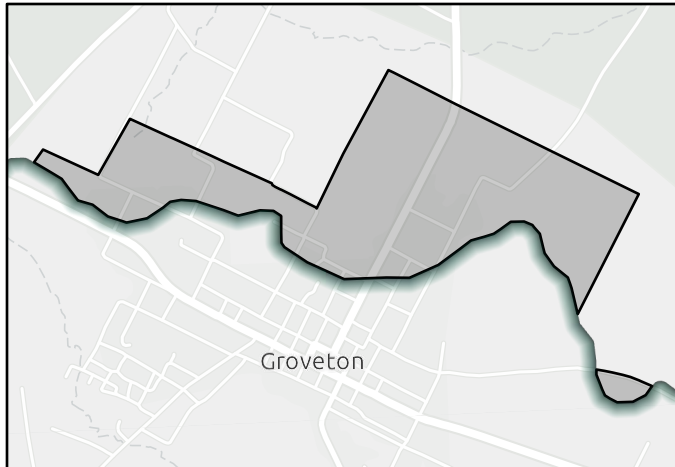
## Impacts

Negative impacts?  Negative impacts description

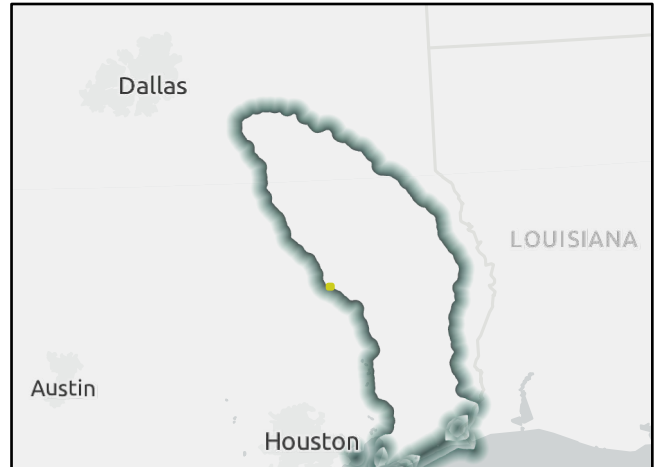
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

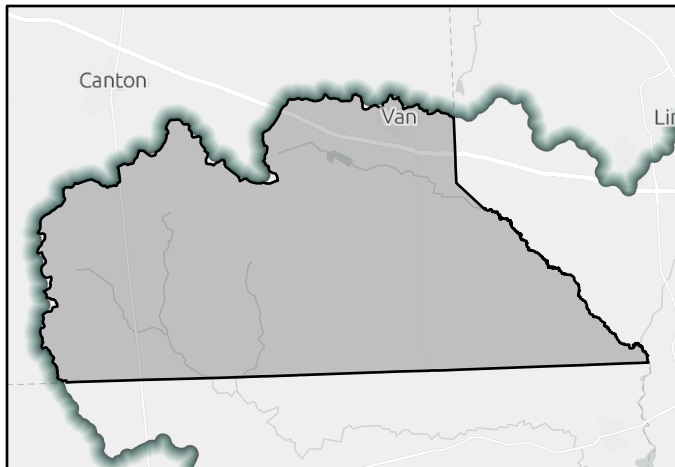
## Impacts

Negative impacts?  Negative impacts description

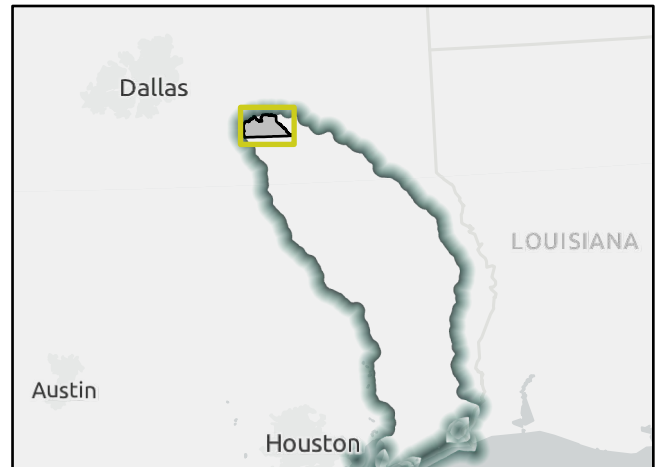
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="8,420"/>	# of structures	<input type="text" value="1,201"/>	Critical facilities	<input type="text" value="11"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="165"/>	Roadway(s) impacted (miles)	<input type="text" value="66"/>		
Number of low water crossings	<input type="text" value="19"/>	Historical road closures	<input type="text" value="19"/>		

## 100-Year Flood Risk Reduction

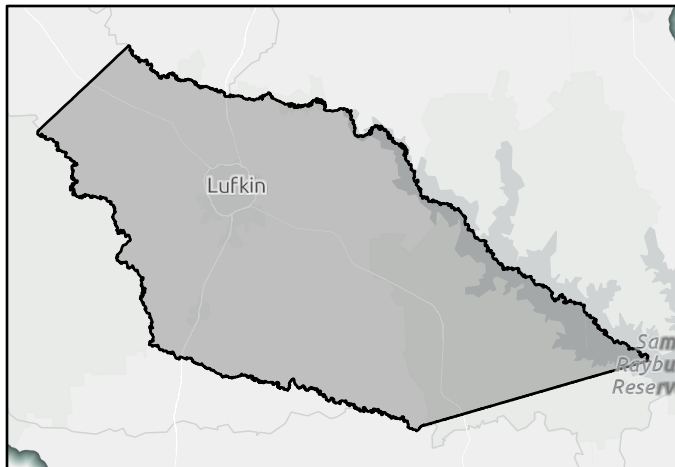
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

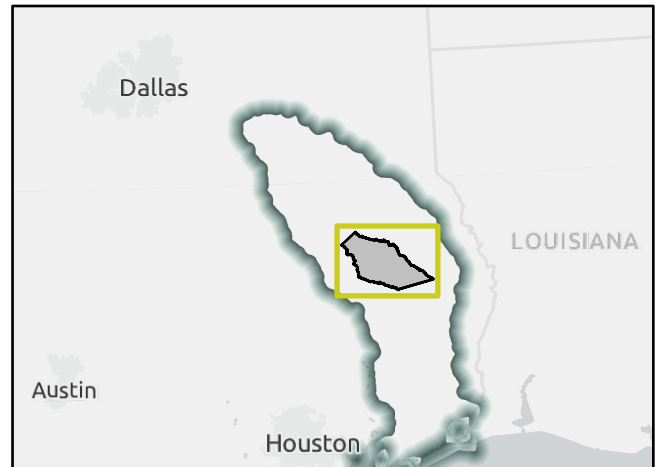
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$2,100,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="100"/>
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FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="8,420"/>	# of structures	<input type="text" value="1,201"/>	Critical facilities	<input type="text" value="11"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="165"/>	Roadway(s) impacted (miles)	<input type="text" value="66"/>		
Number of low water crossings	<input type="text" value="19"/>	Historical road closures	<input type="text" value="19"/>		

## 100-Year Flood Risk Reduction

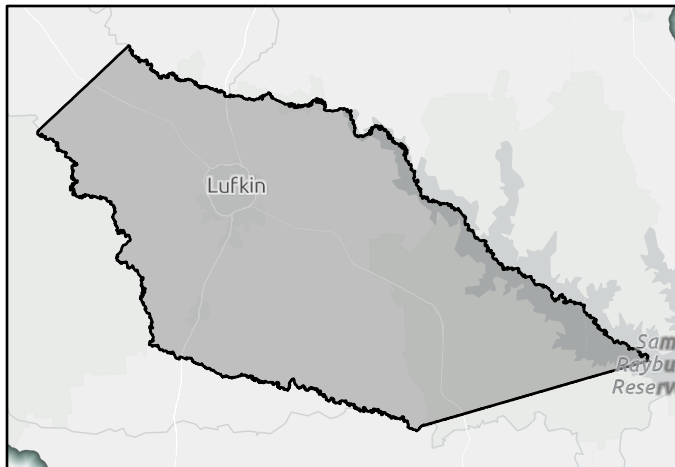
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

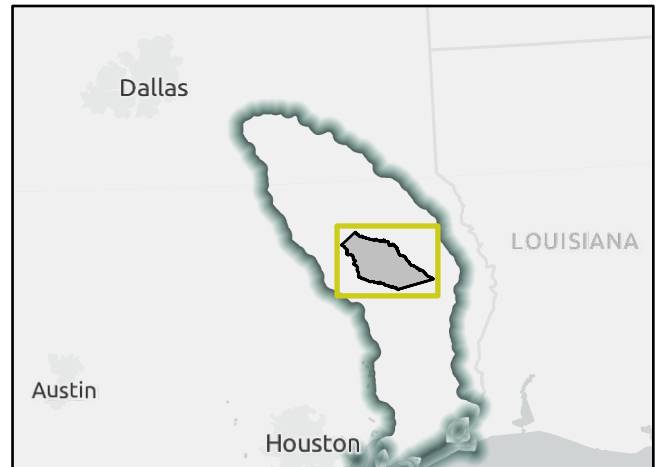
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$630,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal(s)

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="10,528"/>	# of structures	<input type="text" value="3,678"/>	Critical facilities	<input type="text" value="25"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="743"/>	Roadway(s) impacted (miles)	<input type="text" value="136"/>		
Number of low water crossings	<input type="text" value="13"/>	Historical road closures	<input type="text" value="13"/>		

## 100-Year Flood Risk Reduction

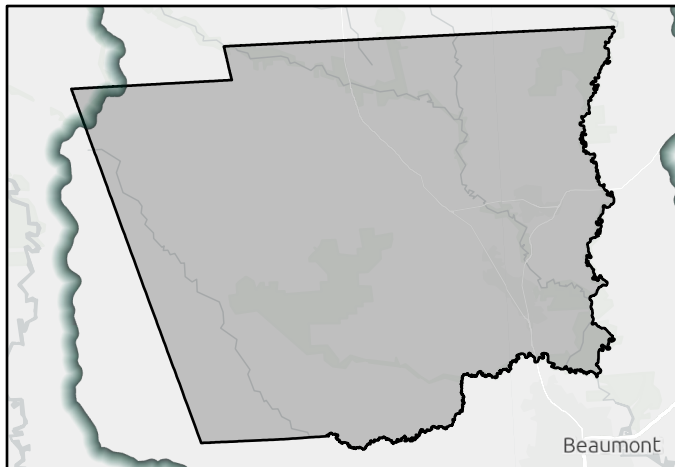
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

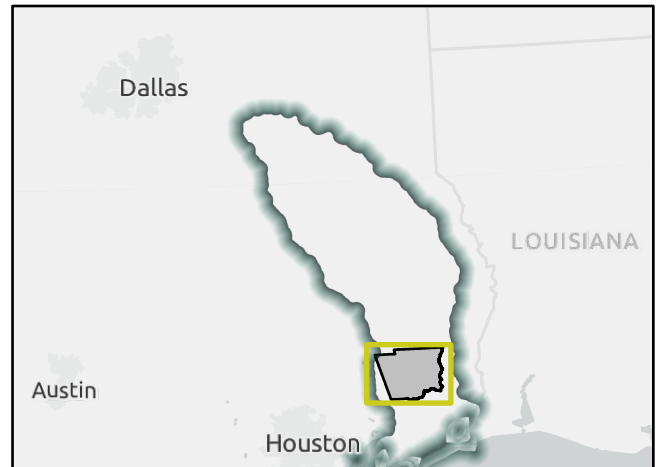
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$4,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="100"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="10,528"/>	# of structures	<input type="text" value="3,678"/>	Critical facilities	<input type="text" value="25"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="743"/>	Roadway(s) impacted (miles)	<input type="text" value="136"/>		
Number of low water crossings	<input type="text" value="13"/>	Historical road closures	<input type="text" value="13"/>		

## 100-Year Flood Risk Reduction

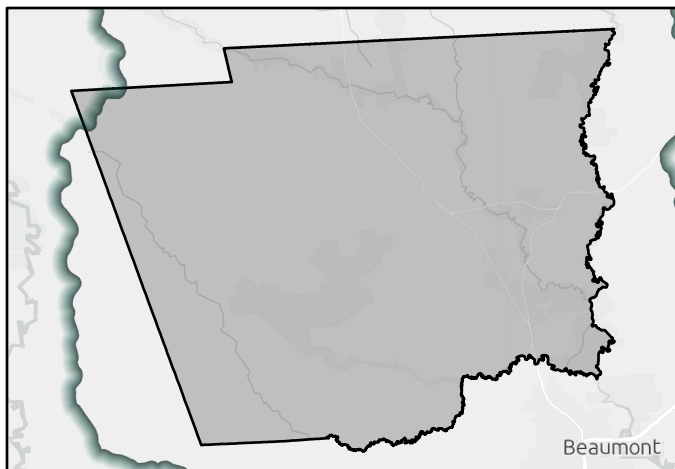
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

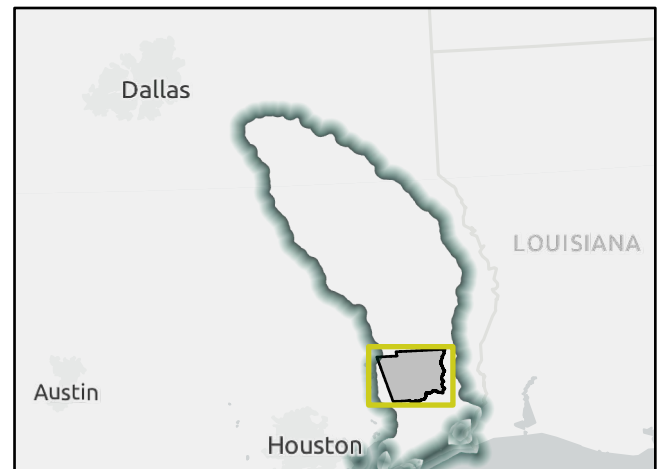
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$7,500,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Kountze Flood Buyout

ID# 052000047 Sponsor Kountze (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Property Acquisition and Structural Elevation County Hardin

Strategy description Voluntary flood buyouts.

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	2	# of structures	3	Critical facilities	0
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input type="checkbox"/> No	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> Yes
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	1		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

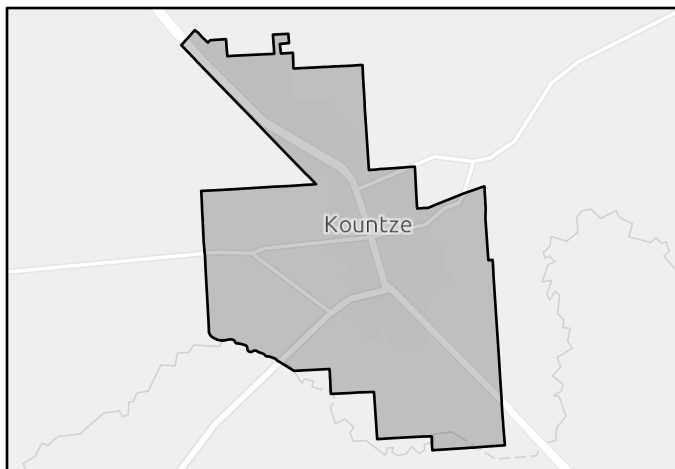
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

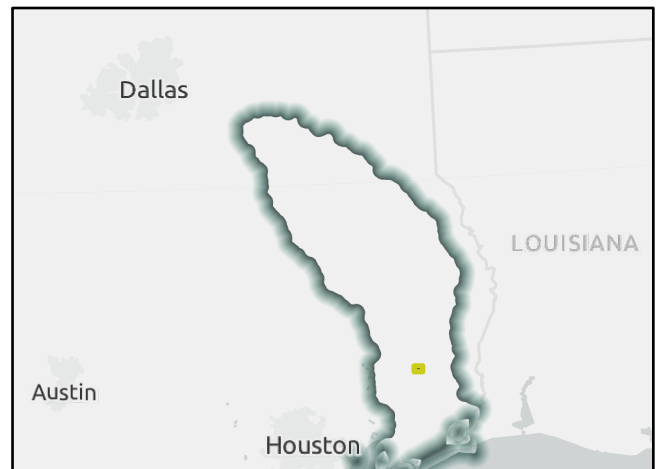
Negative impacts?	<input type="checkbox"/> No	Negative impacts description	-
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$6,000,000	Amount of available funding	-	% Nature-Based	100
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Lumberton Voluntary Flood Buyout

ID# 052000048 Sponsor Lumberton (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Property Acquisition and Structural Elevation County Hardin

Strategy description Voluntary flood buyouts.

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	658	# of structures	235	Critical facilities	0
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input type="checkbox"/> No	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> Yes
Farm/Ranch land impacted (acres)	23	Roadway(s) impacted (miles)	4		
Number of low water crossings	1	Historical road closures	1		

## 100-Year Flood Risk Reduction

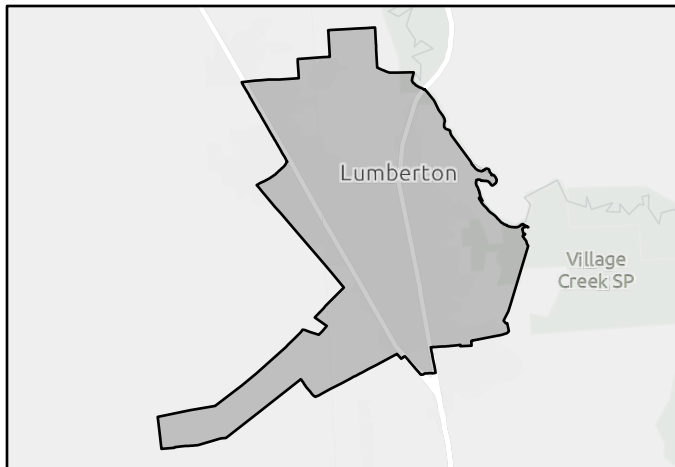
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

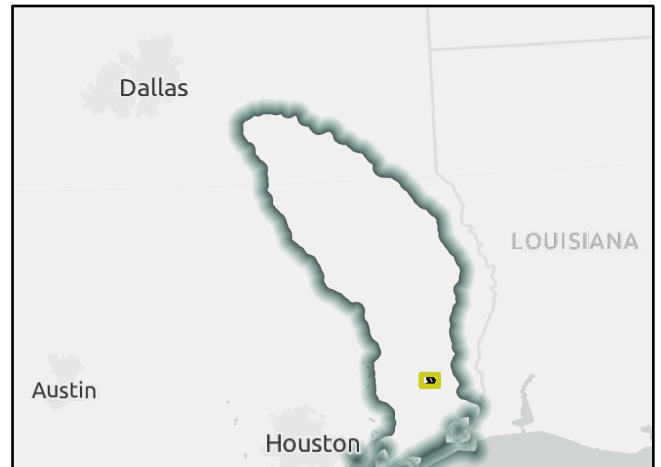
Negative impacts?	<input type="checkbox"/> No	Negative impacts description	-
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$6,000,000	Amount of available funding	-	% Nature-Based	100
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Rose Hill Acres Voluntary Flood Buyout

ID# 052000049 Sponsor Rose Hill Acres (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Property Acquisition and Structural Elevation County Hardin

Strategy description Voluntary flood buyouts.

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	278	# of structures	134	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	2		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

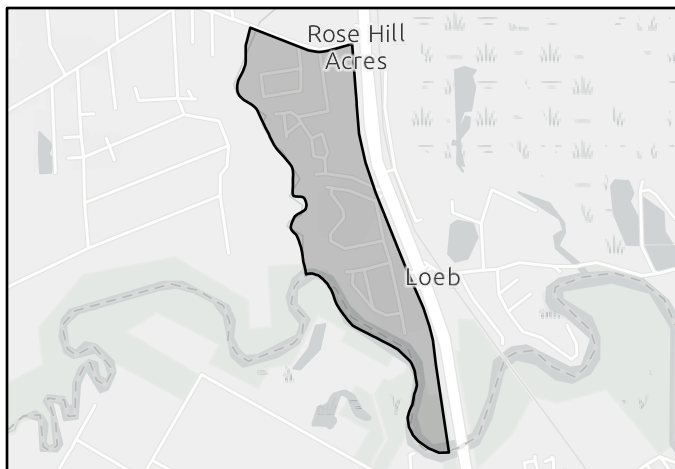
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

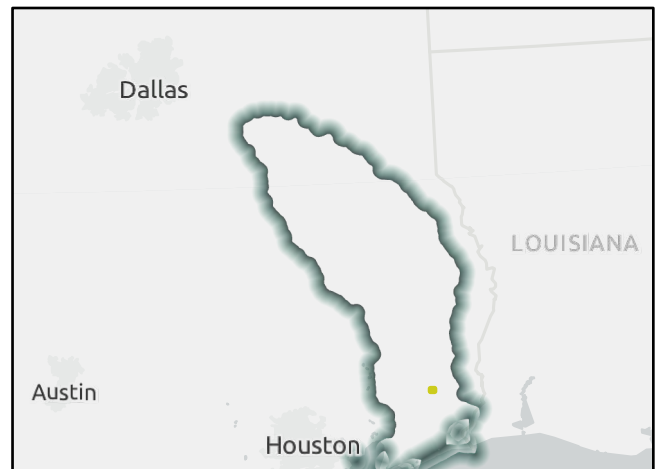
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$5,000,000	Amount of available funding	-	% Nature-Based	100
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FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Rose Hill Acres Voluntary Residential Structure Elevation

ID# 052000050 Sponsor Rose Hill Acres (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Property Acquisition and Structural Elevation County Hardin

Strategy description Voluntary elevations of flood prone properties in Rose Hill Acres.

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	278	# of structures	134	Critical facilities	0
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input type="checkbox"/> No	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> No
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	2		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

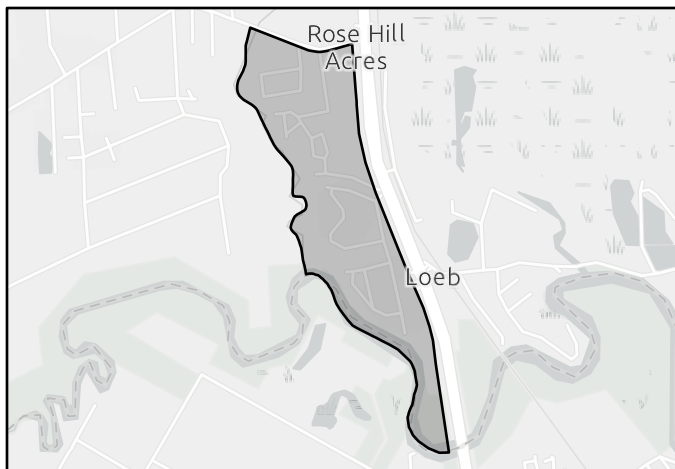
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

Negative impacts?	<input type="checkbox"/> No	Negative impacts description	-
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$6,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Silsbee Voluntary Flood Buyout

ID# 052000051 Sponsor Silsbee (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Property Acquisition and Structural Elevation County Hardin

Strategy description Voluntary flood buyouts.

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	780	# of structures	87	Critical facilities	2
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input type="checkbox"/> No	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> Yes
Farm/Ranch land impacted (acres)	1	Roadway(s) impacted (miles)	2		
Number of low water crossings	3	Historical road closures	3		

## 100-Year Flood Risk Reduction

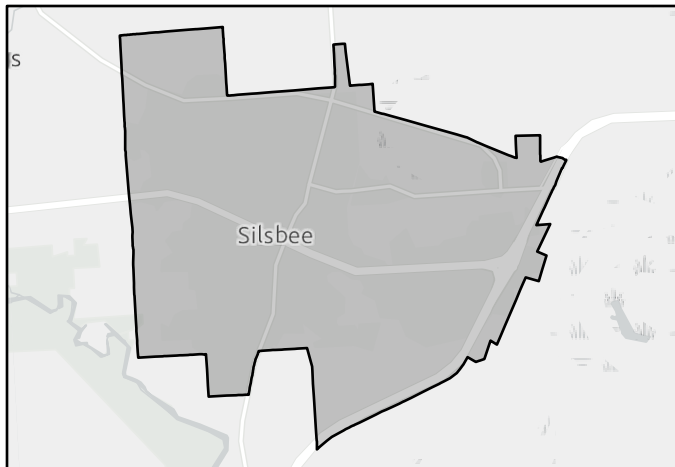
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

Negative impacts?	<input type="checkbox"/> No	Negative impacts description	-
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$6,000,000	Amount of available funding	-	% Nature-Based	100
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Sour Lake Voluntary Flood Buyout

ID# 052000052 Sponsor Sour Lake (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Property Acquisition and Structural Elevation County Hardin

Strategy description Voluntary flood buyouts.

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	1,687	# of structures	435	Critical facilities	7
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input type="checkbox"/> No	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> Yes
Farm/Ranch land impacted (acres)	7	Roadway(s) impacted (miles)	8		
Number of low water crossings	3	Historical road closures	3		

## 100-Year Flood Risk Reduction

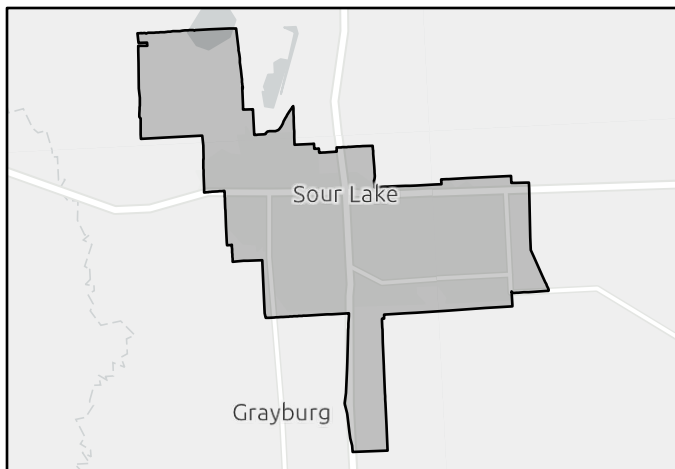
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

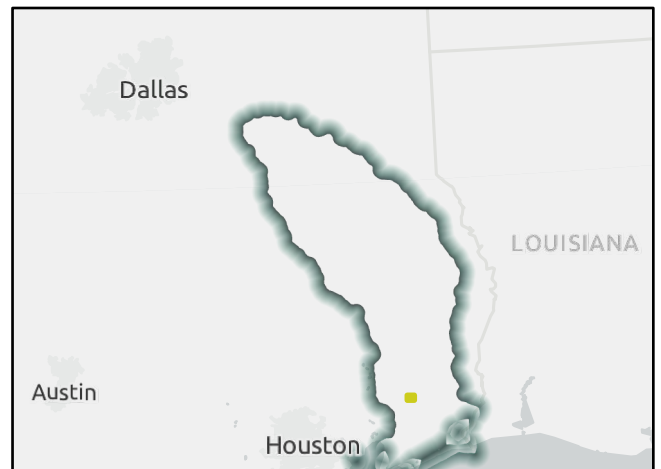
Negative impacts?	<input type="checkbox"/> No	Negative impacts description	-
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$6,000,000	Amount of available funding	-	% Nature-Based	100
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="40,765"/>	# of structures	<input type="text" value="12,869"/>	Critical facilities	<input type="text" value="316"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="33,019"/>	Roadway(s) impacted (miles)	<input type="text" value="474"/>		
Number of low water crossings	<input type="text" value="22"/>	Historical road closures	<input type="text" value="22"/>		

## 100-Year Flood Risk Reduction

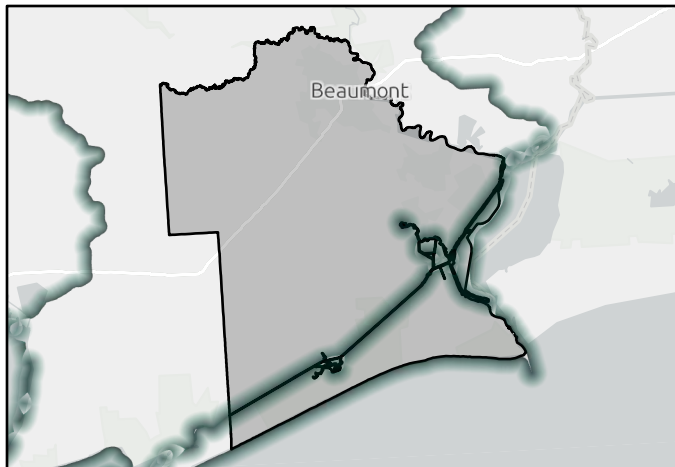
Population removed from 100-yr	<input type="text" value="286"/>	# of structures removed from 100-yr	<input type="text" value="101"/>
Critical facilities removed from 100-yr	<input type="text" value="4"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="45"/>
Road removed from 100-yr (miles)	<input type="text" value="0"/>	Low water crossings removed from 100-yr	<input type="text" value="0"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

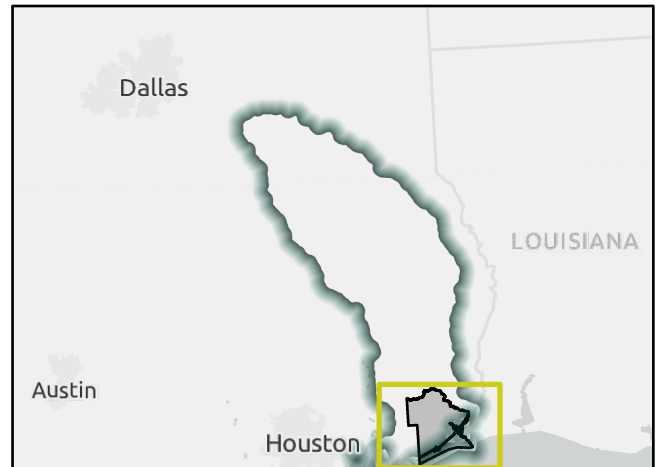
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$1,110,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="143"/>	# of structures	<input type="text" value="116"/>	Critical facilities	<input type="text" value="1"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="1,526"/>	Roadway(s) impacted (miles)	<input type="text" value="7"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## 100-Year Flood Risk Reduction

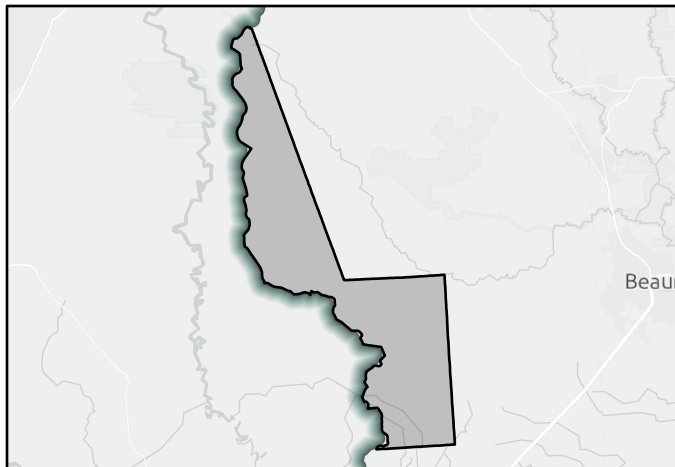
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

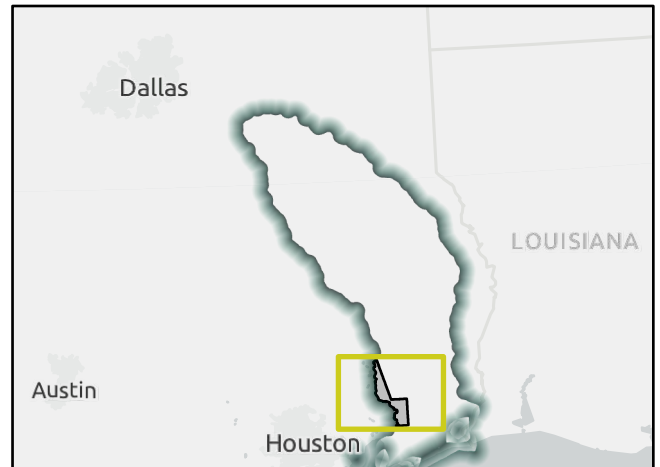
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$2,140,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="100"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Nacogdoches Study and Ranking of Repetitive Loss Structures

ID# 052000055 Sponsor Nacogdoches (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Property Acquisition and Structural Elevation County Nacogdoches

Strategy description Analyze flood-prone properties in the City of Nacogdoches and identify appropriate mitigation options for each repetitive loss structure.

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	5,331	# of structures	446	Critical facilities	1
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	4	Roadway(s) impacted (miles)	14		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

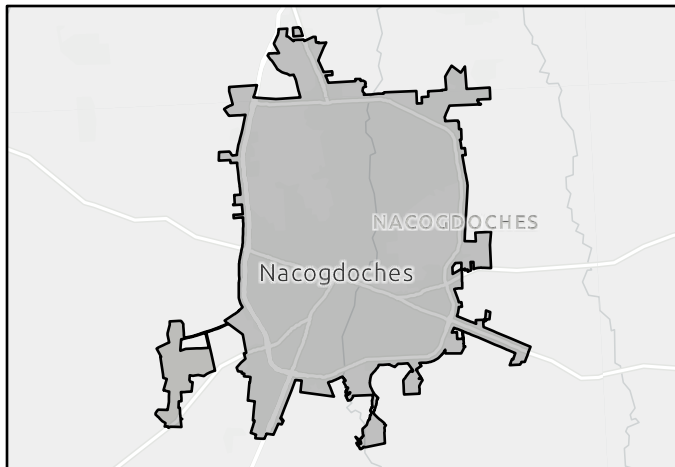
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

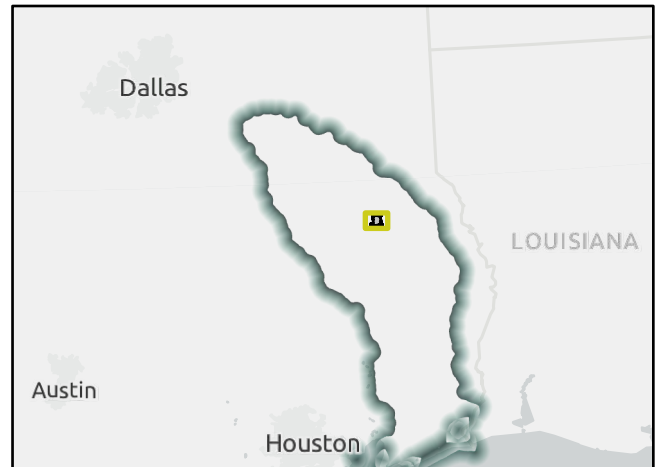
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$327,000	Amount of available funding	-	% Nature-Based	100
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FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title San Augustine County Acquisition and Conversion of Flood Prone Properties

ID# 052000056 Sponsor San Augustine (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Property Acquisition and Structural Elevation County San Augustine

Strategy description Acquire flood prone/repetitive loss properties and convert to open space, parks, boating access, trails, agricultural projects, and/or as a general community asset.

Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	146	# of structures	64	Critical facilities	0
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input checked="" type="checkbox"/> Yes	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> No
Farm/Ranch land impacted (acres)	42	Roadway(s) impacted (miles)	13		
Number of low water crossings	2	Historical road closures	2		

## 100-Year Flood Risk Reduction

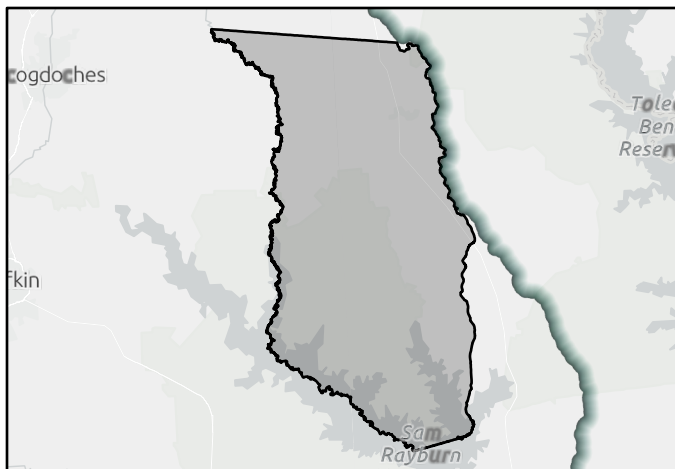
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

Negative impacts?	<input type="checkbox"/> No	Negative impacts description	-
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$530,000	Amount of available funding	-	% Nature-Based	100
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

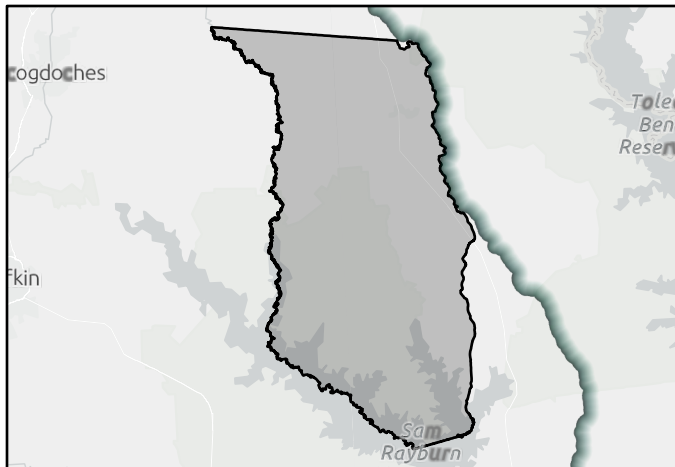
## Impacts

Negative impacts?  Negative impacts description

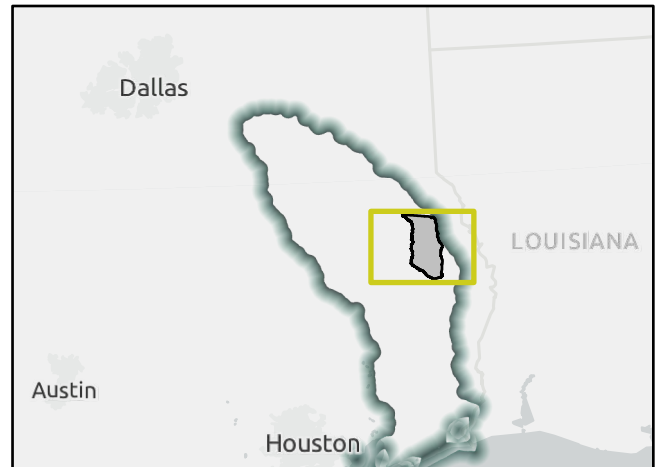
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

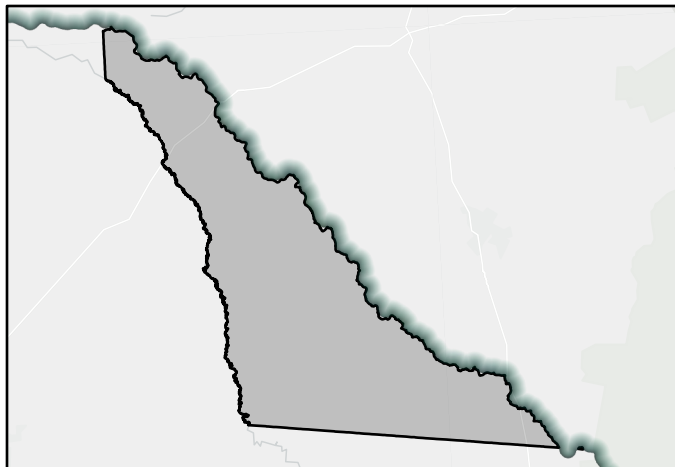
## Impacts

Negative impacts?  Negative impacts description

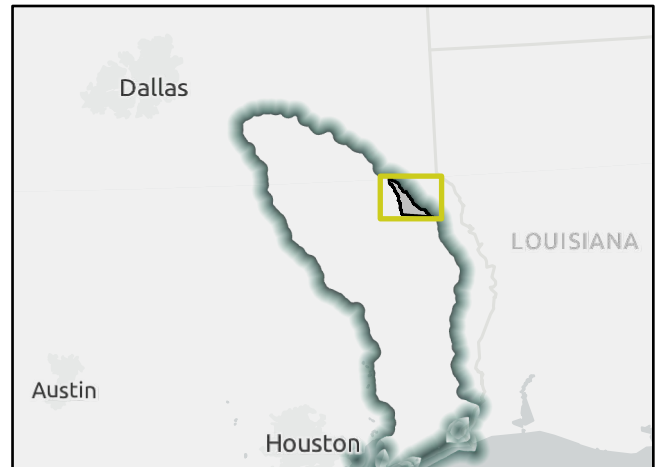
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

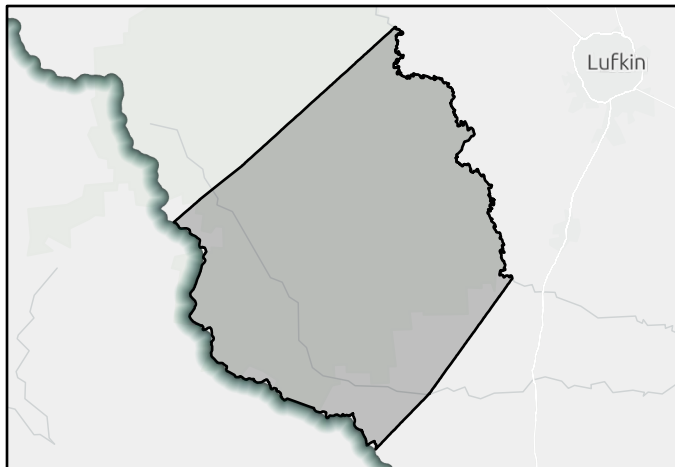
## Impacts

Negative impacts?  Negative impacts description

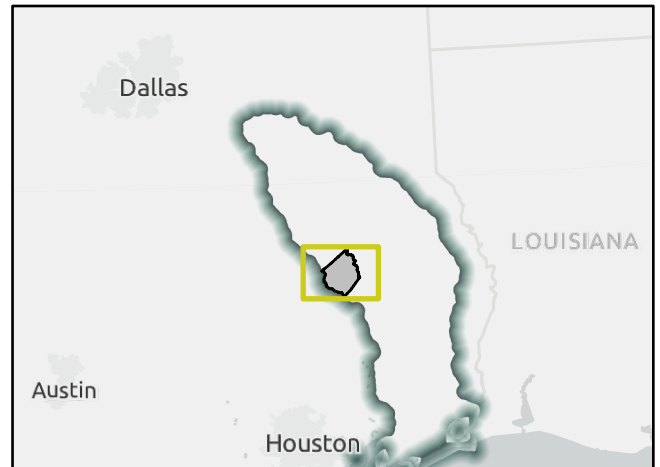
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Groveton Buyout Program Implementation

ID# 052000060 Sponsor Groveton (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Property Acquisition and Structural Elevation County Trinity

Strategy description Develop and implement a program to buyout repetitive loss properties and convert to open space, parks, boating access, trails, and/or as a general community asset.

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk 2 # of structures 3 Critical facilities 0

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

Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (miles) 0

Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

Other benefits - Reduction in # of road closures over 10 years -

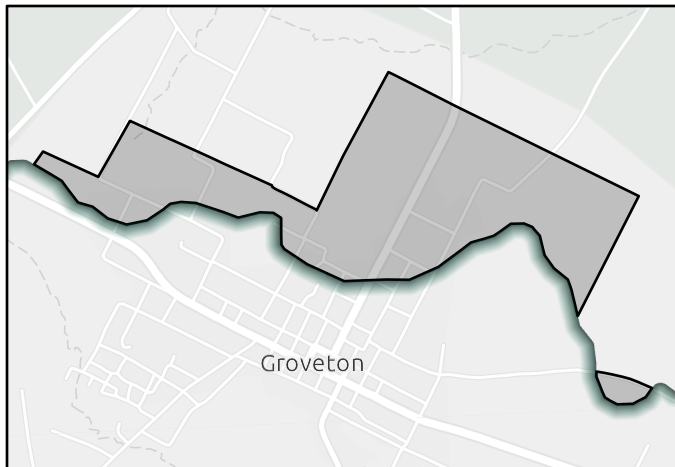
## Impacts

Negative impacts? No Negative impacts description -

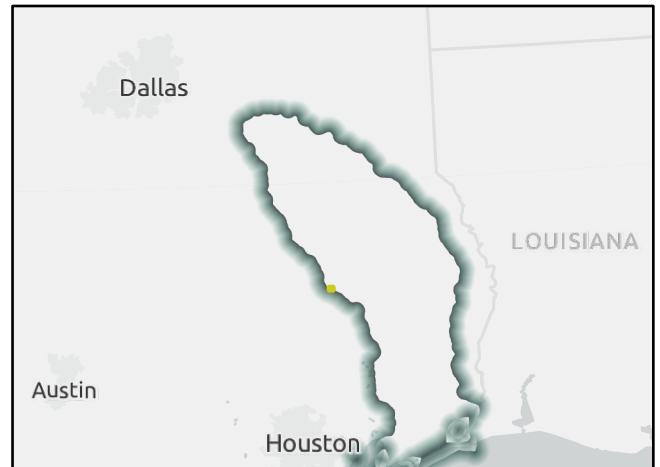
Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$100,000 Amount of available funding - % Nature-Based 100



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Diboll Ordinance and Regulation Update

ID# 052000061 Sponsor Diboll (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County Angelina  
 Strategy description Update building code and subdivision ordinance to include restrictions on the distance a structure can be built from active streams and creeks.

- Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
- Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
- Goal(s) Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk 610 # of structures 118 Critical facilities 6  
 Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No  
 Farm/Ranch land impacted (acres) 1 Roadway(s) impacted (miles) 4  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

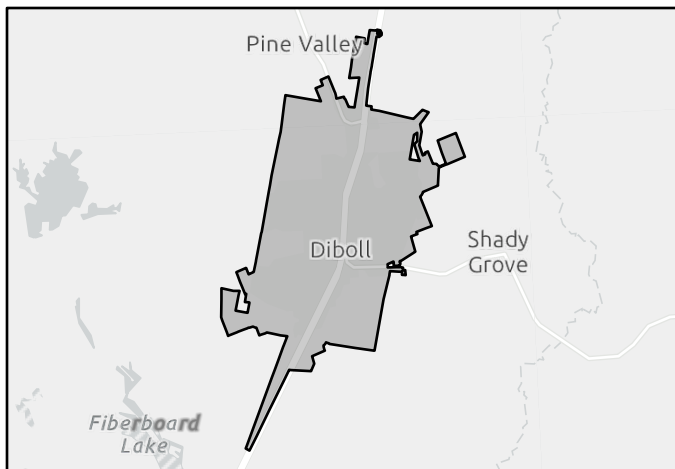
Population removed from 100-yr - # of structures removed from 100-yr -  
 Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -  
 Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -  
 Other benefits - Reduction in # of road closures over 10 years -

## Impacts

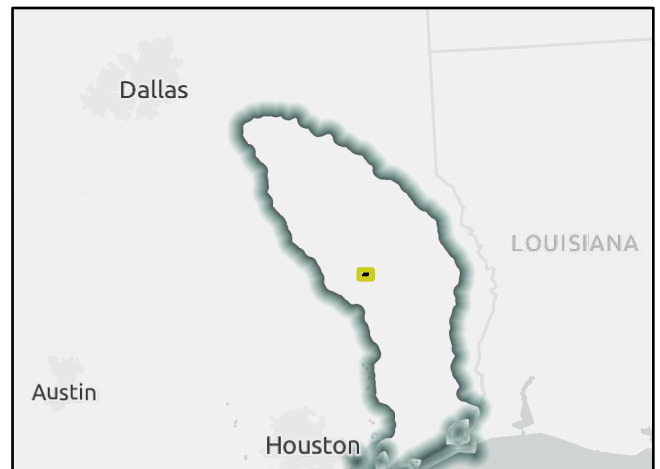
Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$10,000 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Cuney Bridge and Culvert Inspection Program

ID# 052000062 Sponsor Cuney (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County Cherokee

Strategy description Plan and implement a program to regularly inspect low-lying bridges and highway culverts, clear debris, and create safe pathways for excess water runoff, to avoid flooding.

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.
- Goal 3: Give notice to 100% of affected units of local government and solicit funding applications for improvement or removal of 25% of Low Water Crossings identified in the latest Regional Flood Plan.

## Existing 100-Year Flood Risk

Population at risk 0 # of structures 0 Critical facilities 0

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

Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (miles) 0

Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

Other benefits - Reduction in # of road closures over 10 years -

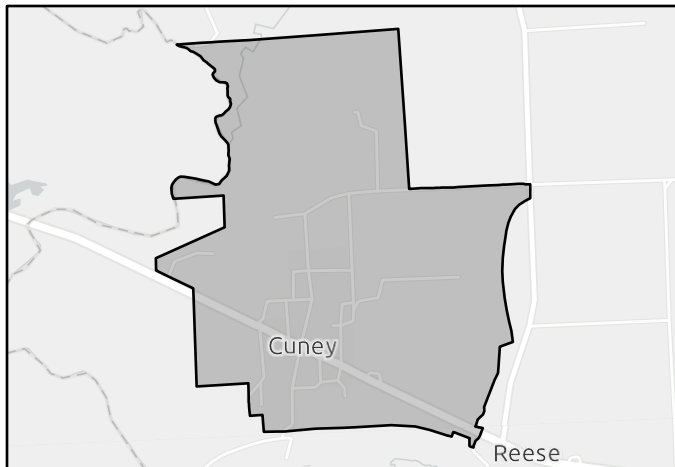
## Impacts

Negative impacts? No Negative impacts description -

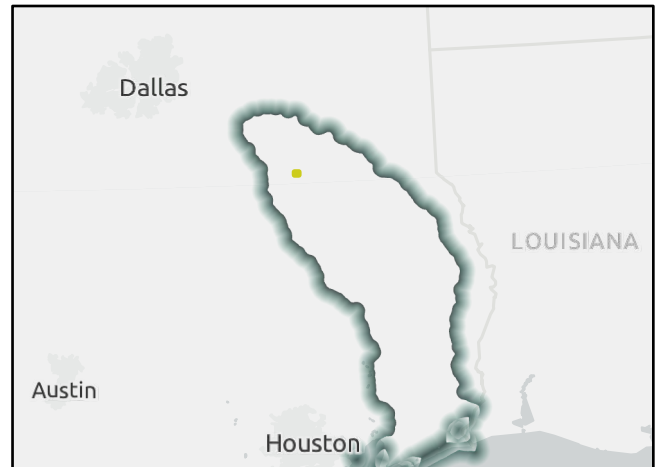
Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$25,000 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Cuney Seek NFIP Participation

ID# 052000063 Sponsor Cuney (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County Cherokee

Strategy description Pass appropriate Resolutions and Ordinances for participation in the National Flood Insurance Program.

- Goal 1: 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(s) Goal 2: 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 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

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

## 100-Year Flood Risk Reduction

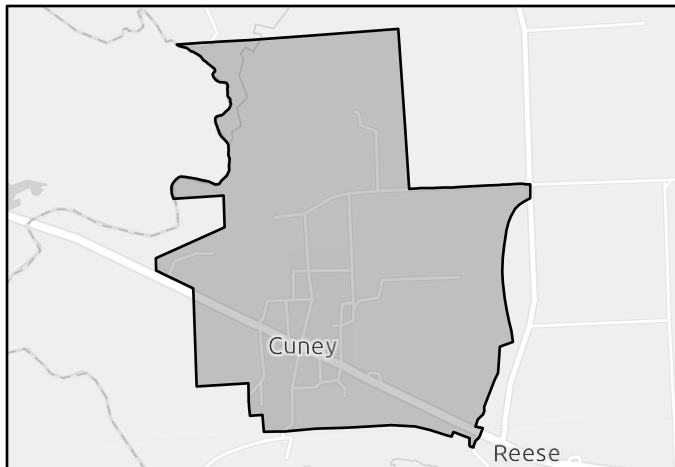
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$5,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Gallatin Multi-Jurisdiction Coordination

ID# 052000064 Sponsor Gallatin (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County Cherokee

Strategy description Work with County or TXDOT to increase drainage capacity in sites that are prone to flooding.

- 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(s) 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: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
- Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

## Existing 100-Year Flood Risk

Population at risk	0	# of structures	2	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	60	Roadway(s) impacted (miles)	1		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

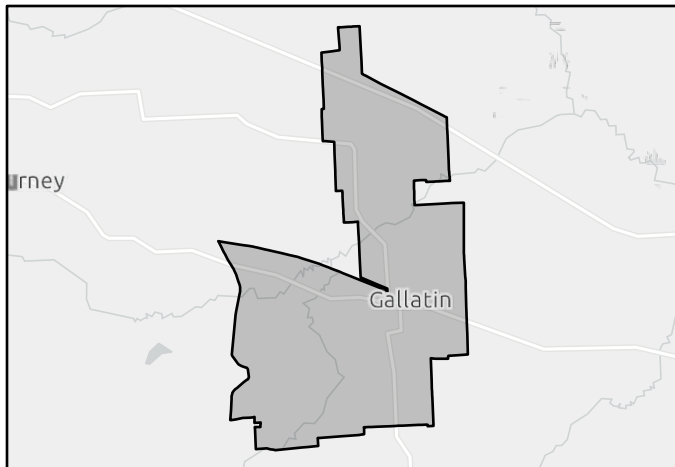
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

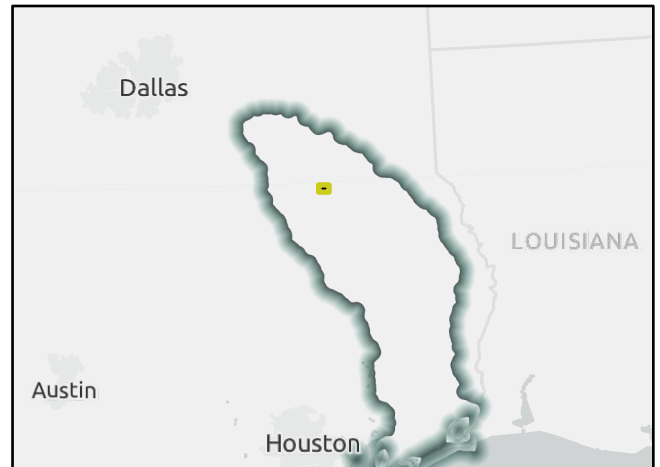
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$5,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Jacksonville Multi-Jurisdiction Coordination

ID# 052000065 Sponsor Jacksonville (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County Cherokee

Strategy description Work with County or TXDOT to increase drainage capacity in sites that are prone to flooding.

- 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(s) 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: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
- Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

## Existing 100-Year Flood Risk

Population at risk	606	# of structures	192	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	4	Roadway(s) impacted (miles)	4		
Number of low water crossings	7	Historical road closures	7		

## 100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$10,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 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(s) Goal 2: 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 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="0"/>	# of structures	<input type="text" value="1"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="1"/>	Roadway(s) impacted (miles)	<input type="text" value="0"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## 100-Year Flood Risk Reduction

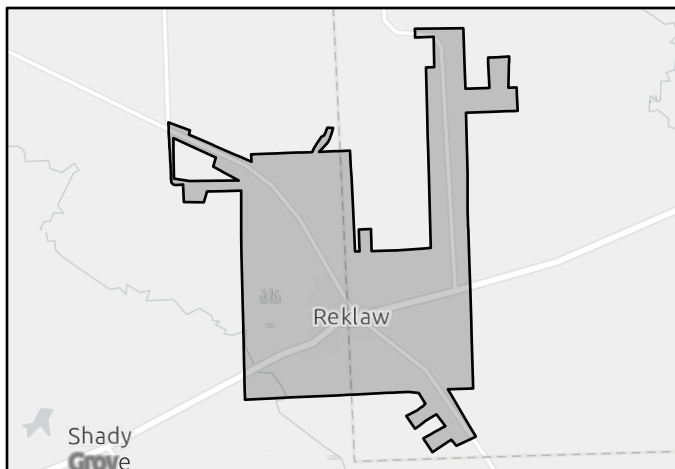
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$10,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Rusk Flood Maps Maintenance and Update

ID# 052000067 Sponsor Rusk (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County Cherokee

Strategy description Work with state and federal agencies to maintain current flood maps.

- 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(s) 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.

## Existing 100-Year Flood Risk

Population at risk	462	# of structures	41	Critical facilities	0
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input checked="" type="checkbox"/> Yes	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> No
Farm/Ranch land impacted (acres)	1	Roadway(s) impacted (miles)	2		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

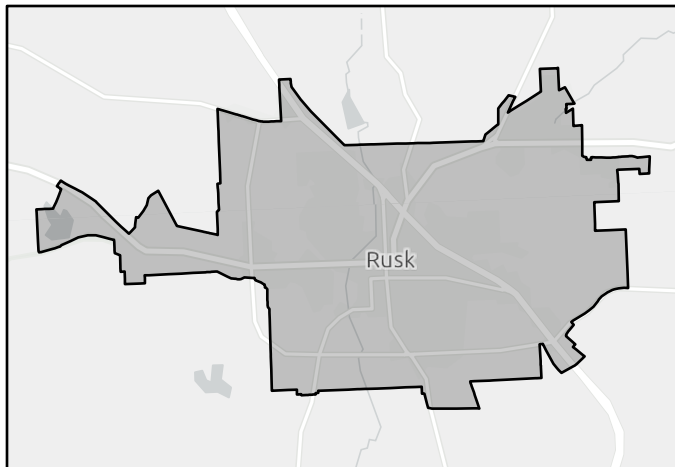
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

Negative impacts?	<input type="checkbox"/> No	Negative impacts description	-
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$10,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 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(s) Goal 2: 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 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="10,528"/>	# of structures	<input type="text" value="3,678"/>	Critical facilities	<input type="text" value="25"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="743"/>	Roadway(s) impacted (miles)	<input type="text" value="136"/>		
Number of low water crossings	<input type="text" value="13"/>	Historical road closures	<input type="text" value="13"/>		

## 100-Year Flood Risk Reduction

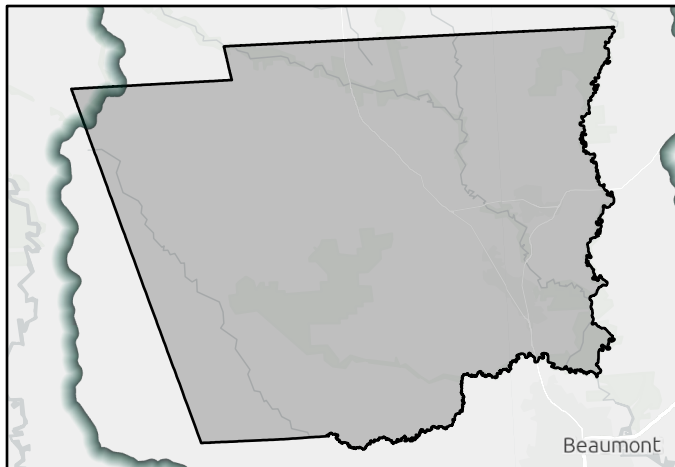
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$80,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 50% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.

Goal(s) Goal 2: 75% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

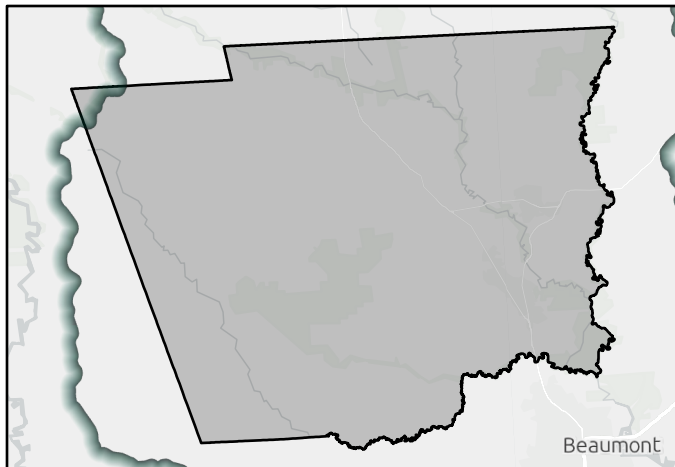
## Impacts

Negative impacts?  Negative impacts description

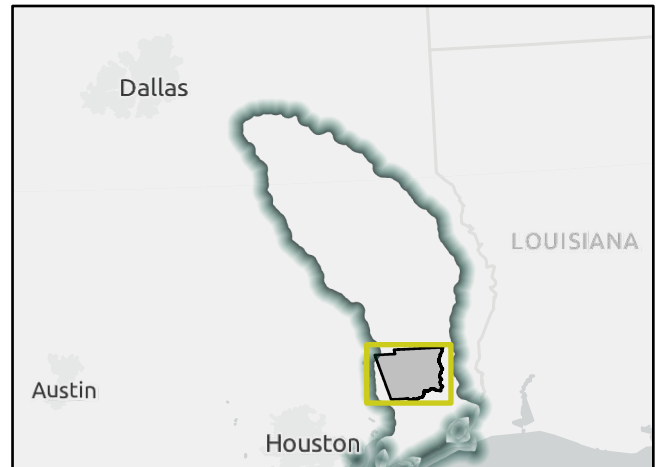
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Kountze Continued NFIP Participation

ID# 052000070 Sponsor Kountze (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County Hardin

Strategy description Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

Goal 1: 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(s) Goal 2: 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 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk 2 # of structures 3 Critical facilities 0

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

Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (miles) 1

Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

Other benefits - Reduction in # of road closures over 10 years -

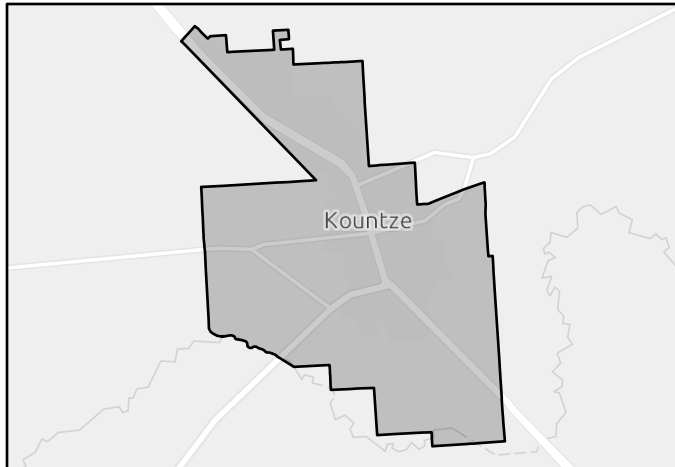
## Impacts

Negative impacts? No Negative impacts description -

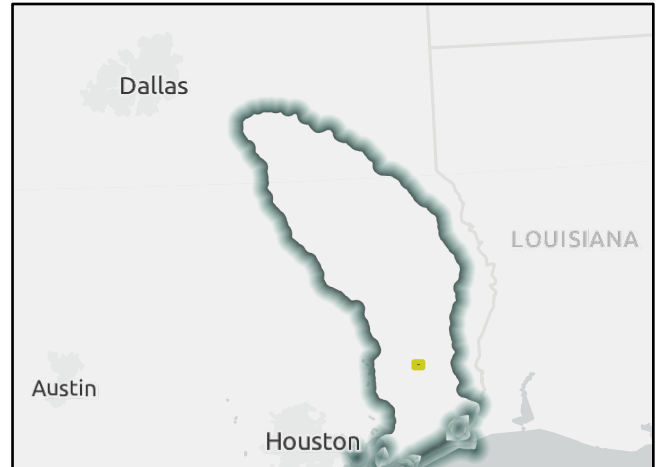
Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$60,000 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Lumberton Continued NFIP Participation

ID# 052000071 Sponsor Lumberton (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County Hardin

Strategy description Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

Goal 1: 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(s) Goal 2: 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 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk	658	# of structures	235	Critical facilities	0
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input type="checkbox"/> No	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> Yes
Farm/Ranch land impacted (acres)	23	Roadway(s) impacted (miles)	4		
Number of low water crossings	1	Historical road closures	1		

## 100-Year Flood Risk Reduction

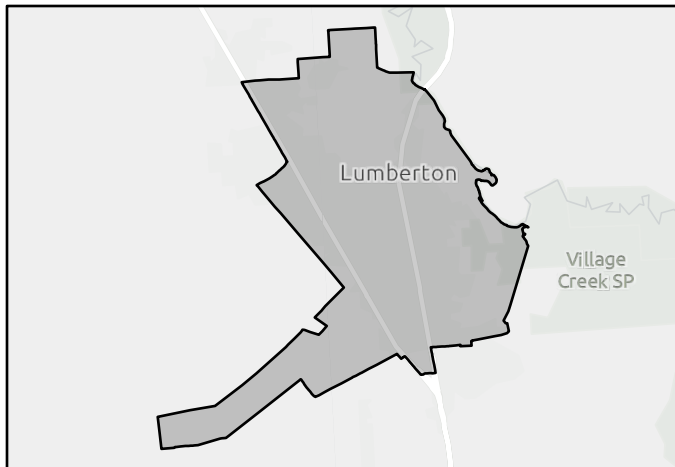
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

Negative impacts?	<input type="checkbox"/> No	Negative impacts description	-
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$80,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Rose Hill Acres Continued NFIP Participation

ID# 052000072 Sponsor Rose Hill Acres (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County Hardin

Strategy description Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

- Goal 1: 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(s) Goal 2: 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 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk	278	# of structures	134	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	2		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

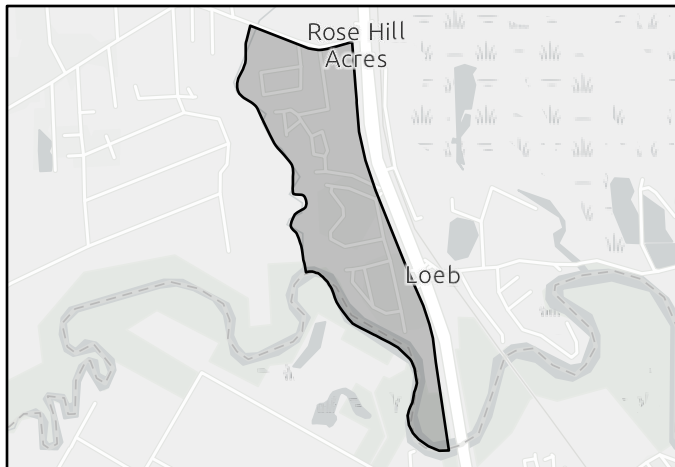
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

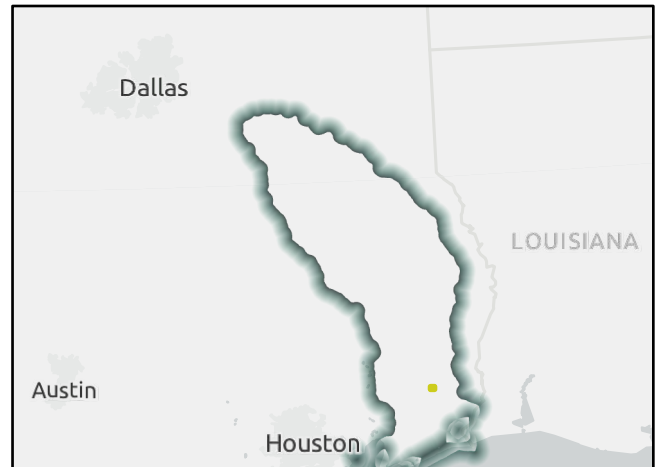
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$80,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 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(s) Goal 2: 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 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

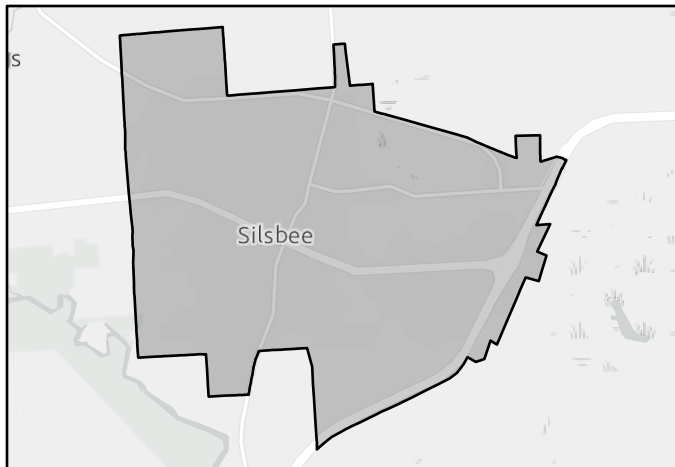
## Impacts

Negative impacts?  Negative impacts description

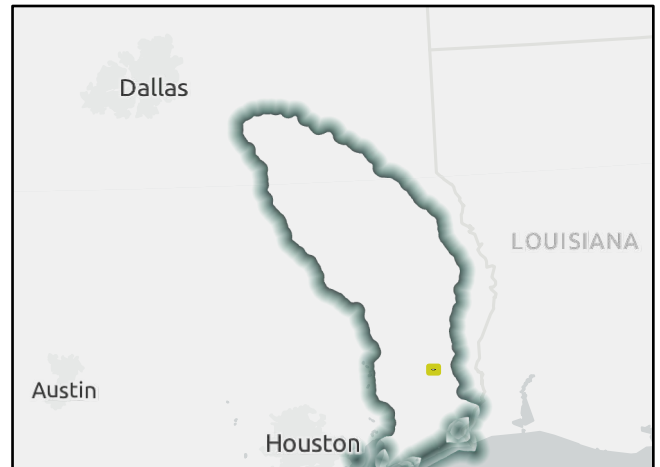
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Sour Lake Continued NFIP Participation

ID# 052000074 Sponsor Sour Lake (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County Hardin

Strategy description Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

- Goal 1: 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(s) Goal 2: 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 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk	1,687	# of structures	435	Critical facilities	7
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? Yes
Farm/Ranch land impacted (acres)	7	Roadway(s) impacted (miles)	8		
Number of low water crossings	3	Historical road closures	3		

## 100-Year Flood Risk Reduction

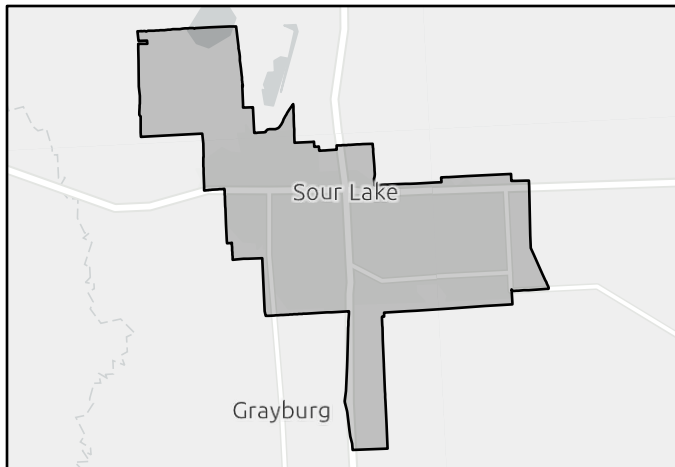
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

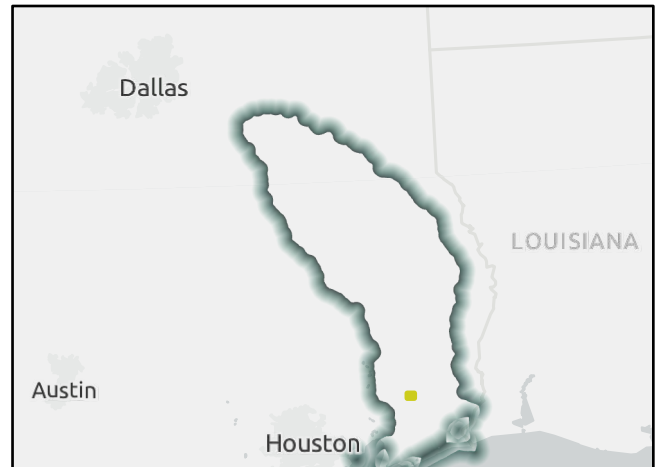
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$60,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal(s)
- 

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

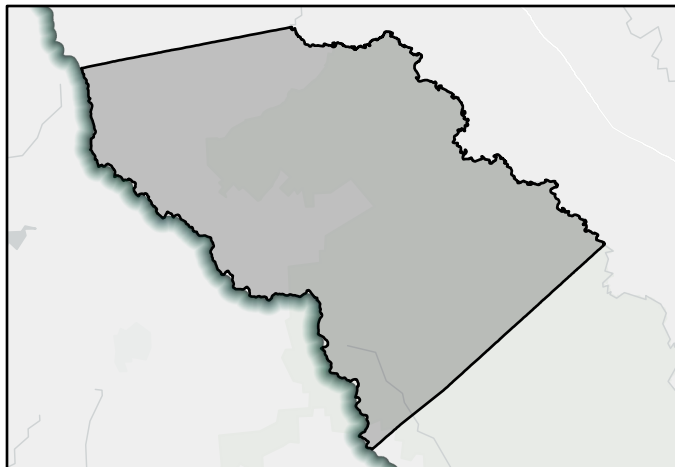
## Impacts

Negative impacts?  Negative impacts description

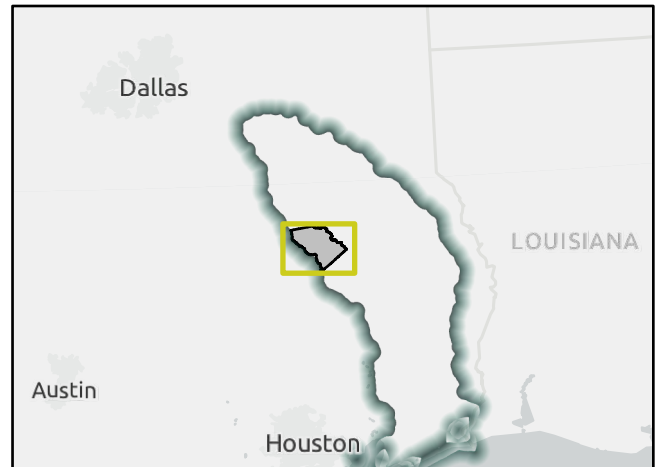
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- 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(s) 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.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="20,772"/>	# of structures	<input type="text" value="6,491"/>	Critical facilities	<input type="text" value="30"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="20,945"/>	Roadway(s) impacted (miles)	<input type="text" value="215"/>		
Number of low water crossings	<input type="text" value="16"/>	Historical road closures	<input type="text" value="16"/>		

## 100-Year Flood Risk Reduction

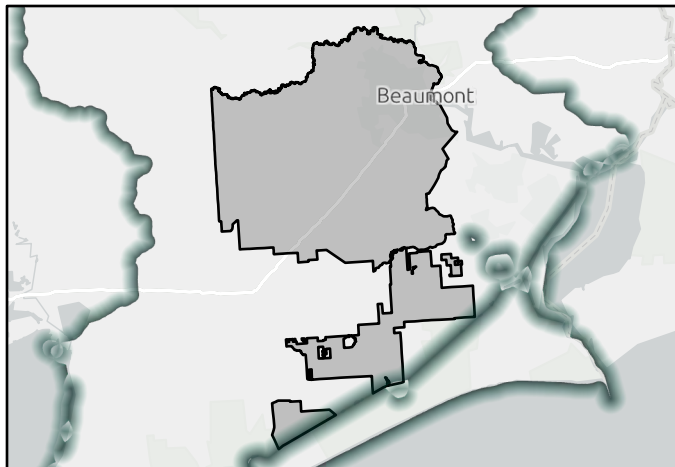
Population removed from 100-yr	<input type="text" value="286"/>	# of structures removed from 100-yr	<input type="text" value="101"/>
Critical facilities removed from 100-yr	<input type="text" value="4"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="45"/>
Road removed from 100-yr (miles)	<input type="text" value="0"/>	Low water crossings removed from 100-yr	<input type="text" value="0"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

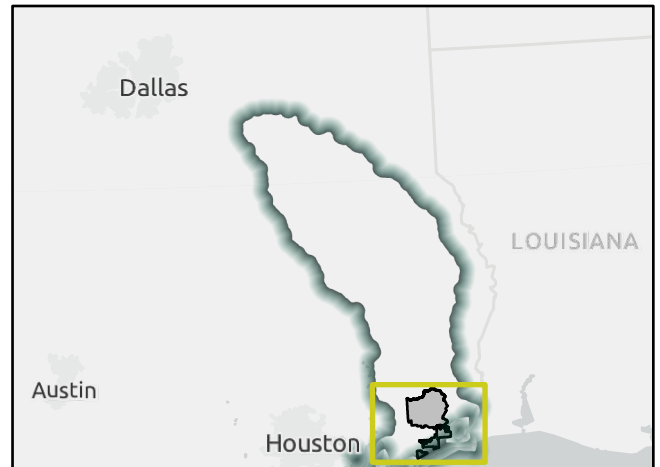
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$20,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="20,772"/>	# of structures	<input type="text" value="6,491"/>	Critical facilities	<input type="text" value="30"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="20,945"/>	Roadway(s) impacted (miles)	<input type="text" value="215"/>		
Number of low water crossings	<input type="text" value="16"/>	Historical road closures	<input type="text" value="16"/>		

## 100-Year Flood Risk Reduction

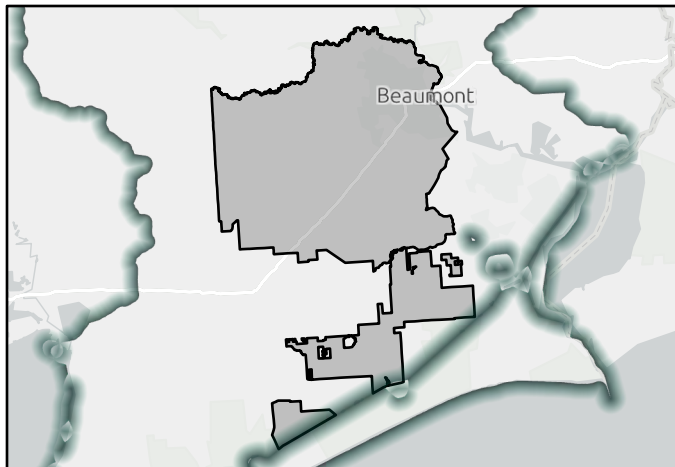
Population removed from 100-yr	<input type="text" value="286"/>	# of structures removed from 100-yr	<input type="text" value="101"/>
Critical facilities removed from 100-yr	<input type="text" value="4"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="45"/>
Road removed from 100-yr (miles)	<input type="text" value="0"/>	Low water crossings removed from 100-yr	<input type="text" value="0"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

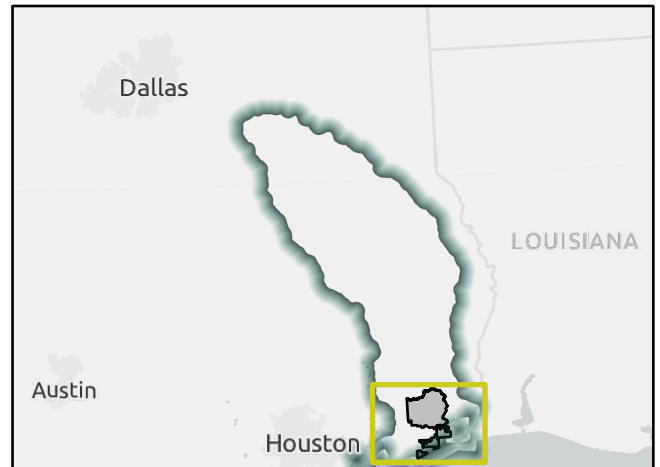
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$60,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal(s)
- Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
  - Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
  - Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="17,575"/>	# of structures	<input type="text" value="4,705"/>	Critical facilities	<input type="text" value="82"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="876"/>	Roadway(s) impacted (miles)	<input type="text" value="95"/>		
Number of low water crossings	<input type="text" value="3"/>	Historical road closures	<input type="text" value="3"/>		

## 100-Year Flood Risk Reduction

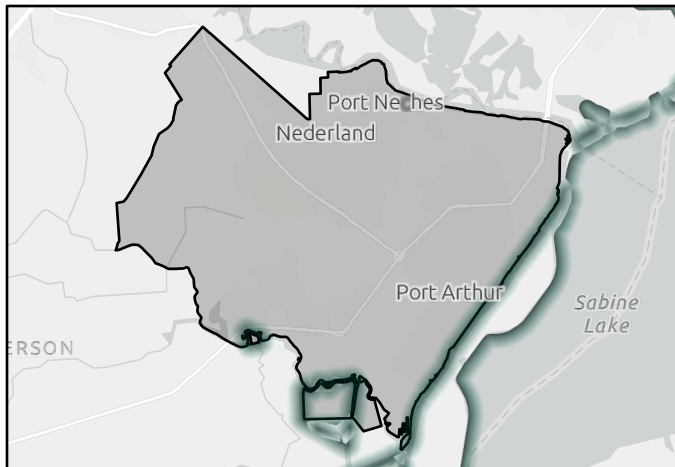
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

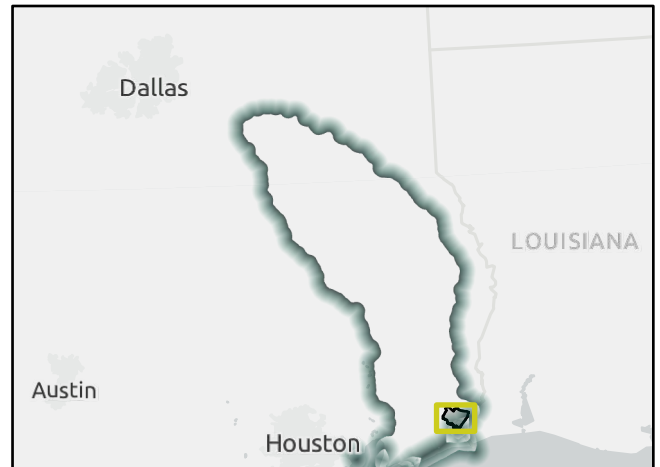
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$50,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Daisetta Property Construction Ordinance

ID# 052000079 Sponsor Daisetta (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County Liberty

Strategy description The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain.

Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk 0 # of structures 0 Critical facilities 0

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

Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (miles) 0

Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

Other benefits - Reduction in # of road closures over 10 years -

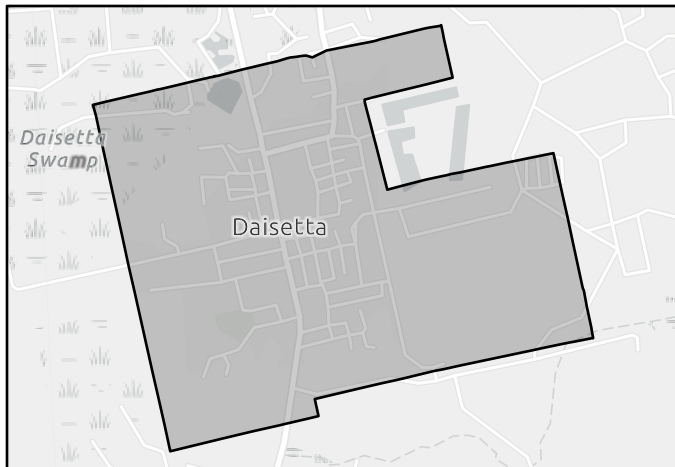
## Impacts

Negative impacts? No Negative impacts description -

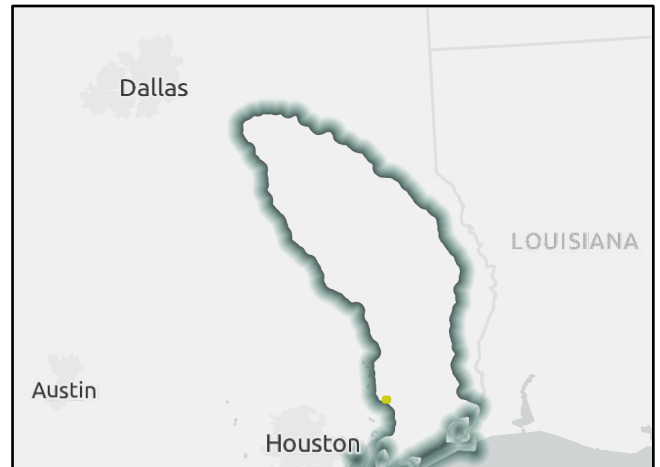
Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$10,000 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Daisetta Property Elevation Ordinance

ID# 052000080 Sponsor Daisetta (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County Liberty

Strategy description The city shall adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet above base flood elevation.

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

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

## 100-Year Flood Risk Reduction

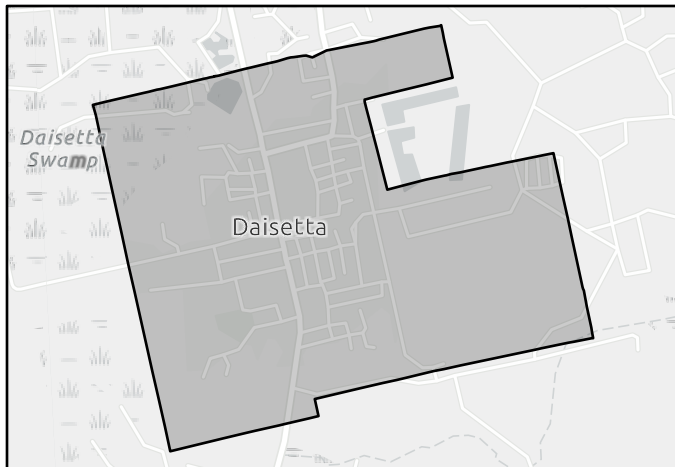
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

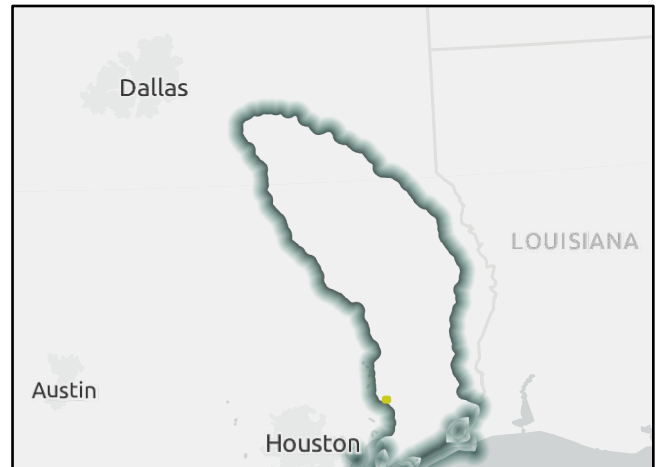
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$5,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Hardin Subdivision Ordinance Implementation

ID# 052000081 Sponsor Hardin (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County Liberty

Strategy description Implement subdivision ordinance regulations concerning building in flood-prone areas.

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	1	# of structures	1	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? Yes
Farm/Ranch land impacted (acres)	1	Roadway(s) impacted (miles)	0		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

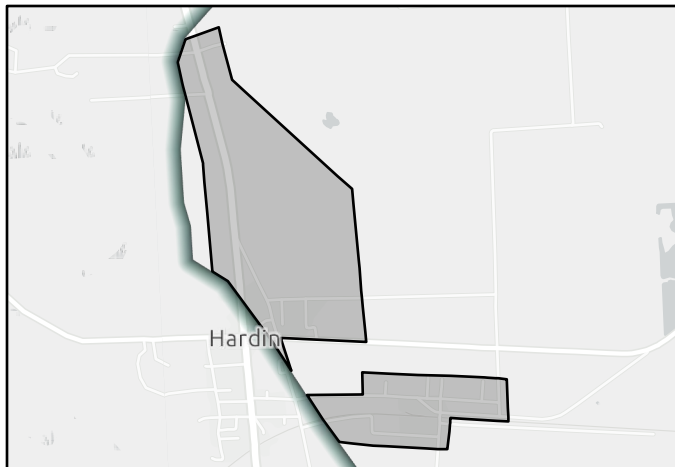
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

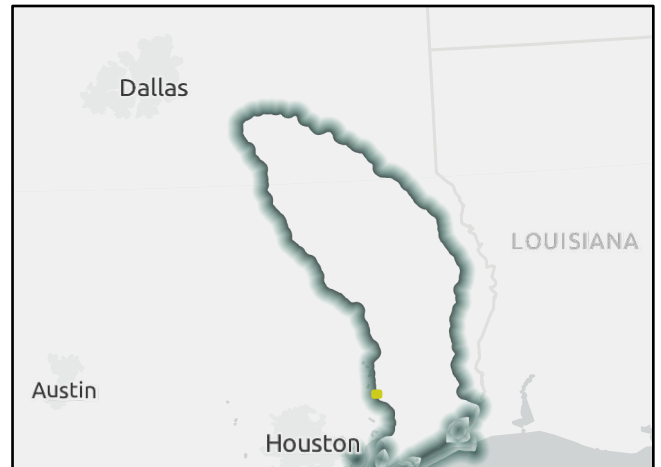
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$10,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.
- Goal(s) Goal 2: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 75% of communities.
- Goal 3: 50% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="5,331"/>	# of structures	<input type="text" value="446"/>	Critical facilities	<input type="text" value="1"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="4"/>	Roadway(s) impacted (miles)	<input type="text" value="14"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## 100-Year Flood Risk Reduction

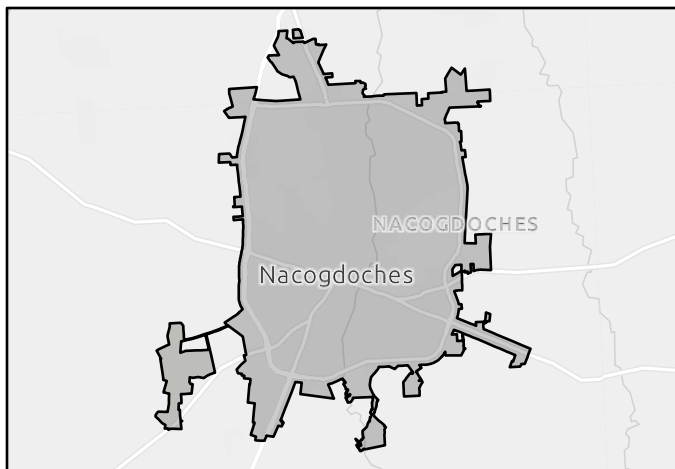
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$40,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 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(s) Goal 2: 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 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="5,331"/>	# of structures	<input type="text" value="446"/>	Critical facilities	<input type="text" value="1"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="4"/>	Roadway(s) impacted (miles)	<input type="text" value="14"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## 100-Year Flood Risk Reduction

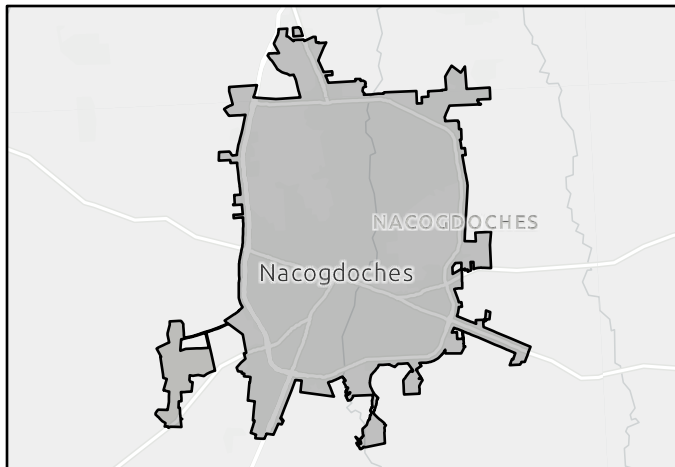
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

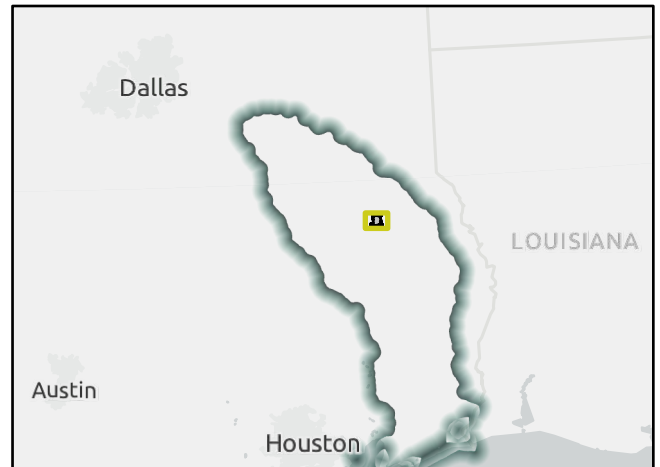
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$30,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

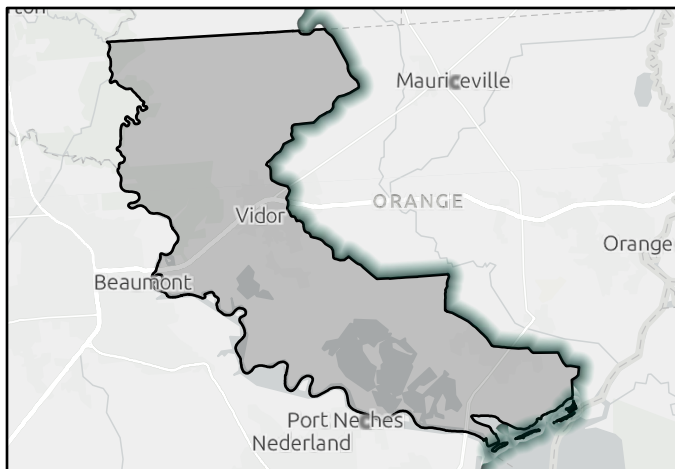
## Impacts

Negative impacts?  Negative impacts description

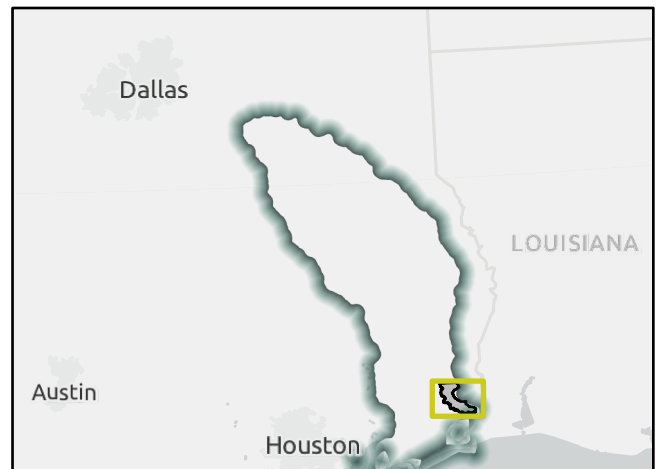
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal(s)

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="11,929"/>	# of structures	<input type="text" value="5,007"/>	Critical facilities	<input type="text" value="36"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="346"/>	Roadway(s) impacted (miles)	<input type="text" value="136"/>		
Number of low water crossings	<input type="text" value="20"/>	Historical road closures	<input type="text" value="20"/>		

## 100-Year Flood Risk Reduction

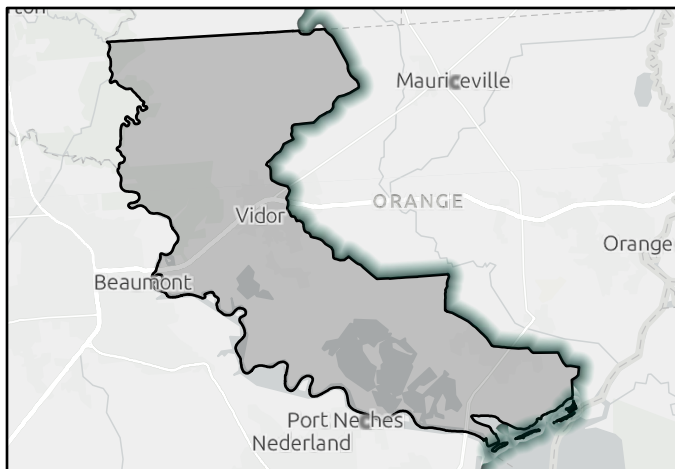
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

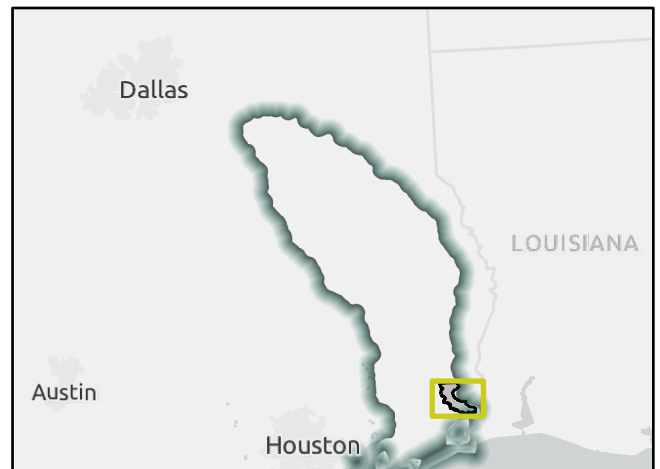
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$40,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title San Augustine County Continue NFIP Participation

ID# 052000086 Sponsor San Augustine (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County San Augustine  
 Strategy description Continue participation in the National Flood Insurance Program (NFIP) and expand administration and monitoring capabilities

- Goal 1: 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(s) Goal 2: 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 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk 146 # of structures 64 Critical facilities 0  
 Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No  
 Farm/Ranch land impacted (acres) 42 Roadway(s) impacted (miles) 13  
 Number of low water crossings 2 Historical road closures 2

## 100-Year Flood Risk Reduction

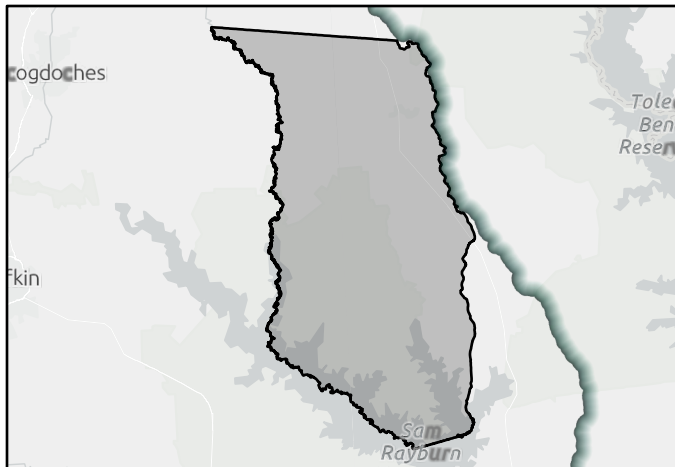
Population removed from 100-yr - # of structures removed from 100-yr -  
 Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -  
 Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -  
 Other benefits - Reduction in # of road closures over 10 years -

## Impacts

Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$53,000 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Lindale Natural Runoff Policies Implementation

ID# 052000087 Sponsor Lindale (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County Smith

Strategy description Incorporate "natural run-off" policies. Calculate cumulative effect of development, increase capacity of storm water drainage systems, institute regular drain system maintenance.

Goal 1: 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(s) Goal 2: 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.

## Existing 100-Year Flood Risk

Population at risk 69 # of structures 17 Critical facilities 0

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

Farm/Ranch land impacted (acres) 1 Roadway(s) impacted (miles) 0

Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

Other benefits - Reduction in # of road closures over 10 years -

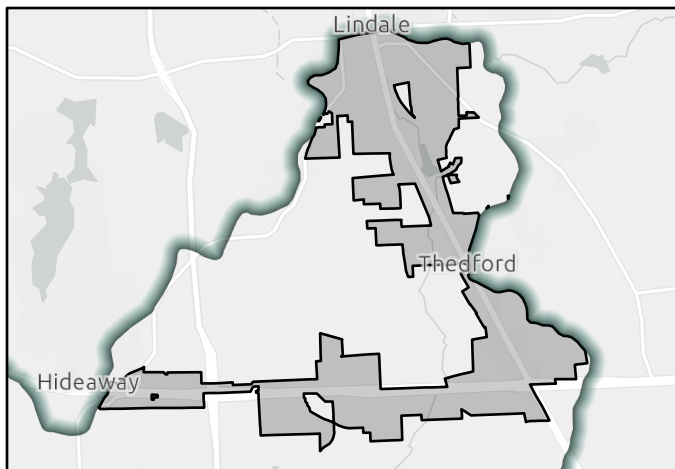
## Impacts

Negative impacts? No Negative impacts description -

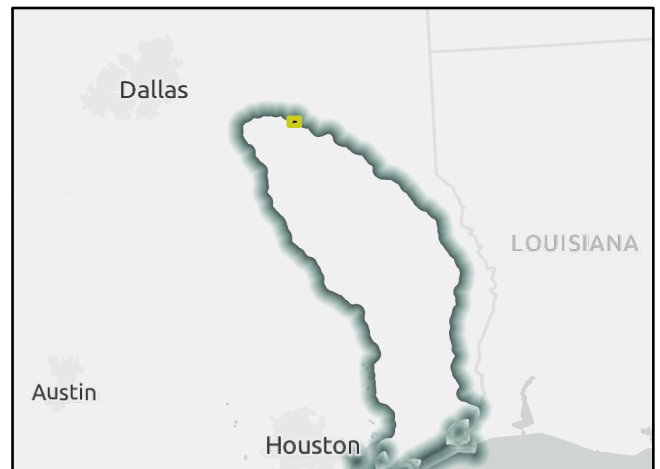
Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$30,000 Amount of available funding - % Nature-Based 100



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Lindale No Adverse Impact Implementation

ID# 052000088 Sponsor Lindale (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Regulatory and Guidance County Smith

Strategy description Incorporate "no adverse impact" design requirements in community development. Provide awareness to stakeholders and design engineers; building code adoption and plan approval process.

- Goal 1: 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(s) Goal 2: 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 3: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## Existing 100-Year Flood Risk

Population at risk	69	# of structures	17	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	1	Roadway(s) impacted (miles)	0		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

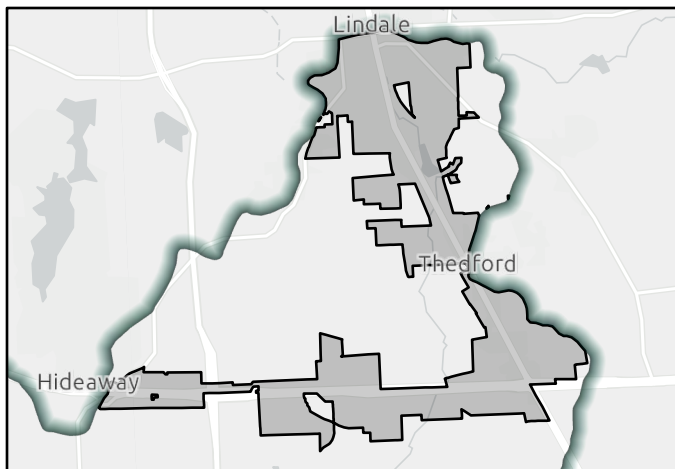
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

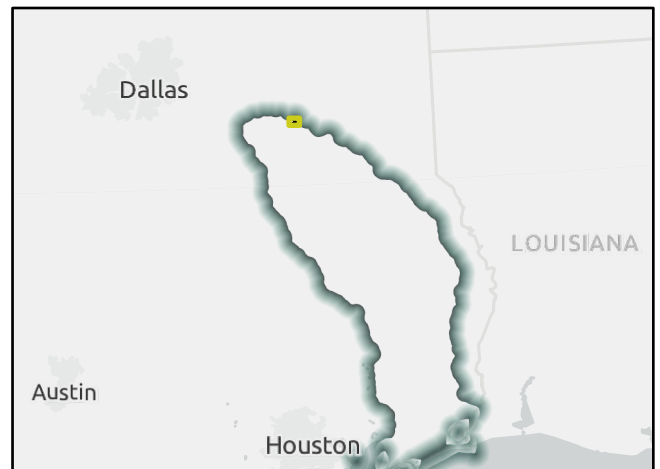
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$60,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 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(s) Goal 2: 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 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

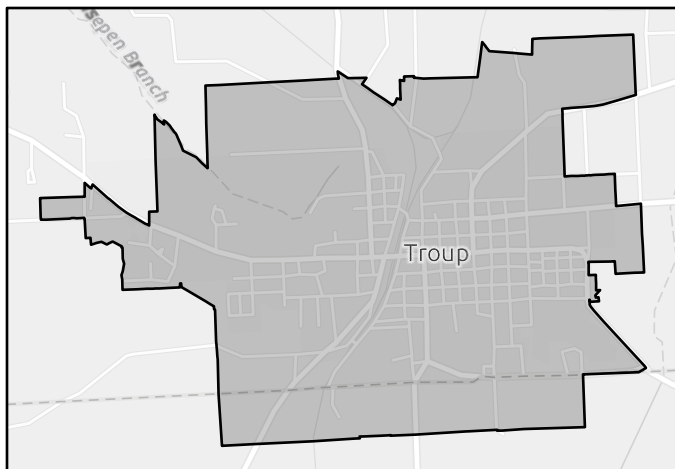
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

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(s) 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.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

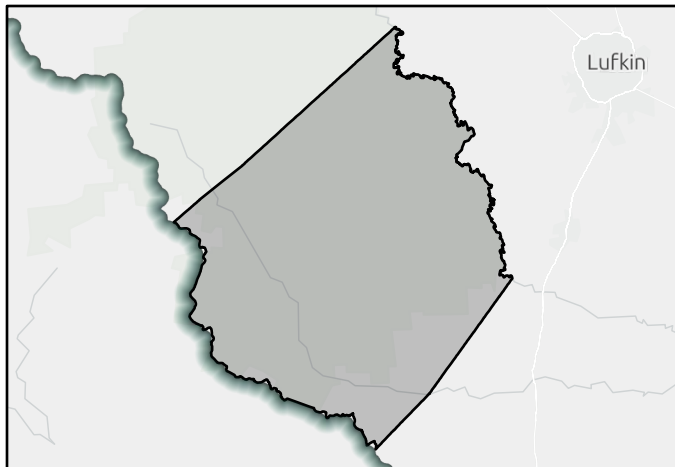
## Impacts

Negative impacts?  Negative impacts description

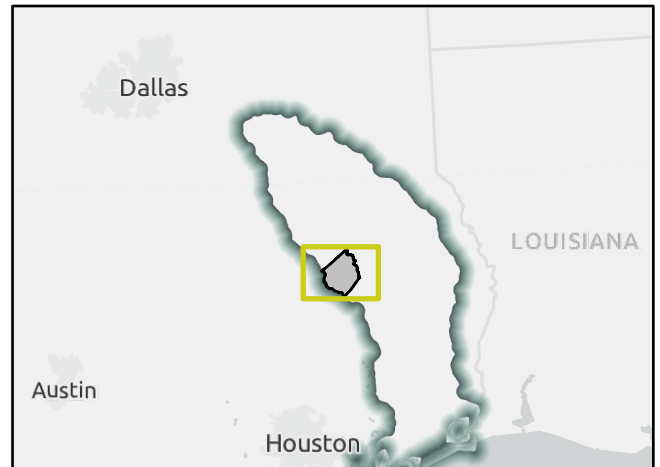
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal 1: 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(s) Goal 2: 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 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="233"/>	# of structures	<input type="text" value="217"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="232"/>	Roadway(s) impacted (miles)	<input type="text" value="13"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## 100-Year Flood Risk Reduction

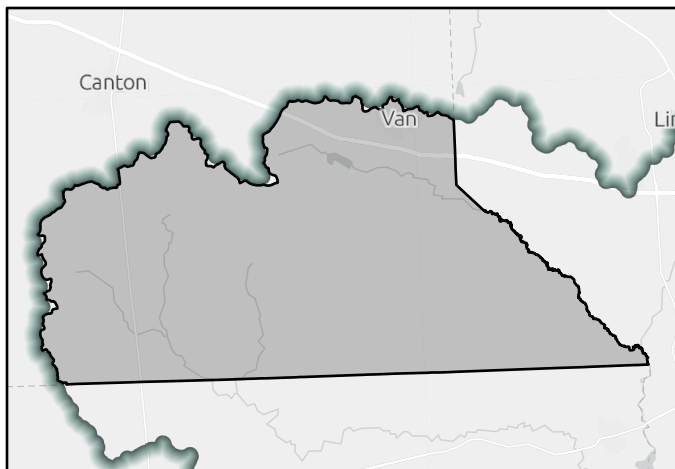
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

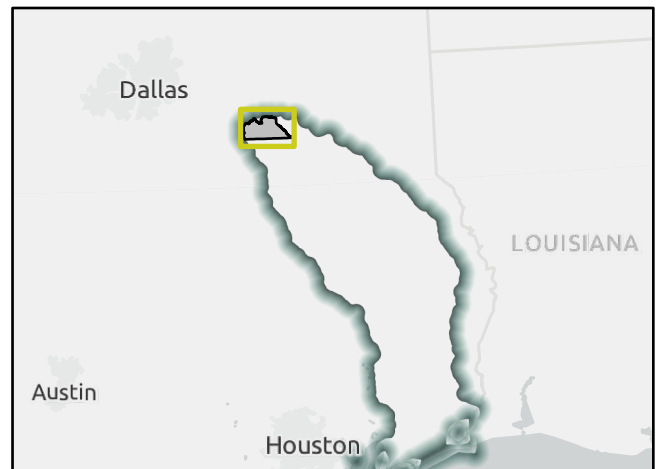
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$30,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- 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(s) 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="73"/>	# of structures	<input type="text" value="69"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="348"/>	Roadway(s) impacted (miles)	<input type="text" value="22"/>		
Number of low water crossings	<input type="text" value="2"/>	Historical road closures	<input type="text" value="2"/>		

## 100-Year Flood Risk Reduction

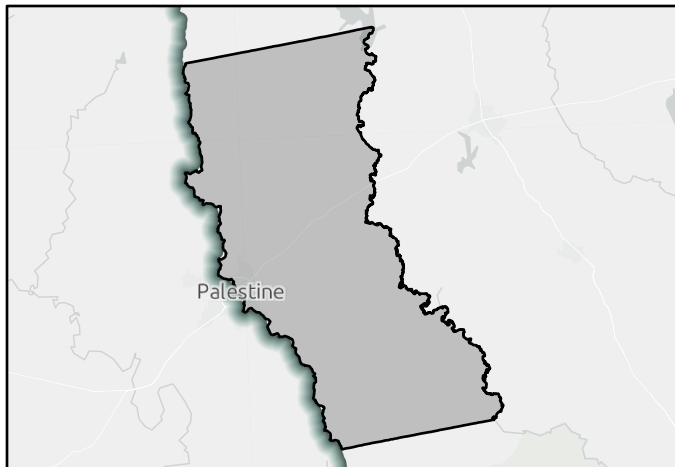
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

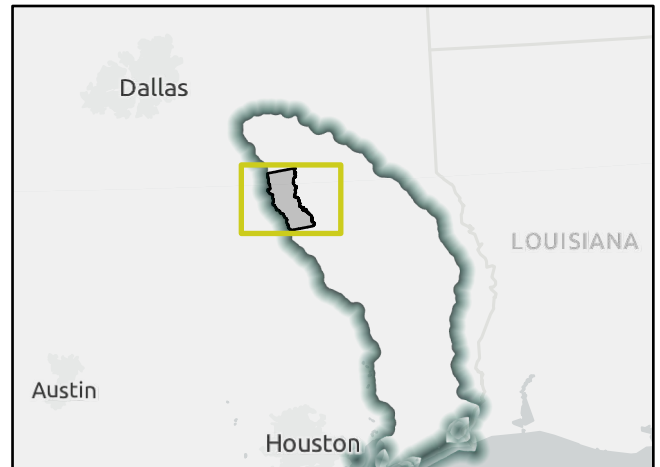
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$3,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

Goal(s) Goal 2: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 75% of communities.

Goal 3: 50% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

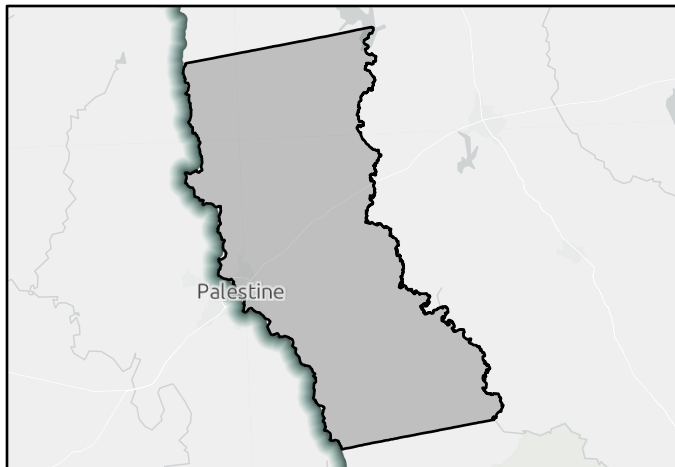
## Impacts

Negative impacts?  Negative impacts description

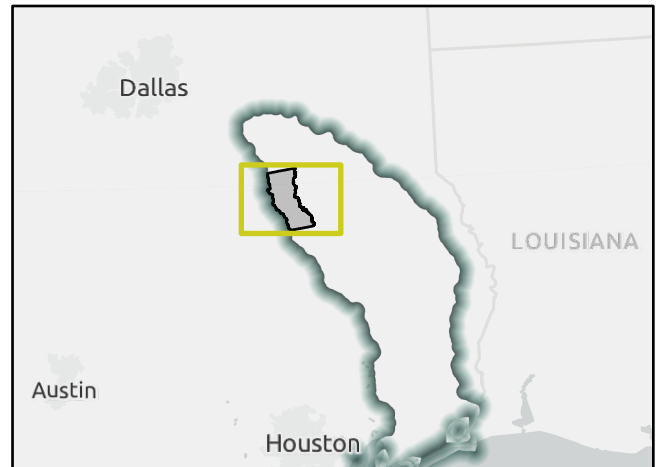
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- 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(s) 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="0"/>	# of structures	<input type="text" value="0"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="0"/>	Roadway(s) impacted (miles)	<input type="text" value="0"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## 100-Year Flood Risk Reduction

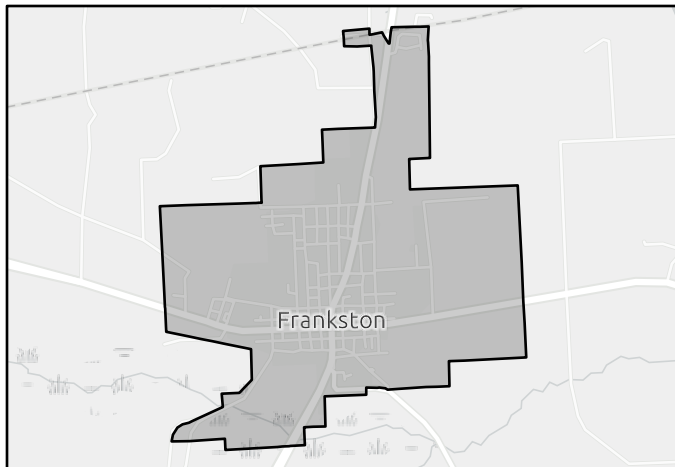
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

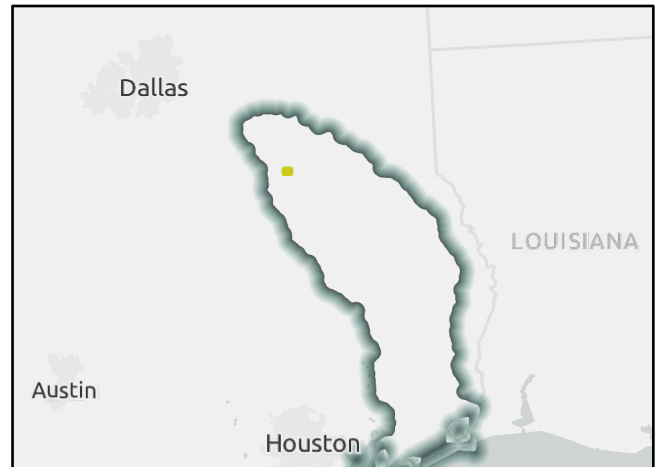
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$1,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- 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(s) 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="42"/>	# of structures	<input type="text" value="14"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="2"/>	Roadway(s) impacted (miles)	<input type="text" value="2"/>		
Number of low water crossings	<input type="text" value="2"/>	Historical road closures	<input type="text" value="2"/>		

## 100-Year Flood Risk Reduction

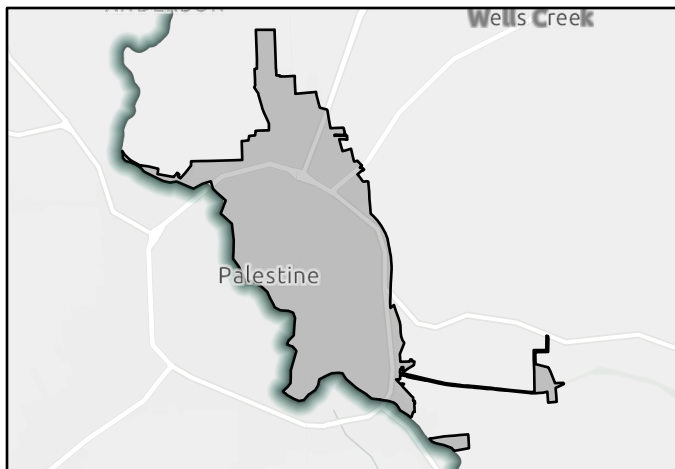
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

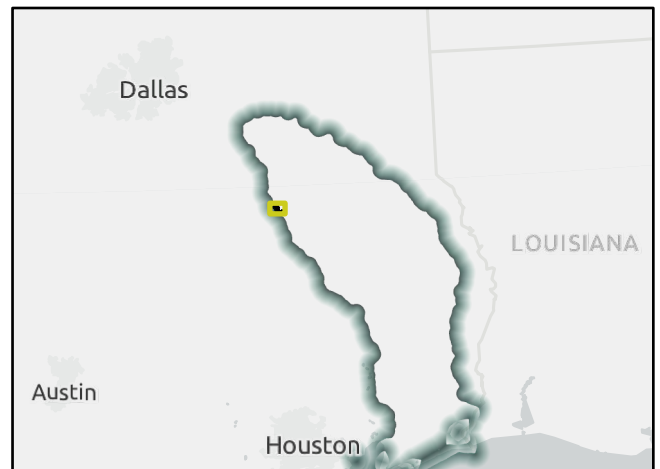
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$2,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- 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(s) 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="8,420"/>	# of structures	<input type="text" value="1,201"/>	Critical facilities	<input type="text" value="11"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="165"/>	Roadway(s) impacted (miles)	<input type="text" value="66"/>		
Number of low water crossings	<input type="text" value="19"/>	Historical road closures	<input type="text" value="19"/>		

## 100-Year Flood Risk Reduction

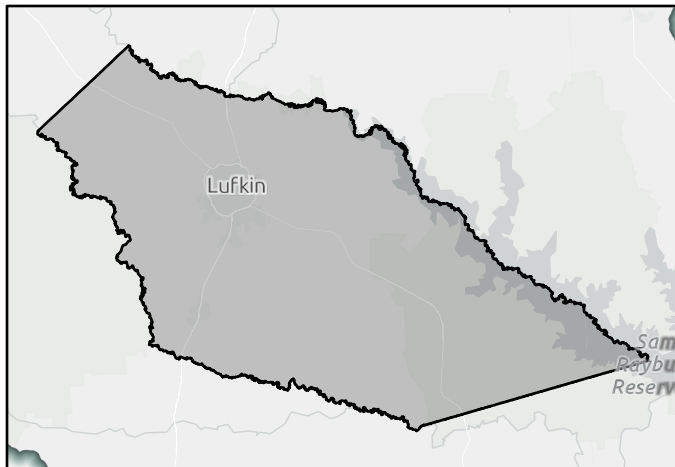
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

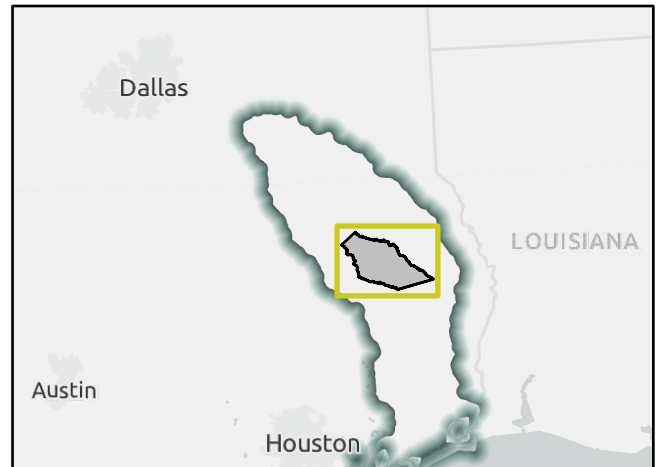
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$2,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Burke Drainage Ditch Capacity Upgrades

ID# 052000097 Sponsor Burke (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County Angelina

Strategy description Establish a plan and necessary standards to increase the capacity of drainage ditches along all city streets and roads

- 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(s) 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk 0 # of structures 1 Critical facilities 0

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

Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (miles) 0

Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

Other benefits - Reduction in # of road closures over 10 years -

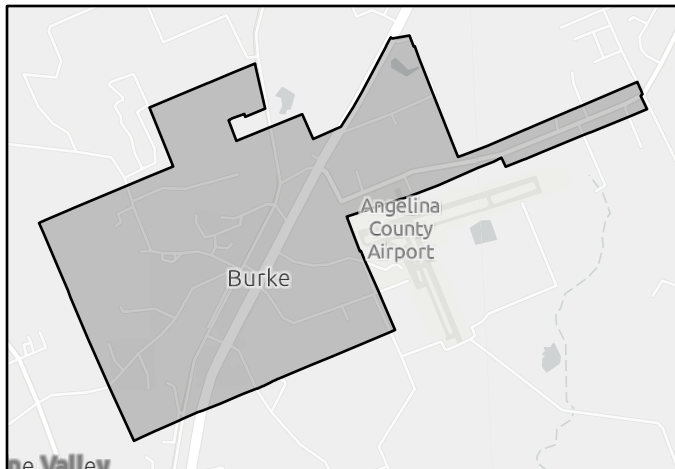
## Impacts

Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$500,000 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title Chambers County Property Protection

ID# 052000098 Sponsor Chambers (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County Chambers

Strategy description Project will clear obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding throughout all participating jurisdictions

- 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(s) 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

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

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

Farm/Ranch land impacted (acres) 36,933 Roadway(s) impacted (miles) 162

Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

Other benefits - Reduction in # of road closures over 10 years -

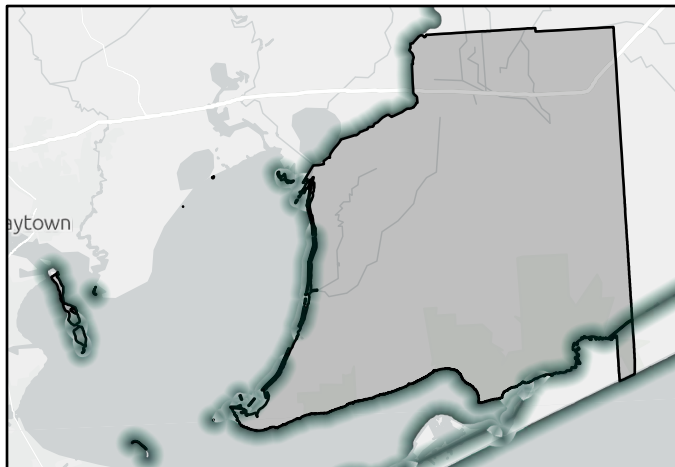
## Impacts

Negative impacts? No Negative impacts description -

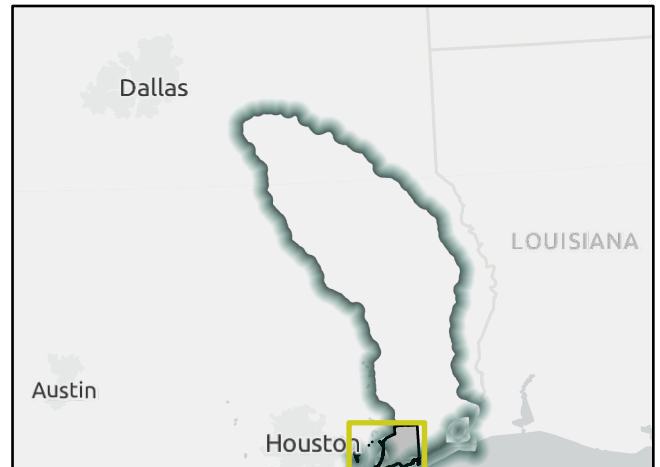
Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$1,000,000 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title Cherokee County Culvert Upgrades

ID# 052000099 Sponsor Cherokee (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County Cherokee

Strategy description Develop plan to upgrade major culvert areas which are prone to flooding.

- 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(s) 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk	1,382	# of structures	672	Critical facilities	1
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	920	Roadway(s) impacted (miles)	49		
Number of low water crossings	10	Historical road closures	10		

## 100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

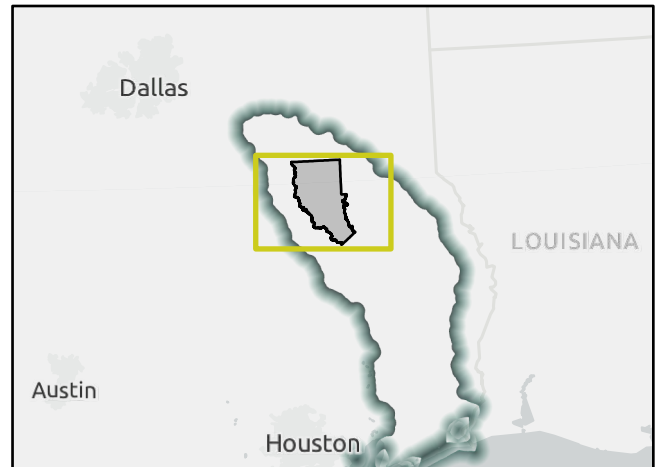
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$2,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Alto Culvert Improvements

ID# 052000100 Sponsor Alto (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County Cherokee

Strategy description Develop plan to increase drainage capacity in sites that are prone to flooding.

- 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(s) 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk	2	# of structures	11	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	0		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

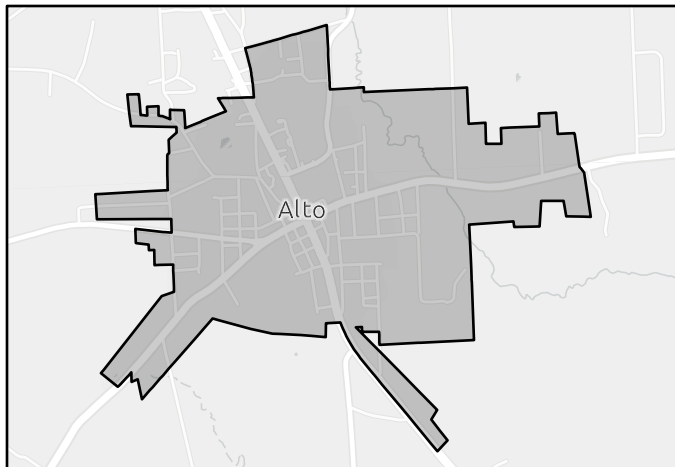
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$1,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- 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(s) 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

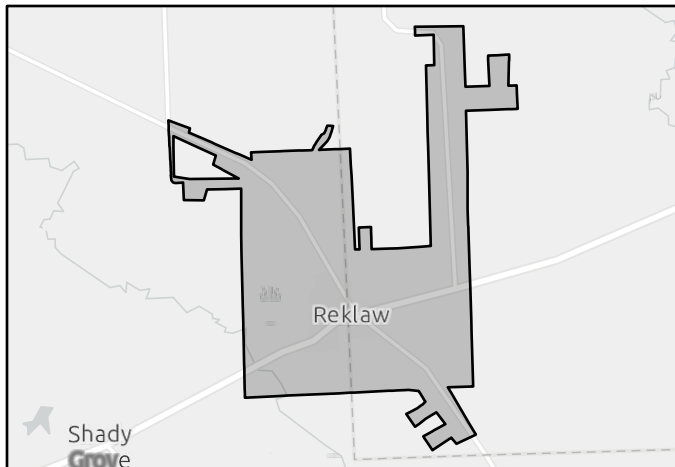
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- 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(s) 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="462"/>	# of structures	<input type="text" value="41"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="1"/>	Roadway(s) impacted (miles)	<input type="text" value="2"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## 100-Year Flood Risk Reduction

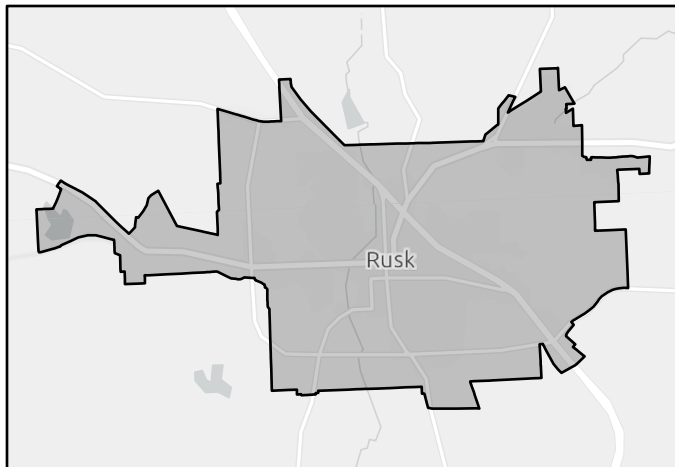
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$1,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- 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(s) 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

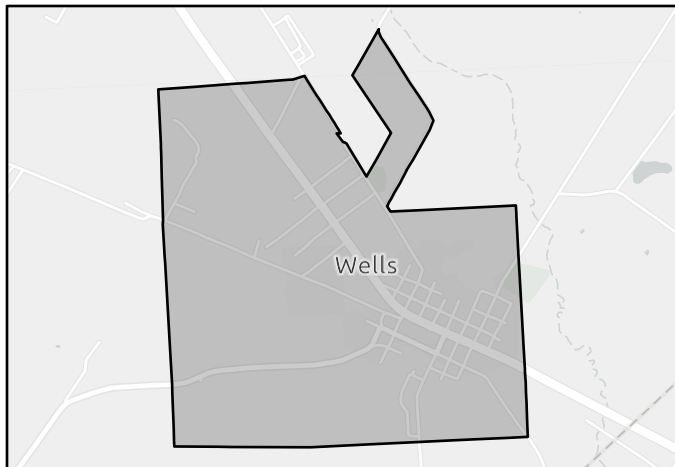
## Impacts

Negative impacts?  Negative impacts description

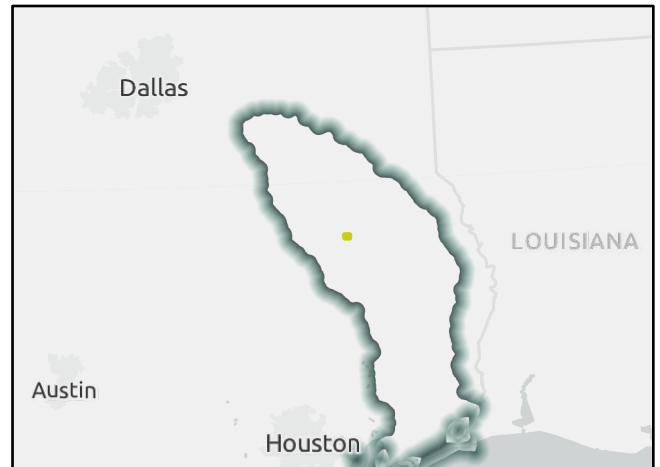
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- 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(s) 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="10,528"/>	# of structures	<input type="text" value="3,678"/>	Critical facilities	<input type="text" value="25"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="743"/>	Roadway(s) impacted (miles)	<input type="text" value="136"/>		
Number of low water crossings	<input type="text" value="13"/>	Historical road closures	<input type="text" value="13"/>		

## 100-Year Flood Risk Reduction

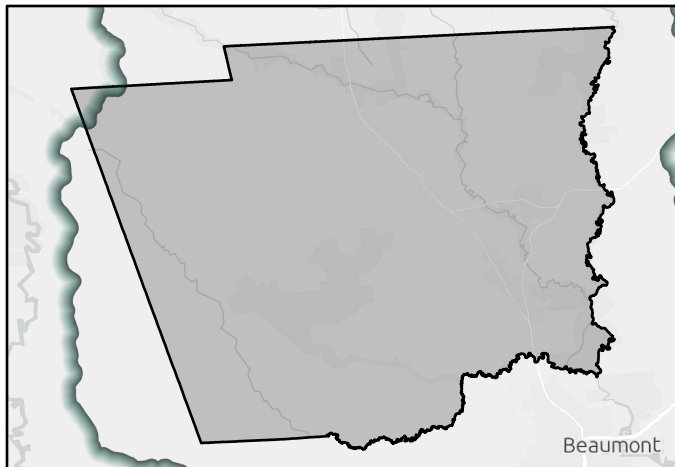
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

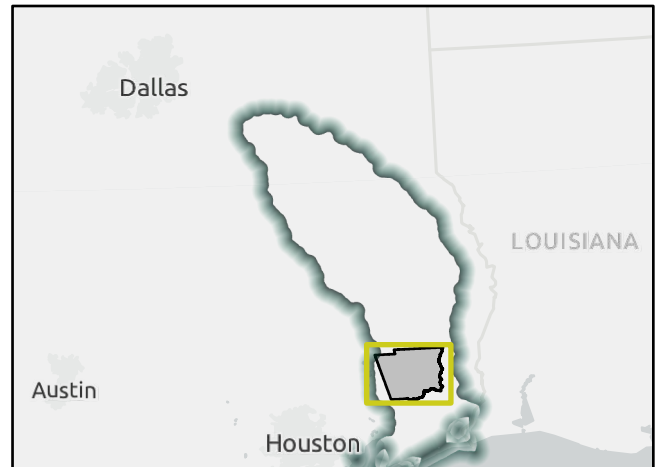
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$3,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- 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(s) 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.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="10,528"/>	# of structures	<input type="text" value="3,678"/>	Critical facilities	<input type="text" value="25"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="743"/>	Roadway(s) impacted (miles)	<input type="text" value="136"/>		
Number of low water crossings	<input type="text" value="13"/>	Historical road closures	<input type="text" value="13"/>		

## 100-Year Flood Risk Reduction

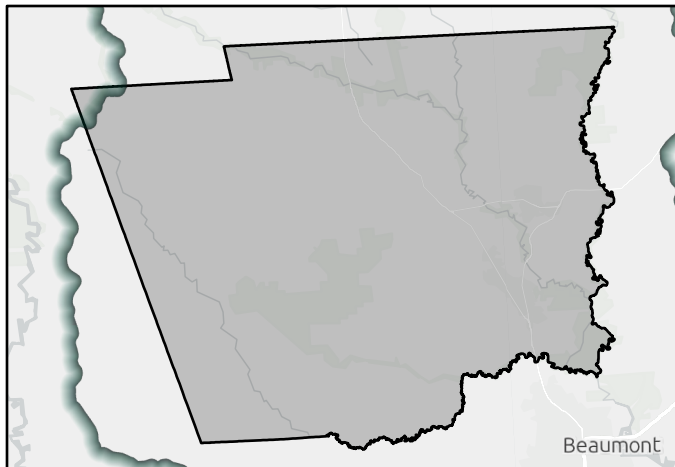
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$1,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal(s)
- Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
  - Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
  - Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="10,528"/>	# of structures	<input type="text" value="3,678"/>	Critical facilities	<input type="text" value="25"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="743"/>	Roadway(s) impacted (miles)	<input type="text" value="136"/>		
Number of low water crossings	<input type="text" value="13"/>	Historical road closures	<input type="text" value="13"/>		

## 100-Year Flood Risk Reduction

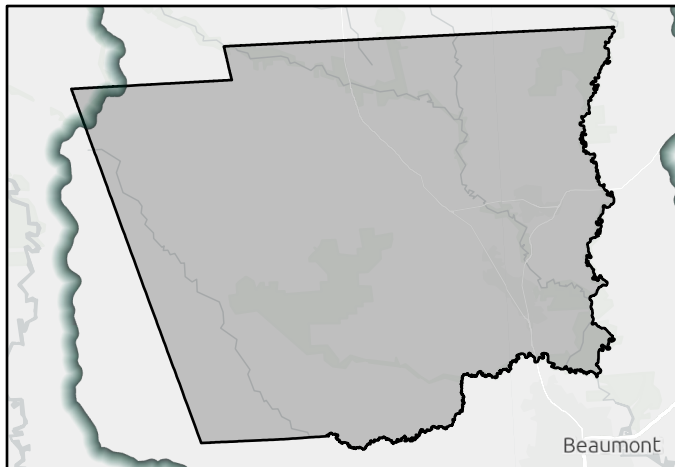
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

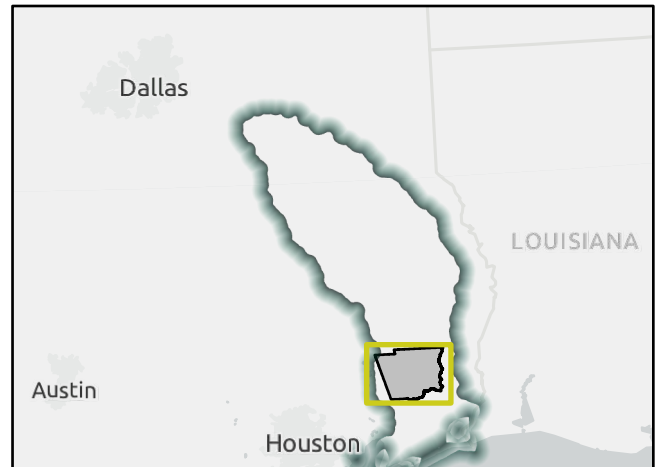
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$10,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

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(s) 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.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

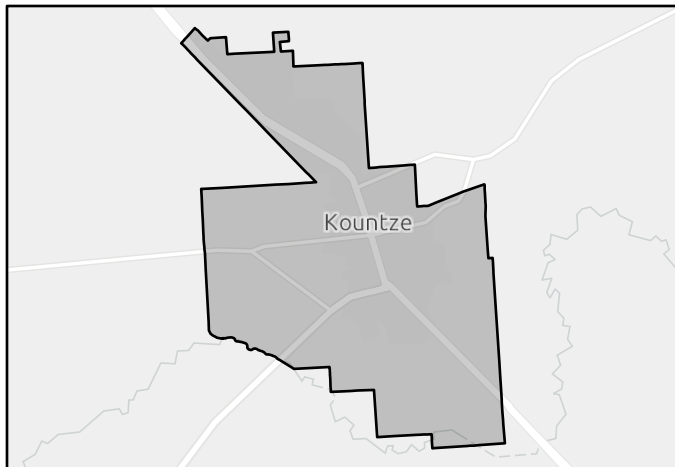
## Impacts

Negative impacts?  Negative impacts description

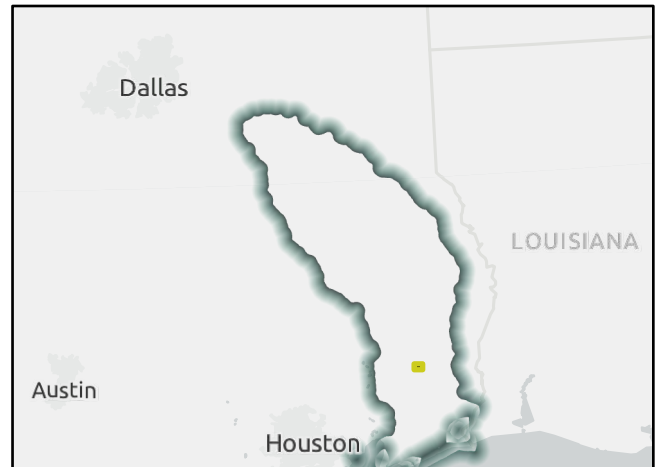
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Kountze Elevate Roads and Bridges

ID# 052000108 Sponsor Kountze (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County Hardin  
 Strategy description Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.  
 Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk 2 # of structures 3 Critical facilities 0  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes  
 Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (miles) 1  
 Number of low water crossings 0 Historical road closures 0

## 100-Year Flood Risk Reduction

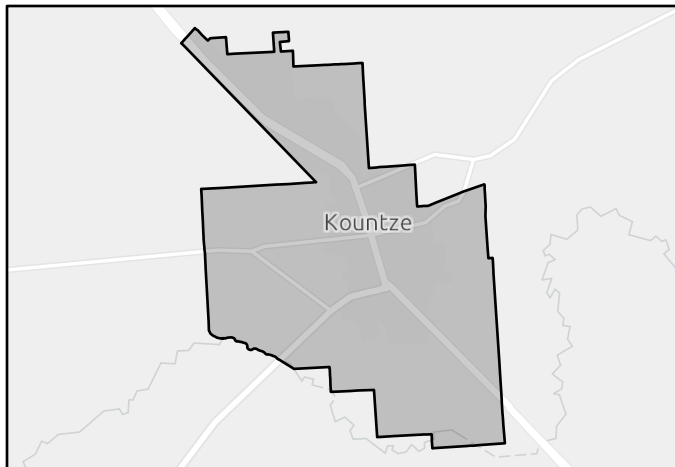
Population removed from 100-yr - # of structures removed from 100-yr -  
 Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -  
 Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -  
 Other benefits - Reduction in # of road closures over 10 years -

## Impacts

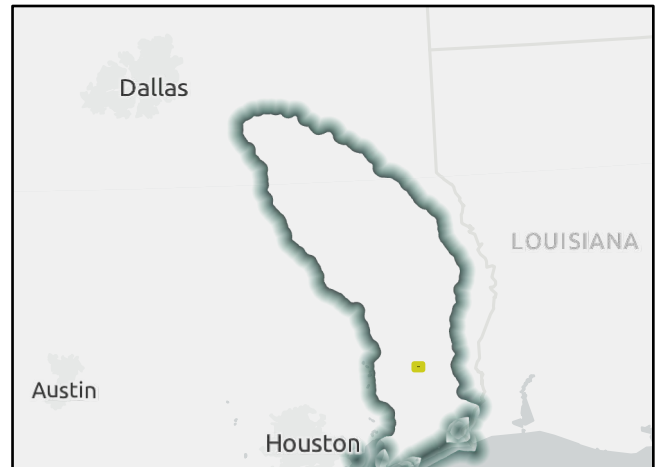
Negative impacts? No Negative impacts description -  
 Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$2,000,000 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

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(s) 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.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

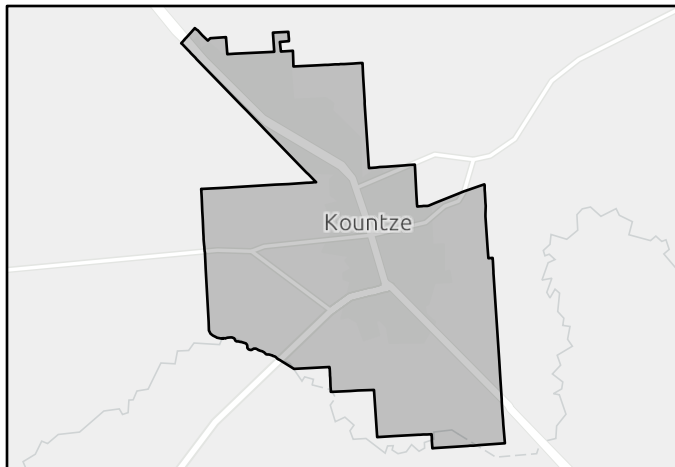
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

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(s) 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.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

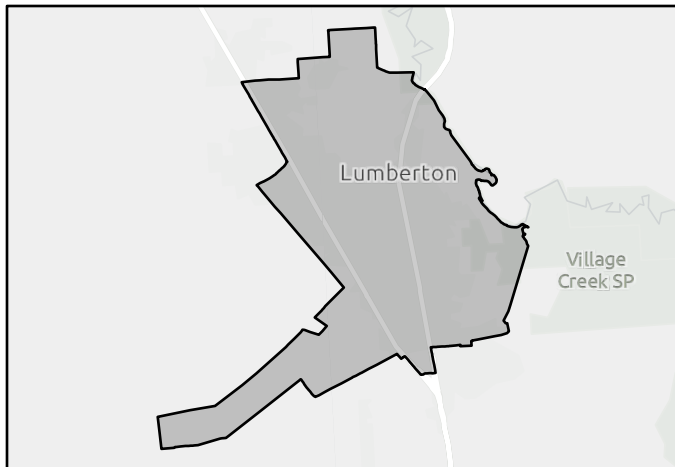
## Impacts

Negative impacts?  Negative impacts description

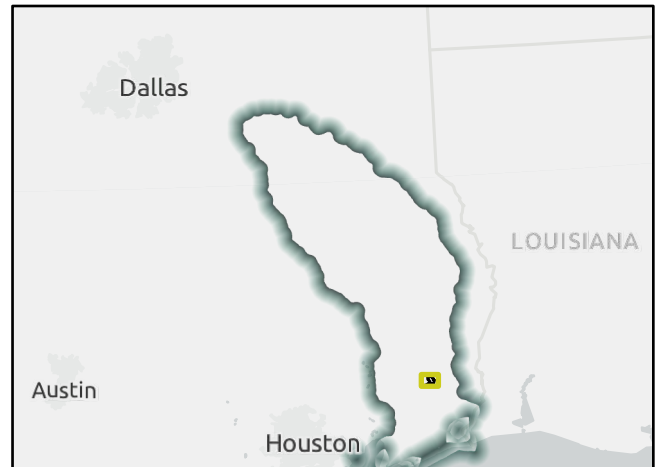
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

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(s) 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.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

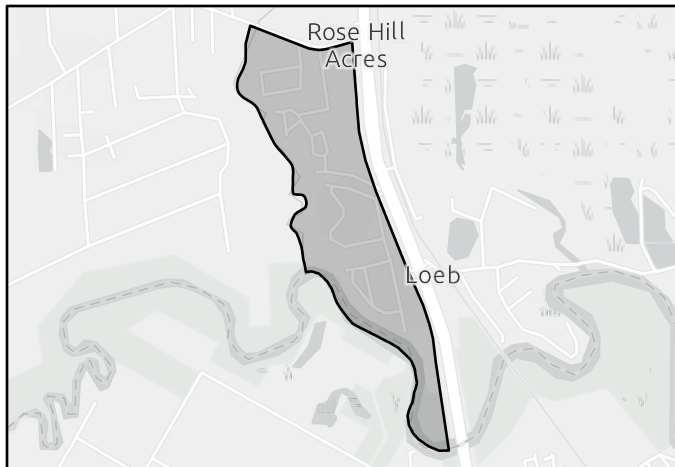
## Impacts

Negative impacts?  Negative impacts description

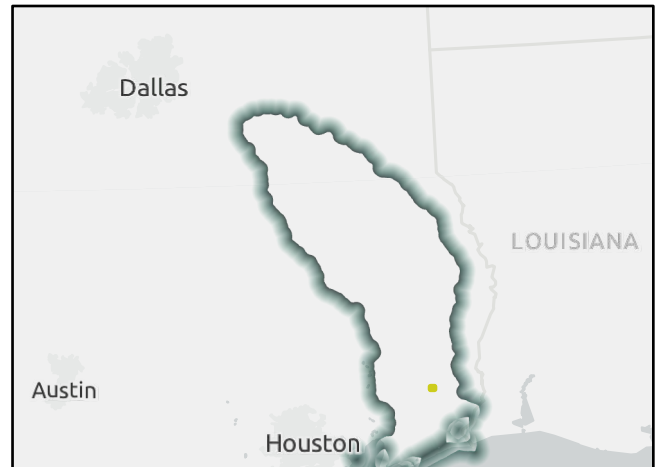
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Rose Hill Acres General Drainage Improvements

ID# 052000112 Sponsor Rose Hill Acres (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County Hardin

Strategy description Establish criteria to increase drainage capacity; add stormwater detention basins, box culverts and/or pipes to increase drainage capacity.

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(s) 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.

## Existing 100-Year Flood Risk

Population at risk	278	# of structures	134	Critical facilities	0
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input type="checkbox"/> No	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> No
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	2		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

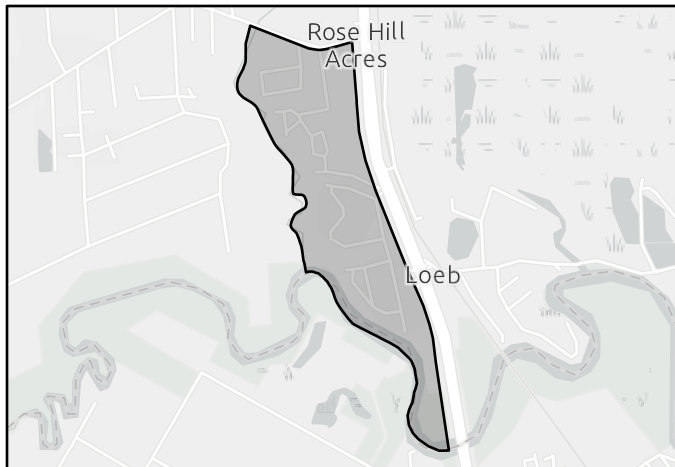
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

Negative impacts?	<input type="checkbox"/> No	Negative impacts description	-
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$400,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Silsbee Detention, Culverts, Ditches and Channels

ID# 052000113 Sponsor Silsbee (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County Hardin

Strategy description Develop plan to increase drainage capacity in sites that are prone to flooding.

- 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(s) 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.

## Existing 100-Year Flood Risk

Population at risk	780	# of structures	87	Critical facilities	2
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? Yes
Farm/Ranch land impacted (acres)	1	Roadway(s) impacted (miles)	2		
Number of low water crossings	3	Historical road closures	3		

## 100-Year Flood Risk Reduction

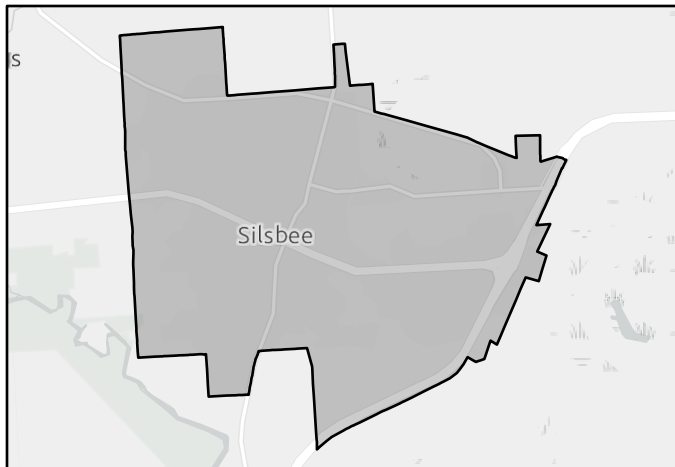
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

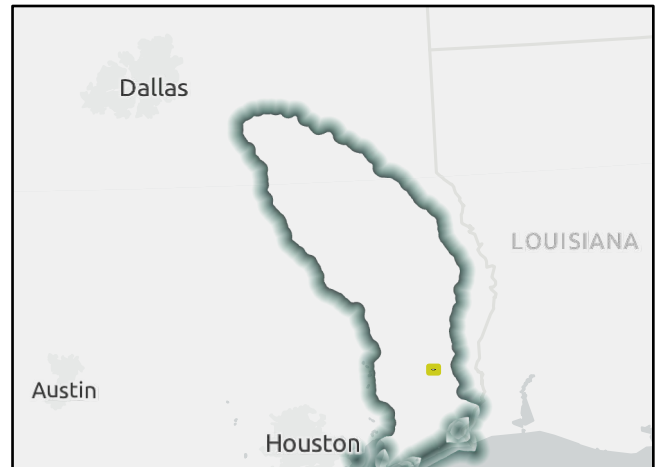
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$1,500,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

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(s) 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: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

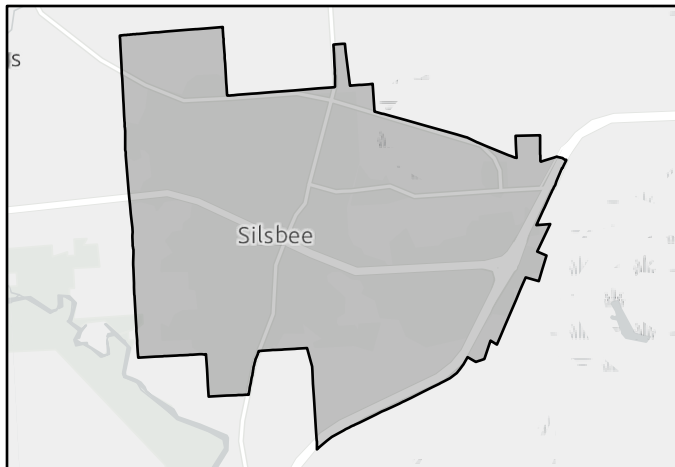
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- 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(s) 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.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="780"/>	# of structures	<input type="text" value="87"/>	Critical facilities	<input type="text" value="2"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="1"/>	Roadway(s) impacted (miles)	<input type="text" value="2"/>		
Number of low water crossings	<input type="text" value="3"/>	Historical road closures	<input type="text" value="3"/>		

## 100-Year Flood Risk Reduction

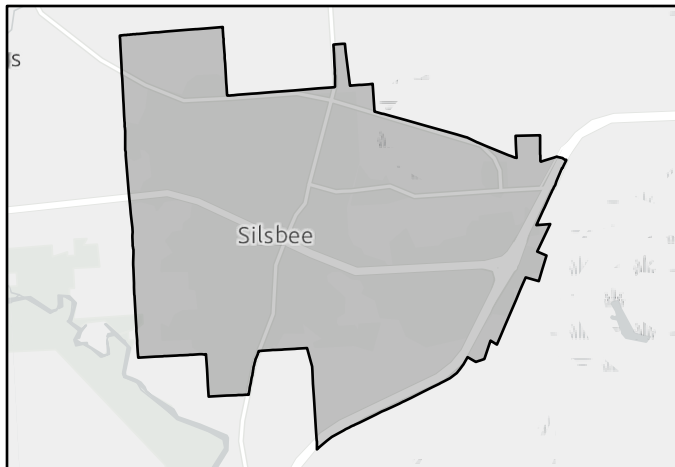
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

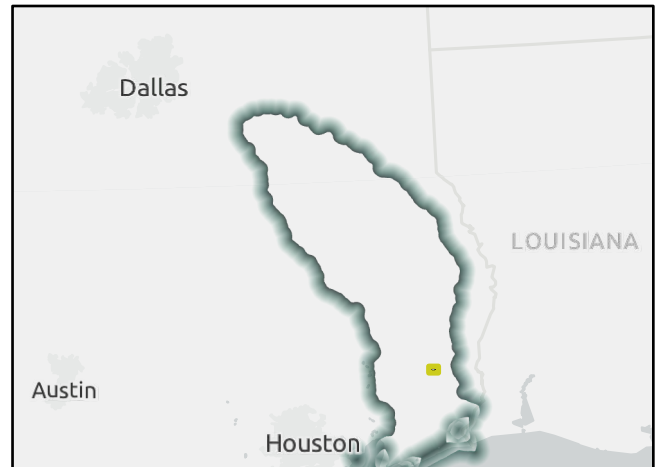
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$5,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- 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: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
- Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="1,687"/>	# of structures	<input type="text" value="435"/>	Critical facilities	<input type="text" value="7"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="7"/>	Roadway(s) impacted (miles)	<input type="text" value="8"/>		
Number of low water crossings	<input type="text" value="3"/>	Historical road closures	<input type="text" value="3"/>		

## 100-Year Flood Risk Reduction

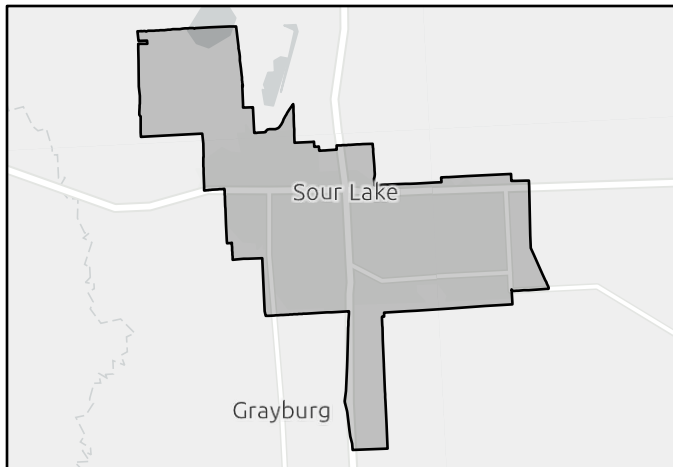
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$500,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- 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(s) 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: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
- Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="1,687"/>	# of structures	<input type="text" value="435"/>	Critical facilities	<input type="text" value="7"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="7"/>	Roadway(s) impacted (miles)	<input type="text" value="8"/>		
Number of low water crossings	<input type="text" value="3"/>	Historical road closures	<input type="text" value="3"/>		

## 100-Year Flood Risk Reduction

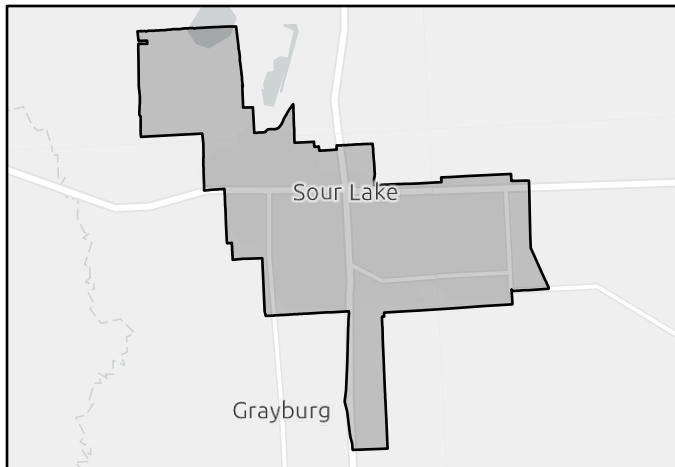
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

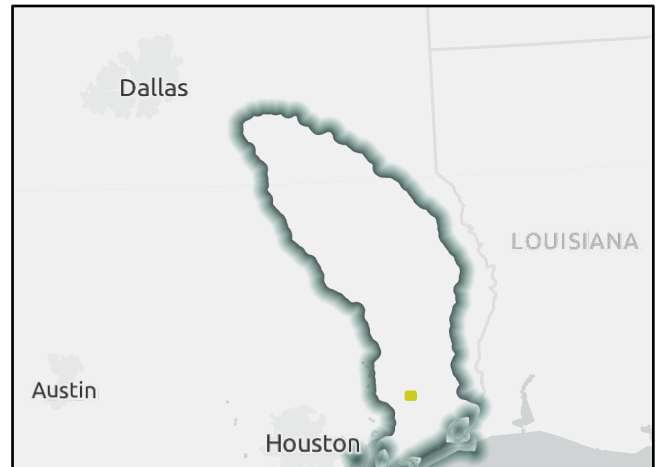
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$1,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

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(s) 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.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

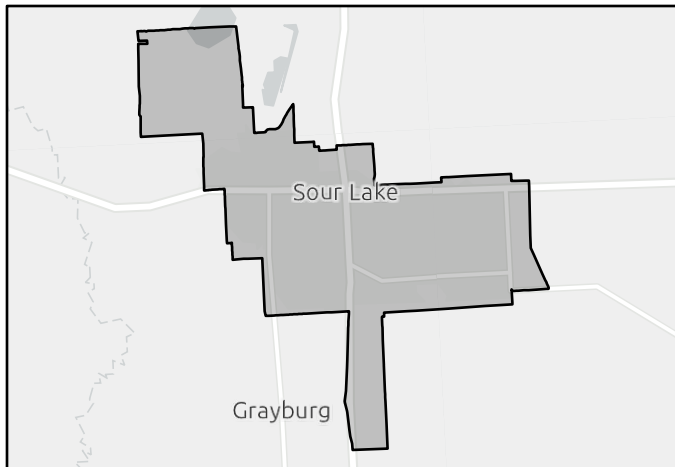
## Impacts

Negative impacts?  Negative impacts description

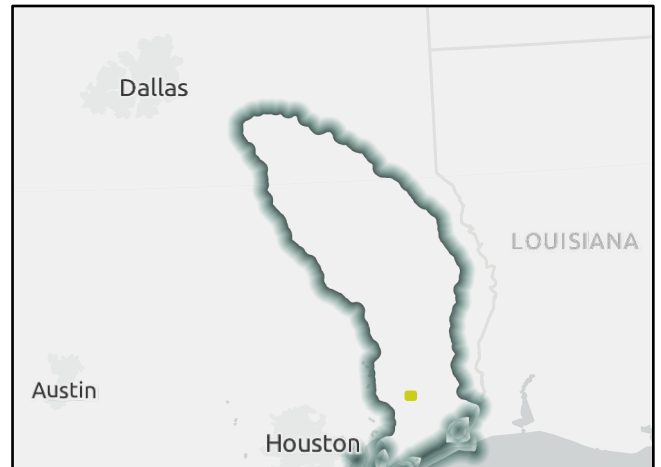
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

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(s) 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.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

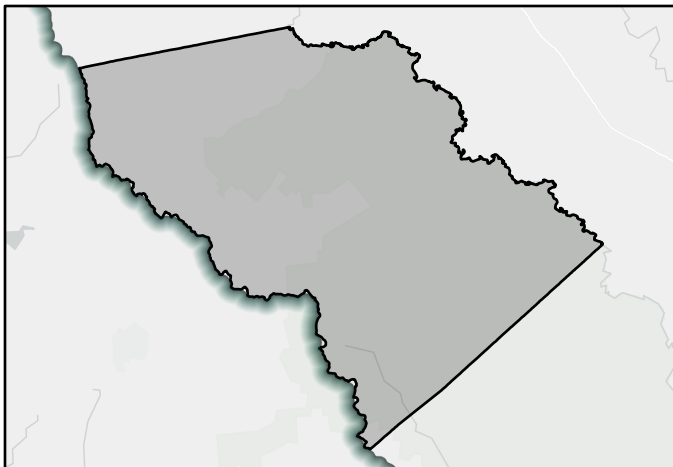
## Impacts

Negative impacts?  Negative impacts description

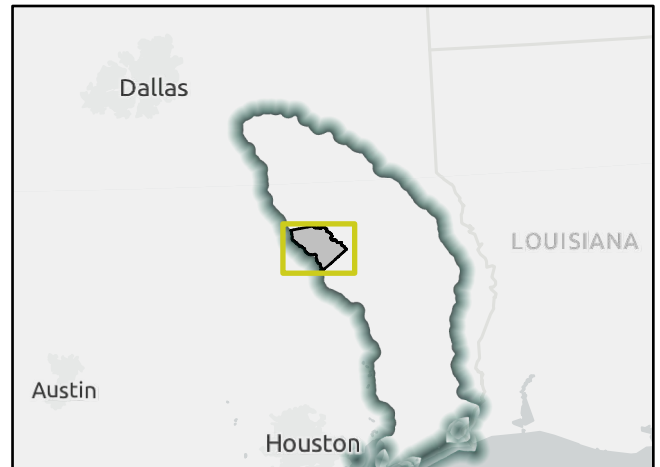
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal(s)
- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.
  - Goal 3: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="16"/>	# of structures	<input type="text" value="17"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="117"/>	Roadway(s) impacted (miles)	<input type="text" value="20"/>		
Number of low water crossings	<input type="text" value="7"/>	Historical road closures	<input type="text" value="7"/>		

## 100-Year Flood Risk Reduction

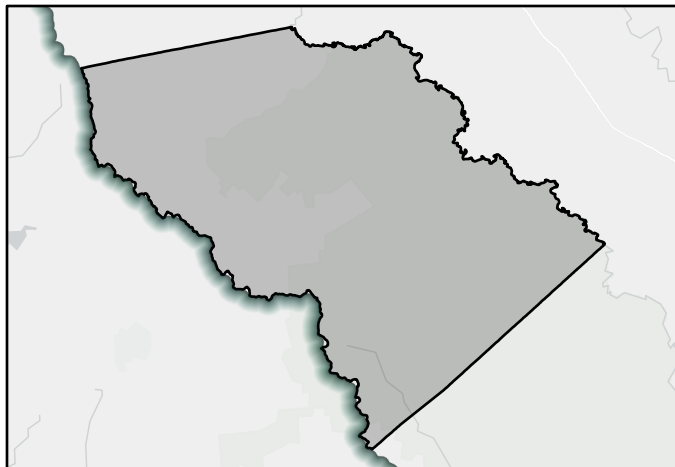
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

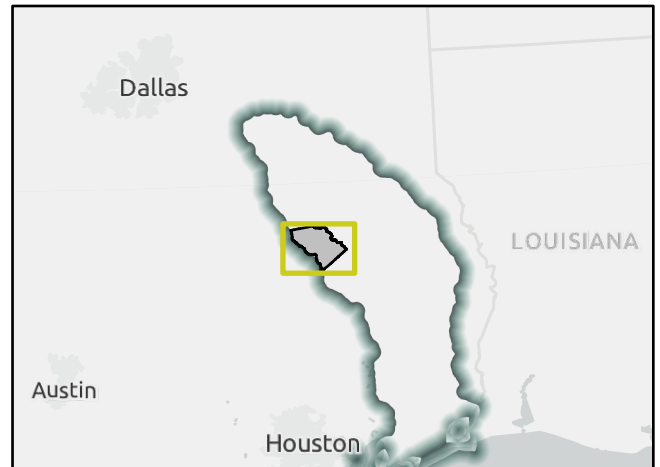
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$2,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Grapeland Critical Facilities Flood-Proofing

ID# 052000121 Sponsor Houston (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County Houston

Strategy description Flood proof critical facilities to the 500-year flood that are located in flood-prone areas of the city.

- Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
- Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
- Goal(s) Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	16	# of structures	17	Critical facilities	0
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input checked="" type="checkbox"/> Yes	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> Yes
Farm/Ranch land impacted (acres)	117	Roadway(s) impacted (miles)	20		
Number of low water crossings	7	Historical road closures	7		

## 100-Year Flood Risk Reduction

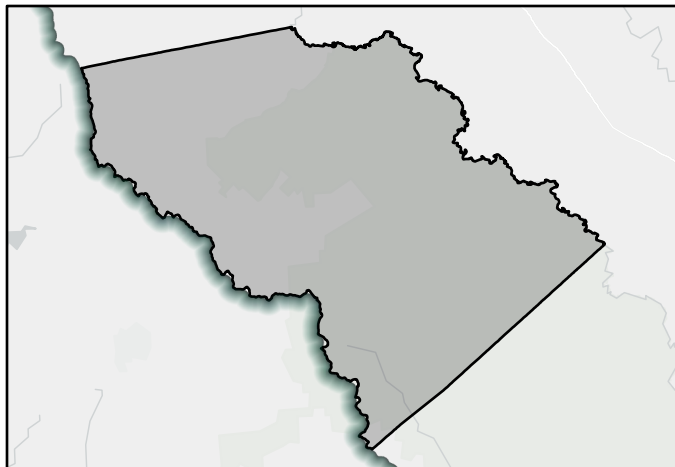
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

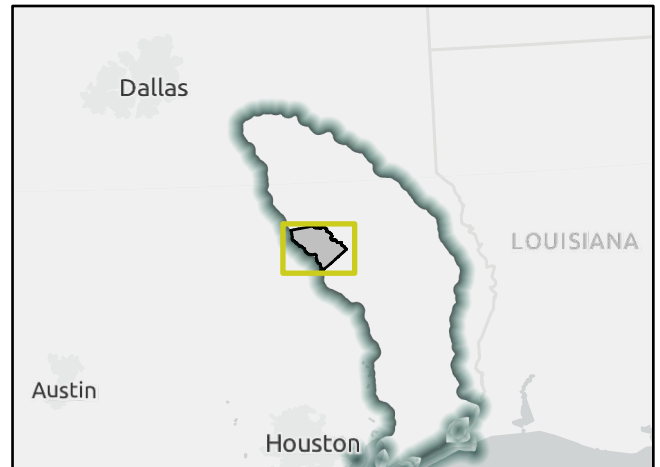
Negative impacts?	<input type="checkbox"/> No	Negative impacts description	-
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$1,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal(s)
- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.
  - Goal 3: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="16"/>	# of structures	<input type="text" value="17"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="117"/>	Roadway(s) impacted (miles)	<input type="text" value="20"/>		
Number of low water crossings	<input type="text" value="7"/>	Historical road closures	<input type="text" value="7"/>		

## 100-Year Flood Risk Reduction

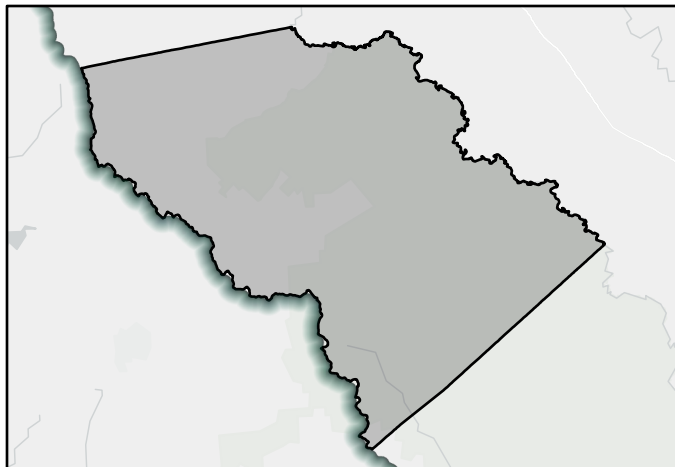
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

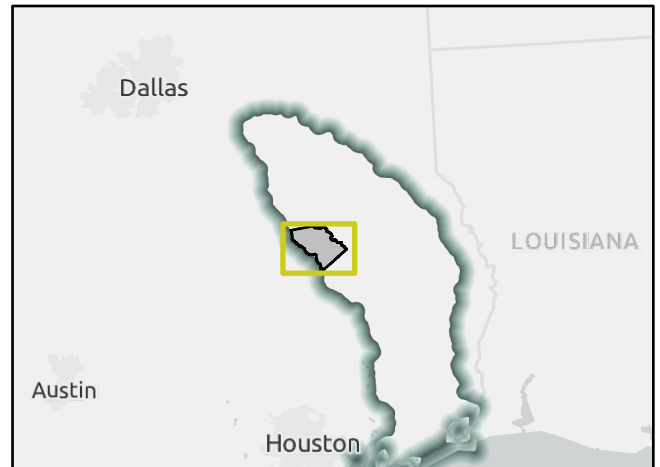
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$1,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

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(s) 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.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="143"/>	# of structures	<input type="text" value="116"/>	Critical facilities	<input type="text" value="1"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="1,526"/>	Roadway(s) impacted (miles)	<input type="text" value="7"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## 100-Year Flood Risk Reduction

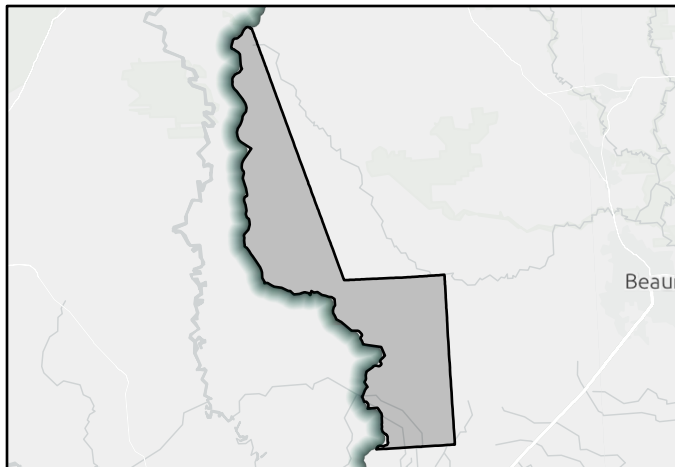
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

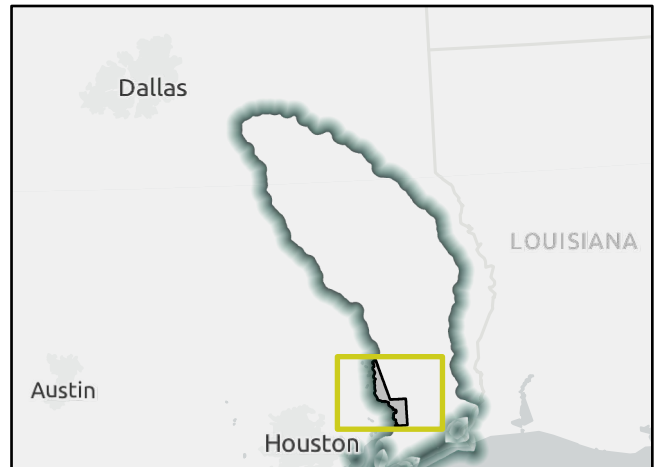
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$2,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Daisetta Culvert Maintenance and Upgrades

ID# 052000124 Sponsor Daisetta (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County Liberty

Strategy description Removal of debris, silt and vegetation obstacles in drainage ways. Project will clear obstacles, mow and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.

- Goal(s)
- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.
  - Goal 3: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

## Existing 100-Year Flood Risk

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

## 100-Year Flood Risk Reduction

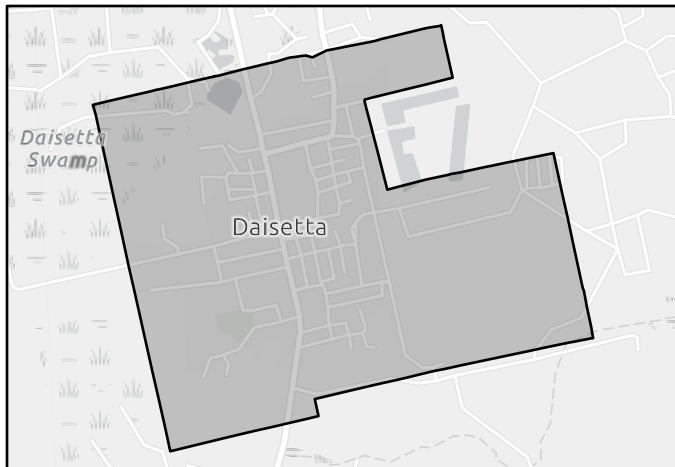
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

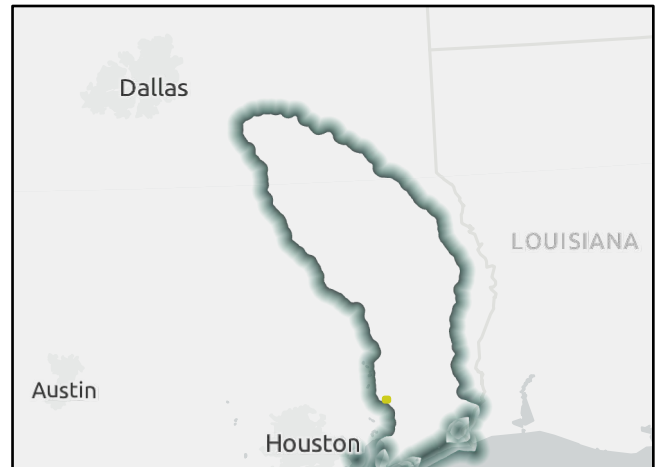
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$1,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

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(s) 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.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

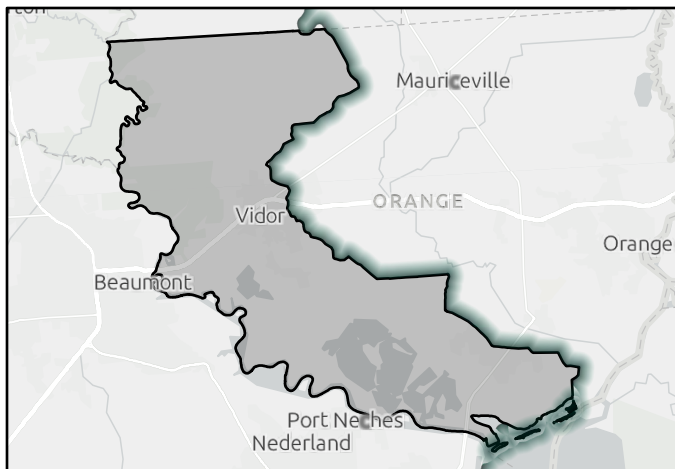
## Impacts

Negative impacts?  Negative impacts description

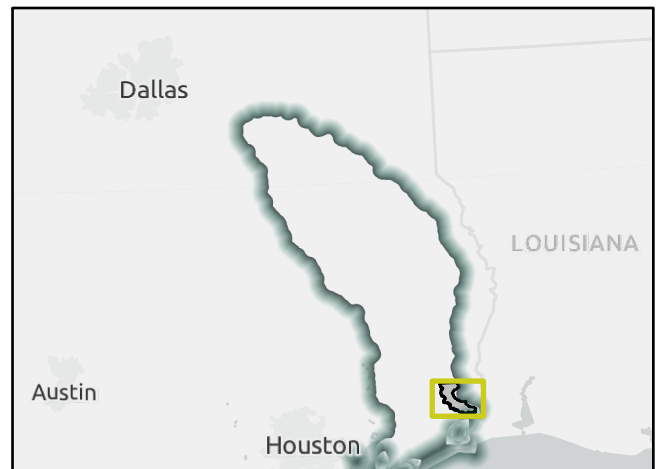
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title Polk County Facilities Hazard Hardening Retrofit

ID# 052000126 Sponsor Polk (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County Polk

Strategy description Activities may include but are not limited to: flood proofing, impact resistant windows, storm shutters, roof straps, structural bracing, low-flow plumbing fixtures, roll-up door reinforcement, grounding systems, and surge-protection.

- Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
- Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
- Goal(s) Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	368	# of structures	84	Critical facilities	0
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input type="checkbox"/> No	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> Yes
Farm/Ranch land impacted (acres)	62	Roadway(s) impacted (miles)	17		
Number of low water crossings	8	Historical road closures	8		

## 100-Year Flood Risk Reduction

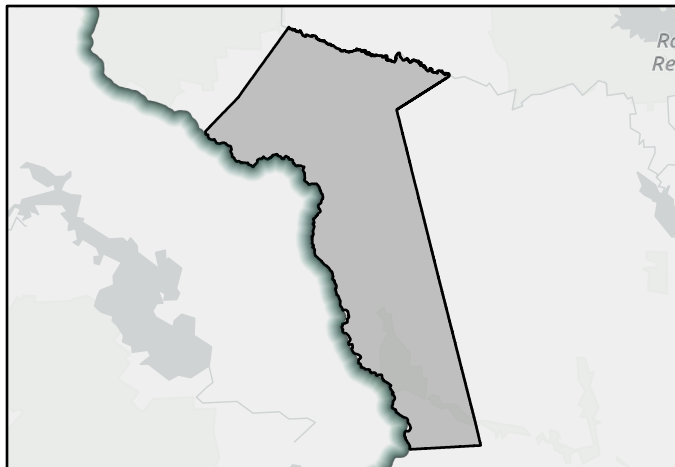
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

Negative impacts?	<input type="checkbox"/> No	Negative impacts description	-
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$1,500,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

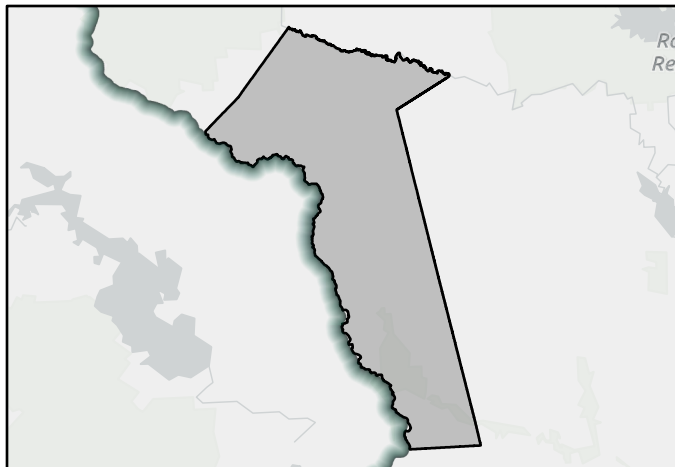
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Henderson Flood Infrastructure Maintenance

ID# 052000128 Sponsor Henderson (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County Rusk

Strategy description Establish a plan to conduct various flood control maintenance improvements throughout the City

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.
- Goal 3: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

## Existing 100-Year Flood Risk

Population at risk	97	# of structures	37	Critical facilities	0
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input checked="" type="checkbox"/> Yes	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> No
Farm/Ranch land impacted (acres)	5	Roadway(s) impacted (miles)	2		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

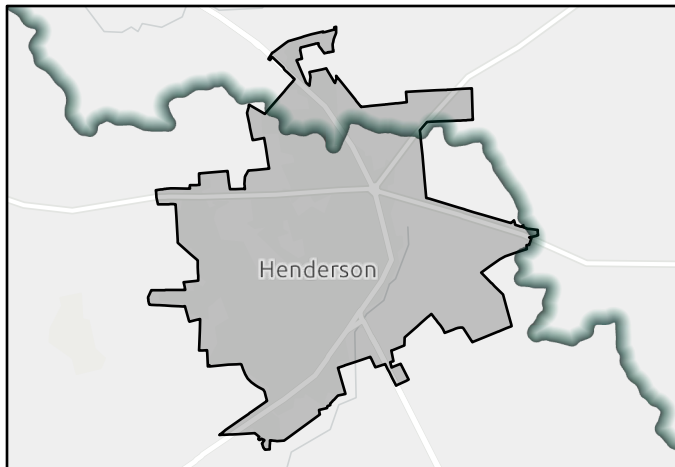
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

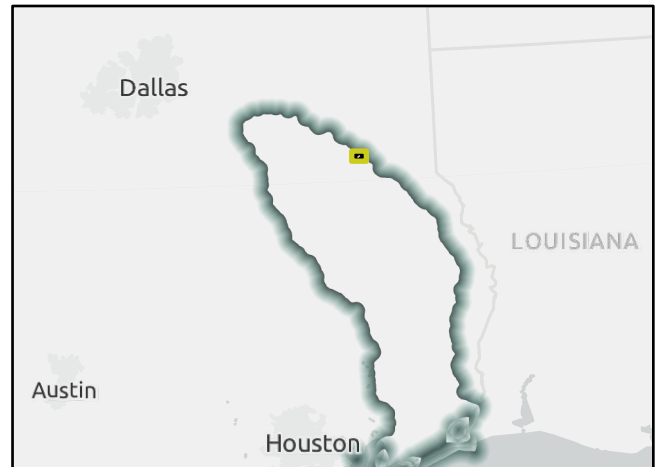
Negative impacts?	<input type="checkbox"/> No	Negative impacts description	-
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$1,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County   
 Strategy description

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

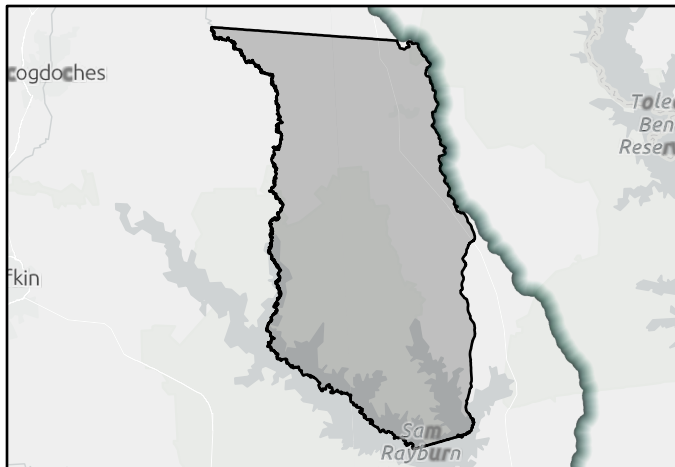
## Impacts

Negative impacts?  Negative impacts description

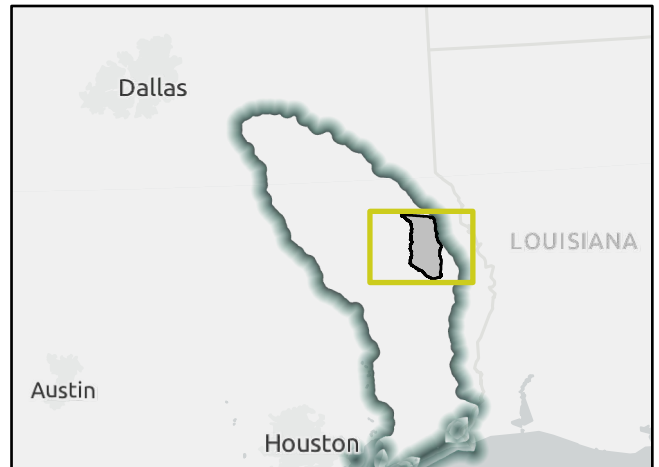
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title San Augustine County Culvert Upgrades

ID# 052000130 Sponsor San Augustine (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County San Augustine

Strategy description Establish a plan to upgrade culverts in county extent. Actions can include but are not limited to: installing/upgrading culverts and headwalls; and enlarging storm water ditches and canals.

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(s) 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.

## Existing 100-Year Flood Risk

Population at risk 146 # of structures 64 Critical facilities 0

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

Farm/Ranch land impacted (acres) 42 Roadway(s) impacted (miles) 13

Number of low water crossings 2 Historical road closures 2

## 100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

Other benefits - Reduction in # of road closures over 10 years -

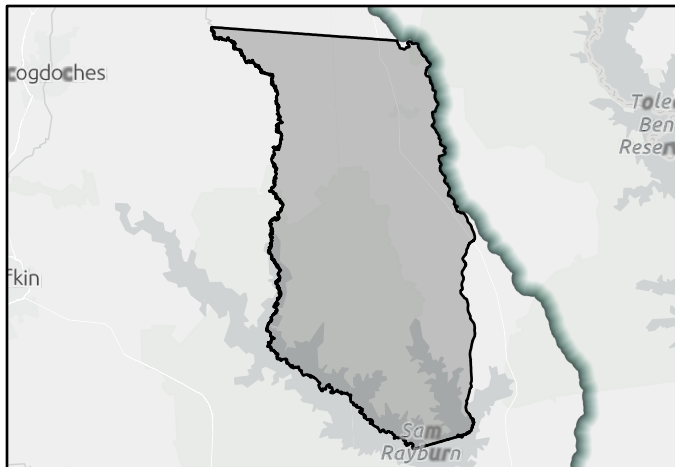
## Impacts

Negative impacts? No Negative impacts description -

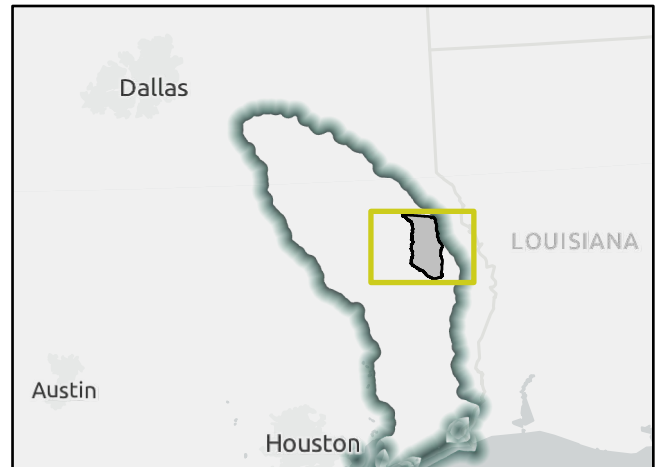
Water supply contributions? No Water supply contribution description -

## Estimated Cost

Strategy Cost \$2,000,000 Amount of available funding - % Nature-Based 0



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title San Augustine County Facilities Hazard Hardening Retrofit

ID# 052000131 Sponsor San Augustine (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County San Augustine

Strategy description Actions can include but are not limited to: installing window screens, storm shutters, window film reinforcements, roof straps, and flood proofing.

- Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
- Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
- Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	146	# of structures	64	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	42	Roadway(s) impacted (miles)	13		
Number of low water crossings	2	Historical road closures	2		

## 100-Year Flood Risk Reduction

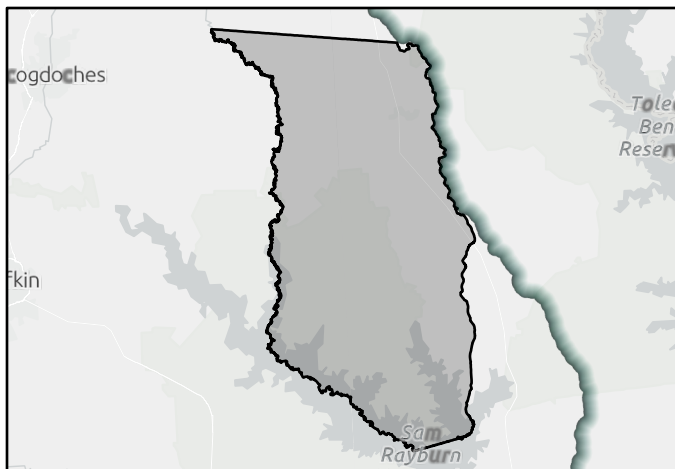
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

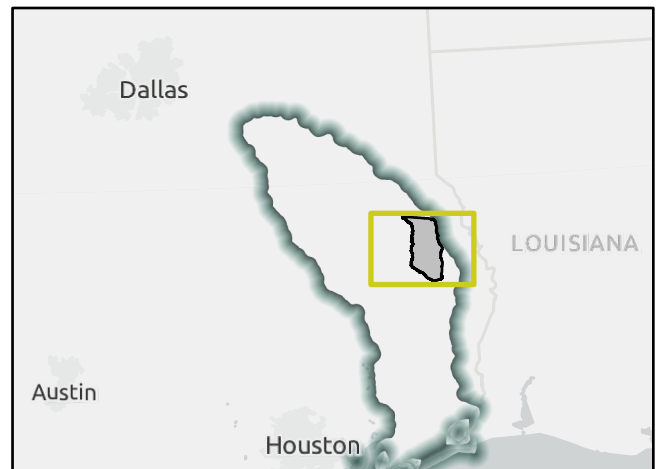
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$1,500,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title San Augustine County Detention and Retention Pond Construction

ID# 052000132 Sponsor San Augustine (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County San Augustine

Strategy description Construct storm water detention/retention ponds at strategic locations for improved stormwater storage to hold storm water run-off and as a mitigation measure for drought and wildfire.

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	146	# of structures	64	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	42	Roadway(s) impacted (miles)	13		
Number of low water crossings	2	Historical road closures	2		

## 100-Year Flood Risk Reduction

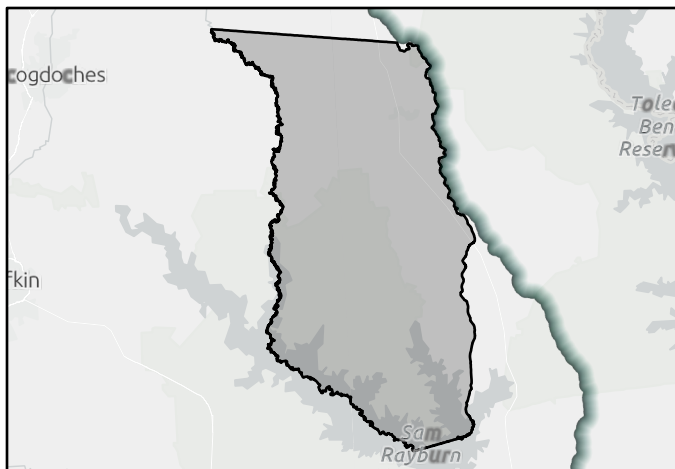
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$3,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of San Augustine and City of Broaddus County Facilities Hazard Hardening Retrofit

ID# 052000133 Sponsor San Augustine (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County San Augustine

Strategy description Construct flood protection, winter storm-hardening, and expansive soils mitigation projects for water distribution networks and wastewater facilities for Cities of Broaddus and San Augustine.

- Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
- Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
- Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	114	# of structures	34	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	2	Roadway(s) impacted (miles)	1		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

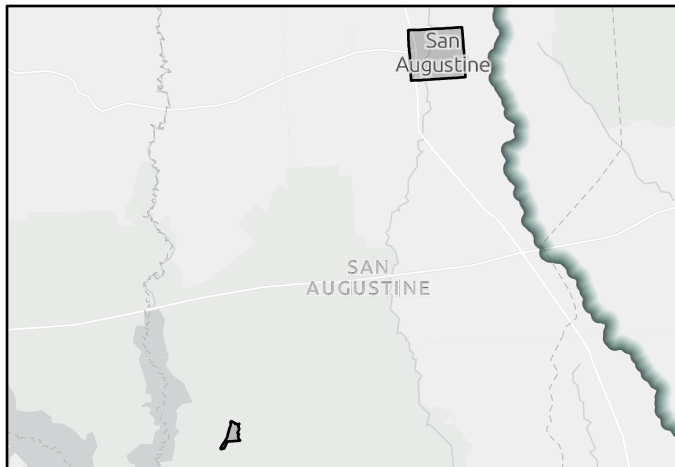
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

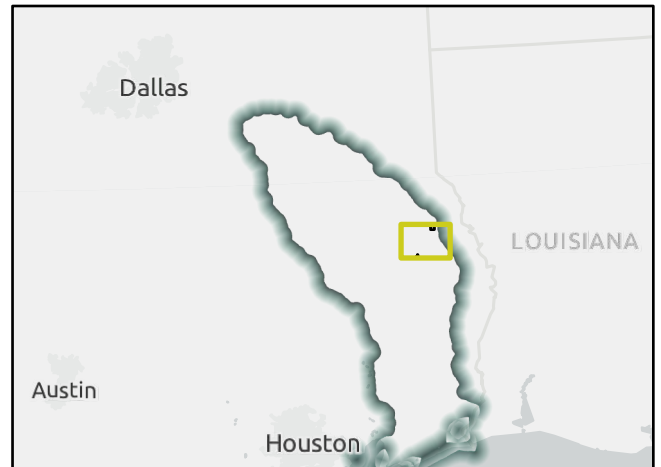
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$1,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

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(s) 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.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="8"/>	# of structures	<input type="text" value="15"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="56"/>	Roadway(s) impacted (miles)	<input type="text" value="5"/>		
Number of low water crossings	<input type="text" value="4"/>	Historical road closures	<input type="text" value="4"/>		

## 100-Year Flood Risk Reduction

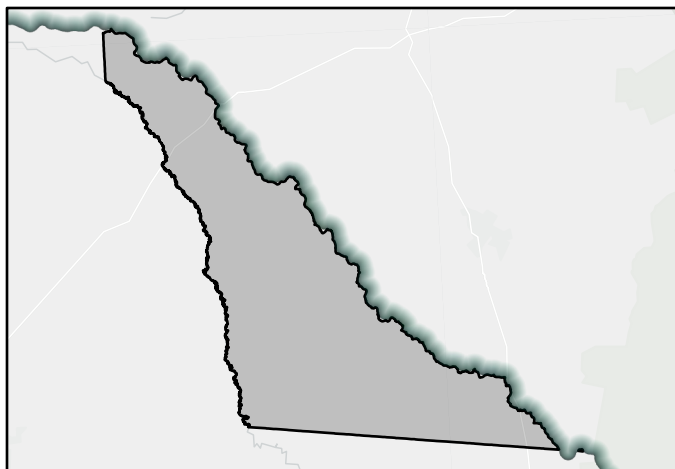
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

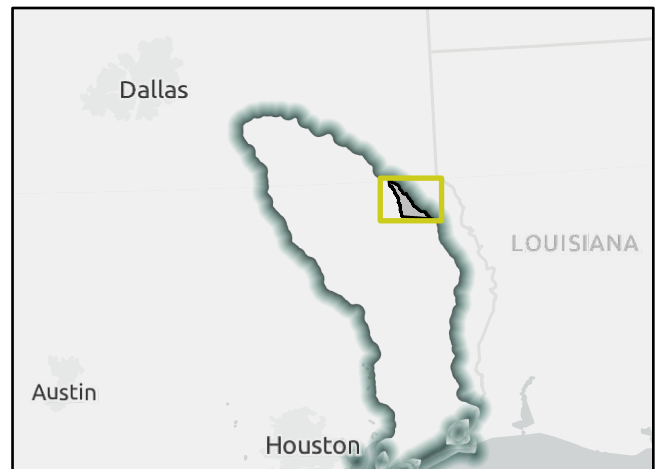
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$3,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

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(s) 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.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="8"/>	# of structures	<input type="text" value="15"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="56"/>	Roadway(s) impacted (miles)	<input type="text" value="5"/>		
Number of low water crossings	<input type="text" value="4"/>	Historical road closures	<input type="text" value="4"/>		

## 100-Year Flood Risk Reduction

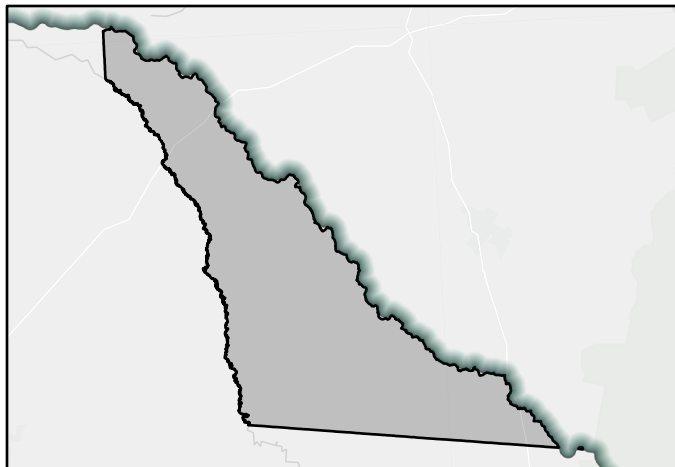
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

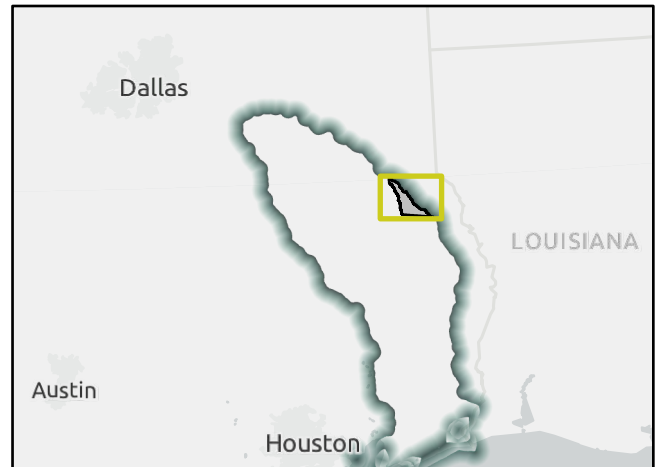
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$2,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal(s)
- Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
  - Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
  - Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="8"/>	# of structures	<input type="text" value="15"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="56"/>	Roadway(s) impacted (miles)	<input type="text" value="5"/>		
Number of low water crossings	<input type="text" value="4"/>	Historical road closures	<input type="text" value="4"/>		

## 100-Year Flood Risk Reduction

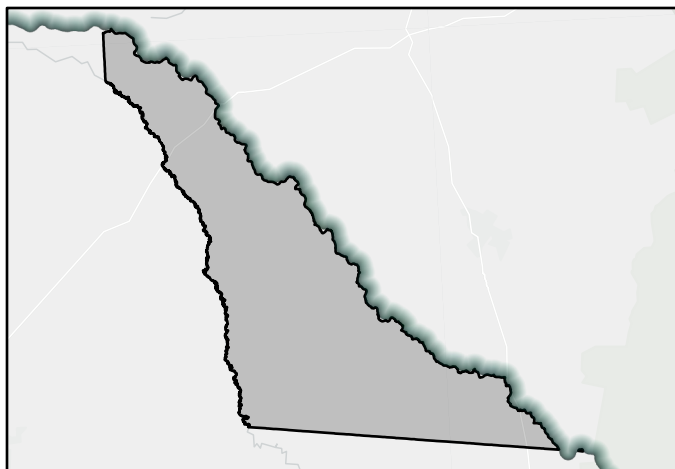
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

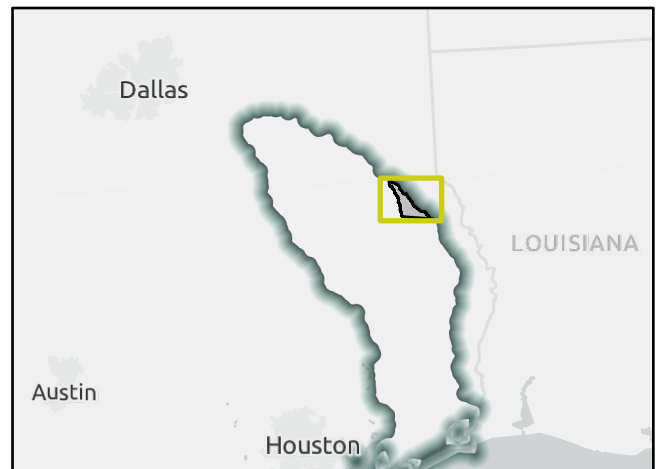
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$2,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="8"/>	# of structures	<input type="text" value="15"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="56"/>	Roadway(s) impacted (miles)	<input type="text" value="5"/>		
Number of low water crossings	<input type="text" value="4"/>	Historical road closures	<input type="text" value="4"/>		

## 100-Year Flood Risk Reduction

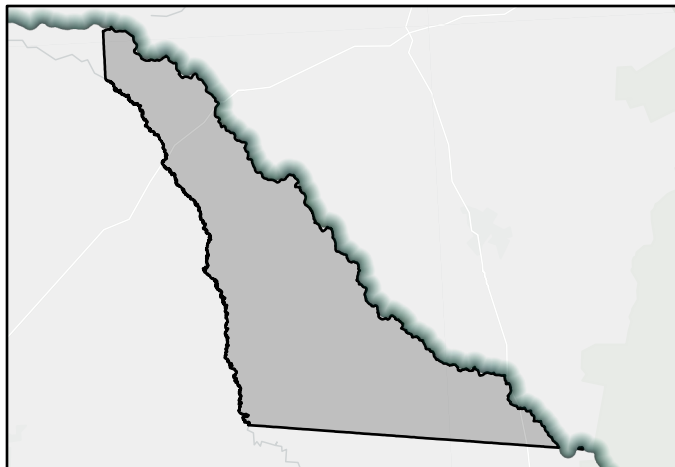
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

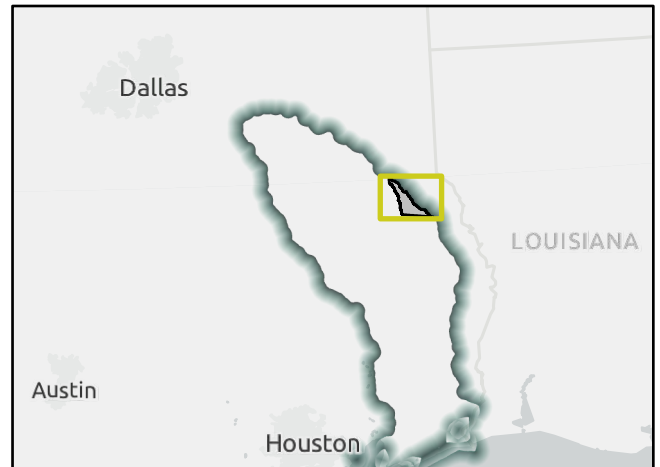
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$2,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal(s)

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="7,482"/>	# of structures	<input type="text" value="1,042"/>	Critical facilities	<input type="text" value="72"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="4"/>	Roadway(s) impacted (miles)	<input type="text" value="23"/>		
Number of low water crossings	<input type="text" value="31"/>	Historical road closures	<input type="text" value="31"/>		

## 100-Year Flood Risk Reduction

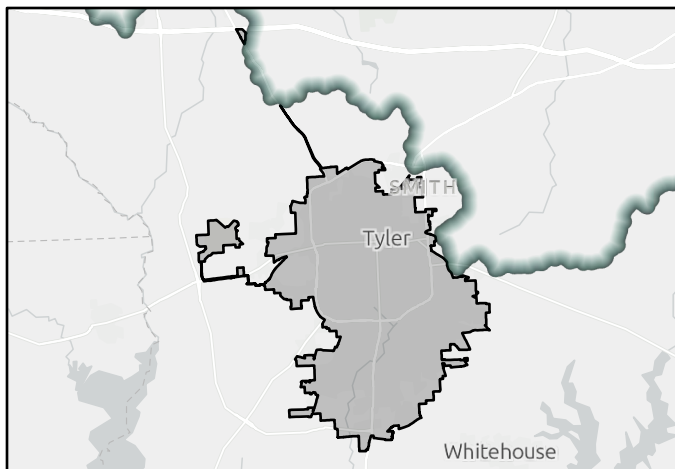
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

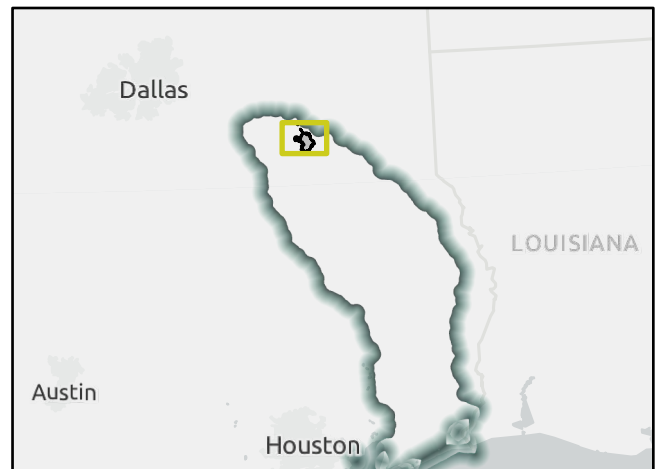
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$1,500,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Whitehouse Drainage Capacity Upgrades

ID# 052000139 Sponsor Whitehouse (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

## Strategy Details

Strategy type Infrastructure Projects County Smith

Strategy description Establish a plan to increase stormwater drainage capacity by completing a hydraulic study, evaluating historical water drainage, then constructing needed improvements.

- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
- Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk	98	# of structures	33	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	2	Roadway(s) impacted (miles)	1		
Number of low water crossings	2	Historical road closures	2		

## 100-Year Flood Risk Reduction

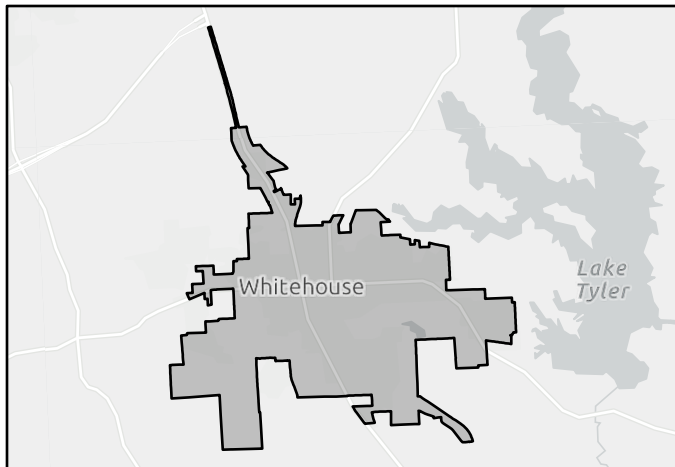
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

## Impacts

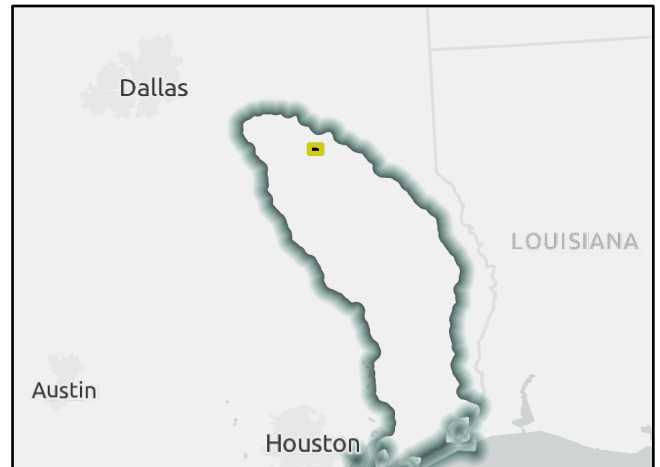
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

## Estimated Cost

Strategy Cost	\$1,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

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(s) 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.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

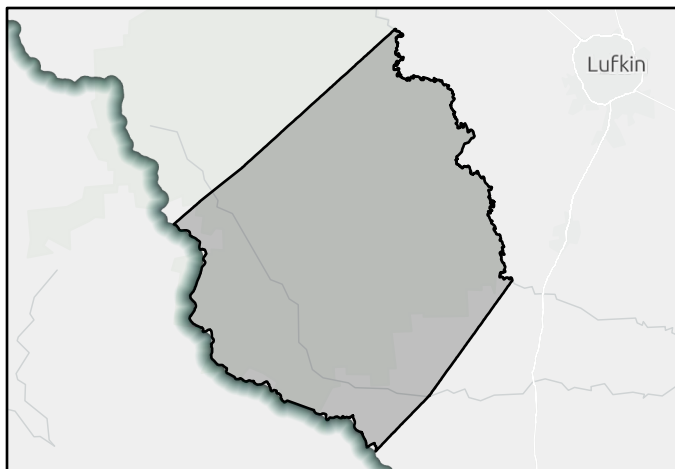
## Impacts

Negative impacts?  Negative impacts description

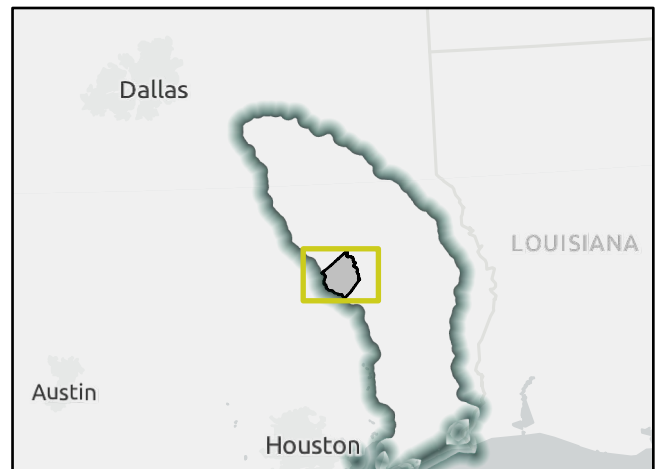
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

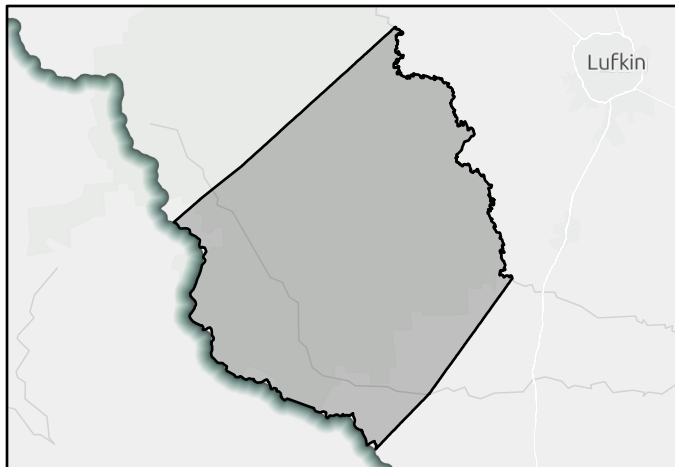
## Impacts

Negative impacts?  Negative impacts description

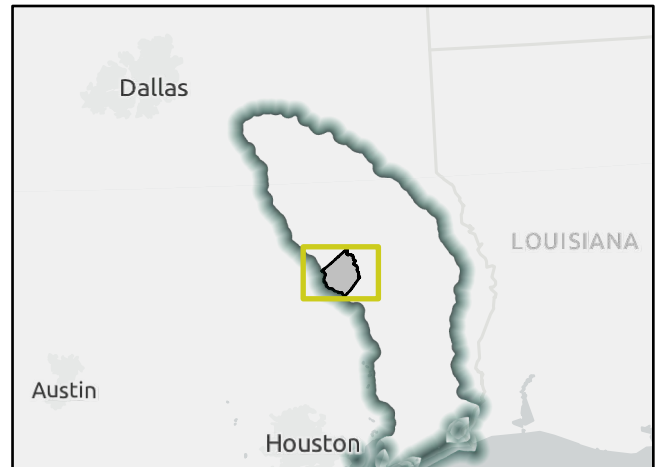
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

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(s) 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.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

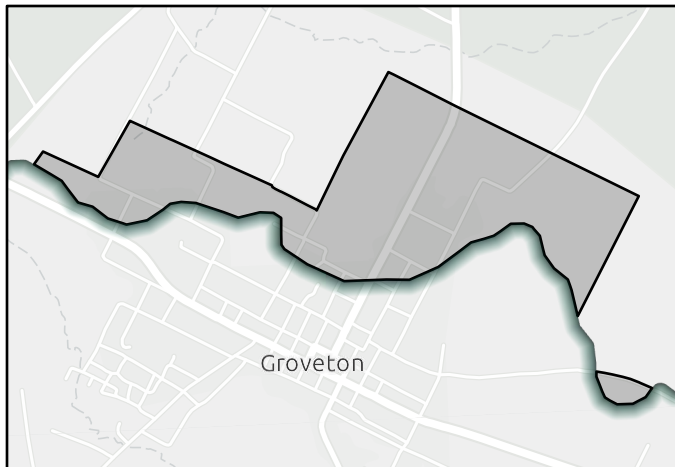
## Impacts

Negative impacts?  Negative impacts description

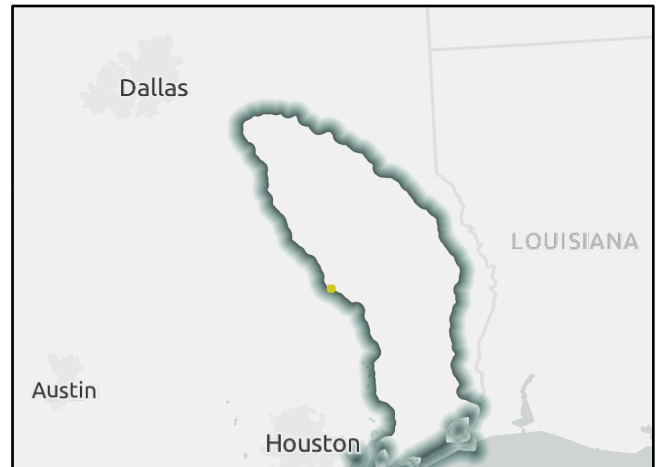
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- 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(s) 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: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

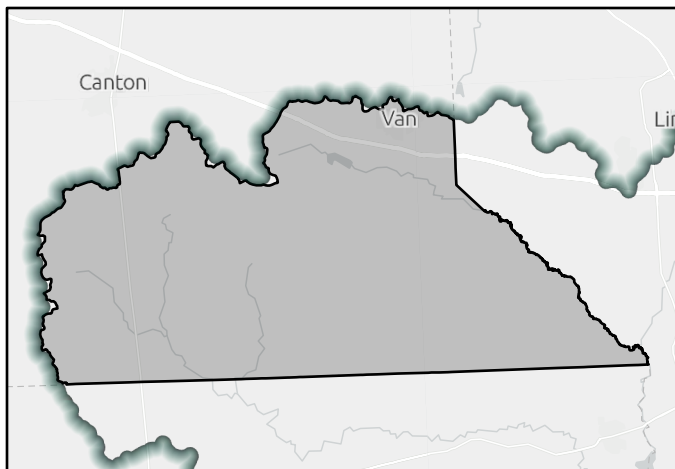
## Impacts

Negative impacts?  Negative impacts description

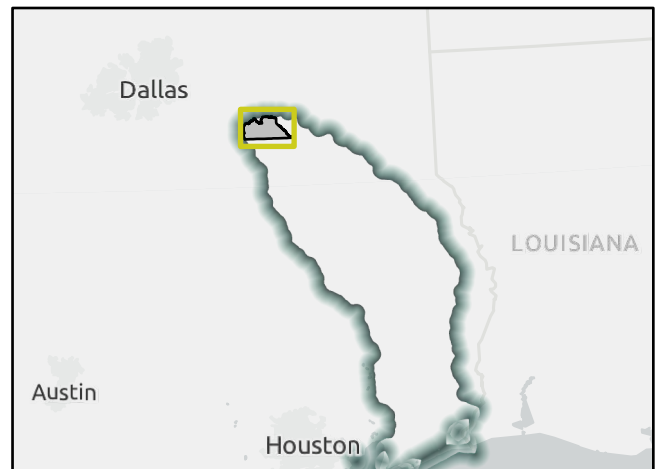
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal(s)
- Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
  - Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.
  - Goal 3: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="233"/>	# of structures	<input type="text" value="217"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="232"/>	Roadway(s) impacted (miles)	<input type="text" value="13"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## 100-Year Flood Risk Reduction

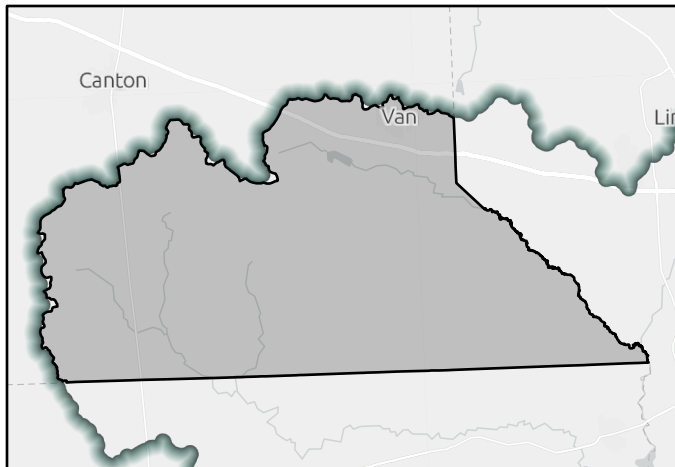
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

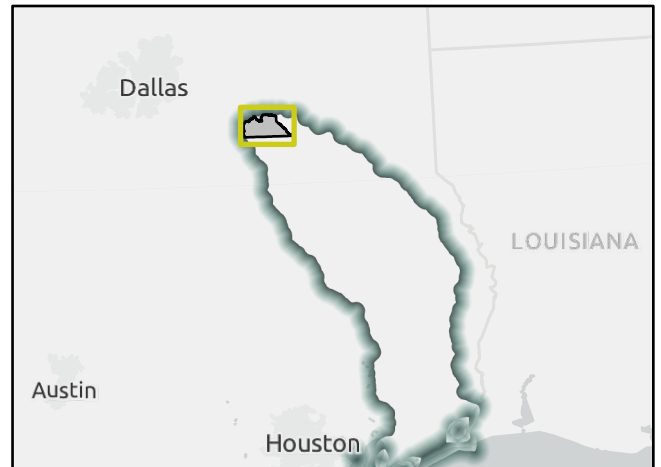
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$2,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Goal(s) Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

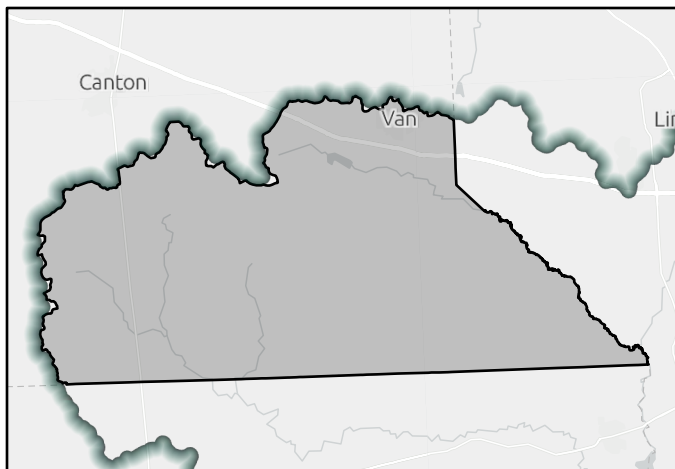
## Impacts

Negative impacts?  Negative impacts description

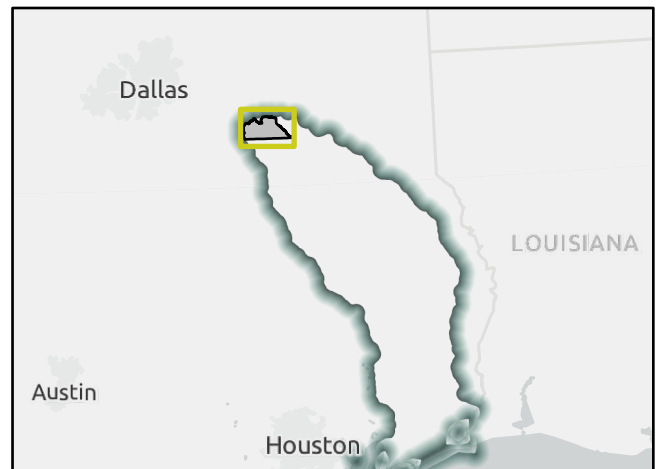
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

Population removed from 100-yr  # of structures removed from 100-yr

Critical facilities removed from 100-yr  Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles)  Low water crossings removed from 100-yr

Other benefits  Reduction in # of road closures over 10 years

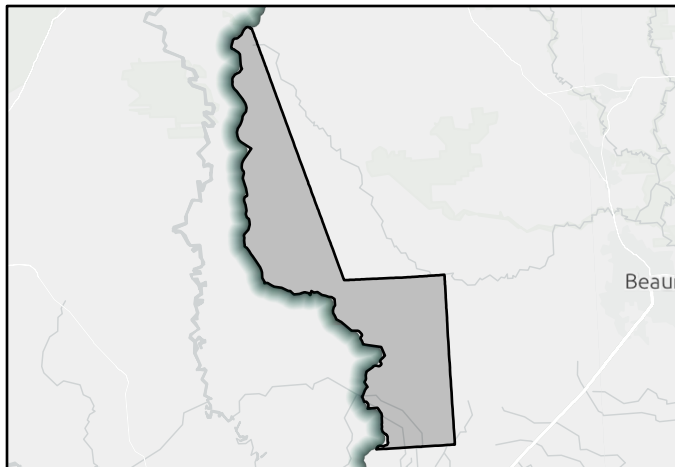
## Impacts

Negative impacts?  Negative impacts description

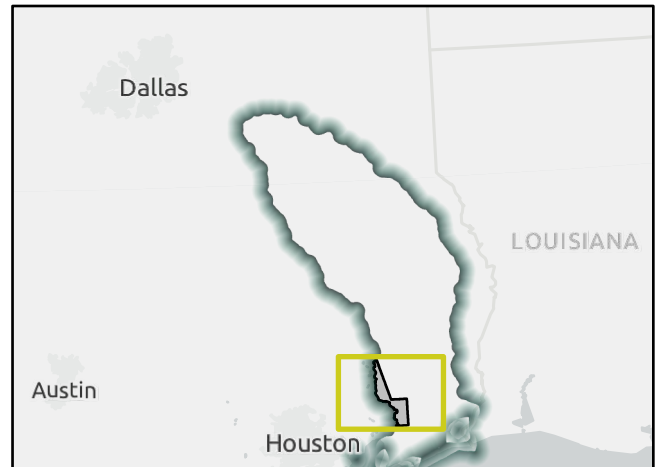
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 5

# NECHES

REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type  County

Strategy description

- 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(s) 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.

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="143"/>	# of structures	<input type="text" value="116"/>	Critical facilities	<input type="text" value="1"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="Yes"/>
Farm/Ranch land impacted (acres)	<input type="text" value="1,526"/>	Roadway(s) impacted (miles)	<input type="text" value="7"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## 100-Year Flood Risk Reduction

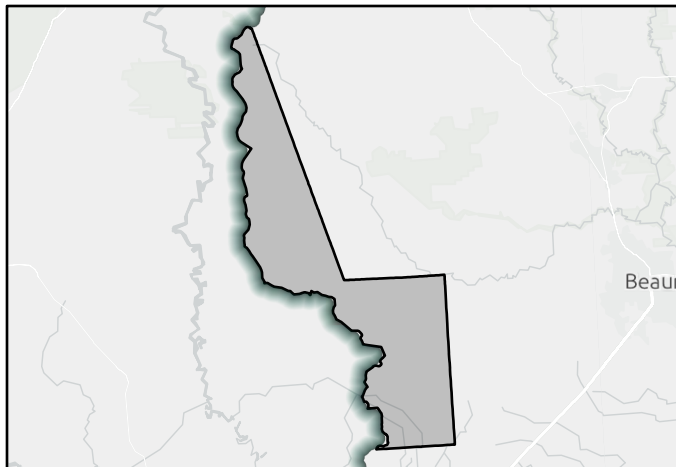
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

## Impacts

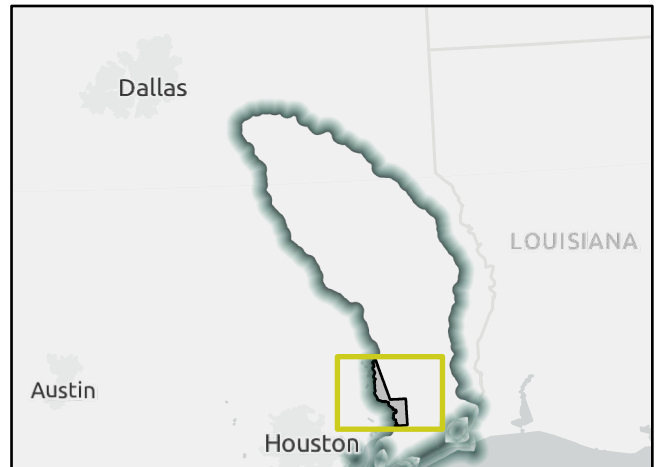
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$50,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area