Flood Management Evaluation (FME)

### Title
Brazoria County Camp Mohawk County Park Development

<table>
<thead>
<tr>
<th>ID#</th>
<th>061000440</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsor</td>
<td>Brazoria (County)</td>
</tr>
<tr>
<td>RFPG recommend?</td>
<td>- Reason for Recommendation -</td>
</tr>
</tbody>
</table>

#### Study Details

**Study type**: Project Planning  
**Study description**: Develop Benefit Cost Analysis in support of the purchase of approximately 160 acres of flood prone area adjacent to and surrounding Camp Mohawk County Park to be used as open space.

<table>
<thead>
<tr>
<th>New Hydrologic or Hydraulic model?</th>
<th>-</th>
<th>Emergency Need?</th>
<th>-</th>
<th>Existing/Anticipated models in near term?</th>
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</thead>
<tbody>
<tr>
<td>County</td>
<td>Brazoria</td>
<td>Watershed HUC# (if known)</td>
<td>120402040300,120402040200,120402040400,120402040100</td>
<td></td>
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<tr>
<td>Drainage area (Square miles, est.)</td>
<td>1,482</td>
<td>Goal(s)</td>
<td>06000001,06000011,06000012,06000015</td>
<td></td>
<td></td>
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</tbody>
</table>

#### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>65,547</th>
<th># of structures</th>
<th>18,848</th>
<th>Critical facilities</th>
<th>248</th>
</tr>
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<tbody>
<tr>
<td>Flood risk type</td>
<td>Riverine?</td>
<td>Yes</td>
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</tr>
<tr>
<td>Farm/Ranch land impacted (acres)</td>
<td>8,584</td>
<td>Roadway(s) impacted (length)</td>
<td>328</td>
<td></td>
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<tr>
<td>Number of low water crossings</td>
<td>0</td>
<td>Historical road closures</td>
<td>0</td>
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</tbody>
</table>

#### Estimated Cost and Funding Availability

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

#### Maps

- **Regional view of FME area**
- **FME Area**

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**Flood Management Evaluation (FME)**

**Title**: Brazoria County Coastal River Flood Extent Analysis

**ID**: 061000038

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

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

### Study Details

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### Estimated Cost and Funding Availability

| Total Cost | $50,000 |
| Amount of Available Funding | - |
| Federal funding availability | - |

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**FME Area Regional view of FME area**

**FME Area**

- Rosenberg
- League City
- Pearland
- Angleton
- Lake Jackson
- San Bernard River Wildlife

**Regional view of FME area**

- College Station
- Sam Houston National Forest
- The Woodlands
- Beaumont
- Houston

---

**Title**

**ID**

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

**RFPG recommend?**

**Reason for Recommendation**

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### Estimated Cost and Funding Availability

| Total Cost | $50,000 |
| Amount of Available Funding | - |
| Federal funding availability | - |

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**FME Area Regional view of FME area**

**FME Area**

- Rosenberg
- League City
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- San Bernard River Wildlife

**Regional view of FME area**

- College Station
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**Title**

**ID**

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

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**Reason for Recommendation**

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### Estimated Cost and Funding Availability

| Total Cost | $50,000 |
| Amount of Available Funding | - |
| Federal funding availability | - |
Flood Management Evaluation (FME)

Title: Brazoria County Drainage Improvements
ID#: 061000046
Sponsor (name of entity, not person): Brazoria (County)
RFPG recommend?: -
Reason for Recommendation: -
Study Details
Study type: Project Planning
Study description: Drainage study needed and evaluated of alternatives include: Widen and reshape drainage ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.
New Hydrologic or Hydraulic model?: -
Emergency Need?: -
Existing/Anticipated models in near term?: -
County: Brazoria
Watershed HUC# (if known): 120402040300, 120402040200, 120402040400, 120402040100
Drainage area (Square miles, est.): 1,482
Goal(s): 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary
Population at risk: 65,547
# of structures: 18,848
Critical facilities: 248
Flood risk type: Riverine? Yes, Coastal? Yes, Local? No, Playa? No
Farm/Ranch land impacted (acres): 8,584
Roadway(s) impacted (length): 328
Number of low water crossings: 0
Historical road closures: 0

Estimated Cost and Funding Availability
Total Cost: $50,000
Amount of Available Funding: -
Federal funding availability: -
Funding source: -
Flood Management Evaluation (FME)

Title: Brazoria County Property Protection
ID#: 061000048
Sponsor (name of entity, not person): Brazoria (County)
RFPG recommend?: -
Reason for Recommendation: -

Study Details

Study type: Project Planning
Study description: Further study required to assess alternatives to restore drainage and mitigate flooding throughout the county.

100-Year Flood Risk Summary

Population at risk: 65,547
# of structures: 18,848
Critical facilities: 248
Flood type: Riverine? Yes, Coastal? Yes, Local? No, Playa? No
Farm/Ranch land impacted (acres): 8,584
Number of low water crossings: 0
Roadway(s) impacted (length): 328
Historical road closures: 0
Flood risk type: Coastal? Yes, Riverine? Yes, Local? No, Playa? No

Estimated Cost and Funding Availability

Total Cost: $50,000
Amount of Available Funding: -
Federal funding availability: -

County: Brazoria
Watershed HUC# (if known): 120402040300,120402040200,120402040400,120402040100
Drainage area (Square miles, est.): 1,482

Goal(s): 06000001,06000011,06000012,06000015

FME Area Regional view of FME area
**Flood Management Evaluation (FME)**

**Title**: Brazoria Flood Mapping Updates

**ID**: 061000301

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

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

---

**Study Details**

**Study type**: Watershed Planning

**Study description**: County wide study to produce flood mappping updates including Atlas 14 rainfall.

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

**County**: Brazoria  **Watershed HUC# (if known)**: 120402040300,120402040200,120402040400,120402040100

**Drainage area (Square miles, est.)**: 1,482  **Goal(s)**: 06000001,06000010,06000015

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**100-Year Flood Risk Summary**

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<th>Population at risk</th>
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<th>Roadway(s) impacted (length)</th>
<th>Historical road closures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riverine? Yes</td>
<td>328</td>
<td>0</td>
</tr>
<tr>
<td>Coastal? Yes</td>
<td></td>
<td></td>
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<tr>
<td>Local? No</td>
<td></td>
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<tr>
<td>Playa? No</td>
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<tr>
<td>Other? No</td>
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**Farm/Ranch land impacted (acres)**: 8,584

**Number of low water crossings**: 0

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**Estimated Cost and Funding Availability**

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>Amount of Available Funding</th>
<th>Federal funding availability</th>
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<tr>
<td>$6,400,000</td>
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**FME Area**: [Map of FME Area]

**Regional view of FME area**: [Map of Regional view of FME area]
Flood Management Evaluation (FME)

Title: Bridgewater Village & Enclave at Bridgewater Drainage Analysis

ID#: 061000026

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

RFPG recommend?: -

Reason for Recommendation: -

Study Details

Study type: Project Planning

Study description: Alternative analysis and assessment of additional protection of basin needed during design to control flows for 100-yr event.

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Harris

Watershed HUC# (if known): 120401040203

Drainage area (Square miles, est.): 0

Goal(s): 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk: 0

# of structures: 0

Critical facilities: 0

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

Farm/Ranch land impacted (acres): -

Roadway(s) impacted (length): 0

Number of low water crossings: -

Historical road closures: -

Estimated Cost and Funding Availability

Total Cost: $1,060,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -

1. [FME Area View]
2. [Regional View of FME Area]
Flood Management Evaluation (FME)

**Title:** Buffalo Bayou - W130-00-00

**ID #:** 061000220

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

**RFPG recommend?** -

### Study Details

<table>
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<tr>
<th>Study type</th>
<th>Project Planning</th>
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<tbody>
<tr>
<td>Study description</td>
<td>Further study of Flood Risk Reduction need identified through the HCFC 'Watershed Planning Too' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall</td>
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<table>
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<tr>
<th>New Hydrologic or Hydraulic model?</th>
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<tr>
<td>County</td>
<td>Harris</td>
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<td>Drainage area (Square miles, est.)</td>
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<td>Watershed HUC# (if known)</td>
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| Drainage area | 3 |
| County | Harris |
| Watershed HUC# | 120401040305, 120401040303 |

| Drainage area | 3 |
| County | Harris |
| Watershed HUC# | 120401040305, 120401040303 |

### 100-Year Flood Risk Summary

| Population at risk | 4,290 |
| Coasts | No |
| Local | No |
| Playa? | No |
| Roadway(s) impacted (length) | 1 |
| Historical road closures | 0 |

### Estimated Cost and Funding Availability

| Total Cost | $700,000 |
| Federal funding availability | - |

| Amount of Available Funding | - |
Flood Management Evaluation (FME)

Title: Buffalo Bayou - W158-00-00

ID#: 061000219

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type: Project Planning

Study description: Further study of Flood Risk Reduction need identified through the HCFC 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall

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

County: Harris

Watershed HUC# (if known): 120401040303

Drainage area (Square miles, est.): 3

Goal(s): 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk: 311

# of structures: 72

Critical facilities: 0

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

Farm/Ranch land impacted (acres): 1

Roadway(s) impacted (length): 1

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $700,000

Amount of Available Funding: -

Federal funding availability: -
Flood Management Evaluation (FME)

Title: Buffalo Bayou - W163-00-00

ID#: 061000221

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

RFPG recommend?: -
Reason for Recommendation: -

Study Details

Study type: Project Planning

Study description: Further study of Flood Risk Reduction need identified through the HCFCDS Watershed Planning Tool to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall.

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

County: Harris
Watershed HUC#: (if known): 120401040303

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

100-Year Flood Risk Summary

Population at risk: 226
# of structures: 70
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 (length): 1
Number of low water crossings: -
Historical road closures: -

Estimated Cost and Funding Availability

Total Cost: $700,000
Amount of Available Funding: -
Federal funding availability: -

FME Area

Regional view of FME area
Flood Management Evaluation (FME)

Title: Buffalo Bayou Watershed Study

ID# 061000179

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

FPG recommend? - Reason for Recommendation -

Study Details

Study type: Watershed Planning

Study description: Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.

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

County: Fort Bend, Harris

Watershed HUC# (if known): 120401040703, 120401040402, 120401040104, 120401040005, 120401040704

Drainage area (Square miles, est.): 102

Goal(s): 06000001, 06000010, 06000015

100-Year Flood Risk Summary

Population at risk: 44,477

# of structures: 1,999

Critical facilities: 34

Flood risk type:

Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Roadway(s) impacted (length): 39

Number of low water crossings: 0

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $900,000

Amount of Available Funding -

Federal funding availability -

Funding source -
### Flood Management Evaluation (FME)

**Title:** Cable - Alligator Creek Watershed

**ID#:** 061000450

**Sponsor (name of entity, not person):** Conroe (Municipality)

**RFPG recommend?:** -

**Reason for Recommendation:** -

### Study Details

**Study type:** Project Planning

**Study description:** Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

**New Hydrologic or Hydraulic model?** -

**Emergency Need?** -

**Existing/Anticipated models in near term?** -

**County:** Montgomery

**Watershed HUC# (if known):** 120401010207,120401010401

**Drainage area (Square miles, est.):** 6

**Goal(s):** 06000001,06000011,06000012,06000015

### 100-Year Flood Risk Summary

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<tbody>
<tr>
<td>69</td>
<td>40</td>
<td>1</td>
<td>Riverine? Yes</td>
<td>1</td>
<td>0</td>
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<td>Coastal? No</td>
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<td>Playa? No</td>
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<tr>
<td>Farm/Ranch land impacted (acres)</td>
<td>7</td>
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<tr>
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**Funding source:** -
## Flood Management Evaluation (FME)

### Title
Cane Island Branch- Alt 1

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<th>061000152</th>
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<th>Waller (County)</th>
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### Study Details

#### Study type
Project Planning

**Study description**: Further study of 2,800 ac-ft detention upstream of Pitts road

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<td>Fort Bend, Harris, Waller</td>
<td>120401040102, 120401040103, 120401040104, 120401040101, 120401040101, 120401040104</td>
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<th>Critical facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,216</td>
<td>546</td>
<td>8</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Flood risk type:</th>
<th>Coastal?</th>
<th>Local?</th>
<th>Playa?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riverine?</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Coastal?</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Local?</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Playa?</td>
<td>No</td>
<td>Other?</td>
<td>No</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Farm/Ranch land impacted (acres)</th>
<th>Roadway(s) impacted (length)</th>
<th>Historical road closures</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>10</td>
<td>4</td>
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### Estimated Cost and Funding Availability

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>Amount of Available Funding</th>
<th>Federal funding availability</th>
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</thead>
<tbody>
<tr>
<td>$180,000</td>
<td>-</td>
<td>-</td>
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</table>

### Maps

- **FME Area**: Detailed map of the study area, showing key locations and drainage areas.
- **Regional view of FME area**: Wide-angle map capturing the regional context of the FME area.
Flood Management Evaluation (FME)

Title: Cane Island Branch- Alt 2

ID#: 061000085

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

RFPG recommend?: -

Reason for Recommendation: -

Study Details

Study type: Project Planning

Study description: Further study and FMP development of proposed channel modifications to Cane Island Branch including Atlas 14 rainfall.

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Fort Bend, Harris, Waller

Watershed HUC# (if known): 120401040102, 120401040103, 120401040104, 120401040101, 120401040100

Drainage area (Square miles, est.): 15

Goal(s): 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk: 2,216

# of structures: 546

Critical facilities: 8

Flood risk type: Yes

Coastal?: No

Local?: No

Playa?: No

Roadway(s) impacted (length): 10

Number of low water crossings: 4

Number of low water crossings: 4

Historical road closures: 4

Estimated Cost and Funding Availability

Total Cost: $3,270,000

Amount of Available Funding: -

Federal funding availability: -
Flood Management Evaluation (FME)

Title: Cannon Ditch Segment 2

ID#: 061000054

Sponsor (name of entity, not person): Pearland (Municipality)

RFPG recommend?: -

Reason for Recommendation: -

Study Details

Study type: Project Planning

Study description: Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Brazoria

Watershed HUC# (if known): 120402040200, 120402040100

Drainage area (Square miles, est.): 6

Goal(s): 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk: 814

# of structures: 574

Critical facilities: 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Farm/Ranch land impacted (acres): 27

Roadway(s) impacted (length): 3

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $932,000

Amount of Available Funding: -

Federal funding availability: -
## Flood Management Evaluation (FME)

**Title**  
Carpenters (N100-00-00) Channel Improvements

**ID#** 061000402

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

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

### Study Details

**Study type** Project Planning

**Study description** Study to develop a Cost Benefit Analysis and elevate the project to a FMP. Carpenters Bayou (N100-00-00) channel conveyance improvements.

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

**County** Harris  
**Watershed HUC# (if known)** 120401040702

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

### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th># of structures</th>
<th>Critical facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>531</td>
<td>153</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Flood risk type</th>
<th>Riverine?</th>
<th>Coastal?</th>
<th>Local?</th>
<th>Playa?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Farm/Ranch land impacted (acres)</th>
<th>Roadway(s) impacted (length)</th>
<th>Historical road closures</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2</td>
<td>0</td>
</tr>
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</table>

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

### Estimated Cost and Funding Availability

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>Amount of Available Funding</th>
<th>Federal funding availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>$30,000</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Maps

- **FME Area**
- **Regional view of FME area**
Flood Management Evaluation (FME)

Title: Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood)

ID#: 061000464

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

RFPG recommend?: -

Reason for Recommendation: -

Study Details

Study type: Project Planning

Study description: Further study to develop a BCA required to elevate project to FMP. The project is to reduce flooding in the Problem Area #5 identified by the Carpenters Bayou Watershed Planning Project Report, 2021.

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Harris

Watershed HUC# (if known): 120401010502, 120401040605, 120401040703, 120401040705, 12040104075, 12040104079

Drainage area (Square miles, est.): 31

Goal(s): 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk: 2,384

# of structures: 374

Critical facilities: 7

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Farm/Ranch land impacted (acres): 7

Roadway(s) impacted (length): 10

Number of low water crossings: 7

Historical road closures: 7

Estimated Cost and Funding Availability

Total Cost: $30,000

Amount of Available Funding: -

Federal funding availability: -
Flood Management Evaluation (FME)

Title: Carpenters Planing Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)

ID# 061000333

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

RFPG recommend? - Reason for Recommendation -

Study Details

Study type: Project Planning
Study description: Study to develop a BCR required for this project to become a FMP. Drainage system upgrade using combination of 9'x7' RCB spanning 3,000' and a 109 acre-feet detention facility providing drainage relief for this portion of the Cloverleaf Community.

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

County Harris
Watershed HUC# (if known) 120401040702,120401040606

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

100-Year Flood Risk Summary

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

Estimated Cost and Funding Availability

Total Cost $30,000 Amount of Available Funding - Federal funding availability -
Funding source HCFCD
Flood Management Evaluation (FME)

Title: Carpenters Planning Study N110-00-00 Diversion to P103-00/P103-03

ID#: 061000174

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

RFPG recommend?: -
Reason for Recommendation: -

Study Details

Study type: Project Planning
Study description: Feasibility study needed to evaluate a designed interconnection to lower Greens Bayou

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

County: Harris
Watershed HUC#: (if known) 120401010502, 120401040605, 120401040703, 120401040705, 1204010401040

Drainage area (Square miles, est.): 31
Goal(s): 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk: 4,689
# of structures: 812
Critical facilities: 24

Flood risk type: Riverine? Yes, Coastal? Yes, Local? No, Playa? No
Roadway(s) impacted (length): 19
Historical road closures: 2

Farm/Ranch land impacted (acres): 96
Number of low water crossings: 2

Estimated Cost and Funding Availability

Total Cost: $700,000
Amount of Available Funding: -
Federal funding availability: -

Funding source: -
### Flood Management Evaluation (FME)

**Title:** Catalina  
**ID #:** 061000465  
**Sponsor:** Houston (Municipality)  
**RFPG recommend?:** -  
**Reason for Recommendation:** -

#### Study Details

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<thead>
<tr>
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<th>Study description</th>
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<tbody>
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<td>Project Planning</td>
<td>Study to develop a BCR and other data needed to elevate project to a FMP. FIF application information unavailable.</td>
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</table>

<table>
<thead>
<tr>
<th>New Hydrologic or Hydraulic model?</th>
<th>Emergency Need?</th>
<th>Existing/Anticipated models in near term?</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
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<table>
<thead>
<tr>
<th>County</th>
<th>Watershed HUC# (if known)</th>
<th>Drainage area (Square miles, est.)</th>
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<tbody>
<tr>
<td>Brazoria, Galveston, Fort</td>
<td>120402040100</td>
<td>262</td>
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<tr>
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<th>Total Cost</th>
<th>Amount of Available Funding</th>
<th>Federal funding availability</th>
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<tr>
<td>06000001,06000011,06000012,06000015</td>
<td>$173,000</td>
<td>-</td>
<td>-</td>
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</table>

#### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th># of structures</th>
<th>Critical facilities</th>
<th>Flood type: Riverine?</th>
<th>Coastal?</th>
<th>Local?</th>
<th>Playa?</th>
<th>Roadway(s) impacted (length)</th>
<th>Number of low water crossings</th>
</tr>
</thead>
<tbody>
<tr>
<td>571</td>
<td>271</td>
<td>0</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>7</td>
<td>0</td>
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#### Estimated Cost and Funding Availability

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>Amount of Available Funding</th>
<th>Federal funding availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>$173,000</td>
<td>-</td>
<td>-</td>
</tr>
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</table>
Flood Management Evaluation (FME)

Title: Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942

ID#: 061000376

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

RFPG recommend?: -

Reason for Recommendation: -

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements from US 90 to FM 1942

100-Year Flood Risk Summary

Population at risk: 345

# of structures: 228

Critical facilities: 0

Flood type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Farm/Ranch land impacted (acres): 892

Roadway(s) impacted (length): 12

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $30,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -
### Flood Management Evaluation (FME)

**Title:** Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960

**ID#** 061000379

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

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

### Study Details

**Study type:** Project Planning

**Study description:** Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements upstream of FM 1960

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

**County:** Chambers,Harris,Liberty

**Watershed HUC# (if known):** 120401030205,120401040705,120401040706,120401040704,120401030205

**Drainage area (Square miles, est.):** 23

**Goal(s):** 06000001,06000011,06000012,06000015

### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th># of structures</th>
<th>Critical facilities</th>
<th>Flood risk type:</th>
<th>Coastal?</th>
<th>Local?</th>
<th>Playa?</th>
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<tbody>
<tr>
<td>147</td>
<td>75</td>
<td>0</td>
<td>Riverine?</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
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<tr>
<td>Farm/Ranch land impacted (acres)</td>
<td>463</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Number of low water crossings</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</table>

**Roadway(s) impacted (length):** 5

**Historical road closures:** 0

### Estimated Cost and Funding Availability

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>Amount of Available Funding</th>
<th>Federal funding availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>$30,000</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Funding source:** -

### Maps

**FME Area:**

![FME Area Map]

**Regional view of FME area:**

![Regional view Map]
Flood Management Evaluation (FME)

Title: Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)

ID#: 061000369

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

RFPG recommend?: -

Reason for Recommendation: -

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Chambers, Harris

Watershed HUC# (if known): 120401040706, 120402030105, 120402030106

Drainage area (Square miles, est.): 19

Goal(s): 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk: 1,274

# of structures: 319

Critical facilities: 0

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

Farm/Ranch land impacted (acres): 25

Roadway(s) impacted (length): 5

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $30,000

Amount of Available Funding: -

Federal funding availability: -

Funding source: -
Title: Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)

ID#: 061000367

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

RFPG recommend?: Reason for Recommendation

**Study Details**

<table>
<thead>
<tr>
<th>Study type</th>
<th>Study description</th>
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<tbody>
<tr>
<td>Project Planning</td>
<td>Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou</td>
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<table>
<thead>
<tr>
<th>New Hydrologic or Hydraulic model?</th>
<th>Emergency Need?</th>
<th>Existing/Anticipated models in near term?</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
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<table>
<thead>
<tr>
<th>County</th>
<th>Watershed HUC# (if known)</th>
</tr>
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<tbody>
<tr>
<td>Chambers,Harris</td>
<td>120401040706,120402030106,120402030200</td>
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<th>Drainage area (Square miles, est.)</th>
<th>Goal(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td>06000001,06000011,06000012,06000015</td>
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</table>

**100-Year Flood Risk Summary**

<table>
<thead>
<tr>
<th>Population at risk</th>
<th># of structures</th>
<th>Critical facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,046</td>
<td>230</td>
<td>7</td>
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<table>
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<tr>
<th>Flood risk type</th>
<th>Farm/Ranch land impacted (acres)</th>
<th>Number of low water crossings</th>
<th>Roadway(s) impacted (length)</th>
<th>Historical road closures</th>
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<tbody>
<tr>
<td>Riverine? Yes</td>
<td>47</td>
<td>0</td>
<td>8</td>
<td>0</td>
</tr>
<tr>
<td>Coastal? Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Local? No</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Playa? No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other? No</td>
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**Estimated Cost and Funding Availability**

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>Amount of Available Funding</th>
<th>Federal funding availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>$30,000</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
# Flood Management Evaluation (FME)

**Title:** Cedar Bayou Flood Risk Reduction Study - Q128 Channel Improvements from US 90 to Q100 Confluence

**ID#:** 061000374

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

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

## Study Details

<table>
<thead>
<tr>
<th>Study type</th>
<th>Project Planning</th>
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</thead>
<tbody>
<tr>
<td>Study description</td>
<td>Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements from US 90 to Confluence with Q100</td>
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</table>

<table>
<thead>
<tr>
<th>New Hydrologic or Hydraulic model?</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Need?</td>
<td>-</td>
</tr>
<tr>
<td>Existing/Anticipated models in near term?</td>
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<table>
<thead>
<tr>
<th>County</th>
<th>Chambers, Harris, Liberty</th>
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</thead>
<tbody>
<tr>
<td>Watershed HUC# (if known)</td>
<td>120401030205, 120401040705, 120401040706, 120401040704, 120402030600001, 06000011, 06000012, 06000015</td>
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</table>

<table>
<thead>
<tr>
<th>Drainage area (Square miles, est.)</th>
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</thead>
<tbody>
<tr>
<td>Goal(s)</td>
<td>06000001, 06000011, 06000012, 06000015</td>
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</table>

## 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th>199</th>
</tr>
</thead>
<tbody>
<tr>
<td># of structures</td>
<td>142</td>
</tr>
<tr>
<td>Critical facilities</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flood risk type</th>
<th>Riverine? Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coastal? Yes</td>
<td></td>
</tr>
<tr>
<td>Local? No</td>
<td></td>
</tr>
<tr>
<td>Playa? No</td>
<td></td>
</tr>
</tbody>
</table>

| Farm/Ranch land impacted (acres) | 161 |
| Roadway(s) impacted (length)     | 6   |
| Historical road closures         | 0   |

## Estimated Cost and Funding Availability

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

---

![FME Area](image1.png)  
![Regional view of FME area](image2.png)
Flood Management Evaluation (FME)

Title: Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence

ID#: 061000368

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

RFPG recommend?: -

Reason for Recommendation: -

Study Details

Study type: Project Planning

Study description: Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence

New Hydrologic or Hydraulic model?: -

Emergency Need?: -

Existing/Anticipated models in near term?: -

County: Chambers,Harris,Liberty

Watershed HUC#: (if known): 120401030205,120401040705,120401040706,120401040704,12040104030

Drainage area (Square miles, est.): 4

Goal(s): 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk: 241

# of structures: 174

Critical facilities: 0

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

Farm/Ranch land impacted (acres): 141

Roadway(s) impacted (length): 3

Number of low water crossings: 0

Historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $30,000

Amount of Available Funding: -

Federal funding availability: -
### Study Details

<table>
<thead>
<tr>
<th>New Hydrologic or Hydraulic model?</th>
<th>Emergency Need?</th>
<th>Existing/Anticipated models in near term?</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

#### Study type
Watershed Planning

#### Study description
Further study for all participating jurisdictions to update dam and levee failure inundation maps, and update floodplain and floodway maps throughout the county. The updated maps will also be made available to the public.

<table>
<thead>
<tr>
<th>County</th>
<th>Watershed HUC# (if known)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chambers</td>
<td>120402030105, 120402030104, 120402030106, 120402030200</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drainage area (Square miles, est.)</th>
<th>Goal(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>866</td>
<td>06000001, 06000010, 06000015</td>
</tr>
</tbody>
</table>

### 100-Year Flood Risk Summary

<table>
<thead>
<tr>
<th>Population at risk</th>
<th># of structures</th>
<th>Critical facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>797</td>
<td>151</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flood risk type:</th>
<th>Riverine?</th>
<th>Yes</th>
<th>Coastal?</th>
<th>Yes</th>
<th>Local?</th>
<th>No</th>
<th>Playa?</th>
<th>No</th>
<th>Other?</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Farm/Ranch land impacted (acres)</td>
<td>354</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Number of low water crossings</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Roadway(s) impacted (length)</td>
<td>0</td>
<td></td>
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<tr>
<td>Historical road closures</td>
<td>0</td>
<td></td>
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</tbody>
</table>

### Estimated Cost and Funding Availability

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>Amount of Available Funding</th>
<th>Federal funding availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>$3,700,000</td>
<td>-</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Funding source</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
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</tbody>
</table>