Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Neches Region Anderson County Update Flood Hazard Mapping

FME ID: 05-51-0000000001 Sponsor Entity ID: 00-01-0000000156

Sponsor name: Anderson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $2,706,670

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

County: Anderson Existing/Anticipated Models? Yes New H&H Model? Yes

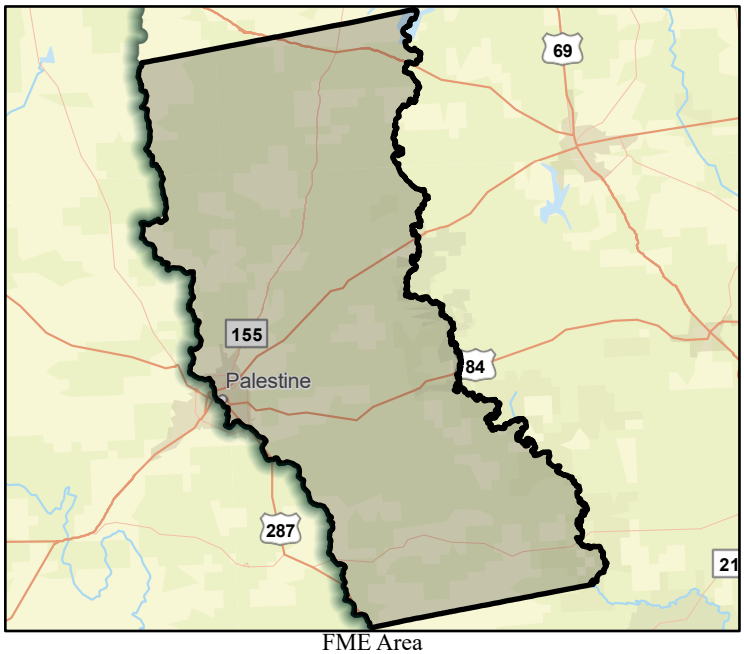
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 497.42 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	1,119	Structures at Risk	556	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	224.42	Impacted Roadway Miles	83.77
Low Water Crossings	10	Total Historical Road Closures	10	Residential at Risk	376



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Angelina County Update Flood Hazard Mapping

FME ID: 05-51-0000000002 Sponsor Entity ID: 05-01-0000000125

Sponsor name: Angelina County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $4,719,000

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

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

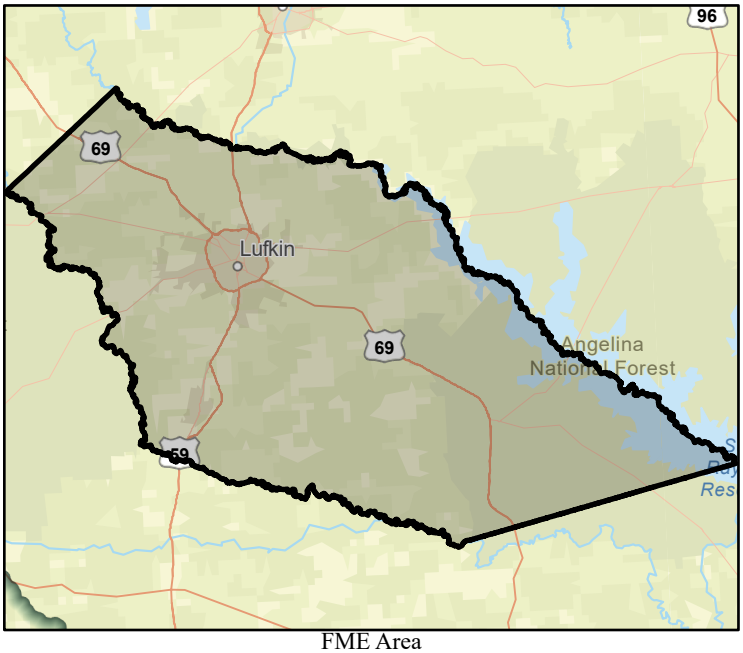
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 864.66 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	14,218	Structures at Risk	2,795	Critical Facilities at Risk	37
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	40.87	Impacted Roadway Miles	193.84
Low Water Crossings	48	Total Historical Road Closures	48	Residential at Risk	1,860



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Chambers County Update Flood Hazard Mapping

FME ID: 05-51-0000000003 Sponsor Entity ID: 00-01-0000000013

Sponsor name: Chambers County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $789,580

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

County: Chambers Existing/Anticipated Models? Yes New H&H Model? Yes

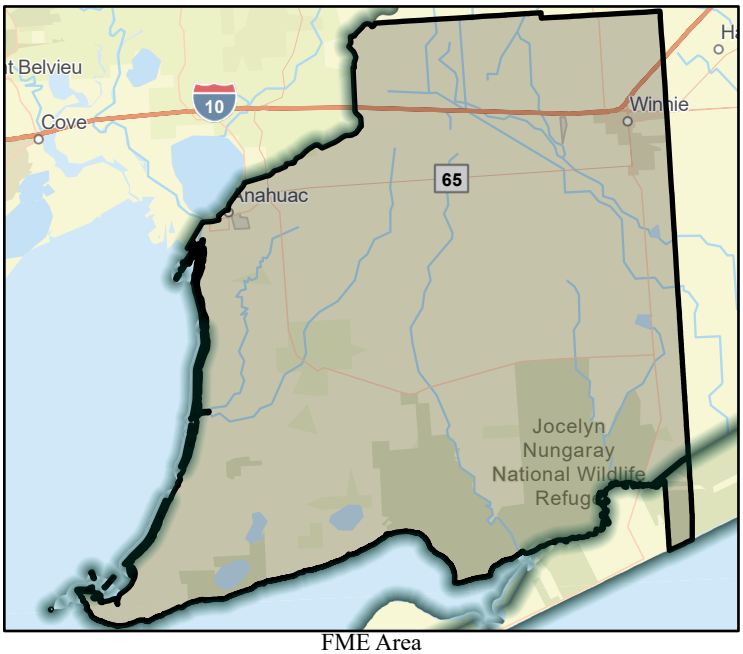
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 433.91 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	5,041	Structures at Risk	4,006	Critical Facilities at Risk	7
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	59,127.5	Impacted Roadway Miles	211.66
Low Water Crossings	6	Total Historical Road Closures	6	Residential at Risk	2,138



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

FME ID: 05-51-0000000004 Sponsor Entity ID: 05-01-0000000159

Sponsor name: Cherokee County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $5,808,000

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

County: Cherokee Existing/Anticipated Models? Yes New H&H Model? Yes

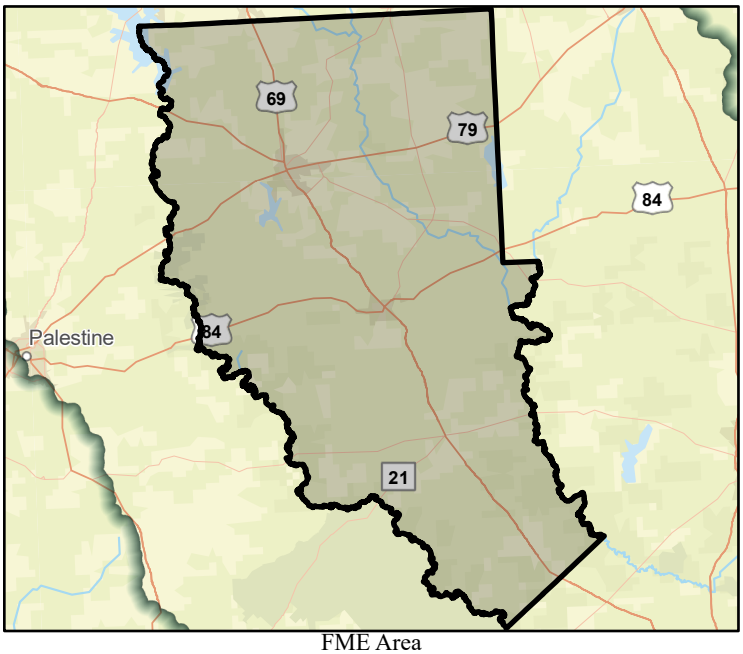
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 1,062.18 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	4,401	Structures at Risk	1,379	Critical Facilities at Risk	9
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	690.43	Impacted Roadway Miles	162.39
Low Water Crossings	37	Total Historical Road Closures	37	Residential at Risk	729



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Galveston County Update Flood Hazard Mapping

FME ID: 05-51-0000000005 Sponsor Entity ID: 00-01-0000000006

Sponsor name: Galveston County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $82,890

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

County: Galveston Existing/Anticipated Models? Yes New H&H Model? Yes

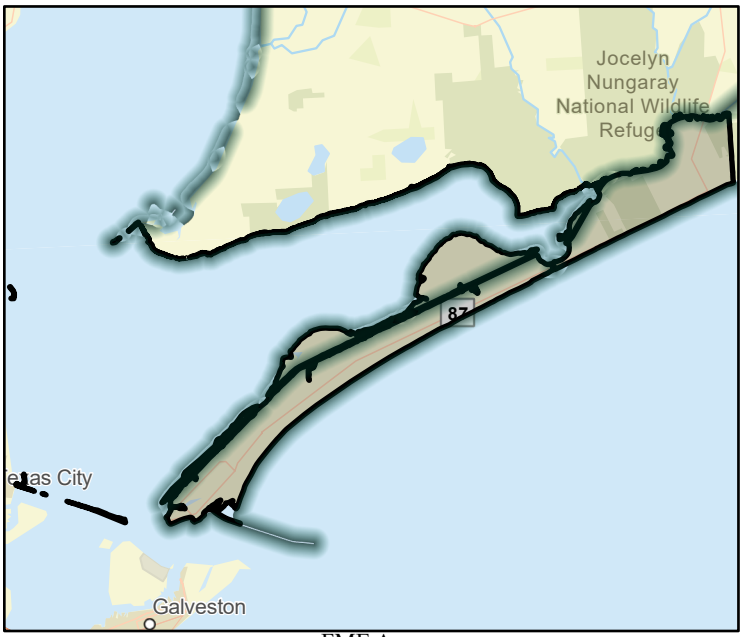
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 57.13 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	1,831	Structures at Risk	4,985	Critical Facilities at Risk	5
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	93.78	Impacted Roadway Miles	138.08
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	4,507



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Update Flood Hazard Mapping

FME ID: 05-51-0000000006 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $2,178,000

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

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

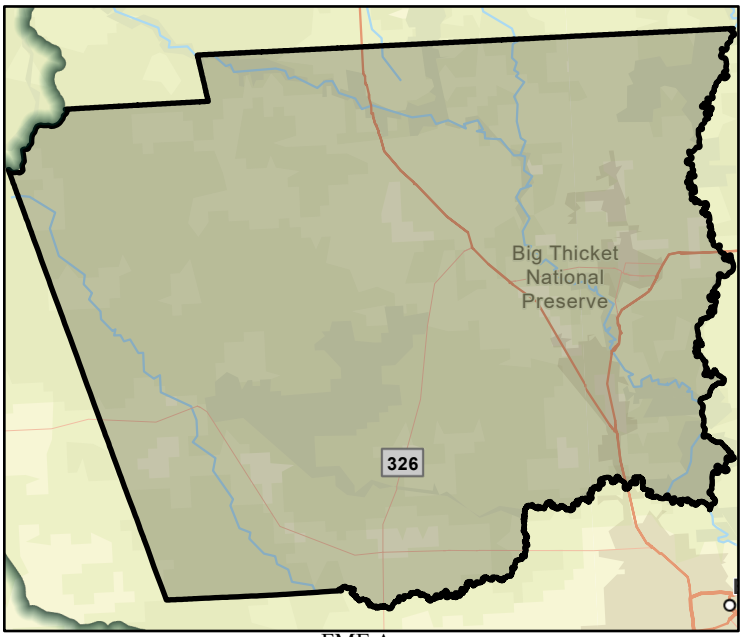
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 891.15 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	11,420	Structures at Risk	6,135	Critical Facilities at Risk	59
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1,020.87	Impacted Roadway Miles	286.2
Low Water Crossings	20	Total Historical Road Closures	20	Residential at Risk	4,133



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Henderson County Update Flood Hazard Mapping

FME ID: 05-51-0000000007 Sponsor Entity ID: 00-01-0000000164

Sponsor name: Henderson County (County)

RFPG recommend? No Reason for Recommendation: Defer to Trinity Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $2,034,750

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

County: Henderson Existing/Anticipated Models? Yes New H&H Model? Yes

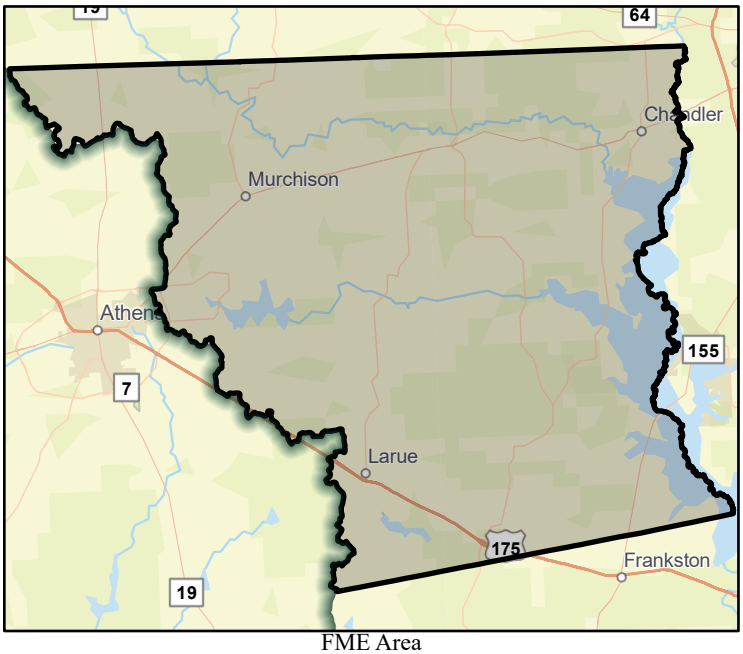
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 375.4 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	1,031	Structures at Risk	692	Critical Facilities at Risk	2
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	183.32	Impacted Roadway Miles	61.19
Low Water Crossings	9	Total Historical Road Closures	9	Residential at Risk	414



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Houston County Update Flood Hazard Mapping

FME ID: 05-51-0000000008 Sponsor Entity ID: 00-01-0000000128

Sponsor name: Houston County (County)

RFPG recommend? No Reason for Recommendation: Defer to Trinity Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $2,053,580

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

County: Houston Existing/Anticipated Models? Yes New H&H Model? Yes

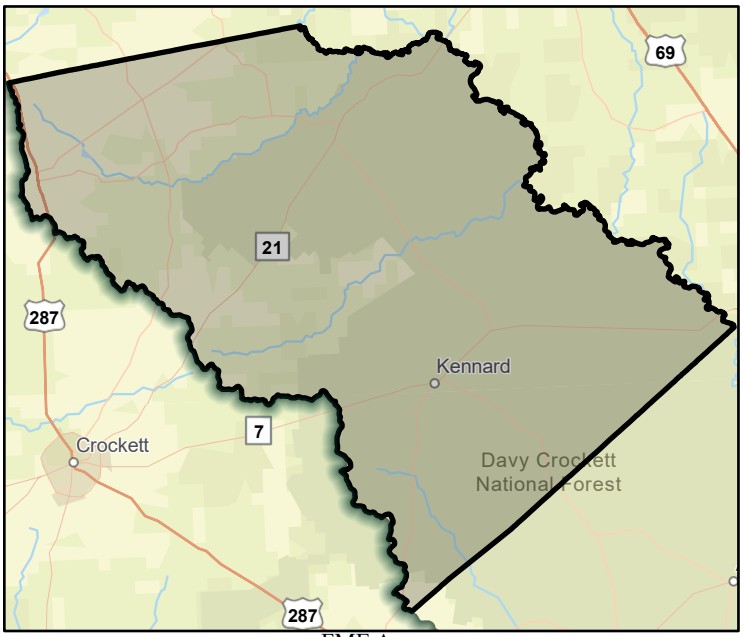
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 419.99 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	274	Structures at Risk	139	Critical Facilities at Risk	5
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	79.73	Impacted Roadway Miles	67.25
Low Water Crossings	20	Total Historical Road Closures	20	Residential at Risk	49



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

FME ID: 05-51-0000000009 Sponsor Entity ID: 00-01-0000000059

Sponsor name: Jasper County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,464,970

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

County: Jasper Existing/Anticipated Models? Yes New H&H Model? Yes

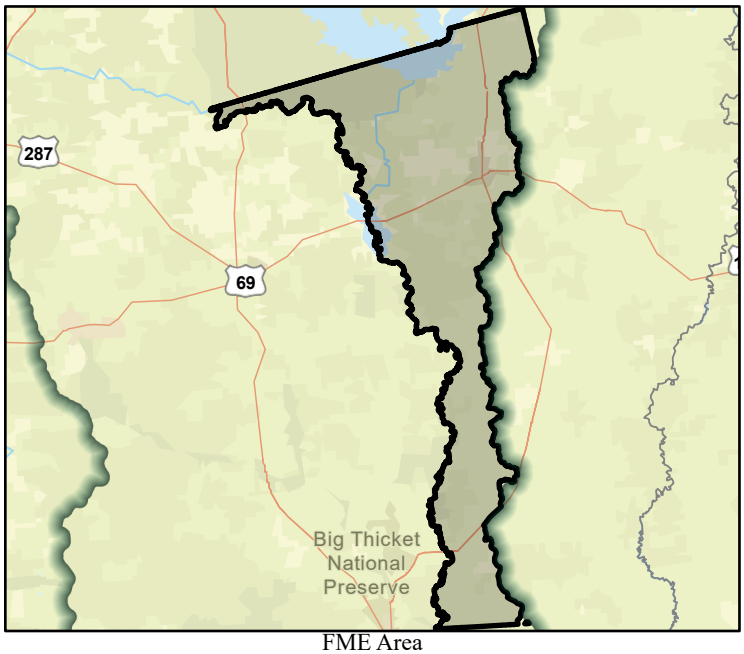
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 618.06 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	4,576	Structures at Risk	1,480	Critical Facilities at Risk	60
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	35.18	Impacted Roadway Miles	105.66
Low Water Crossings	14	Total Historical Road Closures	14	Residential at Risk	702



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Update Flood Hazard Mapping

FME ID: 05-51-0000000010 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $2,299,000

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

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

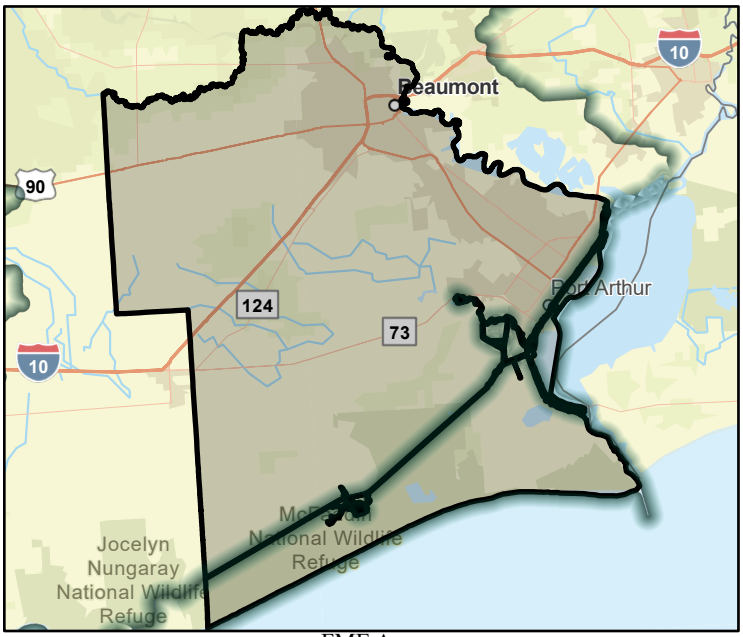
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 957.65 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	164,051	Structures at Risk	65,754	Critical Facilities at Risk	2,012
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	54,538.14	Impacted Roadway Miles	1,297.53
Low Water Crossings	126	Total Historical Road Closures	126	Residential at Risk	54,320



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Liberty County Update Flood Hazard Mapping

FME ID: 05-51-0000000011 Sponsor Entity ID: 00-01-0000000033

Sponsor name: Liberty County (County)

RFPG recommend? No Reason for Recommendation: Defer to Trinity Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $487,180

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

County: Liberty Existing/Anticipated Models? Yes New H&H Model? Yes

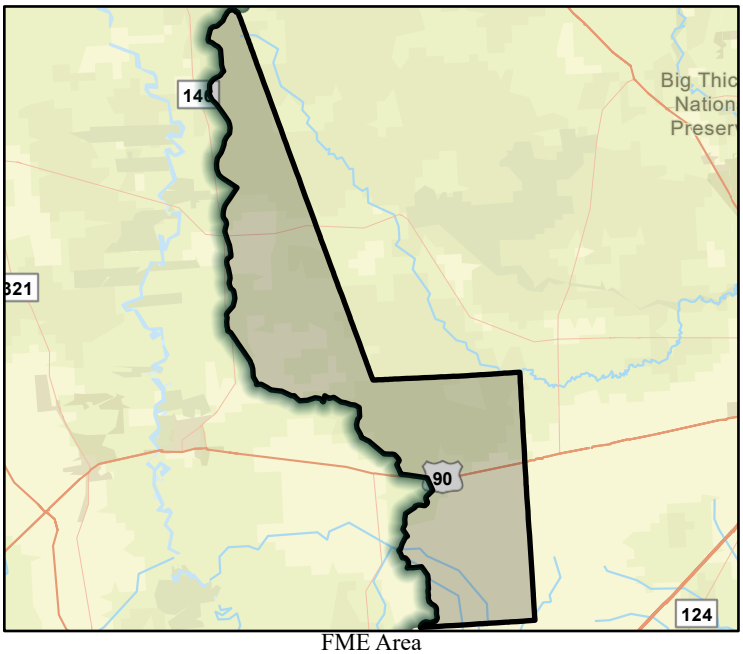
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 236.4 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	999	Structures at Risk	757	Critical Facilities at Risk	9
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3,795.9	Impacted Roadway Miles	36.96
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	515



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Nacogdoches County Update Flood Hazard Mapping

FME ID: 05-51-0000000012 Sponsor Entity ID: 05-01-0000000139

Sponsor name: Nacogdoches County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $5,324,000

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

County: Nacogdoches Existing/Anticipated Models? Yes New H&H Model? Yes

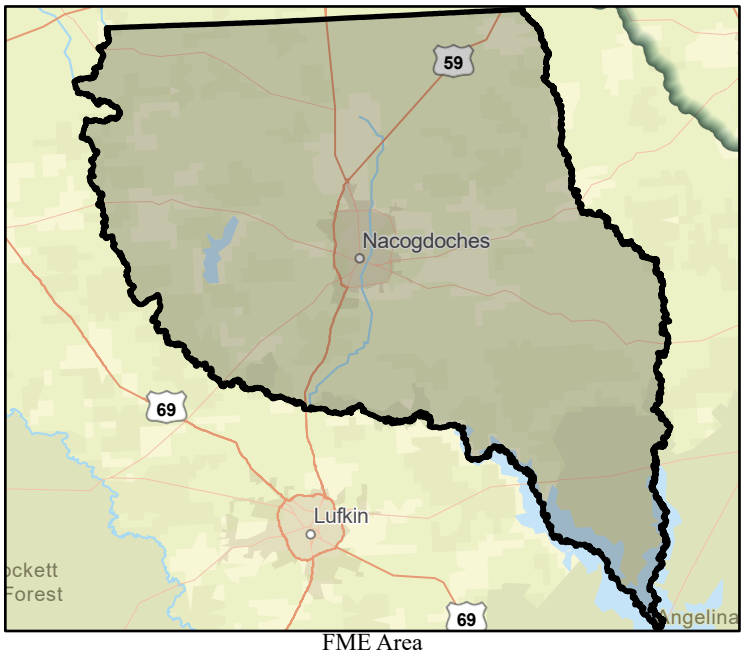
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 981.35 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	12,187	Structures at Risk	1,409	Critical Facilities at Risk	21
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	50.58	Impacted Roadway Miles	117.49
Low Water Crossings	69	Total Historical Road Closures	69	Residential at Risk	748



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Orange County Update Flood Hazard Mapping

FME ID: 05-51-0000000013 Sponsor Entity ID: 00-01-0000000027

Sponsor name: Orange County (County)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $919,600

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

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

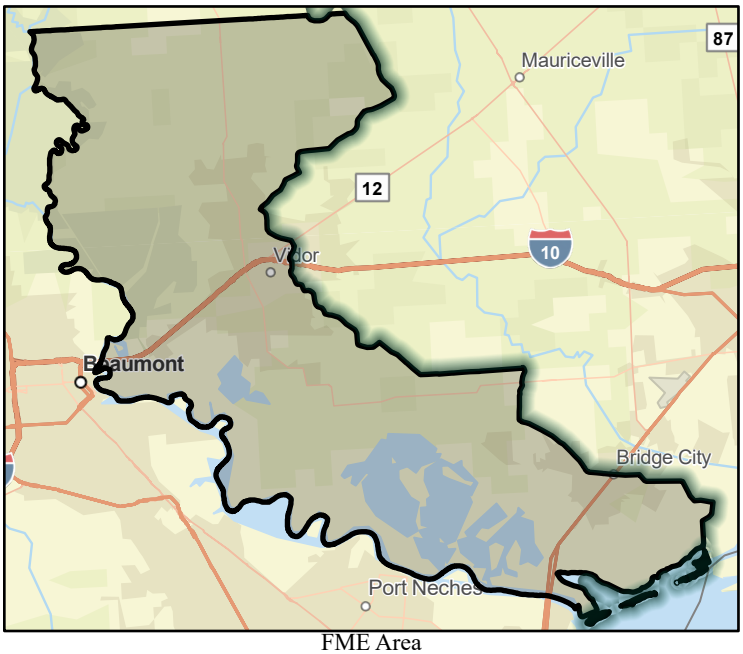
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 156.33 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	14,367	Structures at Risk	8,194	Critical Facilities at Risk	96
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	240.89	Impacted Roadway Miles	207.41
Low Water Crossings	26	Total Historical Road Closures	26	Residential at Risk	7,032



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Polk County Update Flood Hazard Mapping

FME ID: 05-51-0000000014 Sponsor Entity ID: 00-01-0000000058

Sponsor name: Polk County (County)

RFPG recommend? No Reason for Recommendation: Defer to Trinity Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $453,820

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

County: Polk Existing/Anticipated Models? Yes New H&H Model? Yes

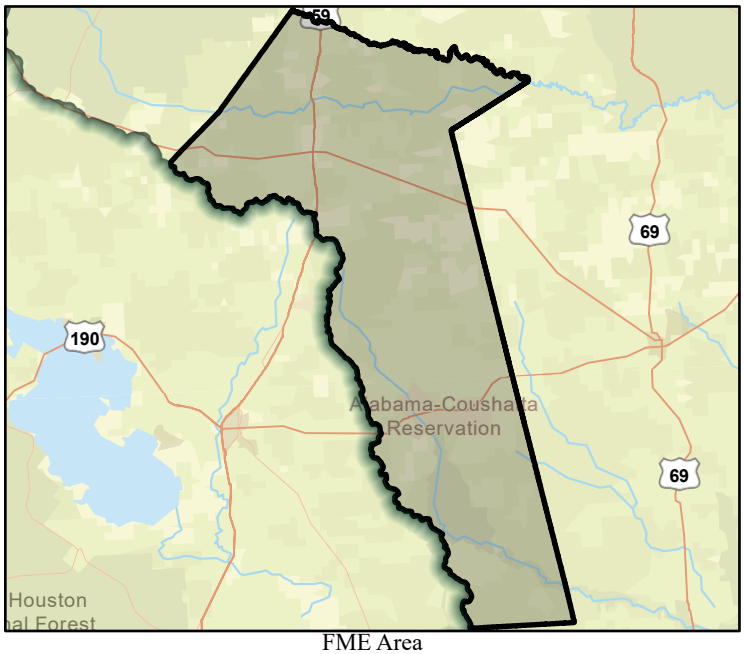
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 537.42 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	1,455	Structures at Risk	330	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	7.29	Impacted Roadway Miles	55.36
Low Water Crossings	39	Total Historical Road Closures	39	Residential at Risk	177



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Rusk County Update Flood Hazard Mapping

FME ID: 05-51-0000000015 Sponsor Entity ID: 00-01-0000000166

Sponsor name: Rusk County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,595,450

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

County: Rusk Existing/Anticipated Models? Yes New H&H Model? Yes

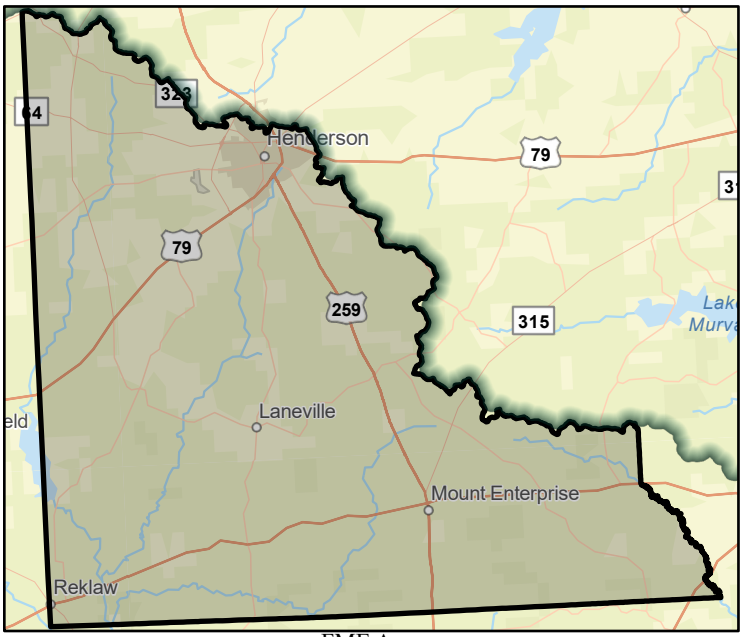
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 527.02 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	1,587	Structures at Risk	409	Critical Facilities at Risk	5
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	52.51	Impacted Roadway Miles	76.43
Low Water Crossings	16	Total Historical Road Closures	16	Residential at Risk	209



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Sabine County Update Flood Hazard Mapping

FME ID: 05-51-0000000016 Sponsor Entity ID: 00-01-0000000135

Sponsor name: Sabine County (County)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $220,910

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

County: Sabine Existing/Anticipated Models? Yes New H&H Model? Yes

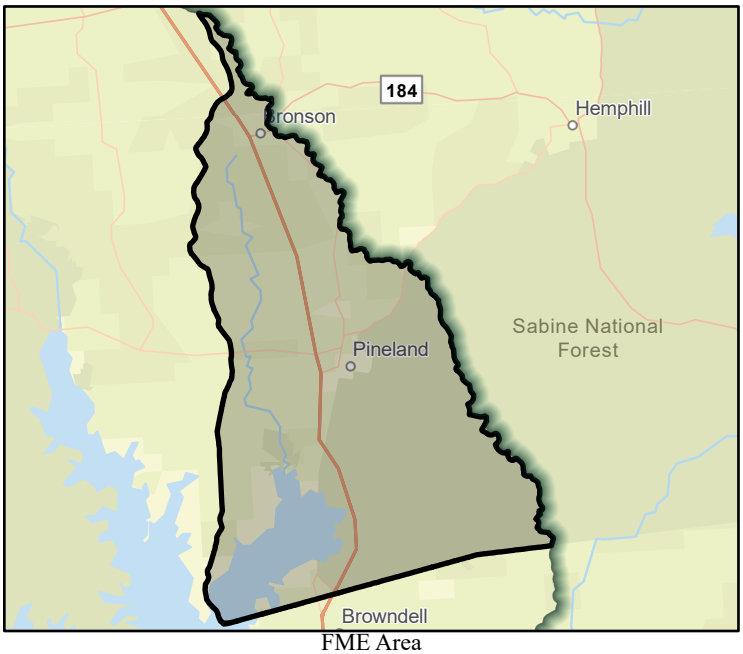
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 95.68 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	930	Structures at Risk	63	Critical Facilities at Risk	2
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.43	Impacted Roadway Miles	7.31
Low Water Crossings	9	Total Historical Road Closures	9	Residential at Risk	21



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: San Augustine County Update Flood Hazard Mapping

FME ID: 05-51-0000000017 Sponsor Entity ID: 00-01-0000000136

Sponsor name: San Augustine County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,093,990

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

County: San Augustine Existing/Anticipated Models? Yes New H&H Model? Yes

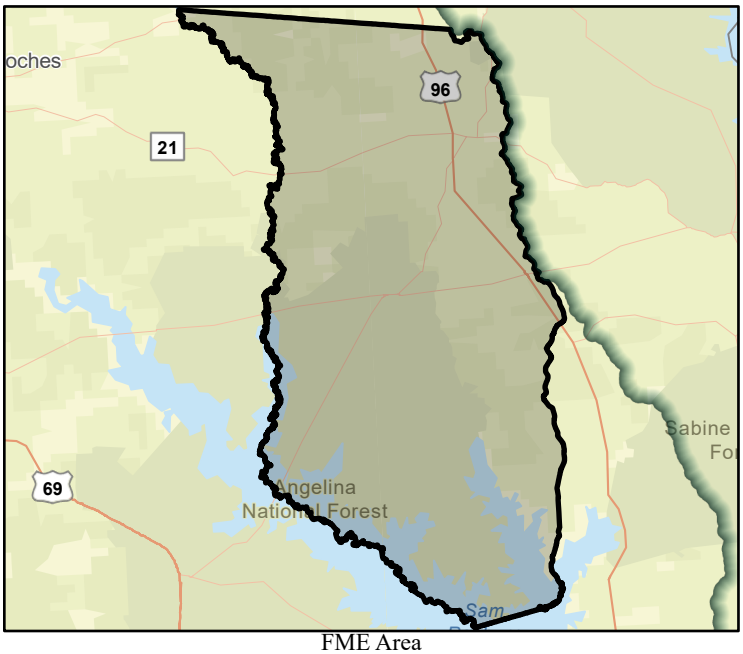
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 535.77 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	347	Structures at Risk	208	Critical Facilities at Risk	2
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	7.31	Impacted Roadway Miles	46.55
Low Water Crossings	16	Total Historical Road Closures	16	Residential at Risk	89



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Shelby County Update Flood Hazard Mapping

FME ID: 05-51-0000000018 Sponsor Entity ID: 00-01-0000000153

Sponsor name: Shelby County (County)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $861,310

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

County: Shelby Existing/Anticipated Models? Yes New H&H Model? Yes

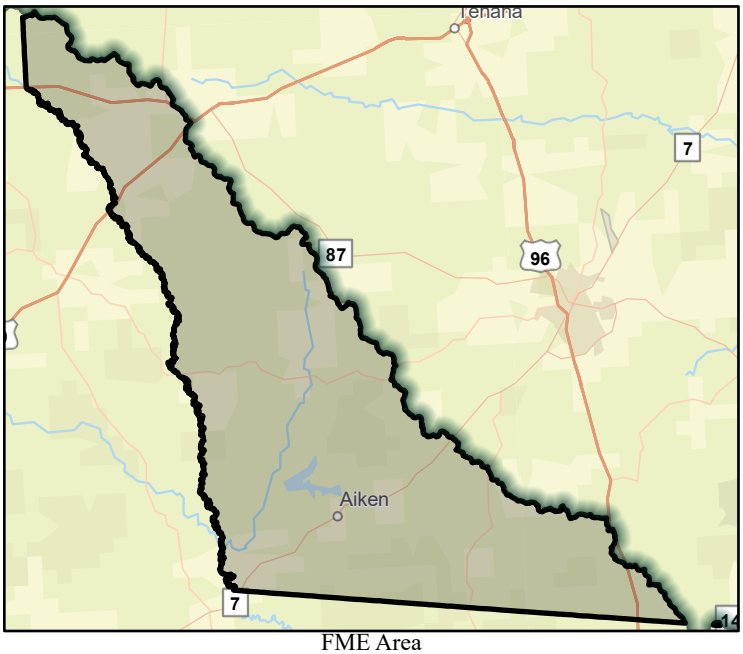
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 160.54 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	22	Structures at Risk	41	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	7.07	Impacted Roadway Miles	15.65
Low Water Crossings	16	Total Historical Road Closures	16	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Smith County Update Flood Hazard Mapping

FME ID: 05-51-0000000019 Sponsor Entity ID: 00-01-0000000106

Sponsor name: Smith County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,482,660

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

County: Smith Existing/Anticipated Models? Yes New H&H Model? Yes

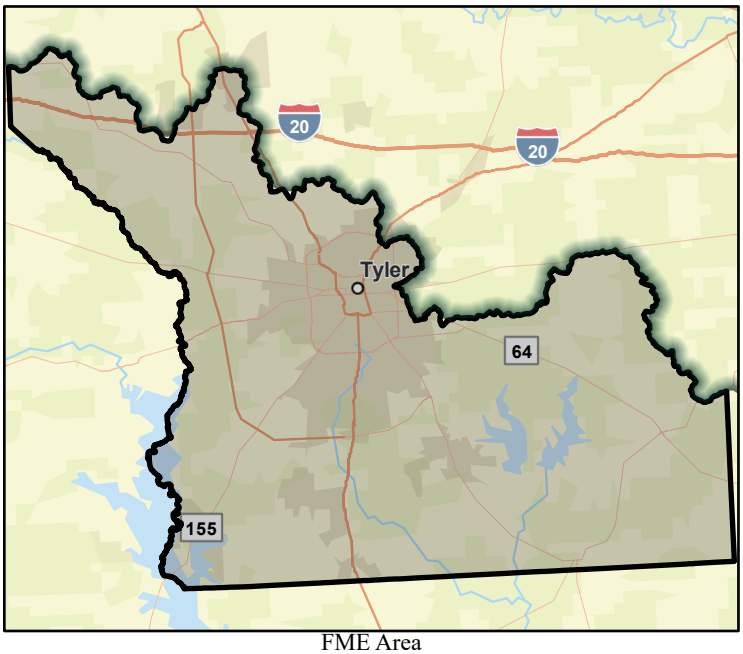
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 511.59 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	27,828	Structures at Risk	6,057	Critical Facilities at Risk	104
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	93.31	Impacted Roadway Miles	165.66
Low Water Crossings	50	Total Historical Road Closures	50	Residential at Risk	3,784



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Trinity County Update Flood Hazard Mapping

FME ID: 05-51-0000000020 Sponsor Entity ID: 00-01-0000000065

Sponsor name: Trinity County (County)

RFPG recommend? No Reason for Recommendation: Defer to Trinity Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,863,690

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

County: Trinity Existing/Anticipated Models? Yes New H&H Model? Yes

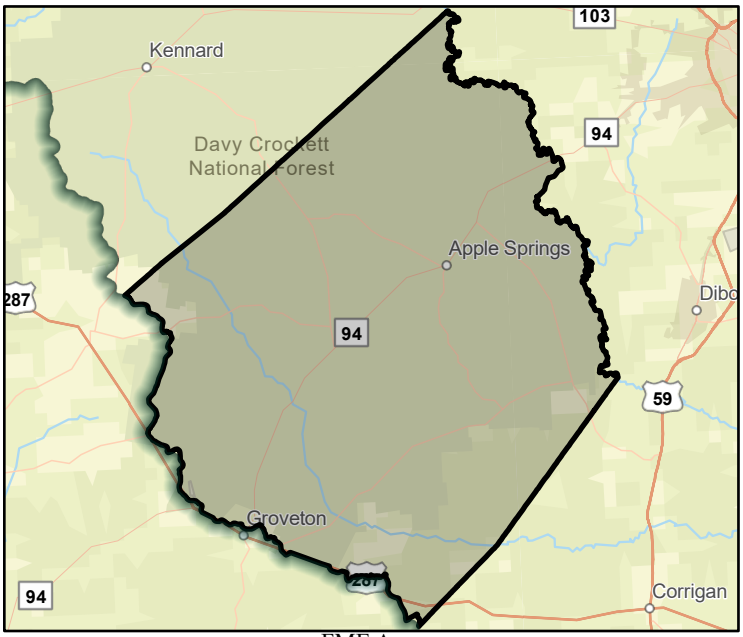
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 343.2 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	73	Structures at Risk	70	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	31.78	Impacted Roadway Miles	60.82
Low Water Crossings	9	Total Historical Road Closures	9	Residential at Risk	35



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Tyler County Update Flood Hazard Mapping

FME ID: 05-51-0000000021 Sponsor Entity ID: 05-01-0000000057

Sponsor name: Tyler County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $2,178,000

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

County: Tyler Existing/Anticipated Models? Yes New H&H Model? Yes

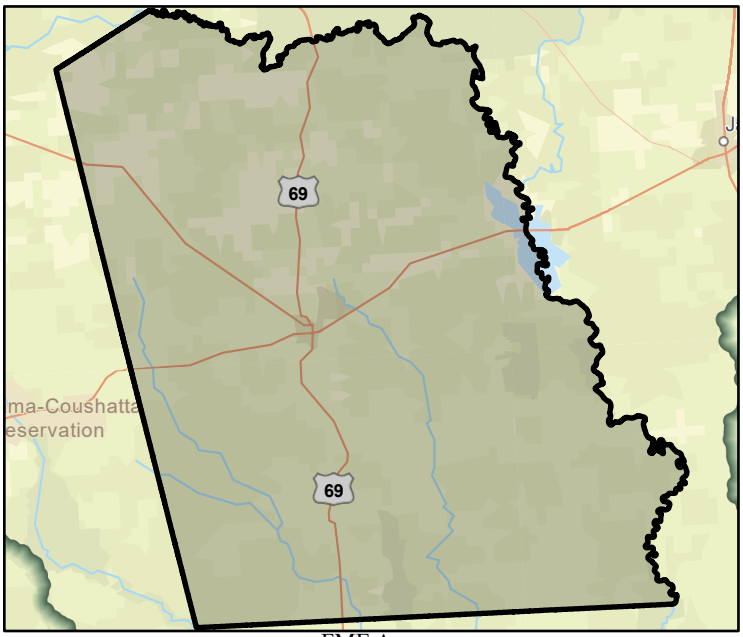
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 935.62 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	1,306	Structures at Risk	1,154	Critical Facilities at Risk	5
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	15.92	Impacted Roadway Miles	105.31
Low Water Crossings	22	Total Historical Road Closures	22	Residential at Risk	842



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Van Zandt County Update Flood Hazard Mapping

FME ID: 05-51-0000000022 Sponsor Entity ID: 00-01-0000000110

Sponsor name: Van Zandt County (County)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,344,600

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

County: Van Zandt Existing/Anticipated Models? Yes New H&H Model? Yes

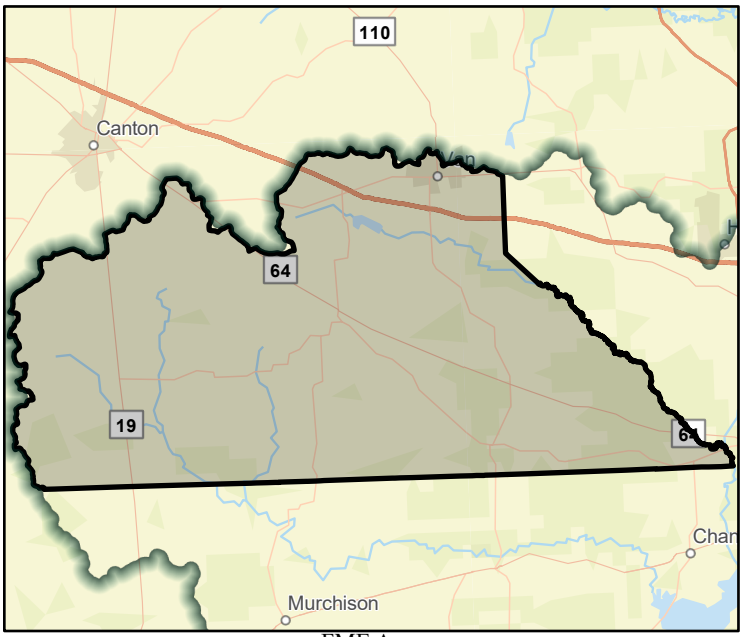
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 244.95 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	476	Structures at Risk	569	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	123.15	Impacted Roadway Miles	40.3
Low Water Crossings	6	Total Historical Road Closures	6	Residential at Risk	338



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Neches Region Anderson County Master Drainage Plan

FME ID: 05-51-0000000023 Sponsor Entity ID: 00-01-0000000156

Sponsor name: Anderson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $892,920

FME 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.

County: Anderson Existing/Anticipated Models? Yes New H&H Model? Yes

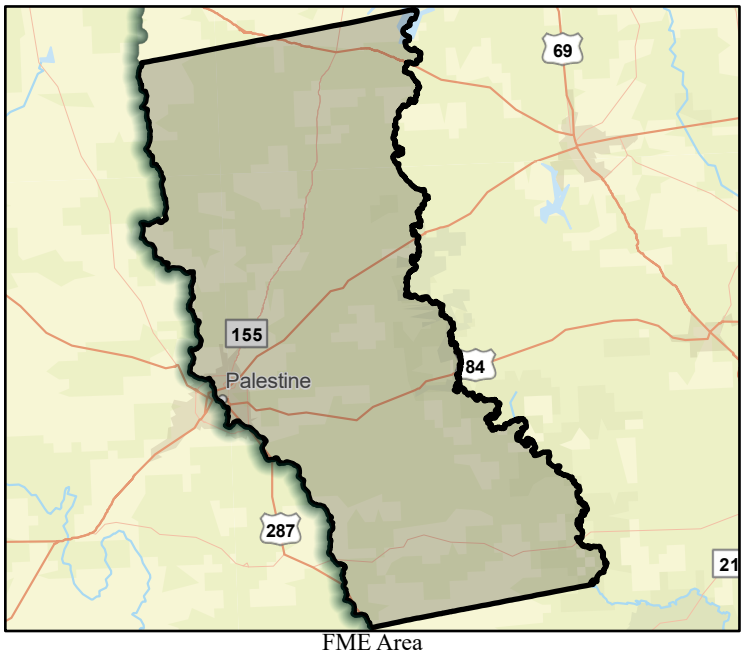
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 497.42 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	1,119	Structures at Risk	556	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	224.42	Impacted Roadway Miles	83.77
Low Water Crossings	10	Total Historical Road Closures	10	Residential at Risk	376



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Angelina County Master Drainage Plan

FME ID: 05-51-0000000024 Sponsor Entity ID: 05-01-0000000125

Sponsor name: Angelina County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $2,057,000

FME 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.

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

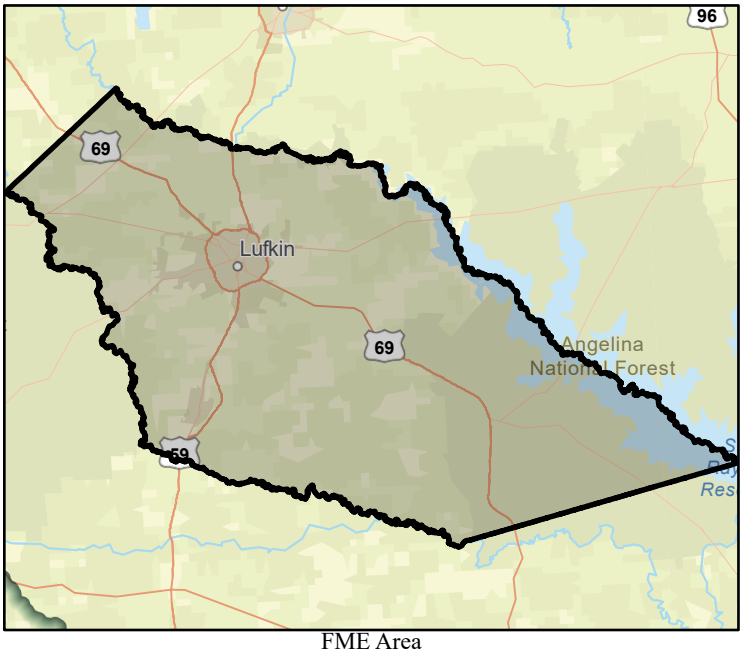
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 864.66 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	13,115	Structures at Risk	2,224	Critical Facilities at Risk	34
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	7.17	Impacted Roadway Miles	86.41
Low Water Crossings	48	Total Historical Road Closures	48	Residential at Risk	1,433



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Chambers County Master Drainage Plan

FME ID: 05-51-0000000025 Sponsor Entity ID: 00-01-0000000013

Sponsor name: Chambers County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,936,000

FME 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.

County: Chambers Existing/Anticipated Models? Yes New H&H Model? Yes

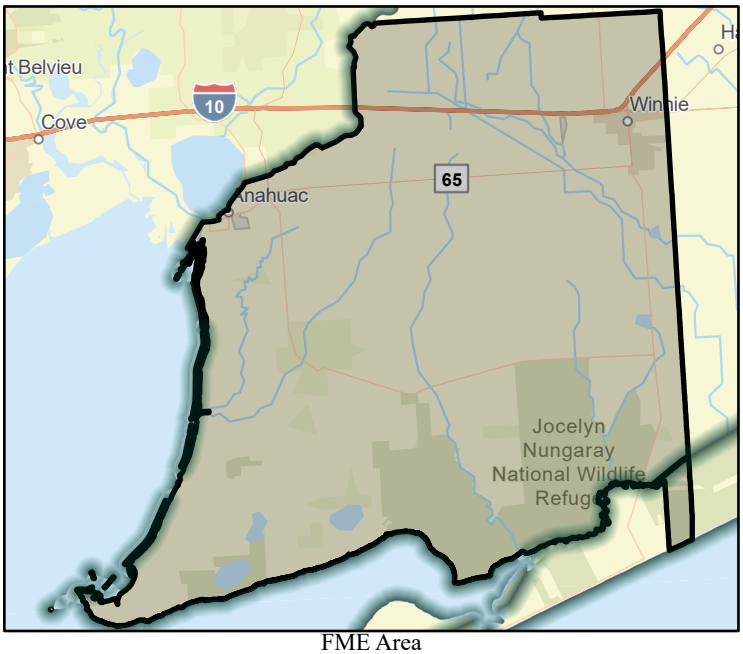
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 433.91 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	5,041	Structures at Risk	4,006	Critical Facilities at Risk	7
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	59,127.5	Impacted Roadway Miles	211.66
Low Water Crossings	6	Total Historical Road Closures	6	Residential at Risk	2,138



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Cherokee County Master Drainage Plan

FME ID: 05-51-0000000026 Sponsor Entity ID: 05-01-0000000159

Sponsor name: Cherokee County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,936,000

FME 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.

County: Cherokee Existing/Anticipated Models? Yes New H&H Model? Yes

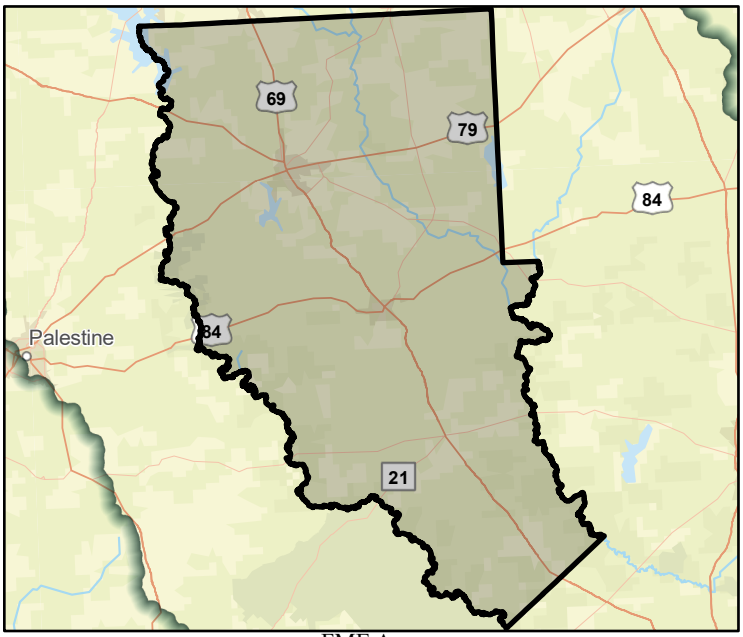
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 1,062.18 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	4,401	Structures at Risk	1,379	Critical Facilities at Risk	9
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	690.43	Impacted Roadway Miles	162.39
Low Water Crossings	37	Total Historical Road Closures	37	Residential at Risk	729



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Master Drainage Plan

FME ID: 05-51-0000000027 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? No Reason for Recommendation: Performed as part of Task 4C

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,210,000

FME 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.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

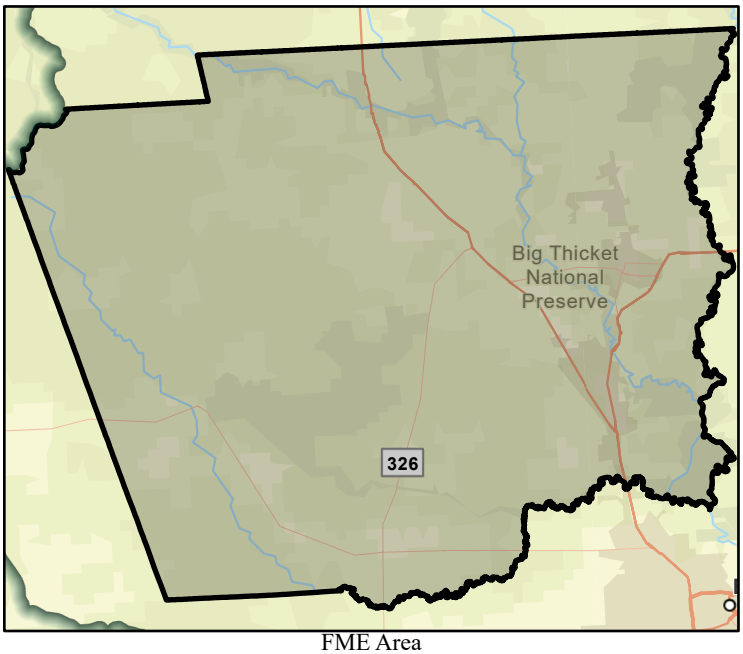
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 891.15 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	11,420	Structures at Risk	6,135	Critical Facilities at Risk	59
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1,020.87	Impacted Roadway Miles	286.2
Low Water Crossings	20	Total Historical Road Closures	20	Residential at Risk	4,133



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Henderson County Master Drainage Plan

FME ID: 05-51-0000000028 Sponsor Entity ID: 00-01-0000000164

Sponsor name: Henderson County (County)

RFPG recommend? No Reason for Recommendation: Defer to Trinity Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $2,299,000

FME 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.

County: Henderson Existing/Anticipated Models? Yes New H&H Model? Yes

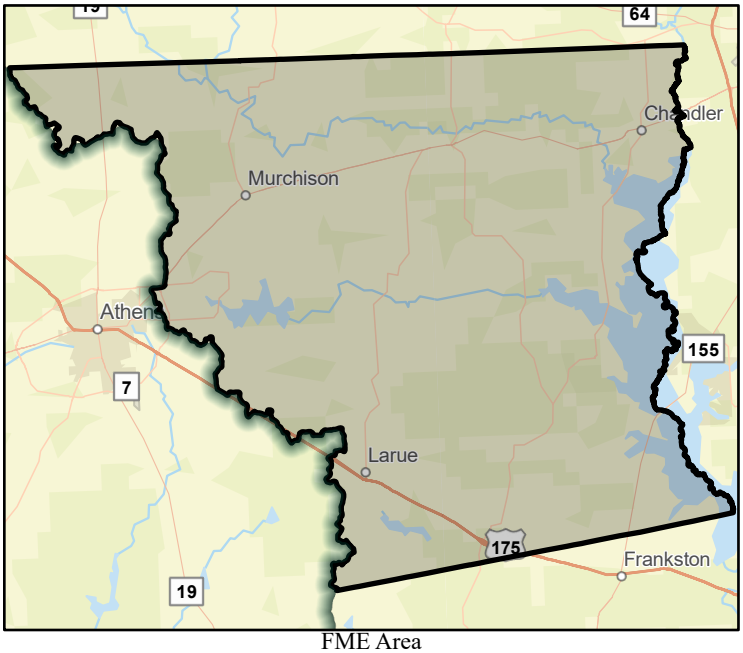
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 375.4 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	1,031	Structures at Risk	692	Critical Facilities at Risk	2
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	183.32	Impacted Roadway Miles	61.19
Low Water Crossings	9	Total Historical Road Closures	9	Residential at Risk	414



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Houston County Master Drainage Plan

FME ID: 05-51-0000000029 Sponsor Entity ID: 00-01-0000000128

Sponsor name: Houston County (County)

RFPG recommend? No Reason for Recommendation: Defer to Trinity Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $739,290

FME 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.

County: Houston Existing/Anticipated Models? Yes New H&H Model? Yes

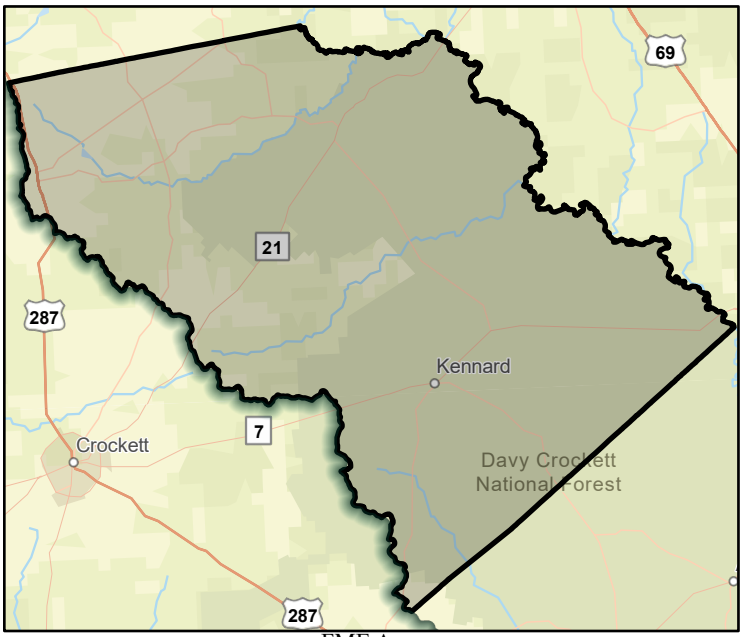
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 419.99 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	274	Structures at Risk	139	Critical Facilities at Risk	5
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	79.73	Impacted Roadway Miles	67.25
Low Water Crossings	20	Total Historical Road Closures	20	Residential at Risk	49



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Jasper County Master Drainage Plan

FME ID: 05-51-0000000030 Sponsor Entity ID: 00-01-0000000059

Sponsor name: Jasper County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,452,000

FME 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.

County: Jasper Existing/Anticipated Models? Yes New H&H Model? Yes

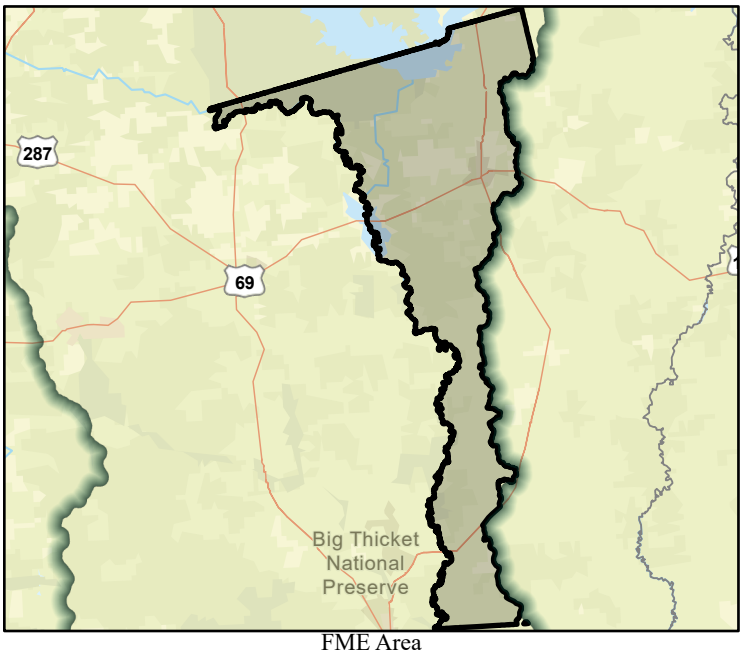
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 618.06 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	4,576	Structures at Risk	1,480	Critical Facilities at Risk	60
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	35.18	Impacted Roadway Miles	105.66
Low Water Crossings	14	Total Historical Road Closures	14	Residential at Risk	702



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Master Drainage Plan

FME ID: 05-51-0000000031 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,331,000

FME 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.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

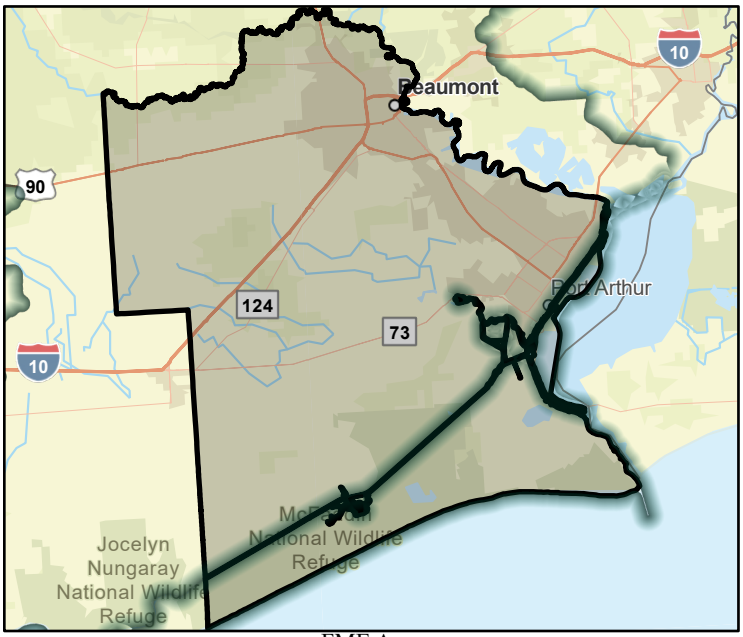
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 957.65 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	164,051	Structures at Risk	65,754	Critical Facilities at Risk	2,012
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	54,538.14	Impacted Roadway Miles	1,297.53
Low Water Crossings	126	Total Historical Road Closures	126	Residential at Risk	54,320



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Liberty County Master Drainage Plan

FME ID: 05-51-0000000032 Sponsor Entity ID: 00-01-0000002236

Sponsor name: Liberty County Drainage District (Flood District)

RFPG recommend? No Reason for Recommendation: Defer to Trinity Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $243,590

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

County: Liberty Existing/Anticipated Models? Yes New H&H Model? Yes

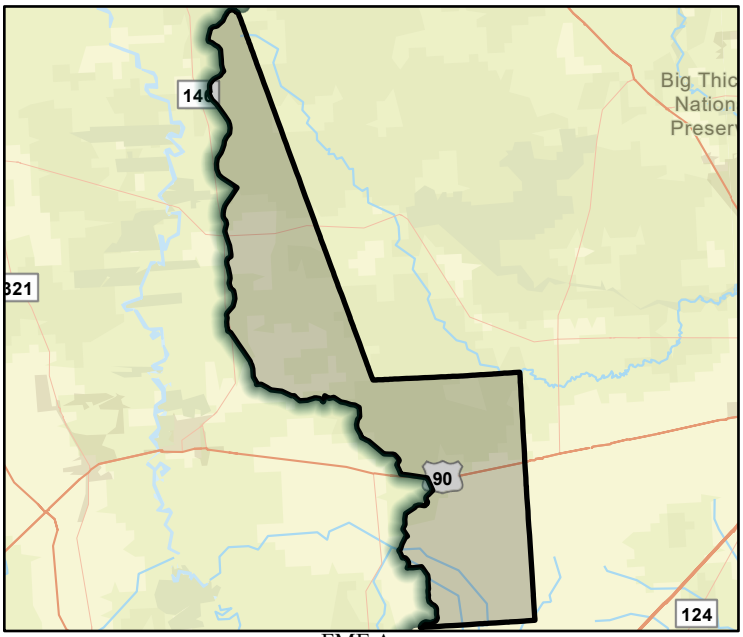
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 236.4 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	999	Structures at Risk	757	Critical Facilities at Risk	9
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3,795.9	Impacted Roadway Miles	36.96
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	515



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Nacogdoches County Master Drainage Plan

FME ID: 05-51-0000000033 Sponsor Entity ID: 05-01-0000000139

Sponsor name: Nacogdoches County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $2,299,000

FME 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.

County: Nacogdoches Existing/Anticipated Models? Yes New H&H Model? Yes

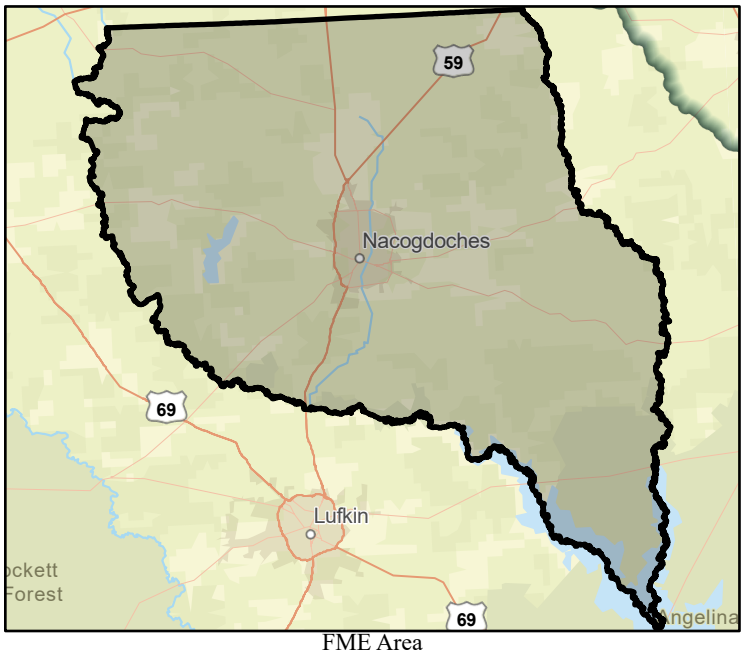
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 981.35 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	12,187	Structures at Risk	1,409	Critical Facilities at Risk	21
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	50.58	Impacted Roadway Miles	117.49
Low Water Crossings	69	Total Historical Road Closures	69	Residential at Risk	748



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Orange County Master Drainage Plan

FME ID: 05-51-0000000034 Sponsor Entity ID: 00-01-0000000027

Sponsor name: Orange County (County)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $544,500

FME 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.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

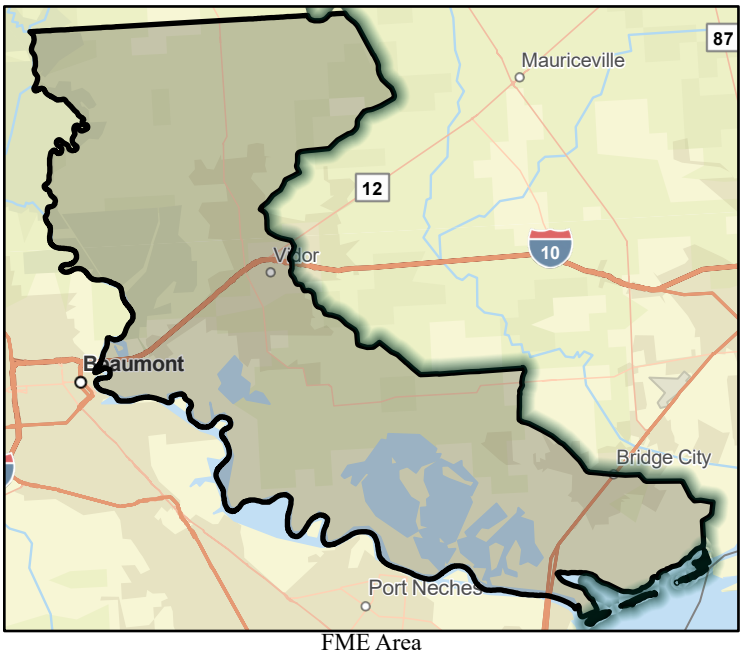
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 156.33 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	14,367	Structures at Risk	8,194	Critical Facilities at Risk	96
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	240.89	Impacted Roadway Miles	207.41
Low Water Crossings	26	Total Historical Road Closures	26	Residential at Risk	7,032



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Polk County Master Drainage Plan

FME ID: 05-51-0000000035 Sponsor Entity ID: 00-01-0000000058

Sponsor name: Polk County (County)

RFPG recommend? Yes Reason for Recommendation: Defer to Trinity Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $181,530

FME 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.

County: Polk Existing/Anticipated Models? Yes New H&H Model? Yes

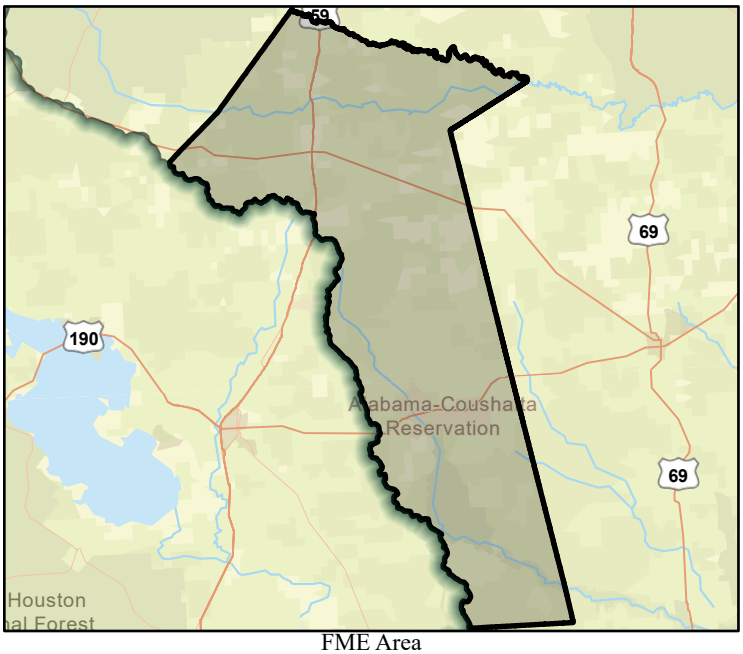
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 537.42 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	1,455	Structures at Risk	330	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	7.29	Impacted Roadway Miles	55.36
Low Water Crossings	39	Total Historical Road Closures	39	Residential at Risk	177



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Rusk County Master Drainage Plan

FME ID: 05-51-0000000036 Sponsor Entity ID: 00-01-0000000166

Sponsor name: Rusk County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,694,000

FME 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.

County: Rusk Existing/Anticipated Models? Yes New H&H Model? Yes

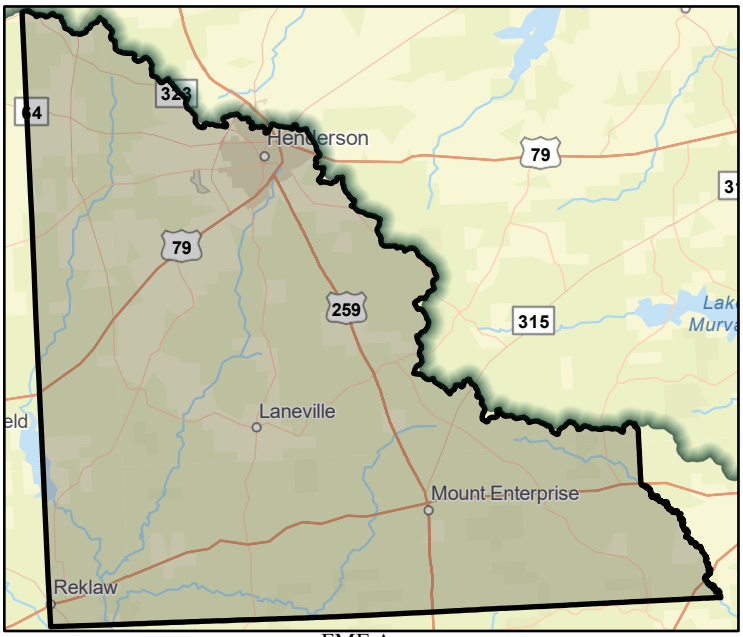
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 527.02 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	1,587	Structures at Risk	409	Critical Facilities at Risk	5
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	52.51	Impacted Roadway Miles	76.43
Low Water Crossings	16	Total Historical Road Closures	16	Residential at Risk	209



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Sabine County Master Drainage Plan

FME ID: 05-51-0000000037 Sponsor Entity ID: 00-01-0000000135

Sponsor name: Sabine County (County)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $92,380

FME 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.

County: Sabine Existing/Anticipated Models? Yes New H&H Model? Yes

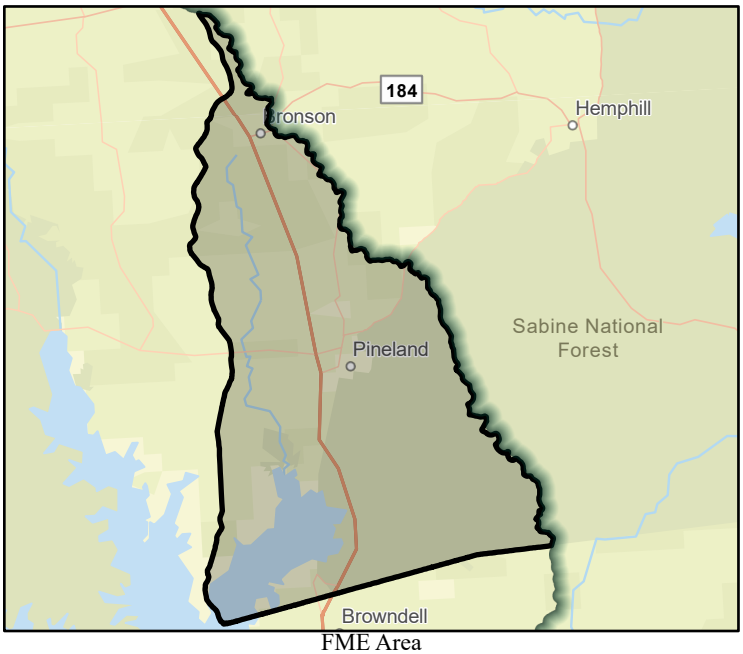
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 95.68 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	930	Structures at Risk	63	Critical Facilities at Risk	2
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.43	Impacted Roadway Miles	7.31
Low Water Crossings	9	Total Historical Road Closures	9	Residential at Risk	21



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: San Augustine County Master Drainage Plan

FME ID: 05-51-0000000038 Sponsor Entity ID: 00-01-0000000136

Sponsor name: San Augustine County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $459,480

FME 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.

County: San Augustine Existing/Anticipated Models? Yes New H&H Model? Yes

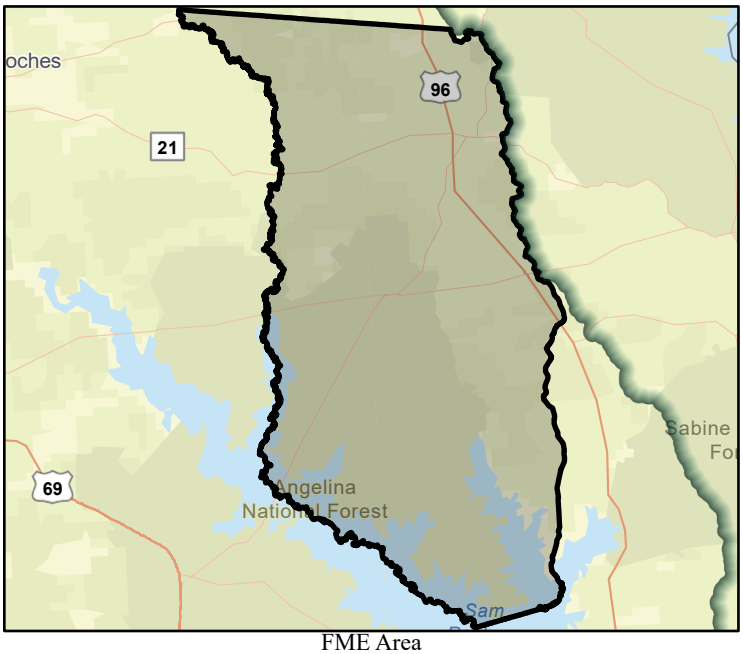
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 535.77 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	347	Structures at Risk	208	Critical Facilities at Risk	2
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	7.31	Impacted Roadway Miles	46.55
Low Water Crossings	16	Total Historical Road Closures	16	Residential at Risk	89



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Shelby County Master Drainage Plan

FME ID: 05-51-0000000039 Sponsor Entity ID: 00-01-0000000153

Sponsor name: Shelby County (County)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,512,500

FME 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.

County: Shelby Existing/Anticipated Models? Yes New H&H Model? Yes

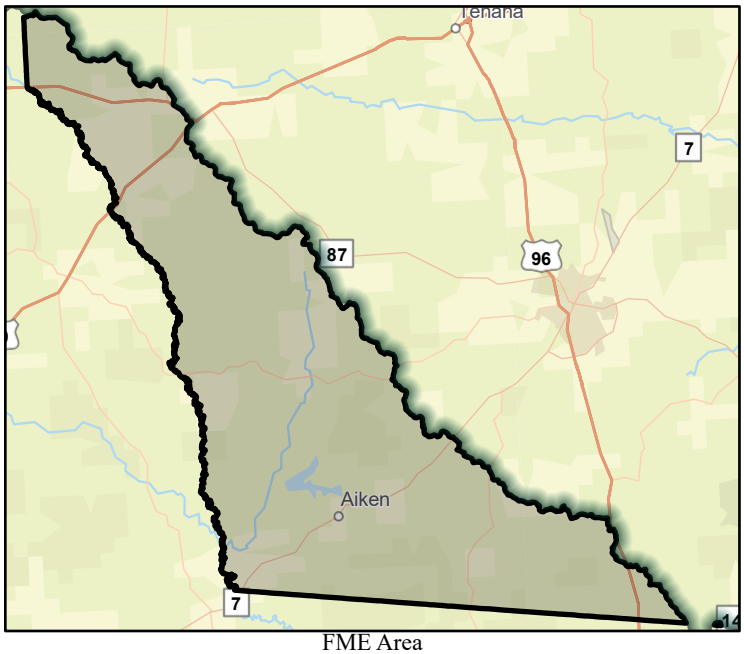
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 160.54 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	22	Structures at Risk	41	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	7.07	Impacted Roadway Miles	15.65
Low Water Crossings	16	Total Historical Road Closures	16	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Smith County Master Drainage Plan

FME ID: 05-51-0000000040 Sponsor Entity ID: 00-01-0000000106

Sponsor name: Smith County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $651,720

FME 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.

County: Smith Existing/Anticipated Models? Yes New H&H Model? Yes

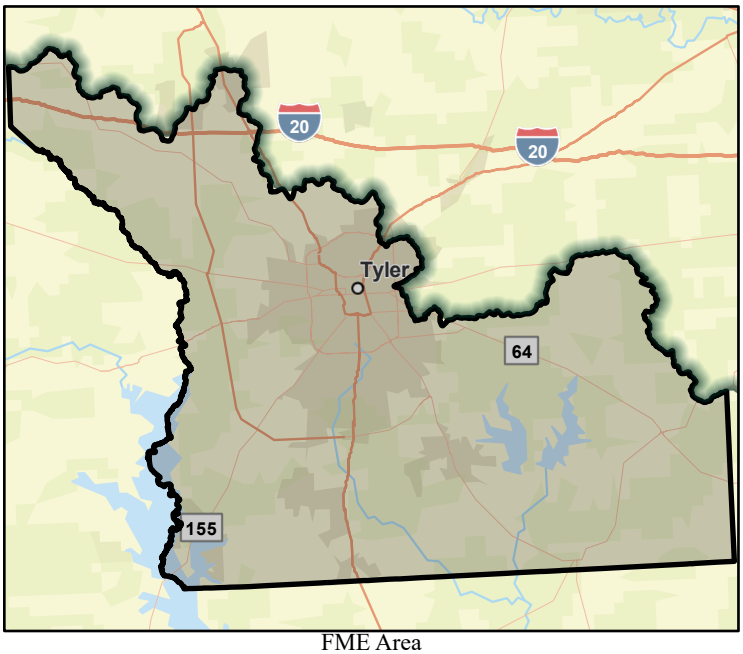
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 511.59 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	27,828	Structures at Risk	6,057	Critical Facilities at Risk	104
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	93.31	Impacted Roadway Miles	165.66
Low Water Crossings	50	Total Historical Road Closures	50	Residential at Risk	3,784



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Trinity County Master Drainage Plan

FME ID: 05-51-0000000041 Sponsor Entity ID: 00-01-0000000065

Sponsor name: Trinity County (County)

RFPG recommend? No Reason for Recommendation: Defer to Trinity Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $582,400

FME 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.

County: Trinity Existing/Anticipated Models? Yes New H&H Model? Yes

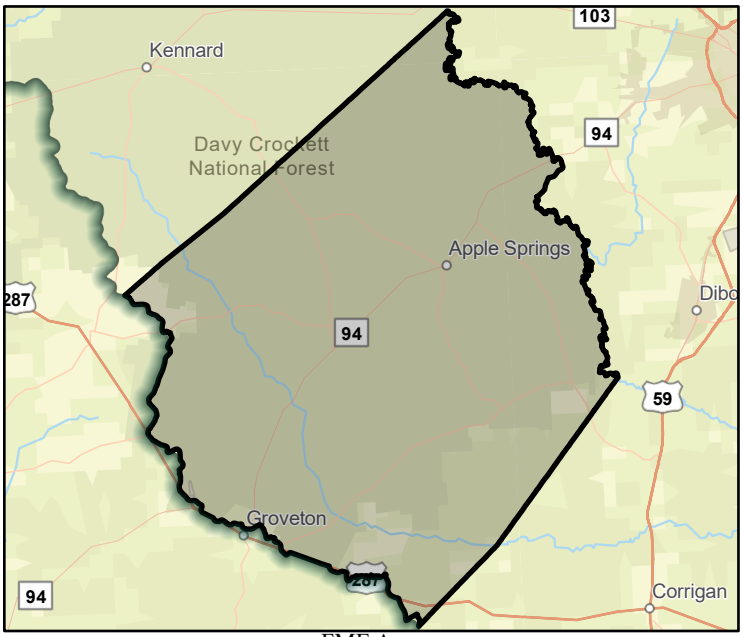
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 343.2 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	73	Structures at Risk	70	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	31.78	Impacted Roadway Miles	60.82
Low Water Crossings	9	Total Historical Road Closures	9	Residential at Risk	35



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Tyler County Master Drainage Plan

FME ID: 05-51-0000000042 Sponsor Entity ID: 05-01-0000000057

Sponsor name: Tyler County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $847,000

FME 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.

County: Tyler Existing/Anticipated Models? Yes New H&H Model? Yes

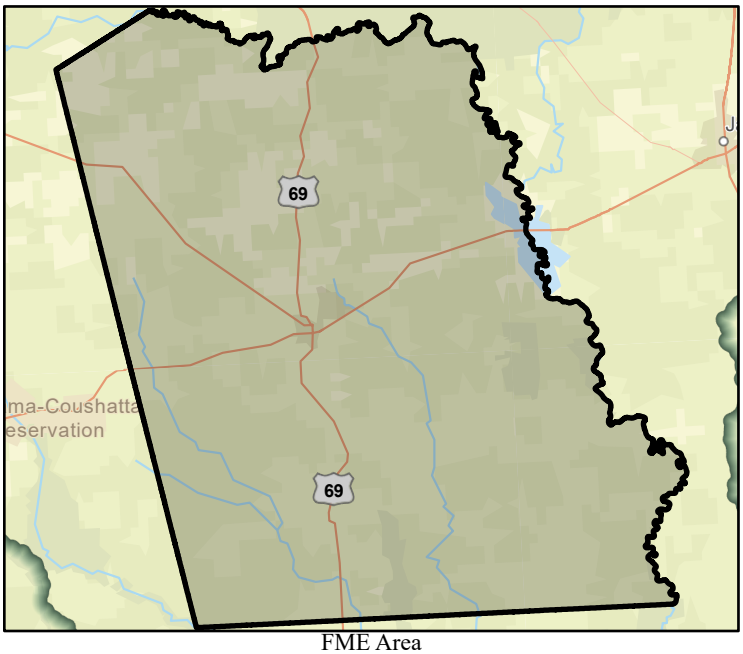
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 935.62 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	1,306	Structures at Risk	1,154	Critical Facilities at Risk	5
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	15.92	Impacted Roadway Miles	105.31
Low Water Crossings	22	Total Historical Road Closures	22	Residential at Risk	842



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Van Zandt County Master Drainage Plan

FME ID: 05-51-0000000043 Sponsor Entity ID: 00-01-0000000110

Sponsor name: Van Zandt County (County)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Watershed Planning Est. FME Cost: $586,110

FME 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.

County: Van Zandt Existing/Anticipated Models? Yes New H&H Model? Yes

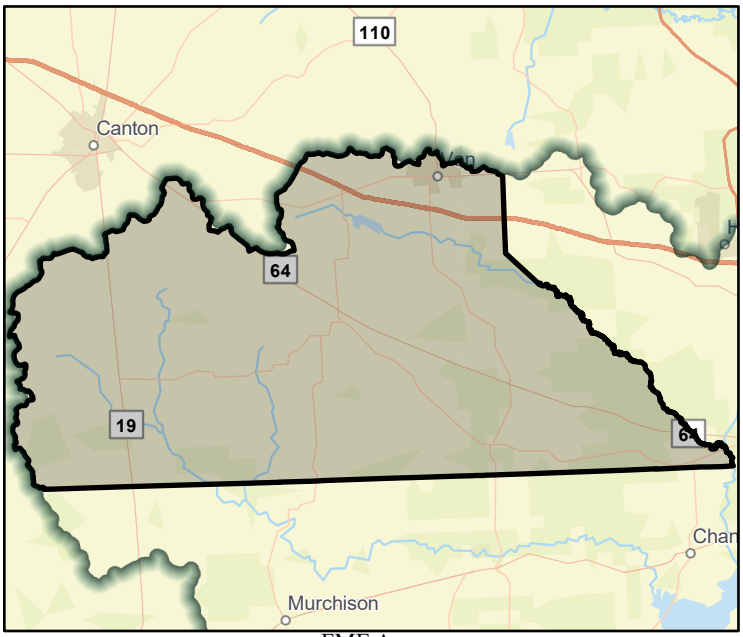
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 244.95 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	476	Structures at Risk	569	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	123.15	Impacted Roadway Miles	40.3
Low Water Crossings	6	Total Historical Road Closures	6	Residential at Risk	338



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Palestine Master Drainage Plan

FME ID: 05-51-0000000044 Sponsor Entity ID: 00-01-0000003346

Sponsor name: Palestine (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $847,000

FME 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.

County: Anderson Existing/Anticipated Models? Yes New H&H Model? Yes

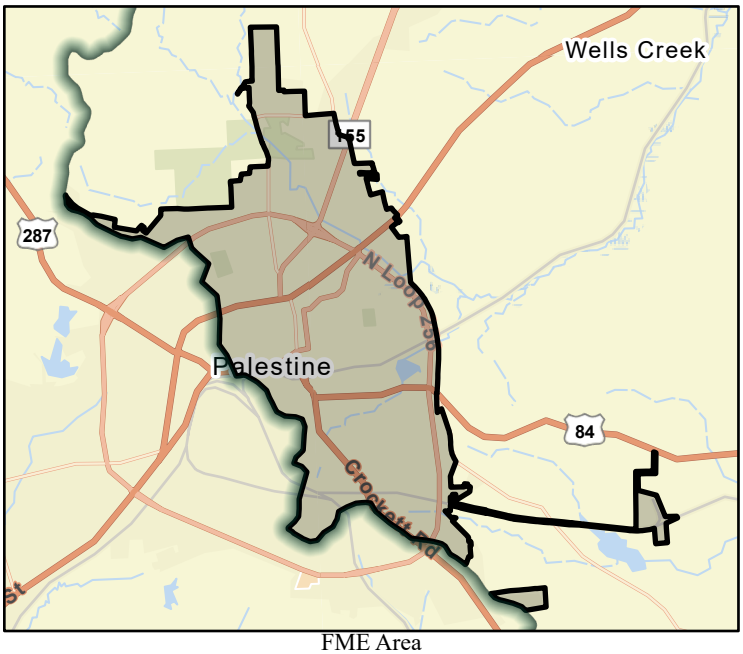
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 6.8 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	833	Structures at Risk	279	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.67	Impacted Roadway Miles	11.98
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	207



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Lufkin Master Drainage Plan

FME ID: 05-51-0000000045 Sponsor Entity ID: 05-01-0000003561

Sponsor name: Lufkin (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,210,000

FME 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.

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

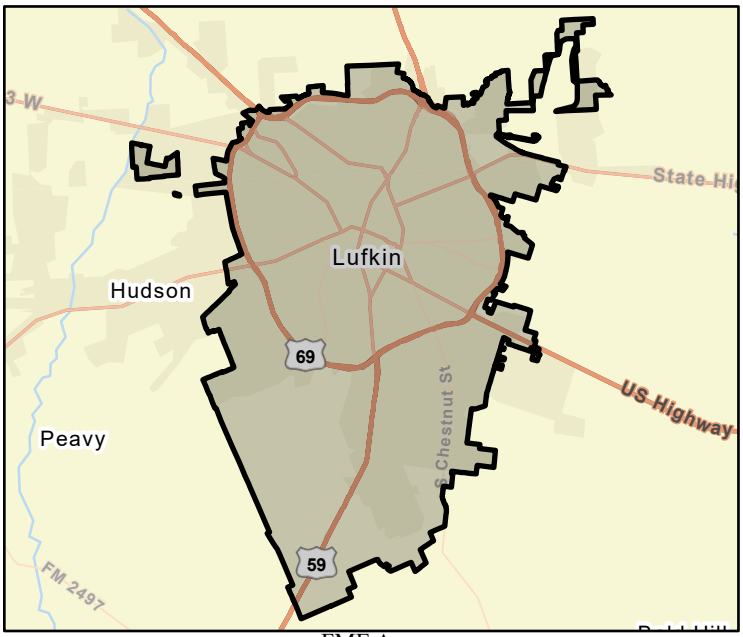
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 35.16 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	12,486	Structures at Risk	1,642	Critical Facilities at Risk	17
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.06	Impacted Roadway Miles	53.81
Low Water Crossings	18	Total Historical Road Closures	18	Residential at Risk	1,028



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Jacksonville Master Drainage Plan

FME ID: 05-51-0000000046 Sponsor Entity ID: 05-01-0000003472

Sponsor name: Jacksonville (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $677,600

FME 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.

County: Cherokee Existing/Anticipated Models? Yes New H&H Model? Yes

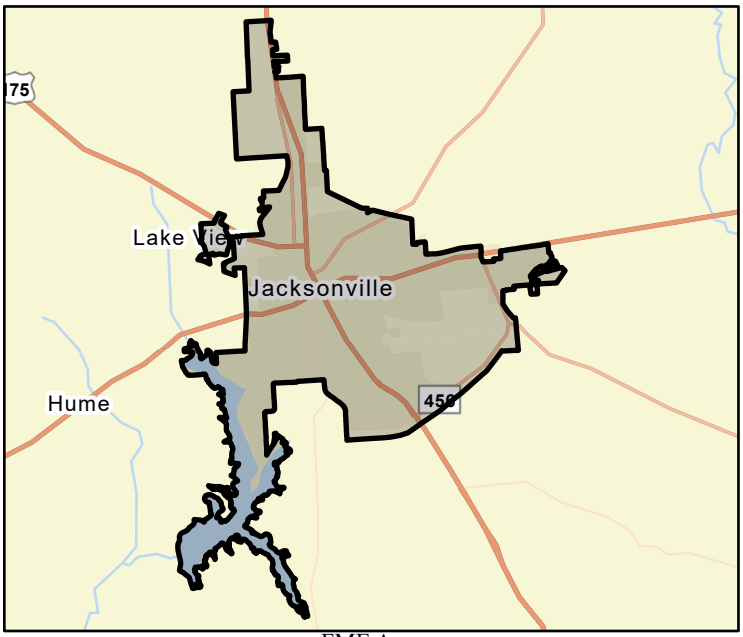
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 16.6 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	3,096	Structures at Risk	678	Critical Facilities at Risk	5
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.62	Impacted Roadway Miles	13.84
Low Water Crossings	7	Total Historical Road Closures	7	Residential at Risk	332



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Rusk Master Drainage Plan

FME ID: 05-51-0000000047 Sponsor Entity ID: 05-01-0000002867

Sponsor name: Rusk (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $338,800

FME 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.

County: Cherokee Existing/Anticipated Models? Yes New H&H Model? Yes

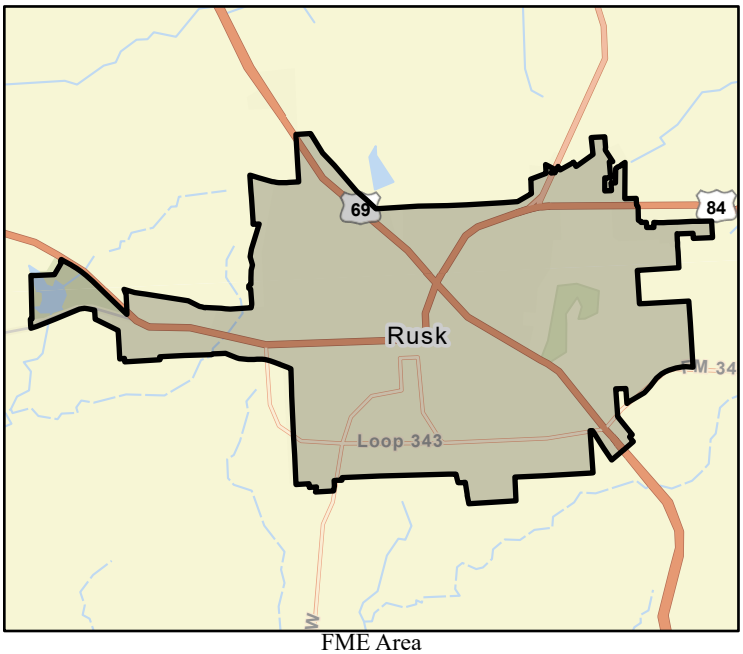
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 6.86 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	779	Structures at Risk	72	Critical Facilities at Risk	2
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.08	Impacted Roadway Miles	4.54
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	23



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Lumberton Master Drainage Plan

FME ID: 05-51-0000000048 Sponsor Entity ID: 05-01-0000002488

Sponsor name: Lumberton (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $459,800

FME 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.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

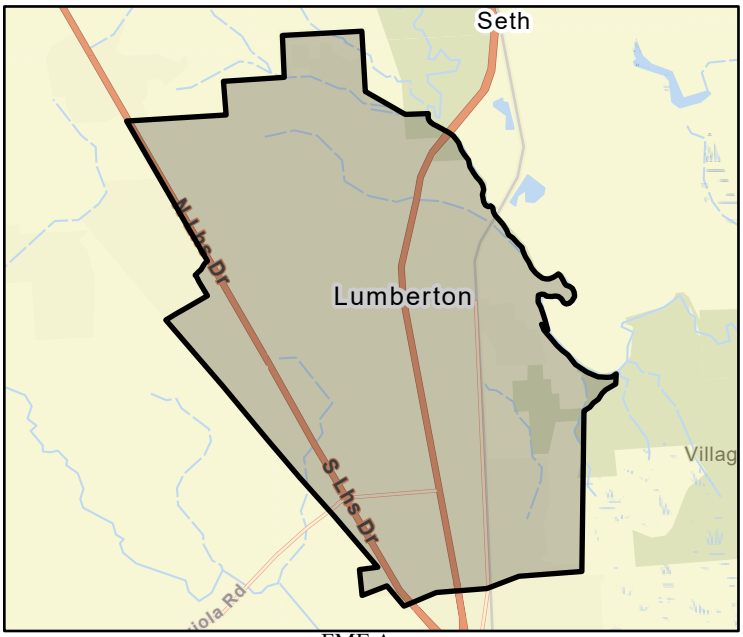
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 10.63 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	3,209	Structures at Risk	1,457	Critical Facilities at Risk	17
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.13	Impacted Roadway Miles	32.7
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	1,005



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Rose Hill Acres Master Drainage Plan

FME ID: 05-51-0000000049 Sponsor Entity ID: 05-01-0000003029

Sponsor name: Rose Hill Acres (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $242,000

FME Description: Develop drainage study to identify flood mitigation measures and drainage improvements including purchase of easements in the ETJ or a possible MOU to implement improvements.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

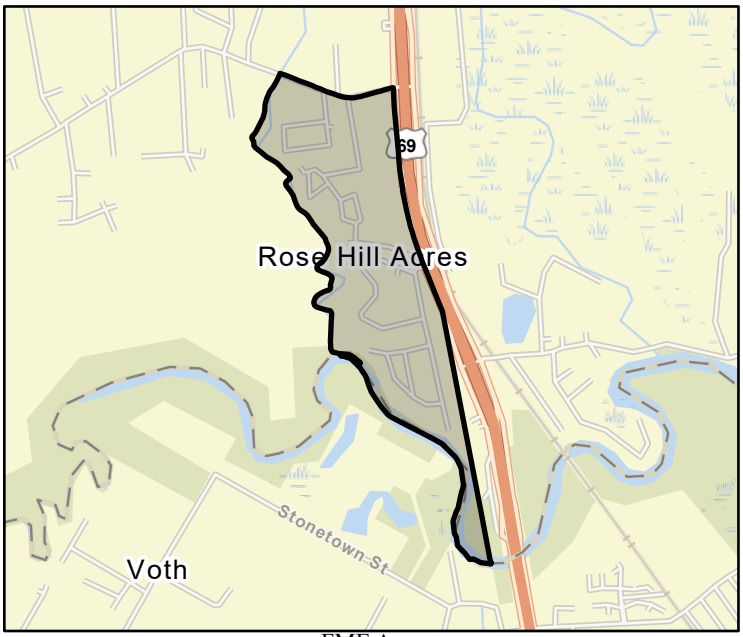
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 0.41 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	135	Structures at Risk	70	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.1
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	65



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Silsbee Master Drainage Plan

FME ID: 05-51-0000000050 Sponsor Entity ID: 05-01-0000002932

Sponsor name: Silsbee (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $387,200

FME 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.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

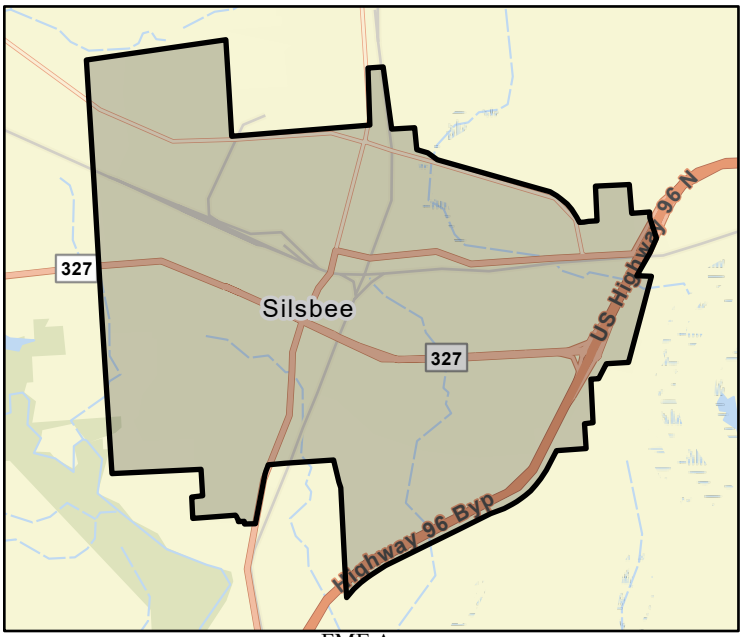
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 7.82 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	2,254	Structures at Risk	390	Critical Facilities at Risk	7
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	12.73
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	267



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Athens Master Drainage Plan

FME ID: 05-51-0000000051 Sponsor Entity ID: 00-01-0000002826

Sponsor name: Athens (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $37,580

FME 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.

County: Henderson Existing/Anticipated Models? Yes New H&H Model? Yes

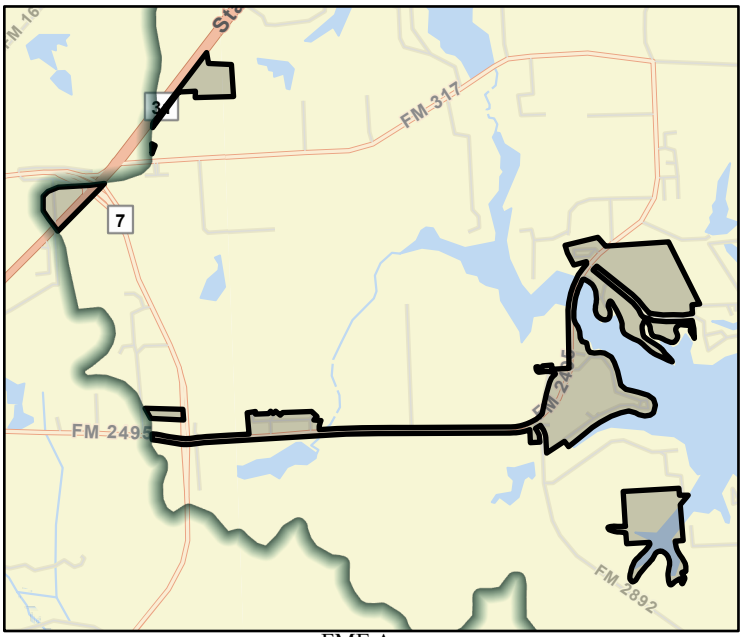
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 0.67 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	2	Structures at Risk	2	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.09
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	1



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Jasper Master Drainage Plan

FME ID: 05-51-0000000052 Sponsor Entity ID: 05-01-0000003336

Sponsor name: Jasper (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $532,400

FME 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.

County: Jasper Existing/Anticipated Models? Yes New H&H Model? Yes

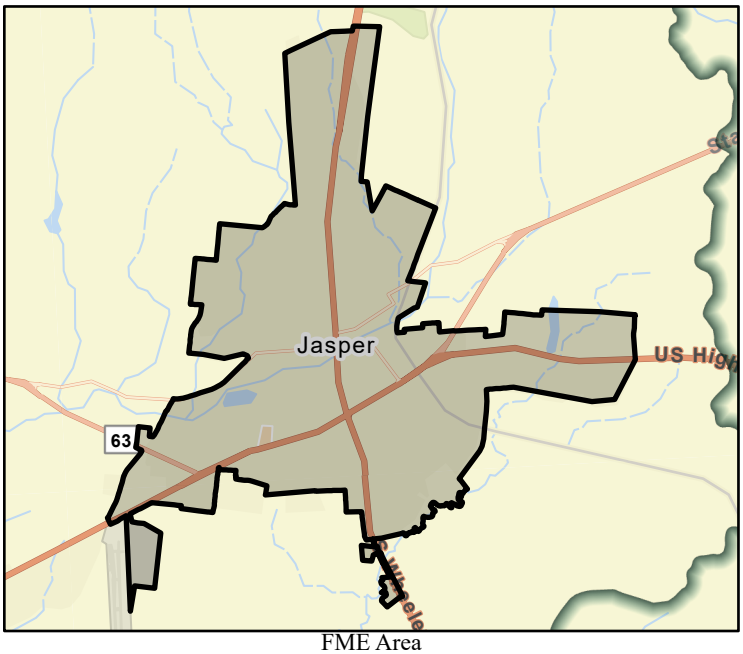
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 10.59 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	2,129	Structures at Risk	385	Critical Facilities at Risk	12
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	2.2	Impacted Roadway Miles	11.73
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	155



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Beaumont Master Drainage Plan

FME ID: 05-51-0000000053 Sponsor Entity ID: 05-01-0000002769

Sponsor name: Beaumont (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $726,000

FME 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.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

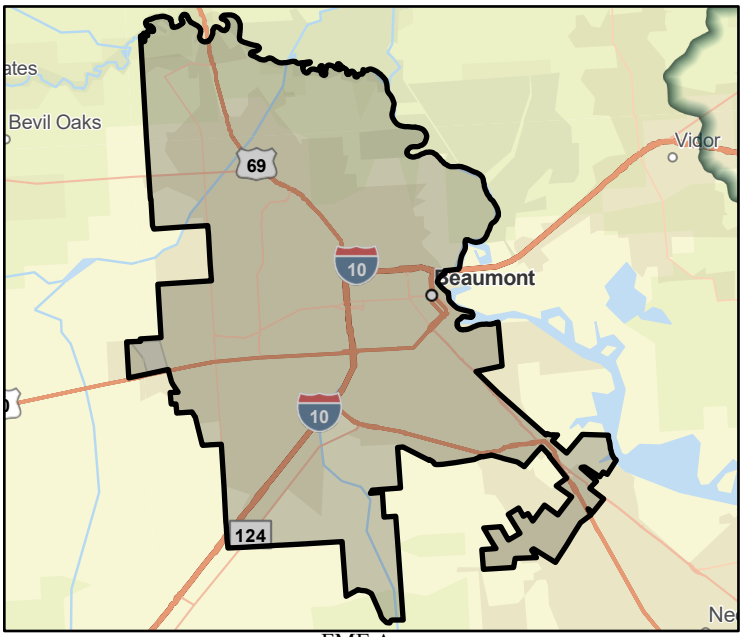
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 85.43 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	91,576	Structures at Risk	24,573	Critical Facilities at Risk	243
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	237.7	Impacted Roadway Miles	523.09
Low Water Crossings	36	Total Historical Road Closures	36	Residential at Risk	20,655



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Nederland Master Drainage Plan

FME ID: 05-51-0000000054 Sponsor Entity ID: 05-01-0000003086

Sponsor name: Nederland (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $290,400

FME 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.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

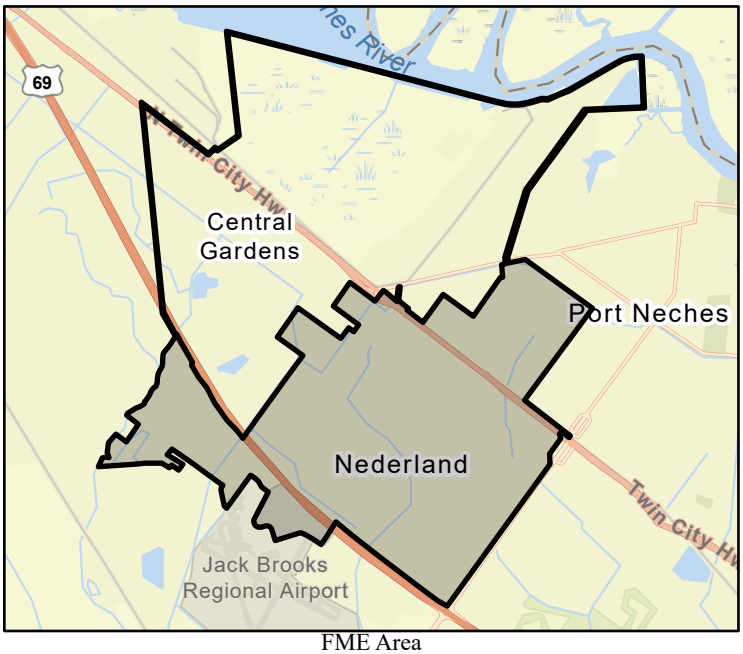
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 5.88 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	8,753	Structures at Risk	4,253	Critical Facilities at Risk	21
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.39	Impacted Roadway Miles	54.61
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	3,631



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Nacogdoches Update Flood Control Study

FME ID: 05-51-0000000055 Sponsor Entity ID: 05-01-0000002929

Sponsor name: Nacogdoches (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,306,800

FME Description: Conduct Flood Control Study and implement actions such as channelization, detention, retention, etc to stop repetitive flood losses.

County: Nacogdoches Existing/Anticipated Models? Yes New H&H Model? Yes

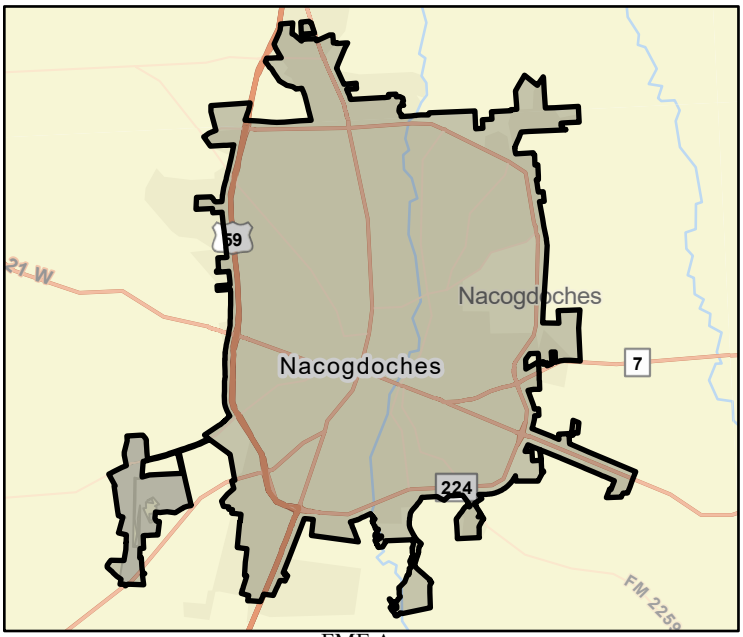
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 27.66 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	11,022	Structures at Risk	866	Critical Facilities at Risk	13
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.97	Impacted Roadway Miles	30.11
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	433



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Henderson Master Drainage Plan

FME ID: 05-51-0000000056 Sponsor Entity ID: 00-01-0000002895

Sponsor name: Henderson (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $580,800

FME 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.

County: Rusk Existing/Anticipated Models? Yes New H&H Model? Yes

Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 10.51 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	1,437	Structures at Risk	197	Critical Facilities at Risk	3
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.03	Impacted Roadway Miles	5.52
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	100



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Arp Master Drainage Plan

FME ID: 05-51-0000000057 Sponsor Entity ID: 05-01-0000003177

Sponsor name: Arp (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $1,573,000

FME 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.

County: Smith Existing/Anticipated Models? Yes New H&H Model? Yes

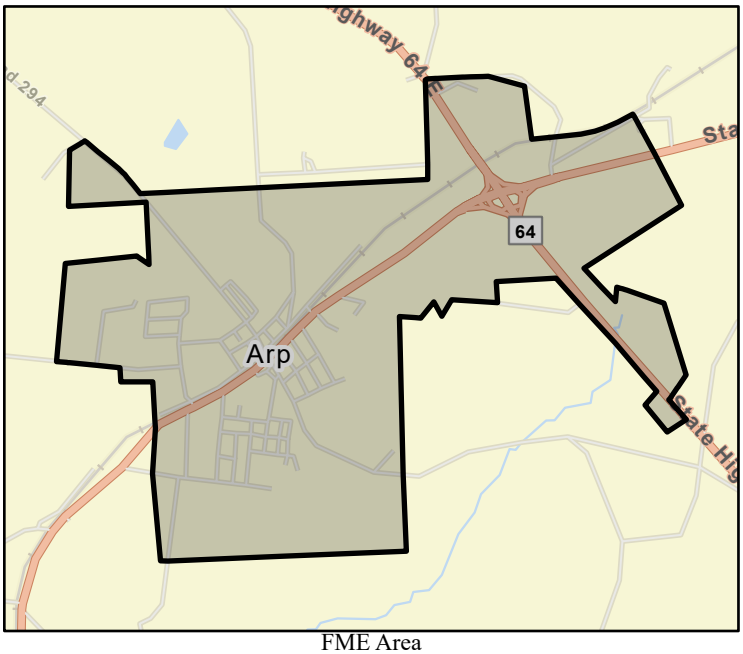
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 2.64 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	10	Structures at Risk	7	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.37
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	3



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Tyler Master Drainage Plan

FME ID: 05-51-0000000058 Sponsor Entity ID: 00-01-0000003371

Sponsor name: Tyler (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $2,662,000

FME 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.

County: Smith Existing/Anticipated Models? Yes New H&H Model? Yes

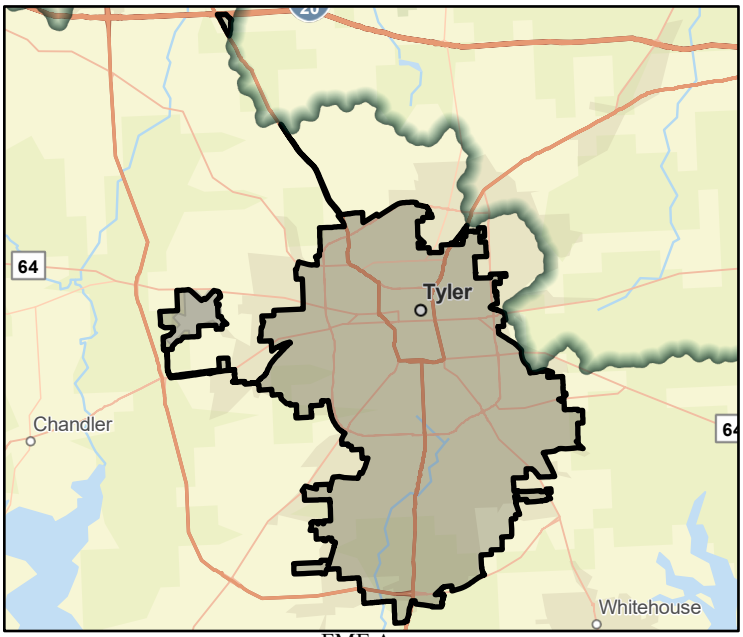
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 56.42 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	23,588	Structures at Risk	3,178	Critical Facilities at Risk	97
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.76	Impacted Roadway Miles	80.08
Low Water Crossings	31	Total Historical Road Closures	31	Residential at Risk	2,401



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Whitehouse Master Drainage Plan

FME ID: 05-51-0000000059 Sponsor Entity ID: 05-01-0000003033

Sponsor name: Whitehouse (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $181,500

FME 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.

County: Smith Existing/Anticipated Models? Yes New H&H Model? Yes

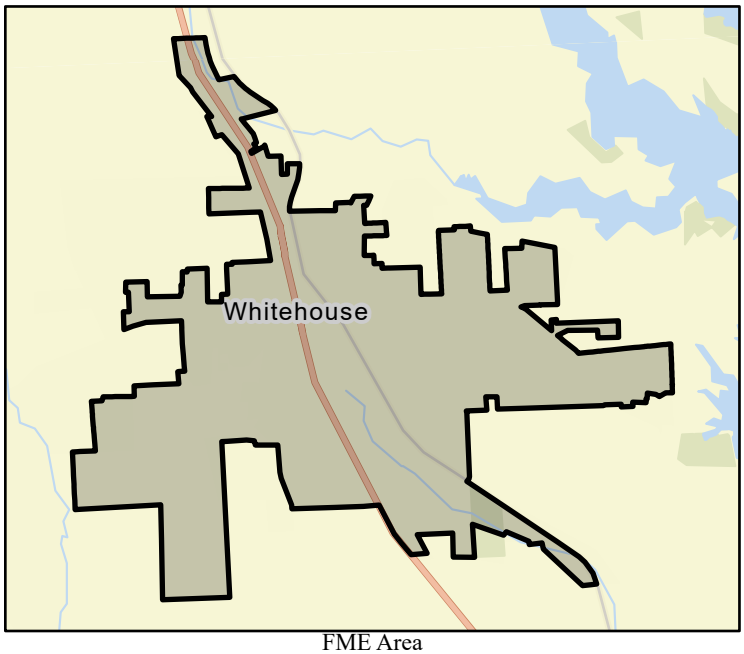
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 4.79 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	367	Structures at Risk	195	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.67	Impacted Roadway Miles	3.8
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	142



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Willie Nerron Road and Gillan Creek Bridge Replacement

FME ID: 05-51-0000000060 Sponsor Entity ID: 05-01-0000000125

Sponsor name: Angelina County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $393,250

FME Description: Evaluate bridge improvements (upgrade bridge and increase channel flow) to current crossing to develop costs, quantify benefits, evaluate impacts, and begin design.

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

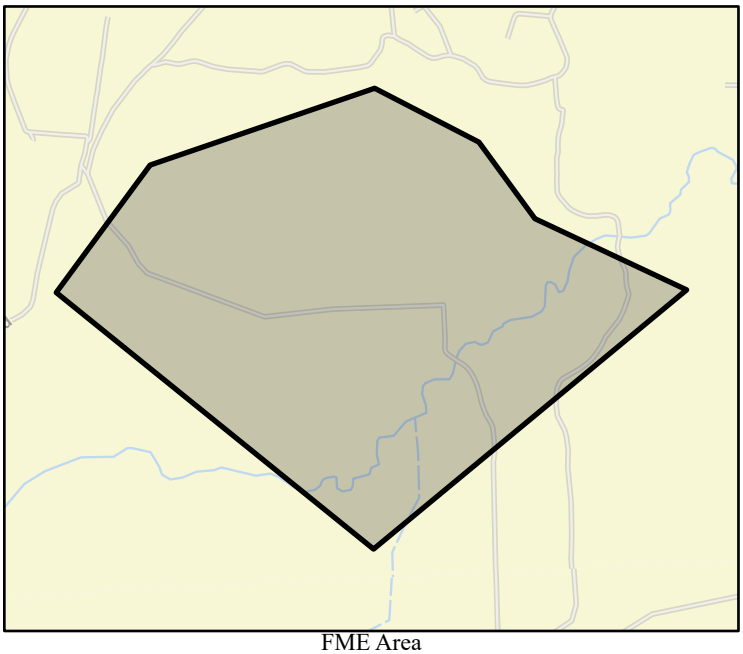
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 2.12 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	0	Structures at Risk	0	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.25
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Hall Street over White Oak Creek Bridge Improvements

FME ID: 05-51-0000000061 Sponsor Entity ID: 05-01-0000003196

Sponsor name: Diboll (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $124,630

FME Description: Evaluate alternatives to elevate bridge over White Oak Creek on Hall St going into the park

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

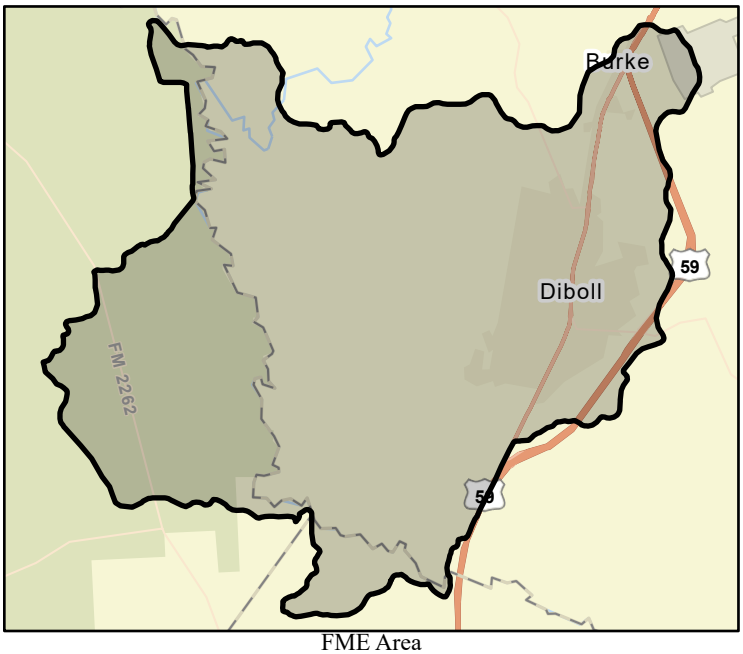
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 41.31 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	827	Structures at Risk	246	Critical Facilities at Risk	7
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3.94	Impacted Roadway Miles	12.43
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	138



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Preliminary Engineering of Gibsonville Street and Porterville Road Bridges Improvements

FME ID: 05-51-0000000062 Sponsor Entity ID: 05-01-0000003198

Sponsor name: Huntington (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $786,500

FME Description: Evaluate alternatives to raise bridges on Gibsonville St. and Porterville Road to increase flow of creek under.

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

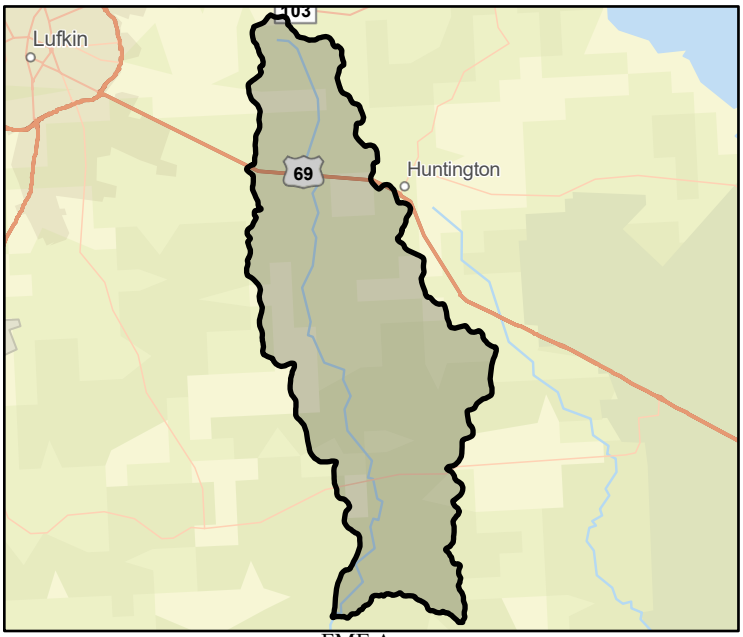
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 48.32 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	54	Structures at Risk	46	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	6.82
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	38



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Shawnee Creek Concrete Canal

FME ID: 05-51-0000000063 Sponsor Entity ID: 05-01-0000003198

Sponsor name: Huntington (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $471,900

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design for a concrete canal for Shawnee Creek from Louisiana Street to 6th Street.

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

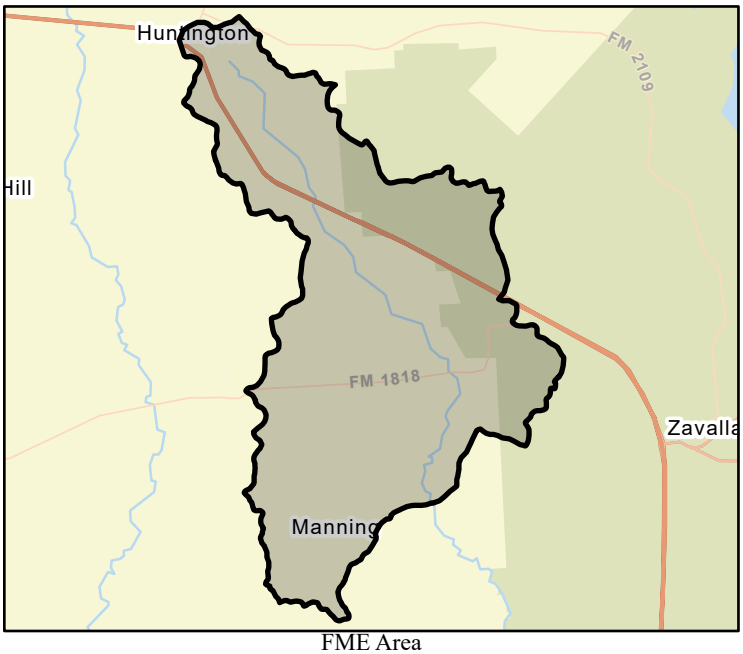
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 40.47 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	139	Structures at Risk	82	Critical Facilities at Risk	7
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.02	Impacted Roadway Miles	8.95
Low Water Crossings	6	Total Historical Road Closures	6	Residential at Risk	54



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Lufkin Detention Pond Construction and Improvements

FME ID: 05-51-0000000064 Sponsor Entity ID: 05-01-0000003561

Sponsor name: Lufkin (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $99,820

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design for a retention pond behind Inez Timms property. Increase holding capacity of existing retention ponds throughout the city.

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

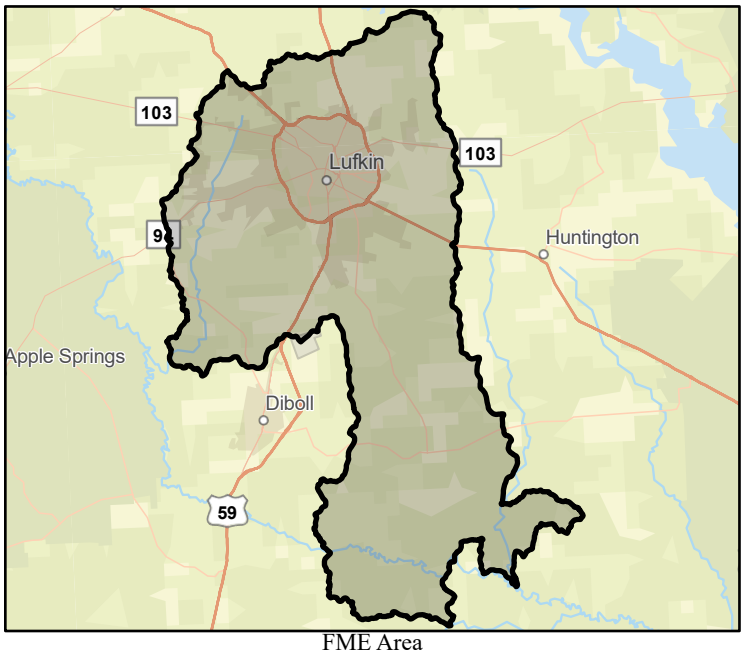
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 220.77 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	13,149	Structures at Risk	2,134	Critical Facilities at Risk	21
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	6.68	Impacted Roadway Miles	90.56
Low Water Crossings	26	Total Historical Road Closures	26	Residential at Risk	1,405



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Anahuac, North of Canal Drainage

FME ID: 05-51-0000000065 Sponsor Entity ID: 00-01-0000000013

Sponsor name: Chambers County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: Study to identify possible drainage improvements in the city limits of Anahuac. Study will focus on the area north of the Chambers-Liberty Counties Navigation District canal generally along N. Main Street, Texas Avenue, and Work Street.

County: Chambers Existing/Anticipated Models? Yes New H&H Model? Yes

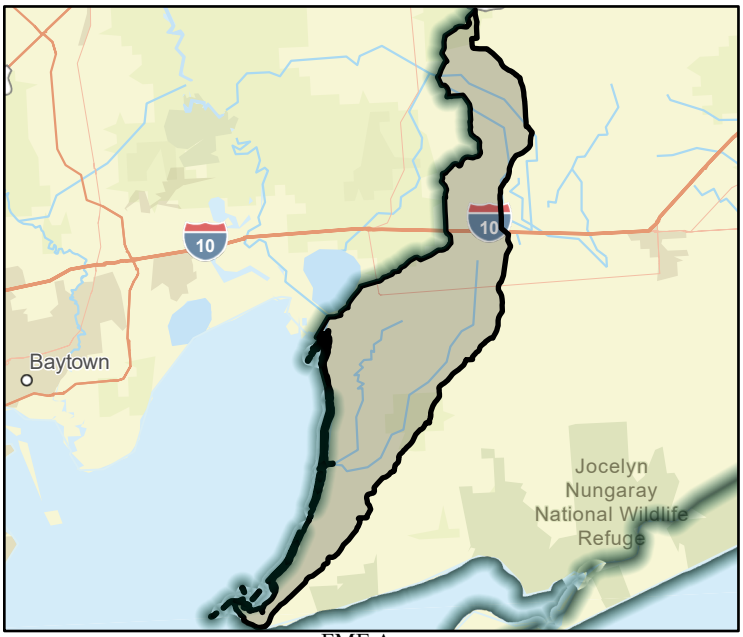
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 139.03 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	2,213	Structures at Risk	1,852	Critical Facilities at Risk	4
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	15,202.62	Impacted Roadway Miles	77.7
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	952



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Dredging West Fork- Double Bayou

FME ID: 05-51-0000000066 Sponsor Entity ID: 00-01-0000000013

Sponsor name: Chambers County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $1,694,000

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include dredging West Fork- Double Bayou from mouth to FM 562 bridge.

County: Chambers Existing/Anticipated Models? Yes New H&H Model? Yes

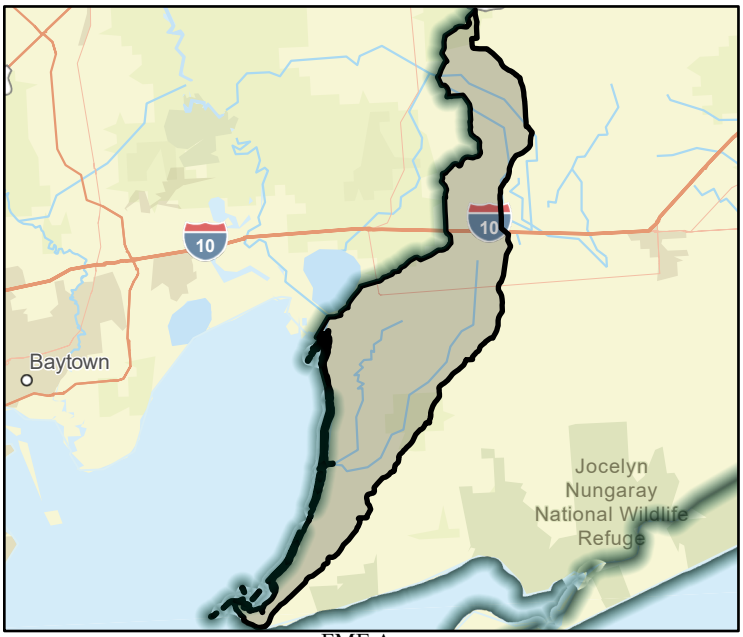
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 139.03 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	2,213	Structures at Risk	1,852	Critical Facilities at Risk	4
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	15,202.62	Impacted Roadway Miles	77.7
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	952



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Spindletop Bayou Ditch Improvement

FME ID: 05-51-0000000067 Sponsor Entity ID: 00-01-0000000013

Sponsor name: Chambers County (County)

RFPG recommend? No Reason for Recommendation: -

FME Details

FME Type: Project Planning Est. FME Cost: $1,815,000

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include increasing IH10 crossings, enlarge ditches and create retention along the Spindletop Bayou in east Chambers County.

County: Chambers Existing/Anticipated Models? Yes New H&H Model? Yes

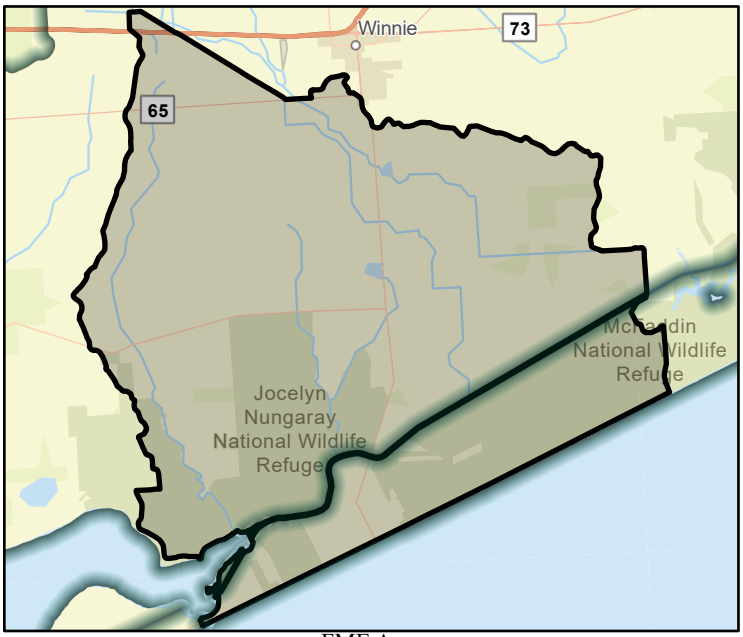
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 302.6 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	395	Structures at Risk	561	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	36,743.74	Impacted Roadway Miles	78.88
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	339



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: North Anahuac Drainage

FME ID: 05-51-0000000068 Sponsor Entity ID: 00-01-0000003571

Sponsor name: Anahuac (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $968,000

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include expanding/repairing road ditches and culverts and channelizing the drainage outfall for the area north of Lonestar Canal.

County: Chambers Existing/Anticipated Models? Yes New H&H Model? Yes

Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 139.03 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	2,213	Structures at Risk	1,852	Critical Facilities at Risk	4
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	15,202.62	Impacted Roadway Miles	77.7
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	952



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Southeast Drainage Ditch

FME ID: 05-51-0000000069 Sponsor Entity ID: 00-01-0000003571

Sponsor name: Anahuac (Municipality)

RFPG recommend? No Reason for Recommendation: -

FME Details

FME Type: Project Planning Est. FME Cost: $151,250

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include channelization and crossing upgrades from Benton Lane to FM 563.

County: Chambers Existing/Anticipated Models? Yes New H&H Model? Yes

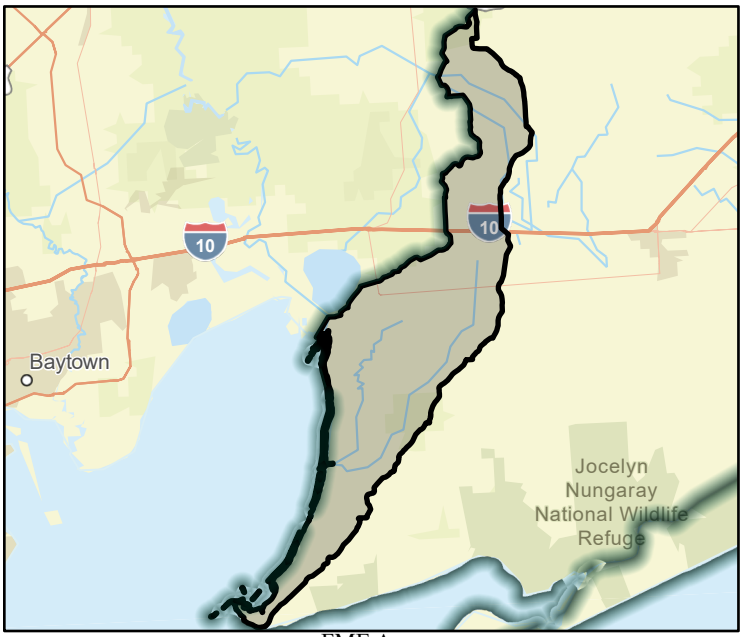
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 139.03 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	2,213	Structures at Risk	1,852	Critical Facilities at Risk	4
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	15,202.62	Impacted Roadway Miles	77.7
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	952



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Southwest Anahuac Ditch

FME ID: 05-51-0000000070 Sponsor Entity ID: 00-01-0000003571

Sponsor name: Anahuac (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $151,250

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

County: Chambers Existing/Anticipated Models? Yes New H&H Model? Yes

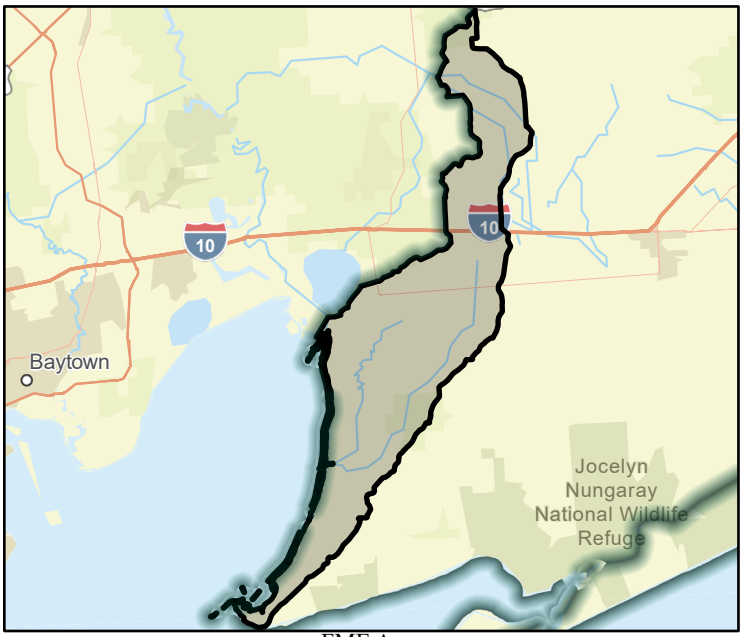
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 139.03 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	2,213	Structures at Risk	1,852	Critical Facilities at Risk	4
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	15,202.62	Impacted Roadway Miles	77.7
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	952



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Lumberton Adler Ditch Drainage Improvements

FME ID: 05-51-0000000071 Sponsor Entity ID: 05-01-0000002488

Sponsor name: Lumberton (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H Study to identify alternatives for improving existing drainage of Adler Ditch

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

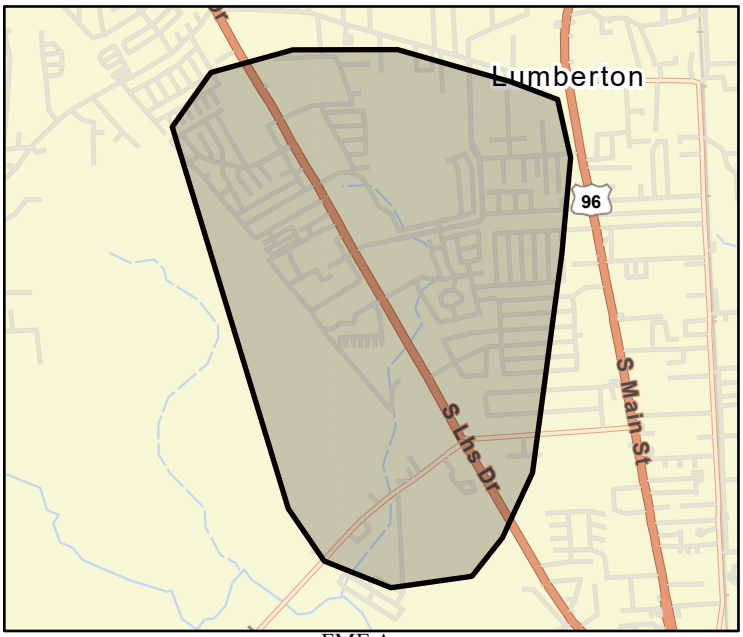
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 3.26 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	1,054	Structures at Risk	461	Critical Facilities at Risk	8
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	19.95	Impacted Roadway Miles	13.63
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	316



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Lumberton East Village Creek Parkway Drainage Improvements

FME ID: 05-51-0000000072 Sponsor Entity ID: 05-01-0000002488

Sponsor name: Lumberton (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $151,250

FME Description: H&H Study to identify alternatives for improving existing drainage of East Village Creek Parkway

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

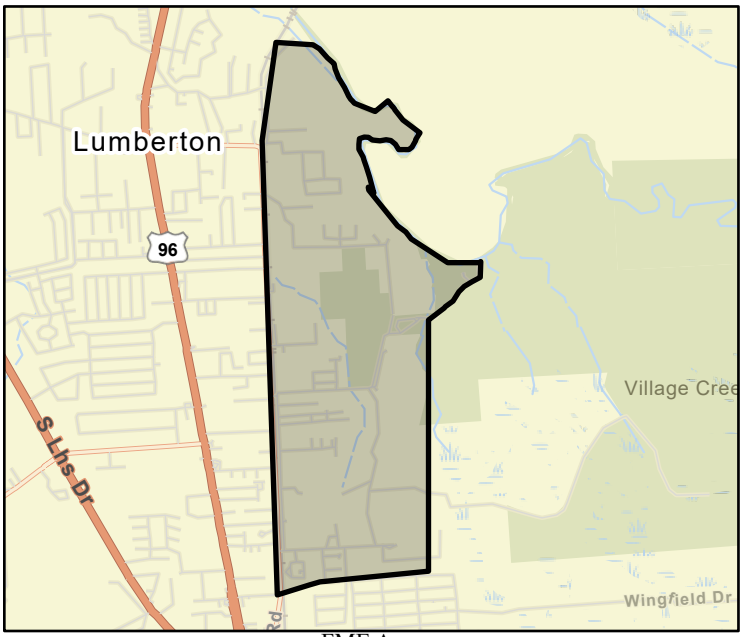
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 2.11 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	256	Structures at Risk	91	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.13	Impacted Roadway Miles	3.78
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	70



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Lumberton Greens Branch Ditch Western Extension

FME ID: 05-51-0000000073 Sponsor Entity ID: 05-01-0000002488

Sponsor name: Lumberton (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H Study to identify alternatives for improving existing drainage of Greens Branch Ditch

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

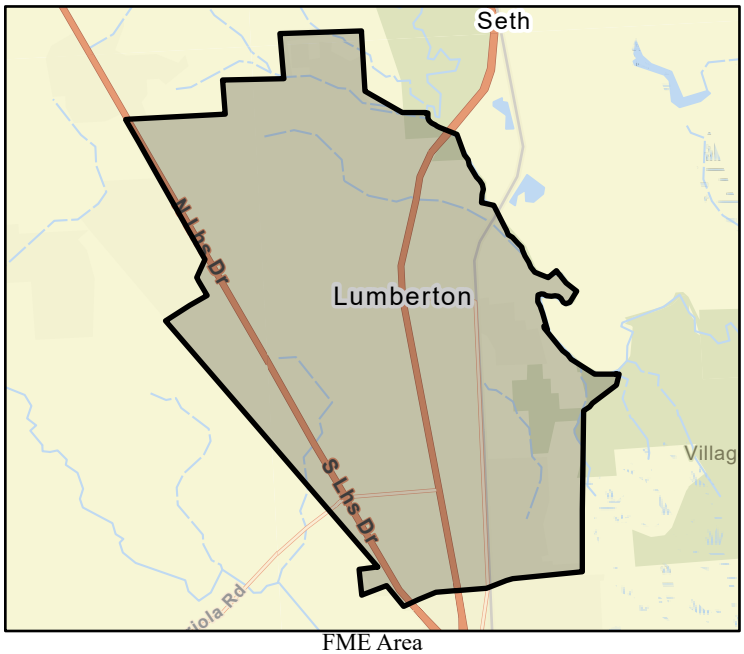
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 10.68 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	3,216	Structures at Risk	1,459	Critical Facilities at Risk	17
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.13	Impacted Roadway Miles	32.76
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	1,006



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Lumberton Drainage Chance Cut Off Concrete Lining

FME ID: 05-51-0000000074 Sponsor Entity ID: 05-01-0000002488

Sponsor name: Lumberton (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $60,500

FME Description: H&H Study to identify alternatives for improving existing drainage of Chance Cut Off

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

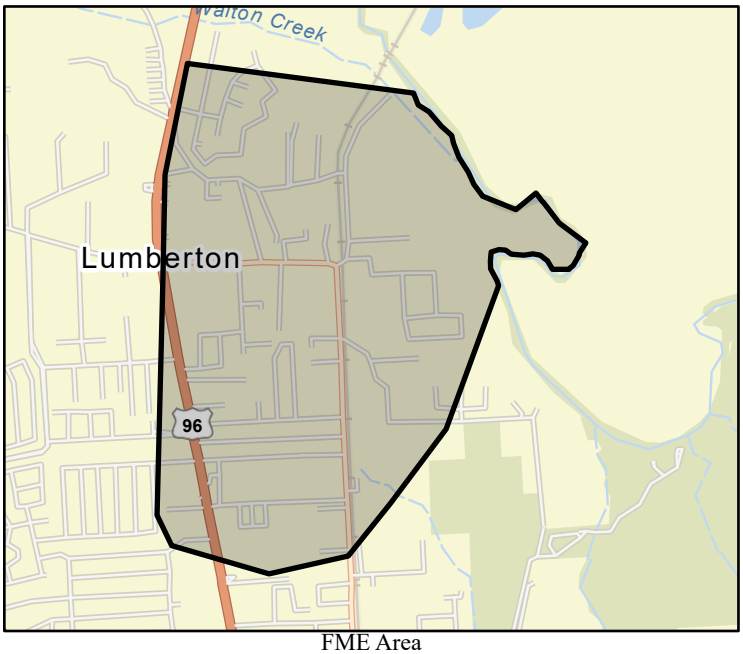
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 1.62 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	470	Structures at Risk	241	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	3.73
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	168



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Lumberton Detention Pond at FM 421

FME ID: 05-51-0000000075 Sponsor Entity ID: 05-01-0000002488

Sponsor name: Lumberton (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $60,500

FME Description: H&H Study to develop alternatives for detention at FM 421

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

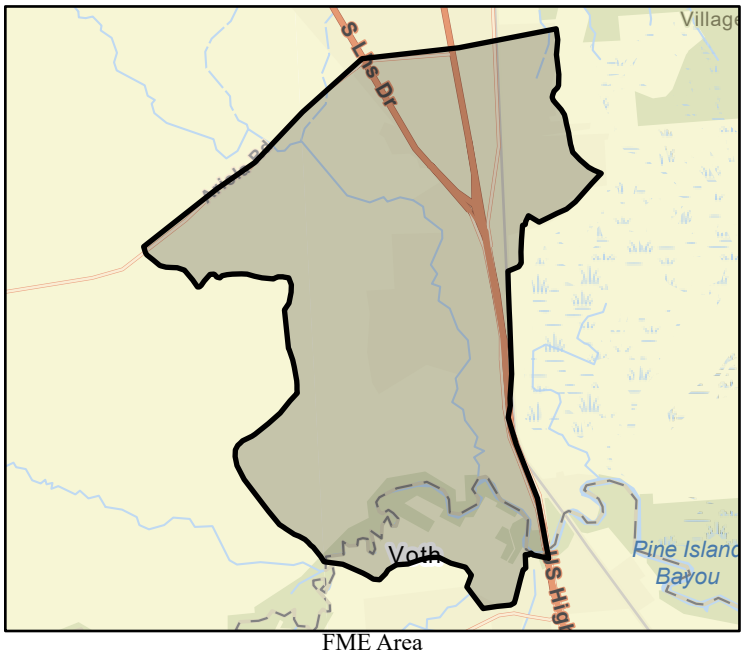
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 10.86 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	2,015	Structures at Risk	806	Critical Facilities at Risk	9
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	8.89	Impacted Roadway Miles	19.15
Low Water Crossings	4	Total Historical Road Closures	4	Residential at Risk	546



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Lumberton Elevate Taft Road and Brushy Creek Subdivision

FME ID: 05-51-0000000076 Sponsor Entity ID: 05-01-0000002488

Sponsor name: Lumberton (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $90,750

FME Description: H&H Study to identify alternatives for elevating Taft Road and Brushy Creek Subdivision

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

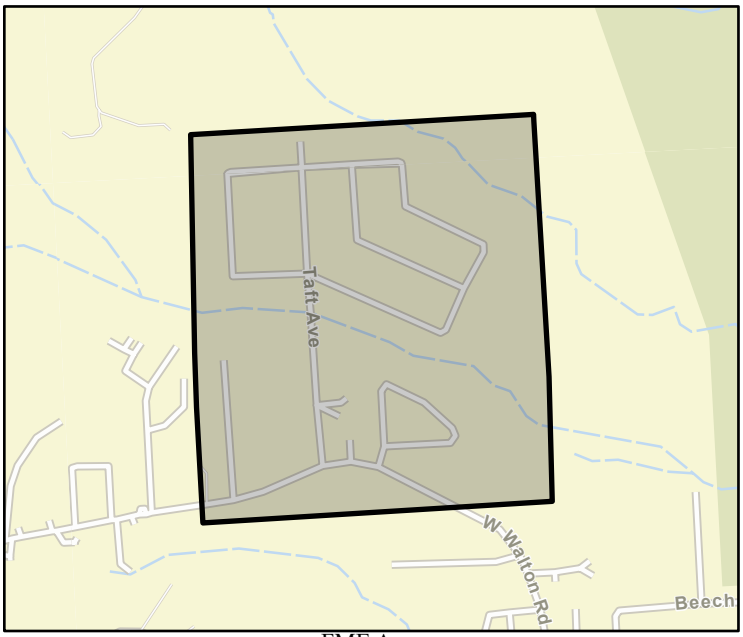
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 0.49 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	357	Structures at Risk	130	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.96
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	129



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Rose Hill Acres Flood Mitigation Improvements

FME ID: 05-51-0000000077 Sponsor Entity ID: 05-01-0000003029

Sponsor name: Rose Hill Acres (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $605,000

FME Description: Develop drainage study to identify flood mitigation measures in and around Rose Hill Acres ETJ.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

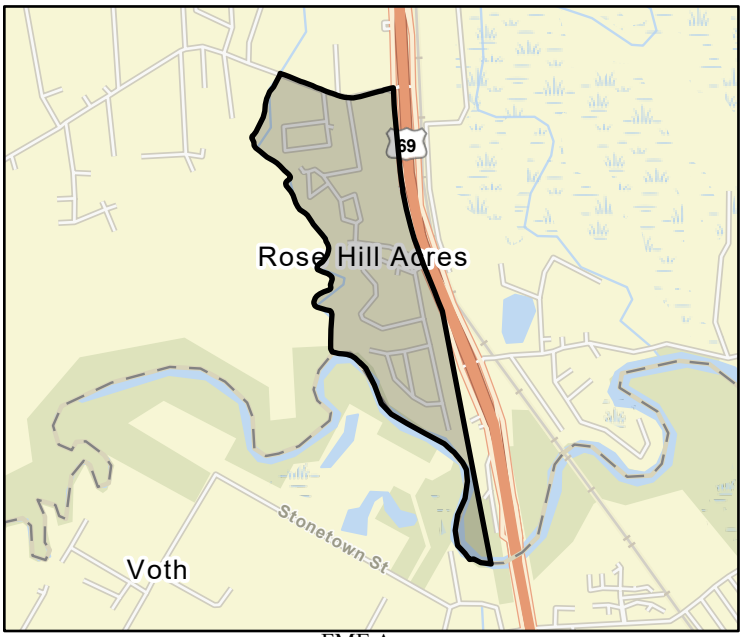
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 0.4 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	135	Structures at Risk	70	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.1
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	65



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Nacogdoches Flood Mitigation Project

FME ID: 05-51-0000000078 Sponsor Entity ID: 05-01-0000002929

Sponsor name: Nacogdoches (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to mitigate the wide-spread flooding that occurs along LaNana and Banita Creeks in the City of Nacogdoches

County: Nacogdoches Existing/Anticipated Models? Yes New H&H Model? Yes

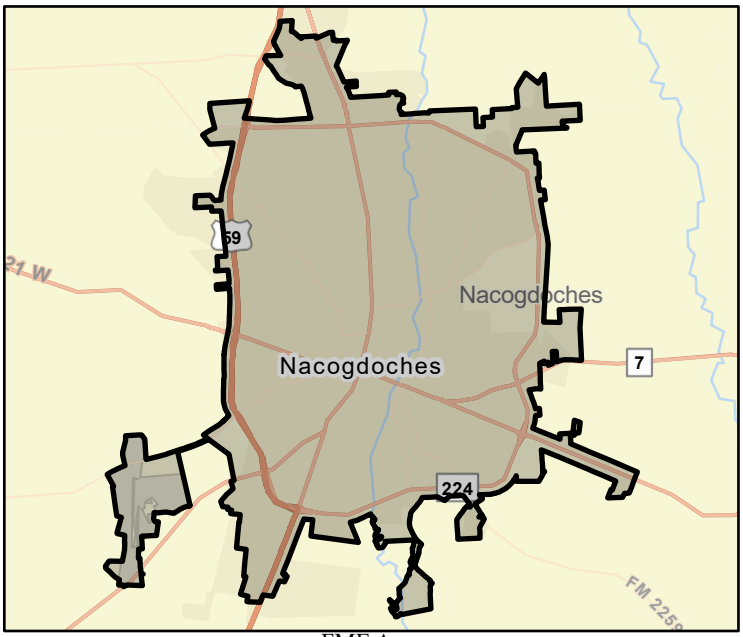
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 27.81 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	11,022	Structures at Risk	866	Critical Facilities at Risk	13
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.97	Impacted Roadway Miles	30.11
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	433



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Rose Hill Acres Ditch Improvements

FME ID: 05-51-0000000079 Sponsor Entity ID: 05-01-0000003029

Sponsor name: Rose Hill Acres (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $60,500

FME Description: H&H Study to identify alternatives for ditch improvements within Rose Hill Acres

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

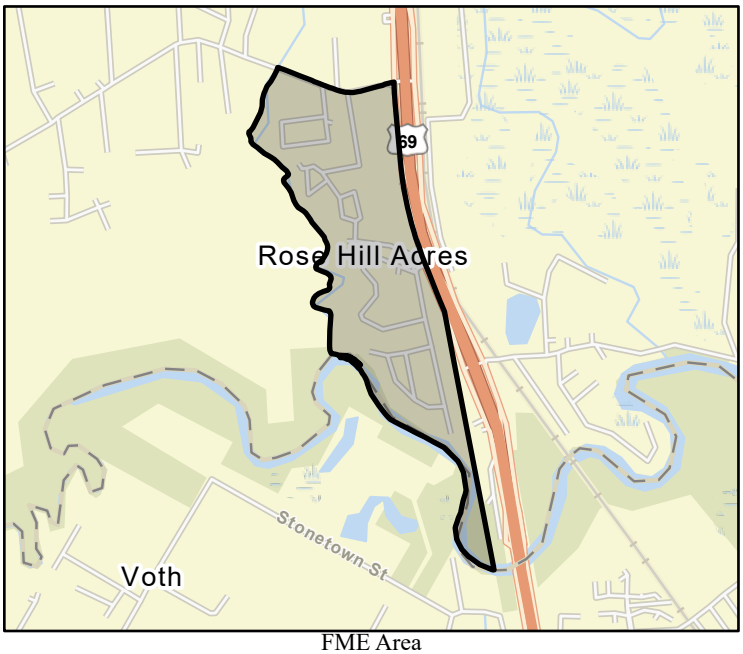
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 0.41 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	135	Structures at Risk	70	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.1
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	65



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Rose Hill Acres Road and Bridge Elevation

FME ID: 05-51-0000000080 Sponsor Entity ID: 05-01-0000003029

Sponsor name: Rose Hill Acres (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $60,500

FME Description: H&H study to locate roadways prone to flooding and identify alternatives to improve drainage.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

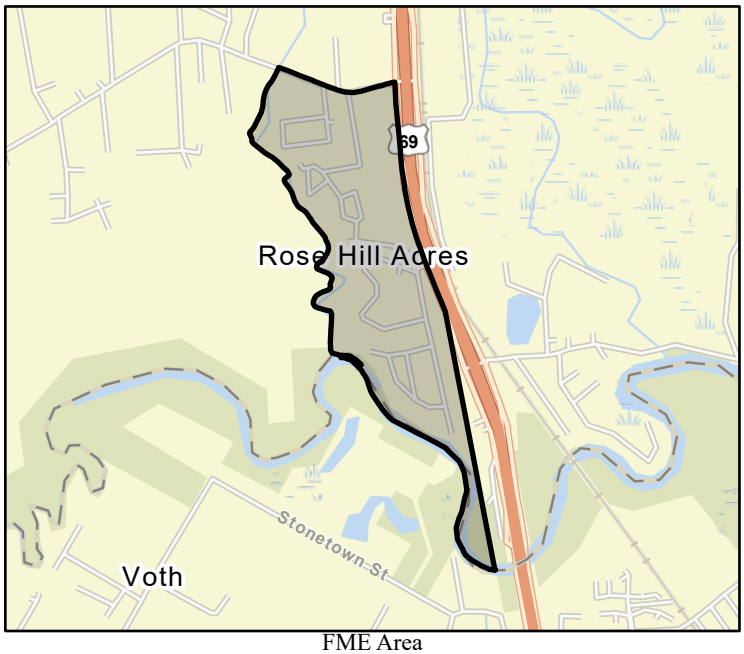
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 0.41 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	135	Structures at Risk	70	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.1
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	65



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Silsbee Easy Street Drainage Improvements

FME ID: 05-51-0000000081 Sponsor Entity ID: 05-01-0000002932

Sponsor name: Silsbee (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $60,500

FME Description: H&H study to locate roadways prone to flooding and identify alternatives to improve drainage.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

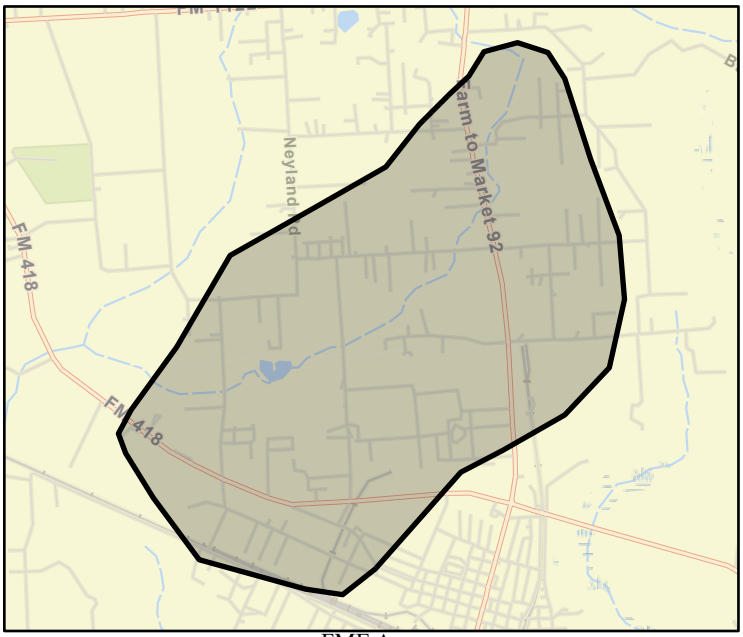
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 4.43 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	403	Structures at Risk	179	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.89	Impacted Roadway Miles	4.55
Low Water Crossings	4	Total Historical Road Closures	4	Residential at Risk	118



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Vidor Schoolhouse Ditch Alternative B

FME ID: 05-51-0000000082 Sponsor Entity ID: 00-01-0000000027

Sponsor name: Orange County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to identify alternatives for Schoolhouse Ditch

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

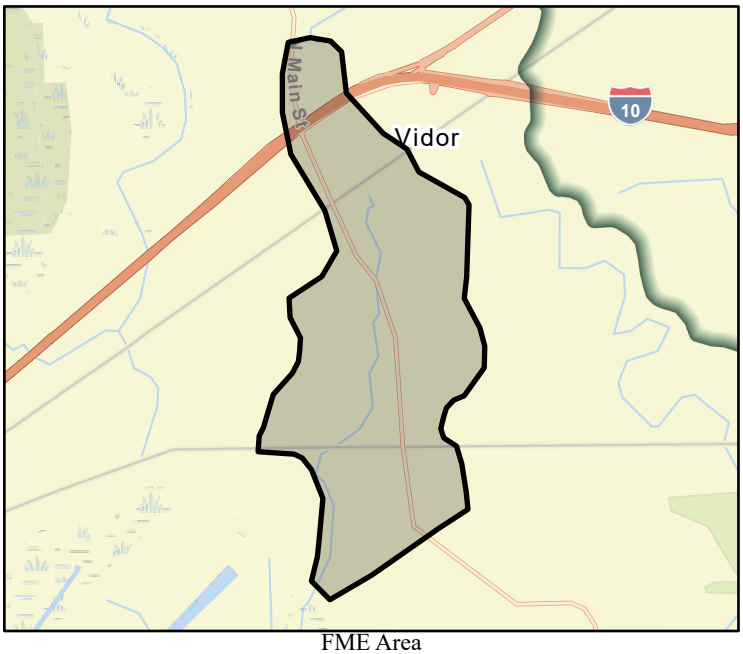
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 2.86 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	4,252	Structures at Risk	750	Critical Facilities at Risk	43
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	13.72
Low Water Crossings	4	Total Historical Road Closures	4	Residential at Risk	577



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Vidor Schoolhouse Ditch Alternative C

FME ID: 05-51-0000000083 Sponsor Entity ID: 00-01-0000000027

Sponsor name: Orange County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to identify alternatives for Schoolhouse Ditch

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

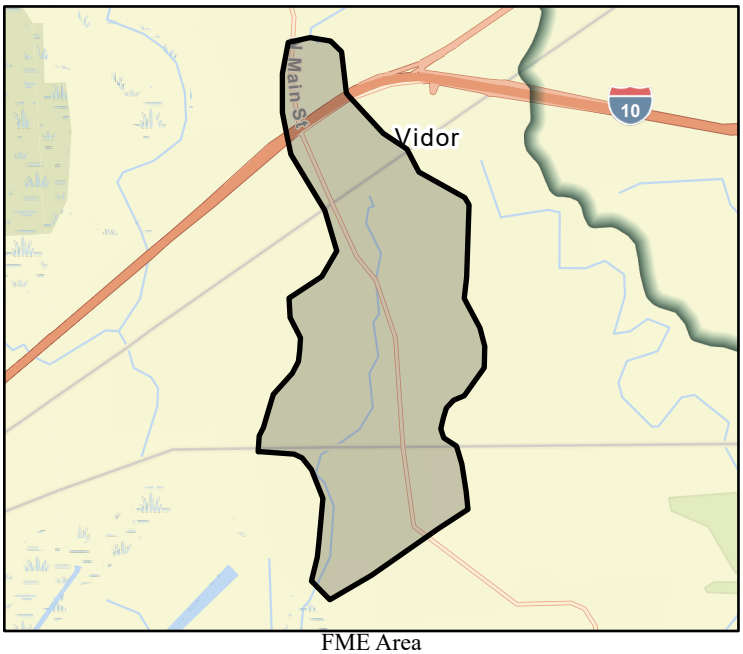
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 2.86 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	4,252	Structures at Risk	750	Critical Facilities at Risk	43
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	13.72
Low Water Crossings	4	Total Historical Road Closures	4	Residential at Risk	577



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Vidor Drainage Improvements

FME ID: 05-51-0000000084 Sponsor Entity ID: 00-01-0000000027

Sponsor name: Orange County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME 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.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

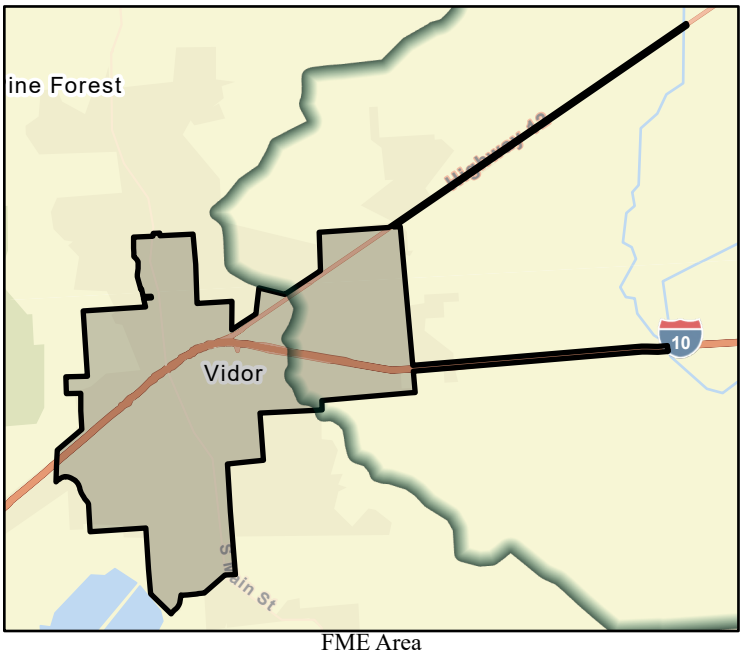
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 10.34 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	5,418	Structures at Risk	1,865	Critical Facilities at Risk	51
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.41	Impacted Roadway Miles	41.21
Low Water Crossings	6	Total Historical Road Closures	6	Residential at Risk	1,516



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Black Creek Detention Pond

FME ID: 05-51-0000000085 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? No Reason for Recommendation: -

FME Details

FME Type: Project Planning Est. FME Cost: $181,500

FME Description: H&H Study to develop alternatives for detention at Black Creek.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

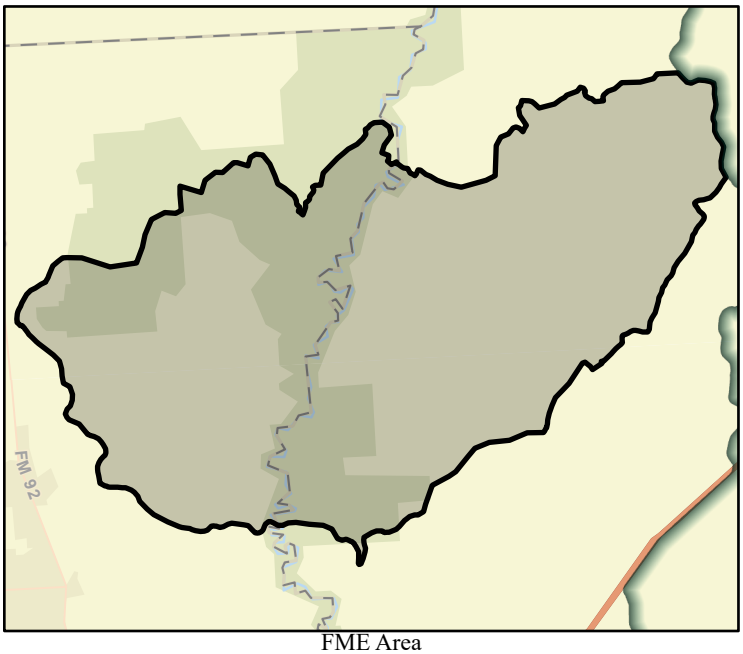
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 49.98 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	11	Structures at Risk	27	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	2.46	Impacted Roadway Miles	14.18
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	3



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

FME ID: 05-51-0000000086 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? No Reason for Recommendation: -

FME Details

FME Type: Project Planning Est. FME Cost: $181,500

FME Description: H&H Study to develop alternatives for detention on Boggy Creek.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

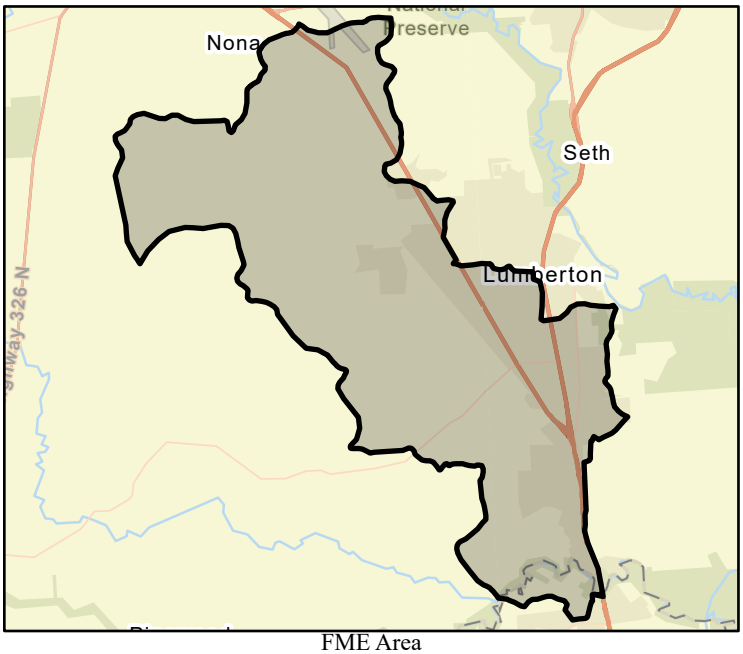
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 42.92 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	3,970	Structures at Risk	2,038	Critical Facilities at Risk	19
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	37.24	Impacted Roadway Miles	52.21
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	1,409



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Cooks Lake Road Bridge Elevation

FME ID: 05-51-0000000087 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $24,200

FME Description: H&H study to improve drainage along Cooks Lake Bridge.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

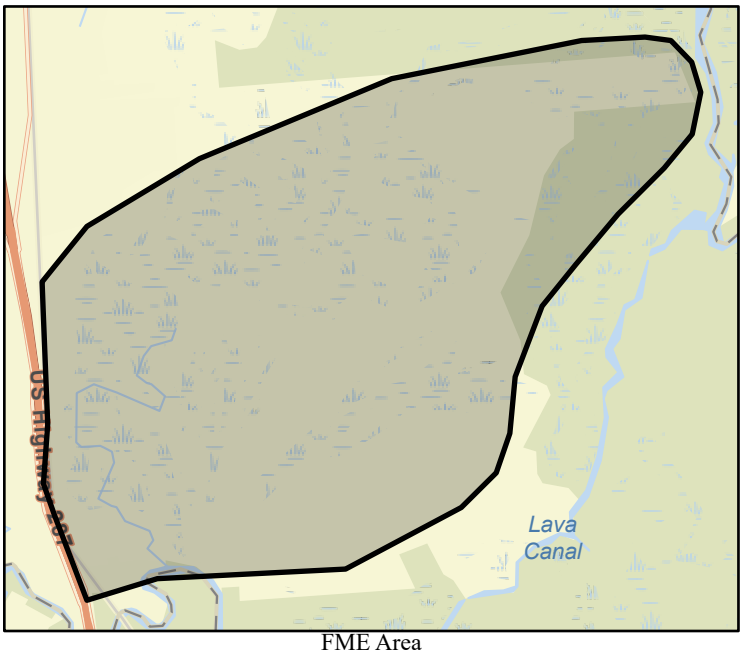
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 9.55 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	69	Structures at Risk	31	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	5.12	Impacted Roadway Miles	2.64
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	20



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Reservoir

FME ID: 05-51-0000000088 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $605,000

FME Description: H&H study of large reservoir for flood control / drought assistance.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 42.89 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	3,969	Structures at Risk	2,039	Critical Facilities at Risk	19
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	37.24	Impacted Roadway Miles	52.16
Low Water Crossings	6	Total Historical Road Closures	6	Residential at Risk	1,410



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Hardin County South Area Drainage System

FME ID: 05-51-0000000089 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? No Reason for Recommendation: -

FME Details

FME Type: Project Planning Est. FME Cost: $1,210,000

FME 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

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

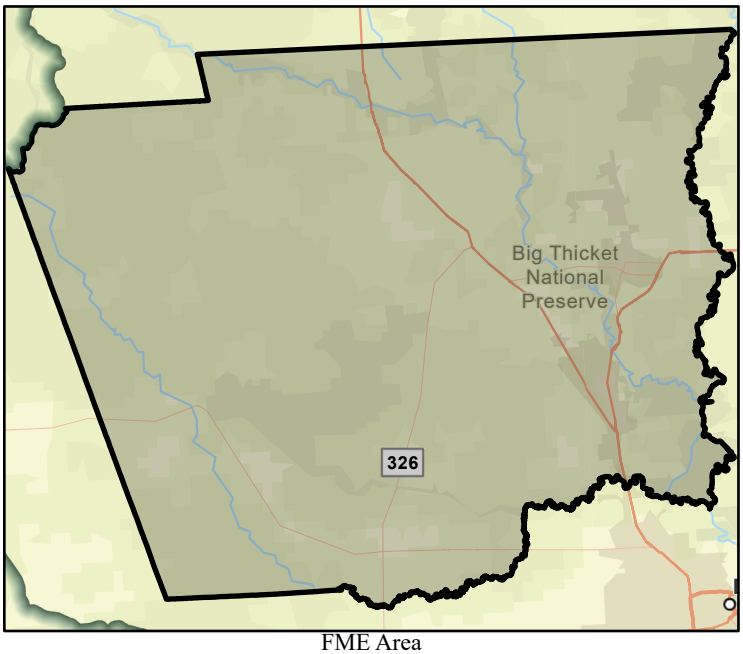
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 889.81 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	11,419	Structures at Risk	6,128	Critical Facilities at Risk	59
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1,020.87	Impacted Roadway Miles	286.08
Low Water Crossings	24	Total Historical Road Closures	24	Residential at Risk	4,126



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

FME ID: 05-51-0000000090 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? No Reason for Recommendation: -

FME Details

FME Type: Project Planning Est. FME Cost: $1,512,500

FME 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.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

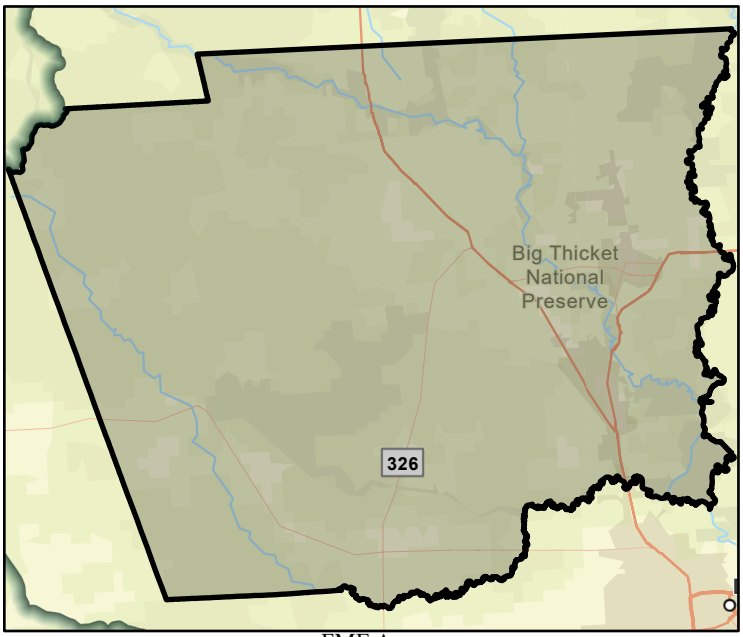
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 891.06 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	11,421	Structures at Risk	6,135	Critical Facilities at Risk	59
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1,020.87	Impacted Roadway Miles	286.2
Low Water Crossings	24	Total Historical Road Closures	24	Residential at Risk	4,133



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Pinewood Drainage Improvements

FME ID: 05-51-0000000091 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $423,500

FME Description: H&H Study to identify alternatives for improving existing drainage within Pinewood.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 42.92 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	3,970	Structures at Risk	2,040	Critical Facilities at Risk	19
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	37.24	Impacted Roadway Miles	52.24
Low Water Crossings	5	Total Historical Road Closures	5	Residential at Risk	1,410



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

FME ID: 05-51-0000000092 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $363,000

FME Description: H&H Study to identify alternatives for improving existing drainage within Marsh Gully

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

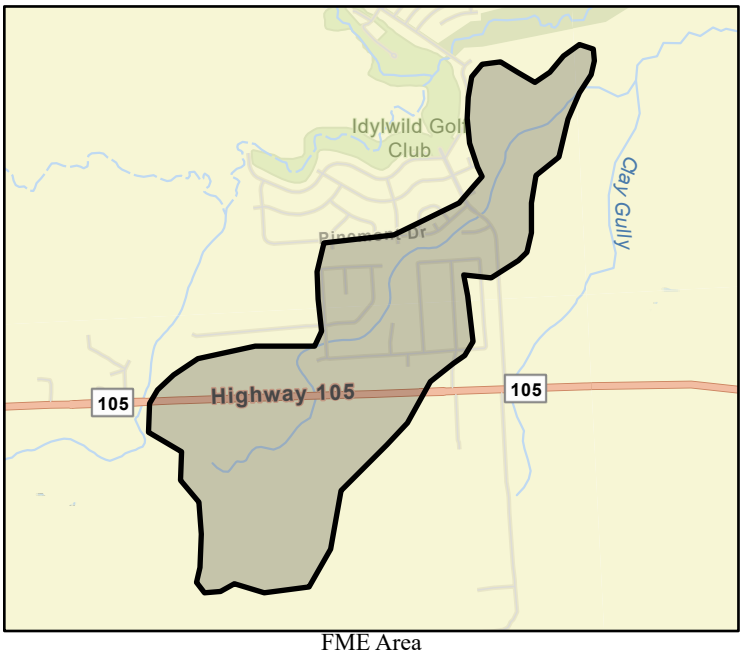
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 2.11 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	487	Structures at Risk	180	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.09	Impacted Roadway Miles	2.82
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	138



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

FME ID: 05-51-0000000093 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $2,420,000

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design.

County: Multiple Existing/Anticipated Models? Yes New H&H Model? Yes

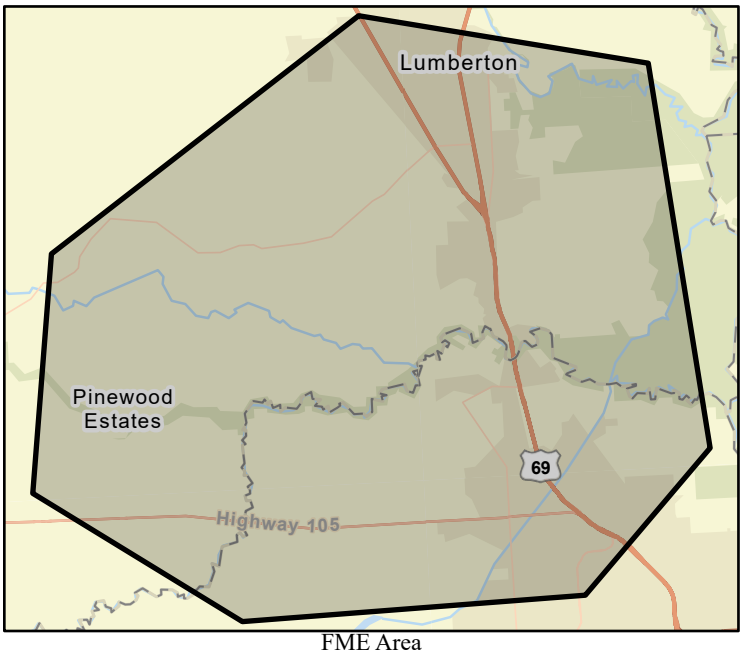
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 128.21 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	13,956	Structures at Risk	5,842	Critical Facilities at Risk	31
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	440.17	Impacted Roadway Miles	140.71
Low Water Crossings	17	Total Historical Road Closures	17	Residential at Risk	4,582



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Coffee City Flood-prone Roadway and Infrastructure Evaluation

FME ID: 05-51-0000000094 Sponsor Entity ID: 05-01-0000002870

Sponsor name: Coffee City (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $30,250

FME Description: Locate roadways and properties prone to flooding due to heavy rainfall

County: Henderson Existing/Anticipated Models? Yes New H&H Model? Yes

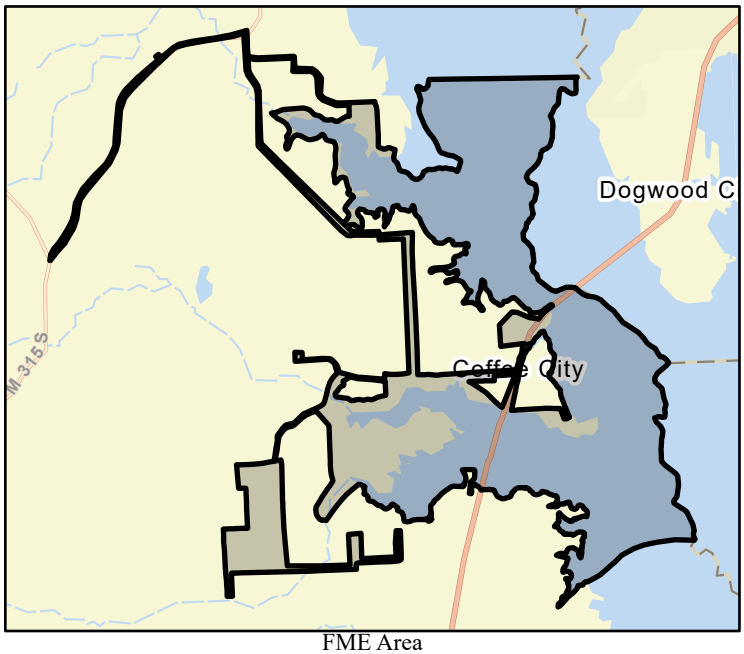
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 6.66 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	12	Structures at Risk	9	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.38	Impacted Roadway Miles	1.74
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	4



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Moore Station Flood-prone Roadway and Infrastructure Evaluation

FME ID: 05-51-0000000095 Sponsor Entity ID: 05-01-0000002828

Sponsor name: Moore Station (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $30,250

FME Description: Locate roadways and properties prone to flooding due to heavy rainfall

County: Henderson Existing/Anticipated Models? Yes New H&H Model? Yes

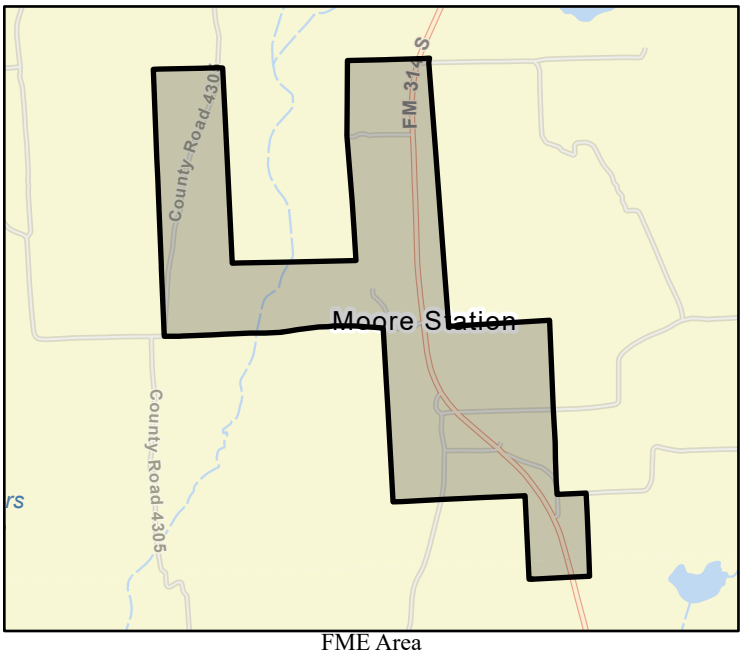
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 1.26 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	7	Structures at Risk	4	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.41
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	3



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Houston County Earthen Dike Construction

FME ID: 05-51-0000000096 Sponsor Entity ID: 00-01-0000000128

Sponsor name: Houston County (County)

RFPG recommend? No Reason for Recommendation: Defer to Trinity Region

FME Details

FME Type: Project Planning Est. FME Cost: $20,540

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of an earthen dike to elevate emergency vehicle access road to critical facilities to provide protection to the 500-year flood level.

County: Houston Existing/Anticipated Models? Yes New H&H Model? Yes

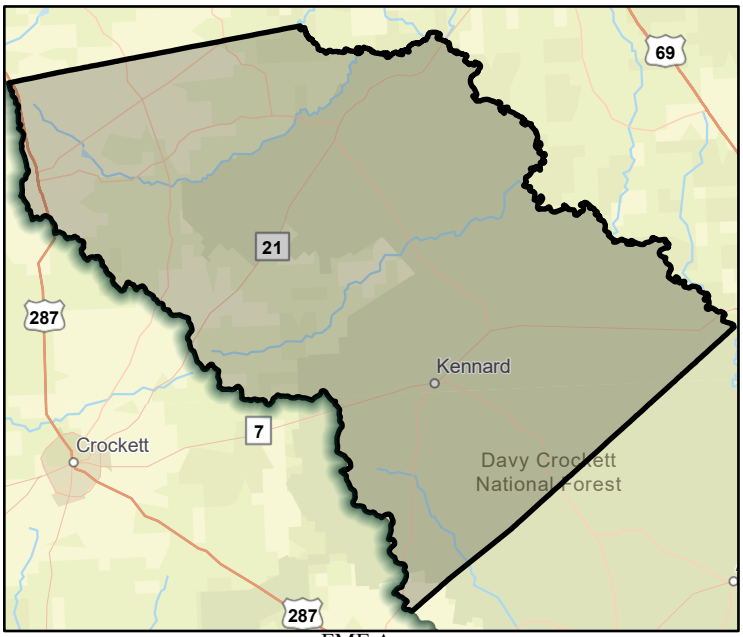
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 419.99 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	274	Structures at Risk	139	Critical Facilities at Risk	5
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	79.73	Impacted Roadway Miles	67.25
Low Water Crossings	20	Total Historical Road Closures	20	Residential at Risk	49



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Ditch 100 A (East Caldwood) Improvements

FME ID: 05-51-0000000097 Sponsor Entity ID: 05-01-0000001731

Sponsor name: Jefferson County Drainage District 6 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $90,750

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of 2,200 ft of channel to be retrofitted with an underground culvert to allow for shaping and resizing the ditch to allow for continued maintenance.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

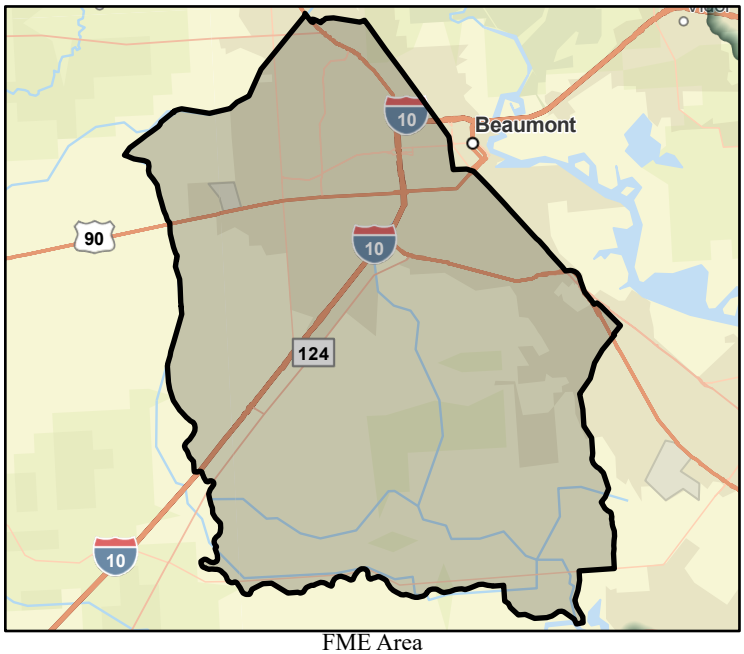
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 146.92 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	80,349	Structures at Risk	22,266	Critical Facilities at Risk	289
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	7,049.66	Impacted Roadway Miles	446.45
Low Water Crossings	43	Total Historical Road Closures	43	Residential at Risk	18,475



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Ditch 119 Crossings at Yount and Edson

FME ID: 05-51-0000000098 Sponsor Entity ID: 05-01-0000001731

Sponsor name: Jefferson County Drainage District 6 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $60,500

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of crossing improvements that will protect about 50 homes and mitigate flood risk on a historically flood prone road.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

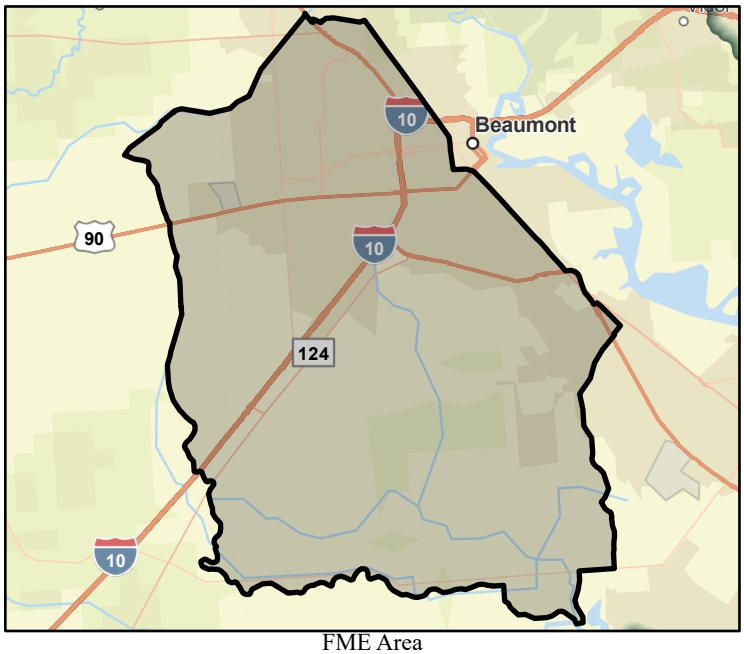
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 146.92 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	80,349	Structures at Risk	22,266	Critical Facilities at Risk	289
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	7,049.66	Impacted Roadway Miles	446.45
Low Water Crossings	43	Total Historical Road Closures	43	Residential at Risk	18,475



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Lateral B4A and B4A Ext. Improvements

FME ID: 05-51-0000000099 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? No Reason for Recommendation: -

FME Details

FME Type: Project Planning Est. FME Cost: $272,250

FME 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.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

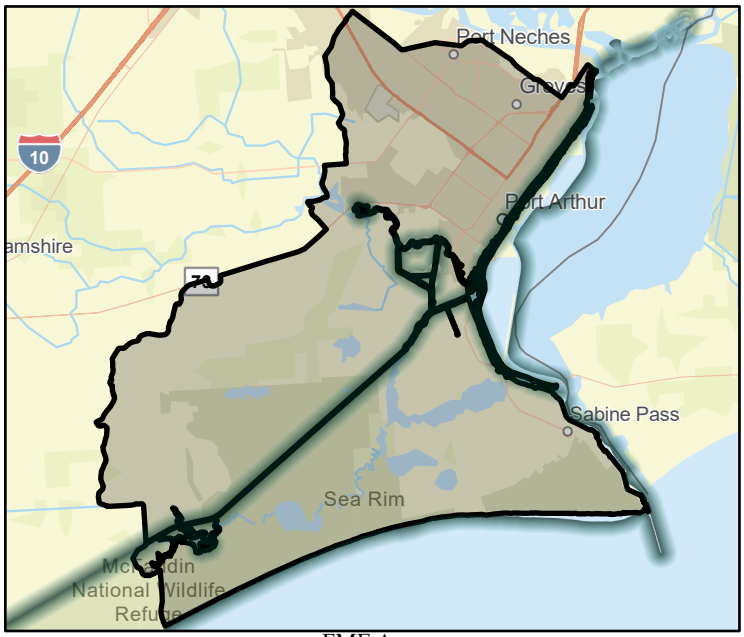
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 324.79 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	71,929	Structures at Risk	33,674	Critical Facilities at Risk	1,210
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	7,259.98	Impacted Roadway Miles	542.11
Low Water Crossings	34	Total Historical Road Closures	34	Residential at Risk	28,483



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Rodair Pump Station

FME ID: 05-51-0000000100 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $2,420,000

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

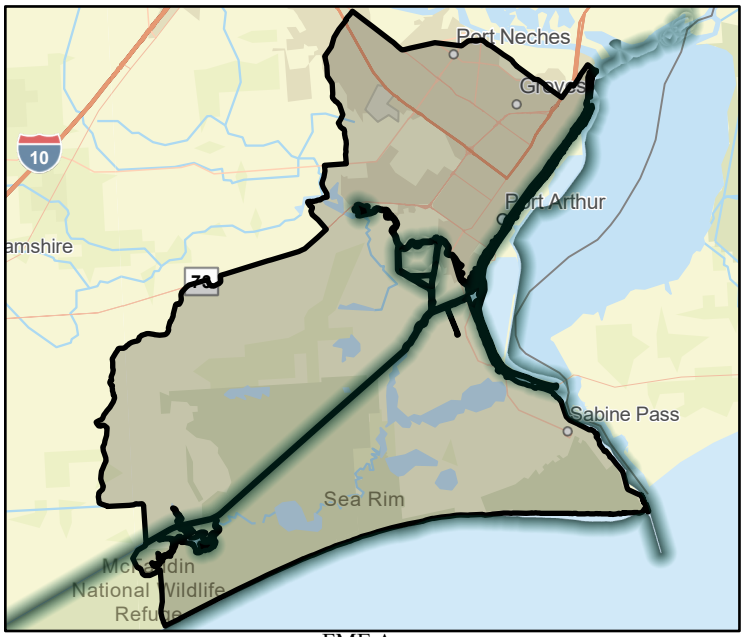
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 324.79 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	71,929	Structures at Risk	33,674	Critical Facilities at Risk	1,210
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	7,259.98	Impacted Roadway Miles	542.11
Low Water Crossings	34	Total Historical Road Closures	34	Residential at Risk	28,483



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Upgrade to Lateral B4B

FME ID: 05-51-0000000101 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? No Reason for Recommendation: -

FME Details

FME Type: Project Planning Est. FME Cost: $60,500

FME 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.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

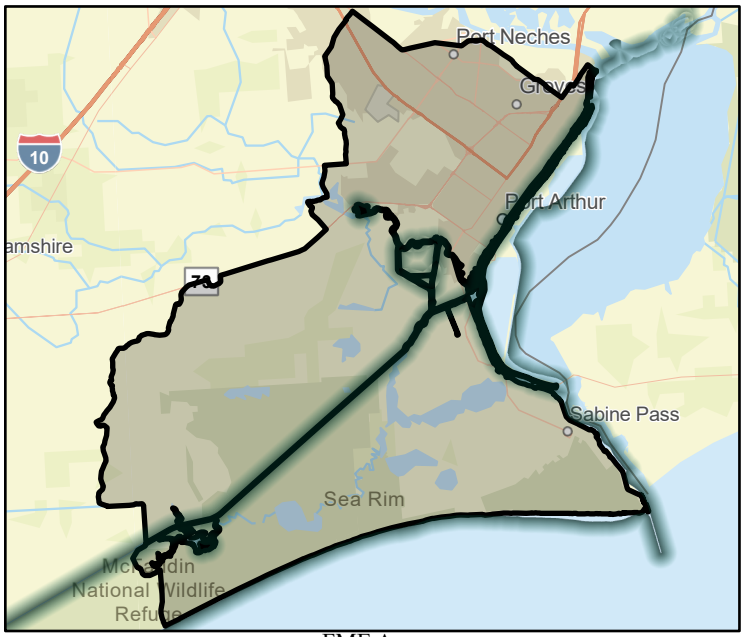
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 324.79 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	71,929	Structures at Risk	33,674	Critical Facilities at Risk	1,210
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	7,259.98	Impacted Roadway Miles	542.11
Low Water Crossings	34	Total Historical Road Closures	34	Residential at Risk	28,483



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Beauxart Gardens Central Ditch Improvements

FME ID: 05-51-0000000102 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $60,500

FME 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.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

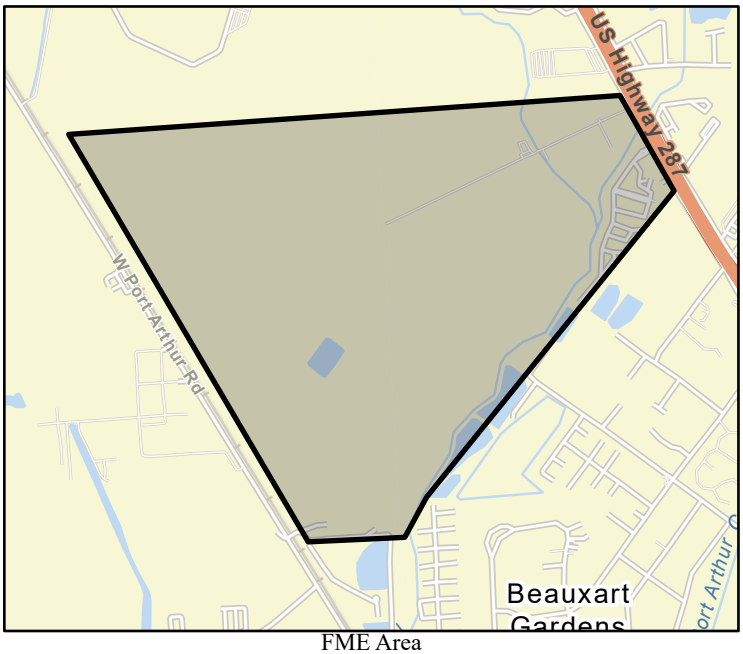
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 1.39 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	245	Structures at Risk	209	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	21.05	Impacted Roadway Miles	1.67
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	1



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Houston Upgrade Pumping Equipment

FME ID: 05-51-0000000103 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $302,500

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

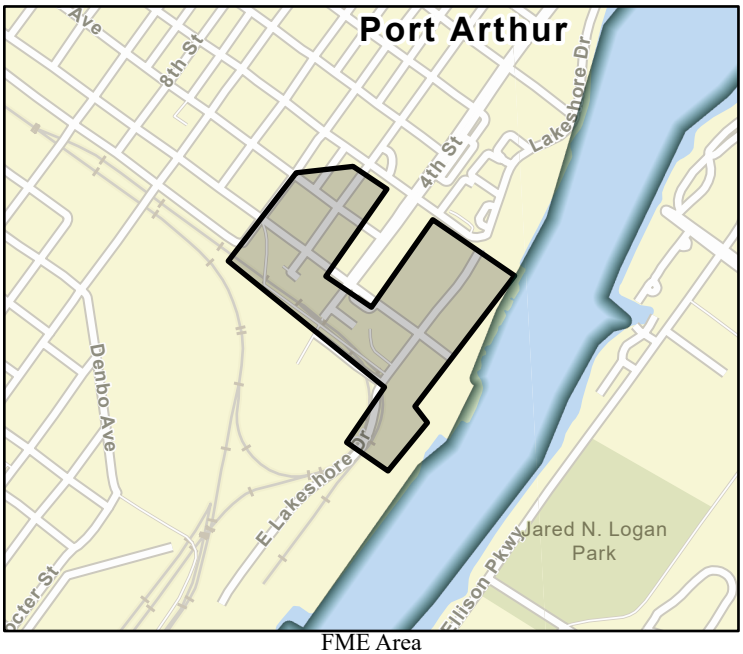
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 0.06 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	282	Structures at Risk	18	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.81
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	3



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Grannis Upgrade Pumping Equipment

FME ID: 05-51-0000000104 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

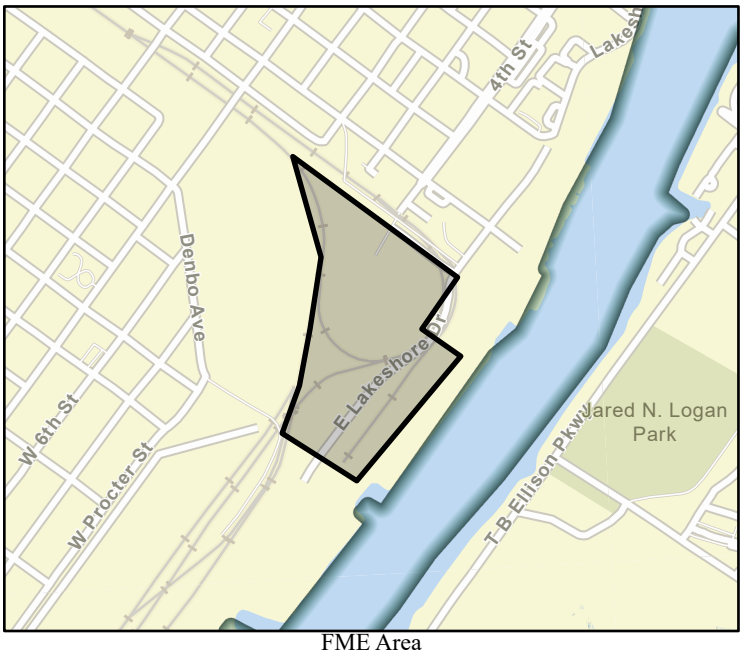
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 0.06 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	33	Structures at Risk	14	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.24
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Foley Upgrade Pumping Equipment

FME ID: 05-51-0000000105 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

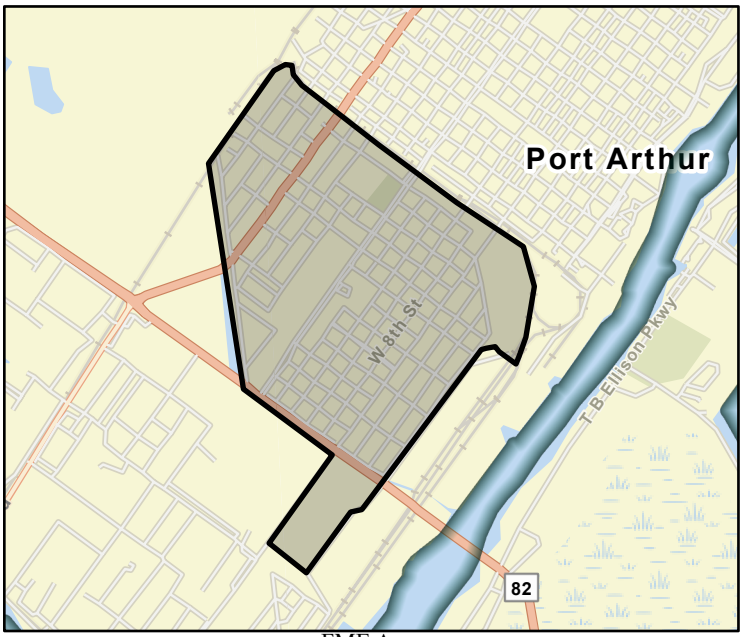
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 1.08 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	1,653	Structures at Risk	987	Critical Facilities at Risk	8
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.21	Impacted Roadway Miles	20.7
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	897



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Lakeside Upgrade Pumping Equipment

FME ID: 05-51-0000000106 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

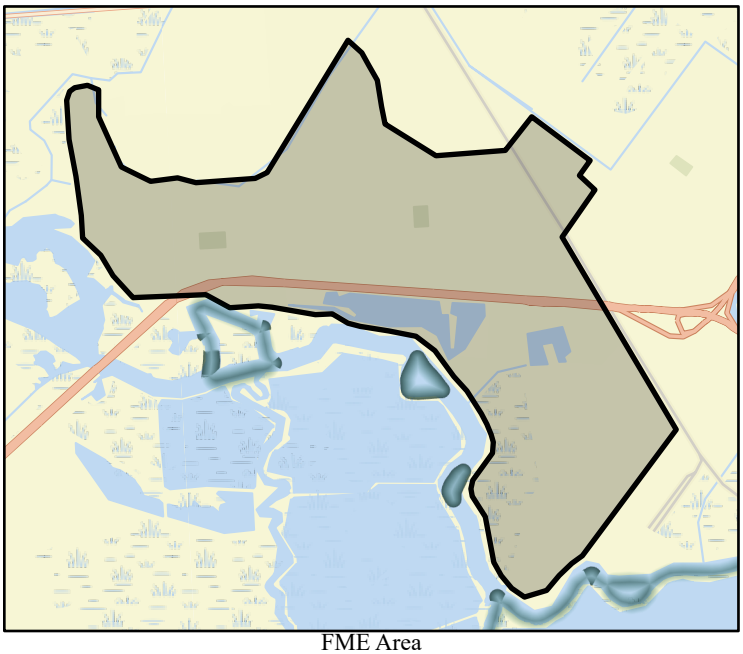
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 4.88 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	1,924	Structures at Risk	1,393	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	5.6	Impacted Roadway Miles	18.69
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	1,245



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Rodair Upgrade Pumping Equipment

FME ID: 05-51-0000000107 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

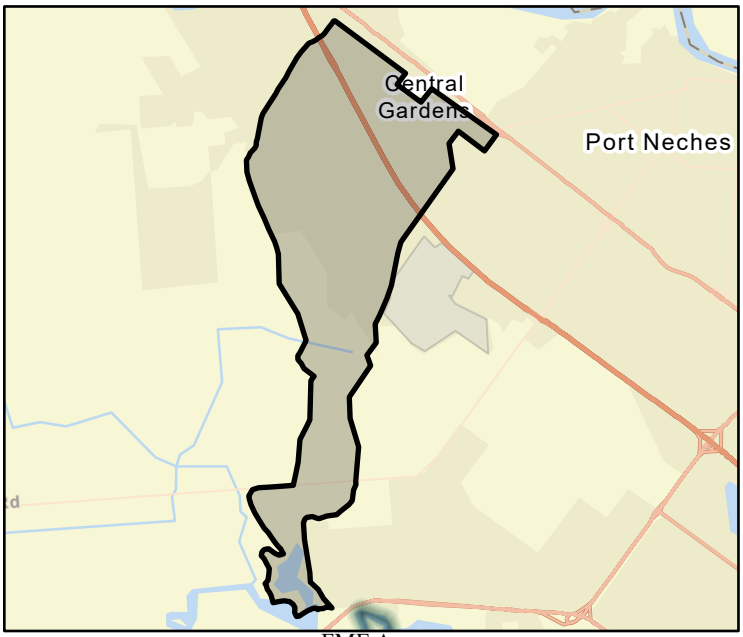
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 11.88 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	4,284	Structures at Risk	1,628	Critical Facilities at Risk	27
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	85.36	Impacted Roadway Miles	21.67
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	1,137



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title 9th Avenue - Upgrade Pumping Equipment

FME ID 05-51-0000000108 Sponsor Entity ID 05-01-0000001585

Sponsor name Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

FME Details

FME Type Project Planning Est. FME Cost $121,000

FME Description H&H study to size pump upgrades and improve existing level of service.

County Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

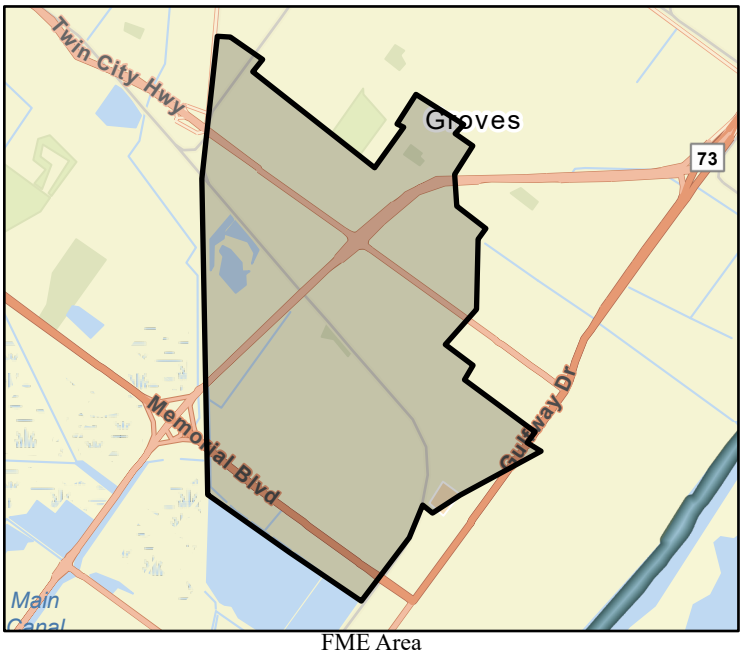
Emergency Need? Yes Emergency Need Description Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi) 5.67 Assumptions/Relevant Context N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area N/A

Population at Risk	11,607	Structures at Risk	4,453	Critical Facilities at Risk	14
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	11.05	Impacted Roadway Miles	63.34
Low Water Crossings	4	Total Historical Road Closures	4	Residential at Risk	3,962



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Halbouty Add two pumps (open spots in structure)

FME ID: 05-51-0000000109 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

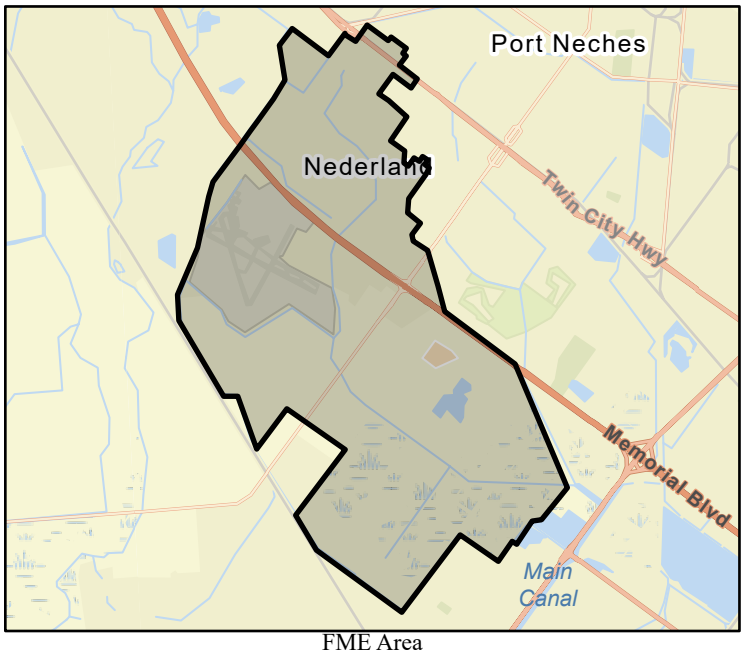
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 12.54 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	8,012	Structures at Risk	2,837	Critical Facilities at Risk	51
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	141.79	Impacted Roadway Miles	49.35
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	2,406



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Rodair Upper Build new station with associated levee

FME ID: 05-51-0000000110 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

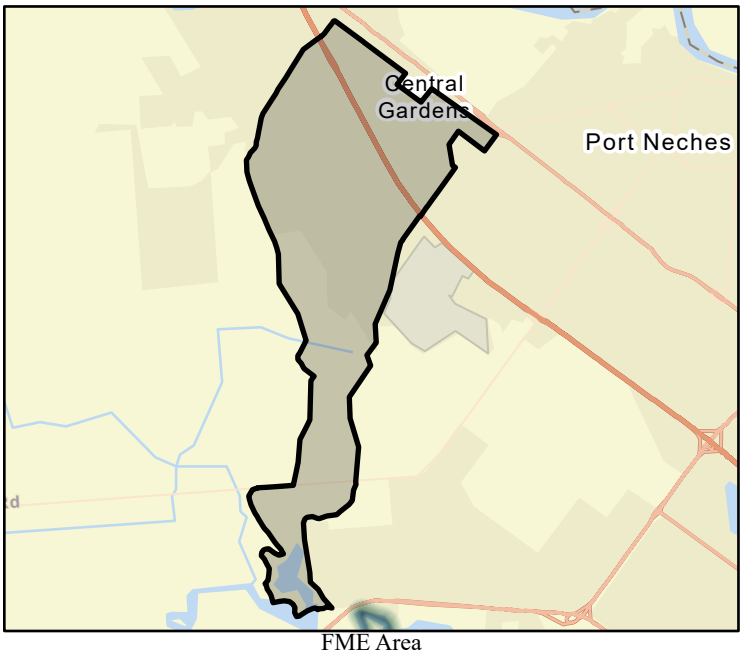
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 11.89 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	4,284	Structures at Risk	1,628	Critical Facilities at Risk	27
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	85.36	Impacted Roadway Miles	21.79
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	1,137



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Main C Diversion - Build New Pump Station and Channel

FME ID: 05-51-0000000111 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

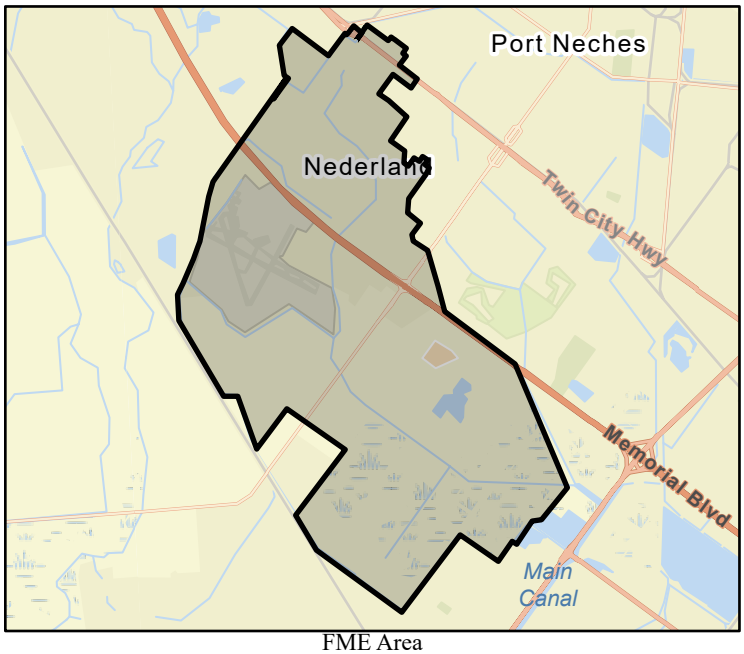
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 12.56 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	8,012	Structures at Risk	2,837	Critical Facilities at Risk	51
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	141.79	Impacted Roadway Miles	49.73
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	2,406



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Central Gardens Ditch - Upgrade Drainage Channel

FME ID: 05-51-0000000113 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $400,000

FME Description: H&H study to identify alternatives for Central Gardens Ditch

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

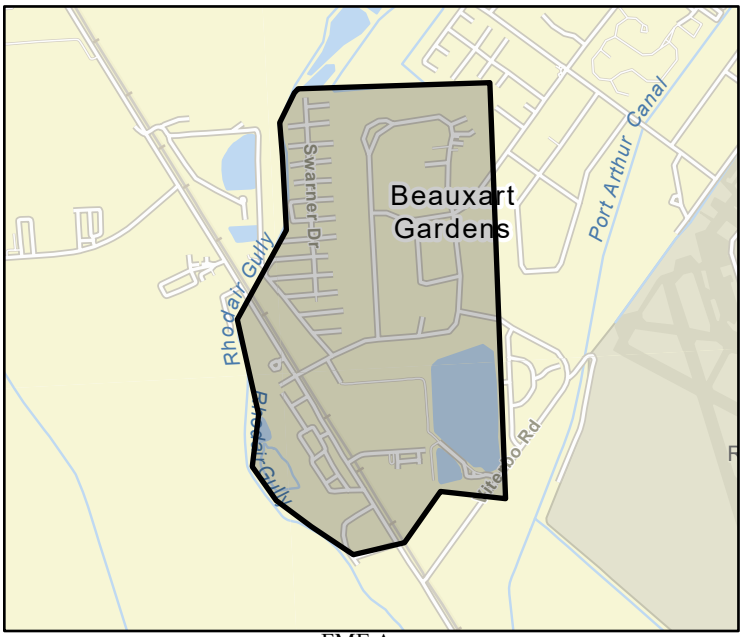
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 0.75 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	466	Structures at Risk	259	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.49	Impacted Roadway Miles	2.92
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	231



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Pure Oil Ditch Improvements

FME ID: 05-51-0000000114 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to identify alternatives for Pure Oil Ditch

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

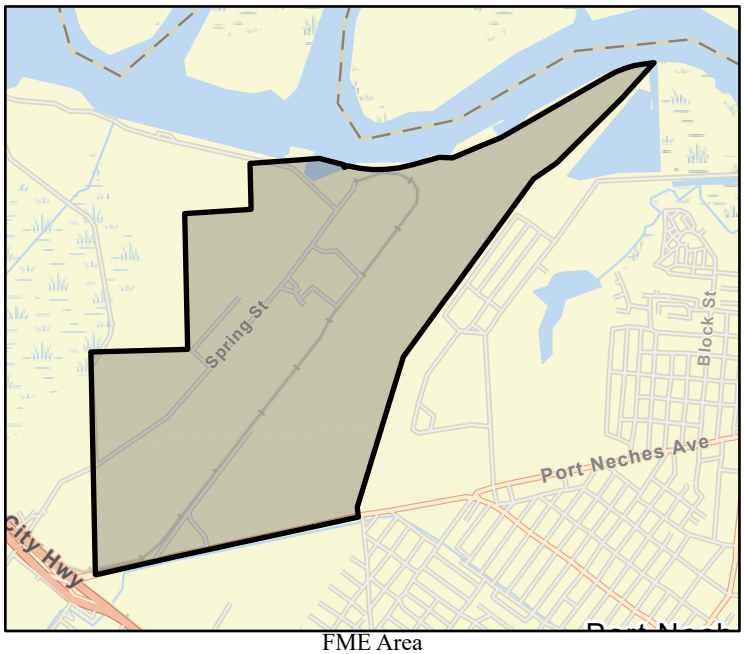
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 1.62 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	83	Structures at Risk	41	Critical Facilities at Risk	41
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.17	Impacted Roadway Miles	0.06
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Rodair Gulley Ditch Improvements

FME ID: 05-51-0000000115 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to identify alternatives for Rodair Gulley

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

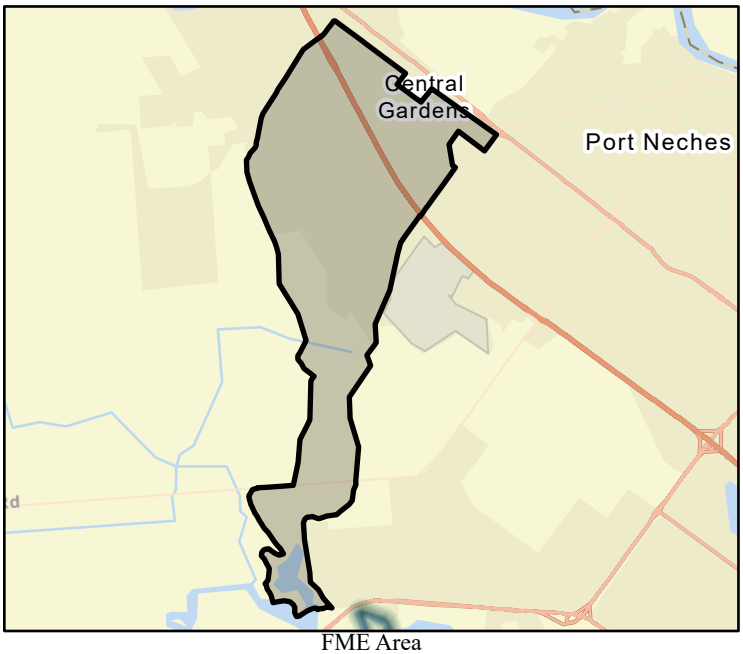
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 11.89 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	4,284	Structures at Risk	1,628	Critical Facilities at Risk	27
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	85.36	Impacted Roadway Miles	21.79
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	1,137



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Main C Diversion Channel Improvements

FME ID: 05-51-0000000116 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to identify alternatives for Main C Diversion Channel

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

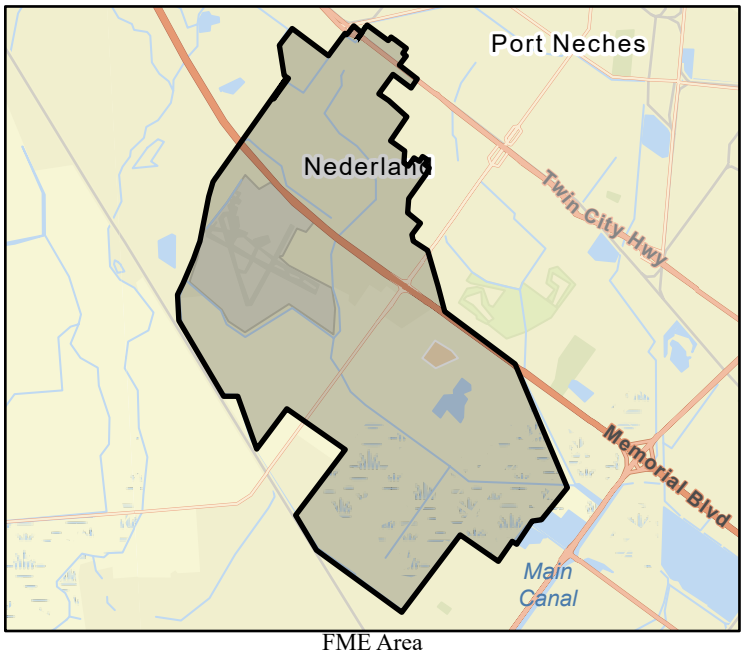
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 12.56 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	8,012	Structures at Risk	2,837	Critical Facilities at Risk	51
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	141.79	Impacted Roadway Miles	49.73
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	2,406



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Main B Channel Improvements

FME ID: 05-51-0000000117 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to identify alternatives for Main B Channel

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

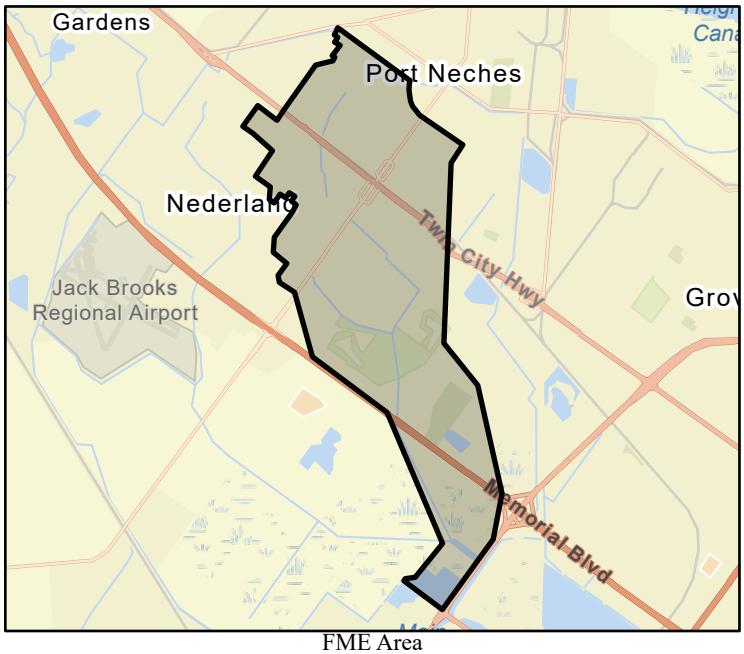
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 6.43 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	12,310	Structures at Risk	3,634	Critical Facilities at Risk	23
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.77	Impacted Roadway Miles	52.94
Low Water Crossings	10	Total Historical Road Closures	10	Residential at Risk	3,215



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Main A Channel Improvements

FME ID: 05-51-0000000118 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to identify alternatives for Main A Channel

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

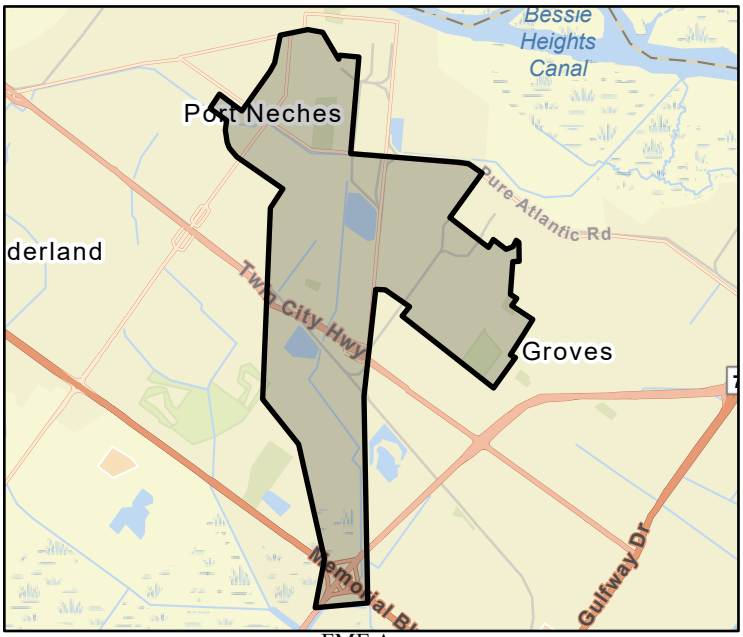
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 6.17 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	4,268	Structures at Risk	1,957	Critical Facilities at Risk	100
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3.74	Impacted Roadway Miles	29.31
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	1,696



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

FME ID: 05-51-0000000119 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to identify additional detention required to expand existing level of service

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

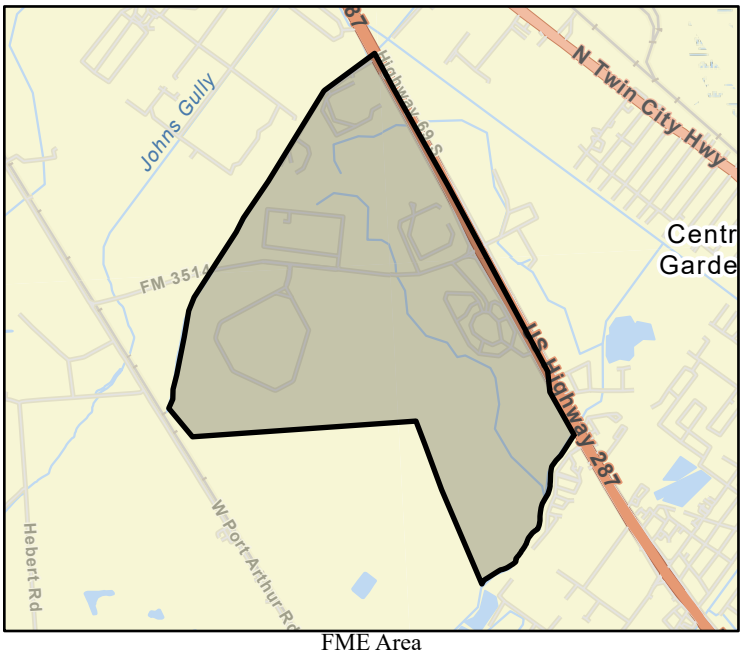
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 2.02 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	736	Structures at Risk	29	Critical Facilities at Risk	14
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	18.94	Impacted Roadway Miles	1
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Halbouty Detention Pond Excavation

FME ID: 05-51-0000000120 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to identify additional detention required to expand existing level of service

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

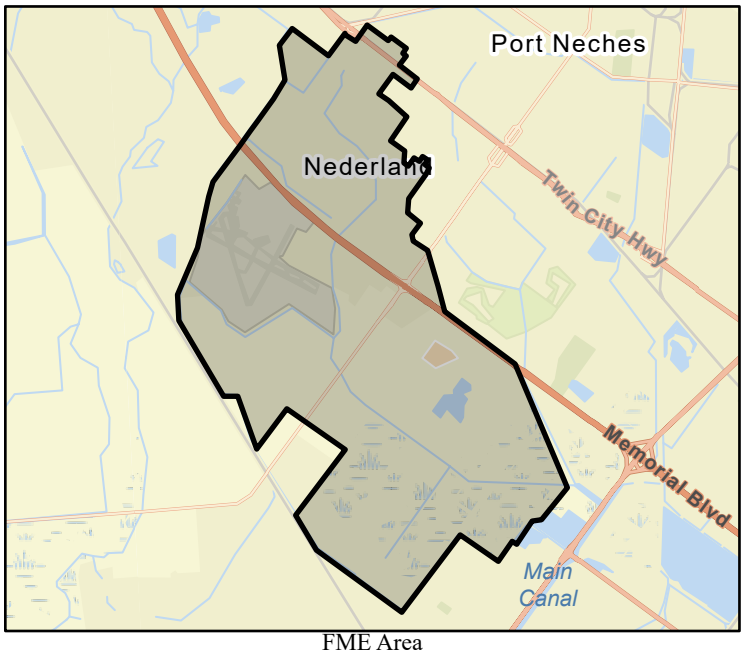
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 12.54 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	8,012	Structures at Risk	2,837	Critical Facilities at Risk	51
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	141.79	Impacted Roadway Miles	49.35
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	2,406



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title 9th Avenue Additional Detention Excavation

FME ID 05-51-0000000121 Sponsor Entity ID 05-01-0000001585

Sponsor name Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

FME Details

FME Type Project Planning Est. FME Cost $121,000

FME Description H&H study to identify additional detention required to improve existing level of service

County Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

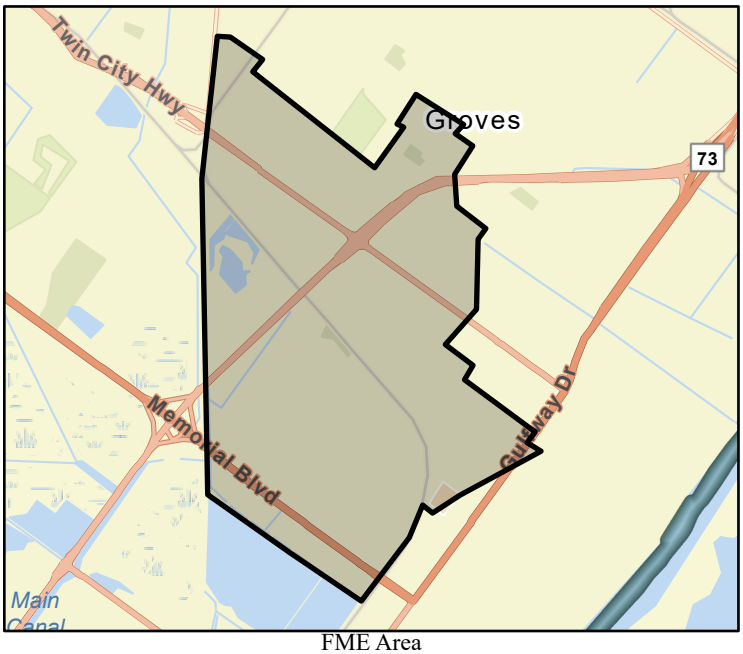
Emergency Need? Yes Emergency Need Description Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi) 5.67 Assumptions/Relevant Context N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area N/A

Population at Risk	11,607	Structures at Risk	4,453	Critical Facilities at Risk	14
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	11.05	Impacted Roadway Miles	63.34
Low Water Crossings	4	Total Historical Road Closures	4	Residential at Risk	3,962



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: JCDD7 Hurricane Flood Protection Levee Study

FME ID: 05-51-0000000123 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $940,170

FME 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.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

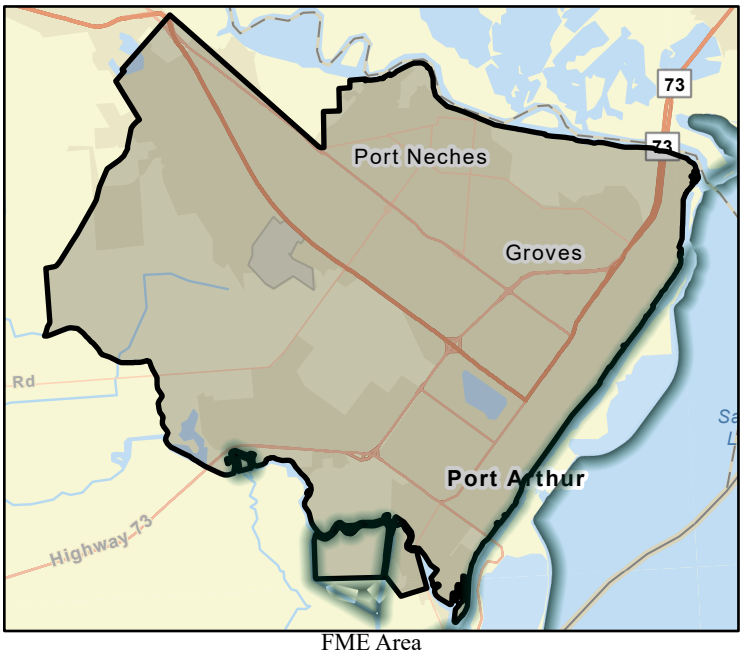
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 112.36 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	73,219	Structures at Risk	34,101	Critical Facilities at Risk	1,366
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	887.86	Impacted Roadway Miles	510.22
Low Water Crossings	33	Total Historical Road Closures	33	Residential at Risk	28,778



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Crane Bayou Channel Improvements

FME ID: 05-51-0000000124 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $1,000,000

FME Description: H&H study to identify alternatives for Crane Bayou Channel

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

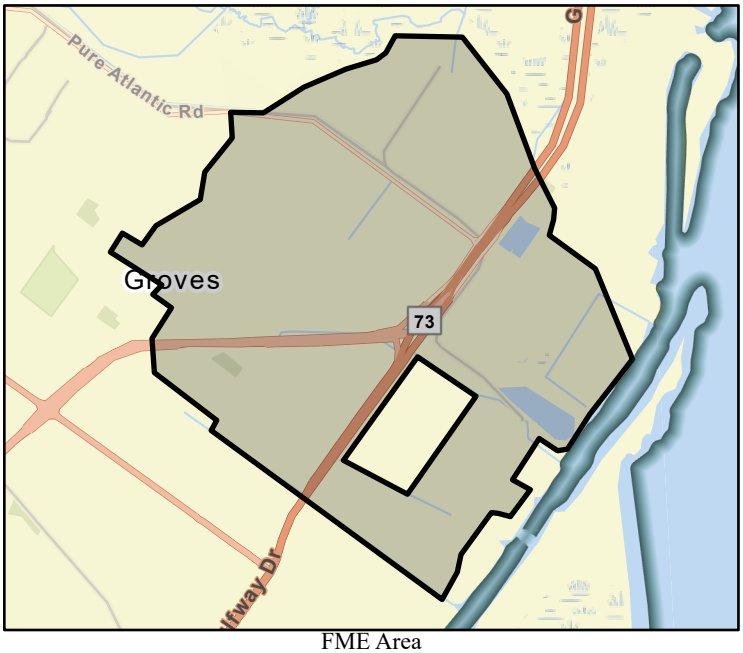
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 6.57 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	7,165	Structures at Risk	3,407	Critical Facilities at Risk	148
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.89	Impacted Roadway Miles	47.15
Low Water Crossings	6	Total Historical Road Closures	6	Residential at Risk	3,009



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Rodair Upper Additional Pump Station

FME ID: 05-51-0000000125 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

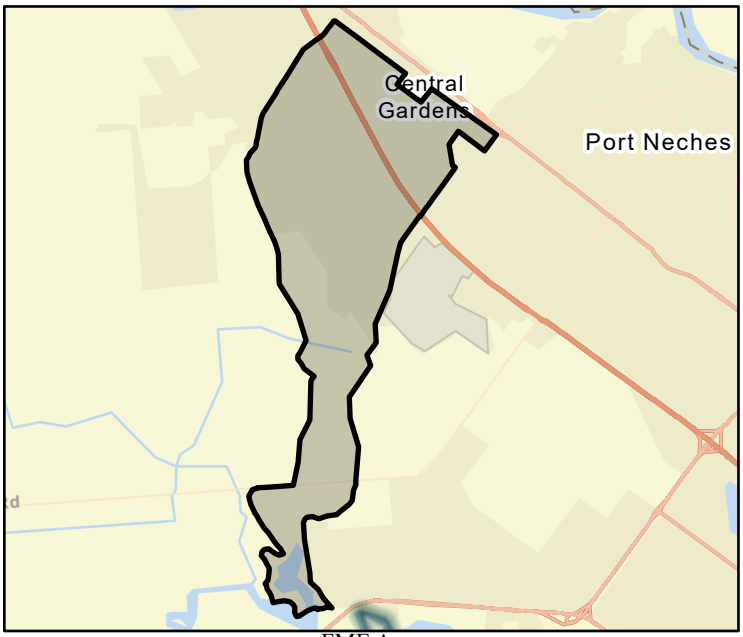
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 11.89 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	4,284	Structures at Risk	1,628	Critical Facilities at Risk	27
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	85.36	Impacted Roadway Miles	21.79
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	1,137



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Rodair Gully System Detention

FME ID: 05-51-0000000128 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to identify additional detention required to expand existing level of service

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

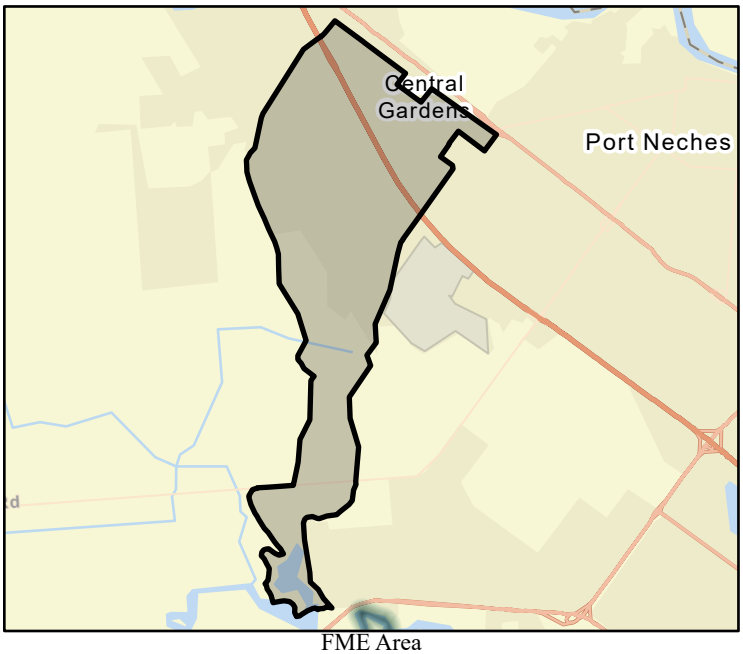
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 11.85 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	4,284	Structures at Risk	1,628	Critical Facilities at Risk	27
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	85.43	Impacted Roadway Miles	21.67
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	1,137



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: El Vista Upgrade Pumping Equipment

FME ID: 05-51-0000000129 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

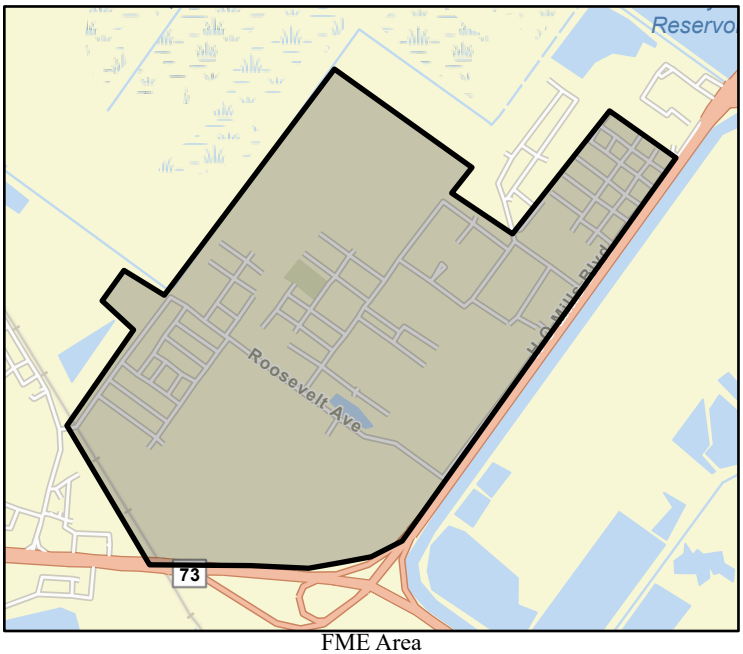
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 1.52 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	784	Structures at Risk	572	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	11.38
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	480



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

FME ID: 05-51-0000000130 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

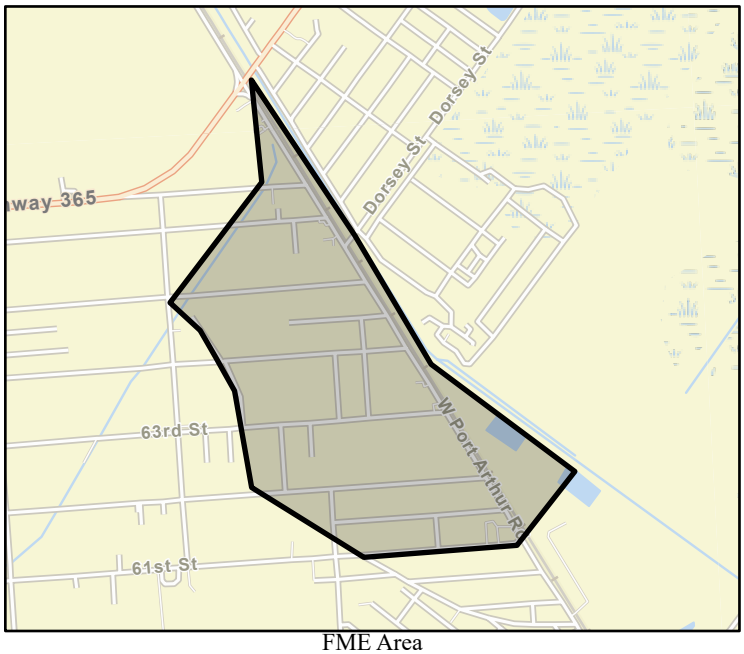
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 0.64 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	747	Structures at Risk	441	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	5.88
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	403



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Central - Upgrade Pumping Equipment and Structure

FME ID: 05-51-0000000131 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

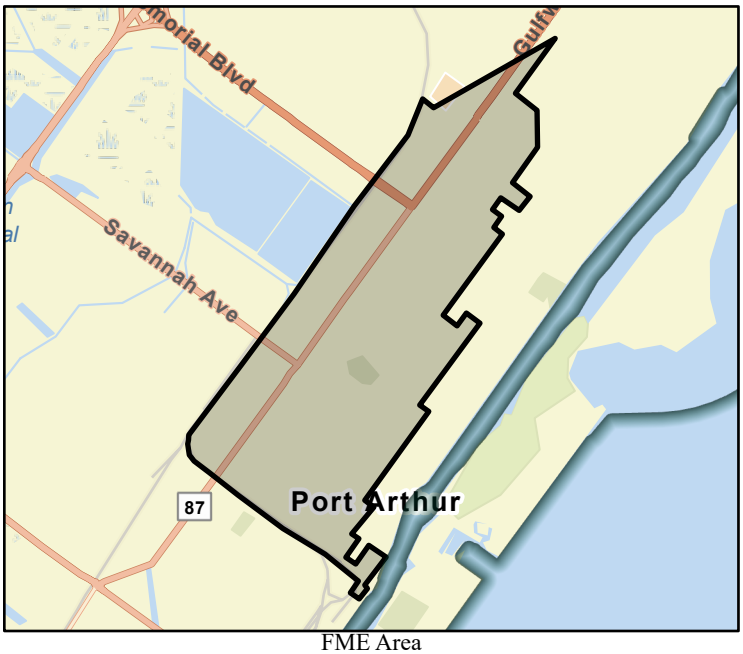
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 2.91 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	7,218	Structures at Risk	4,232	Critical Facilities at Risk	4
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	73.95
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	3,660



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Star Lake Upgrade Pumping Equipment

FME ID: 05-51-0000000132 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

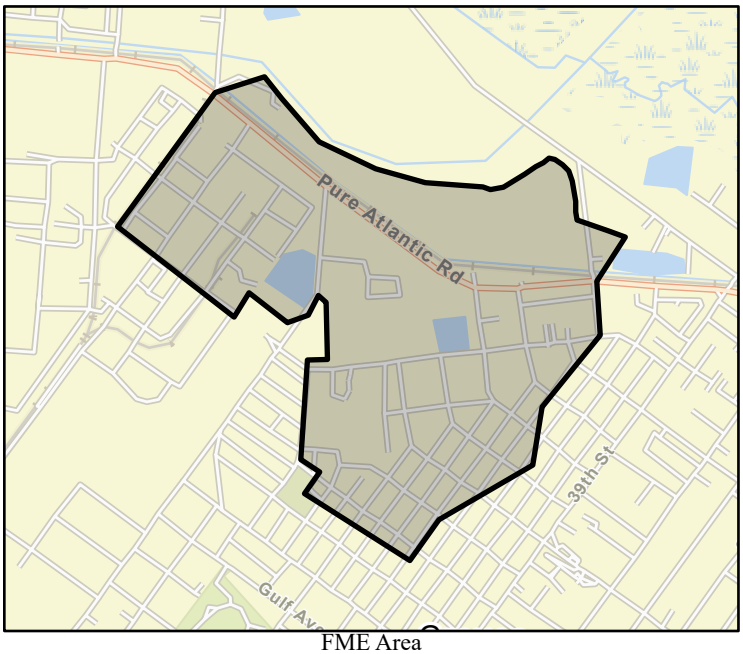
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 1.11 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	651	Structures at Risk	359	Critical Facilities at Risk	28
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.64	Impacted Roadway Miles	3.15
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	302



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Crane Bayou Additional Pumping

FME ID: 05-51-0000000133 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $1,000,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

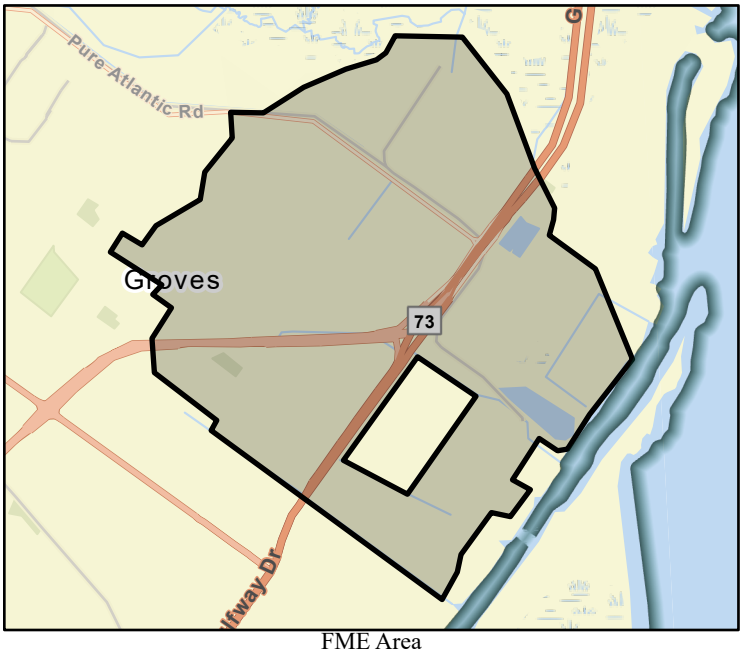
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 6.57 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	7,165	Structures at Risk	3,407	Critical Facilities at Risk	148
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.89	Impacted Roadway Miles	47.15
Low Water Crossings	6	Total Historical Road Closures	6	Residential at Risk	3,009



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Lakeview Additional Pumping

FME ID: 05-51-0000000134 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

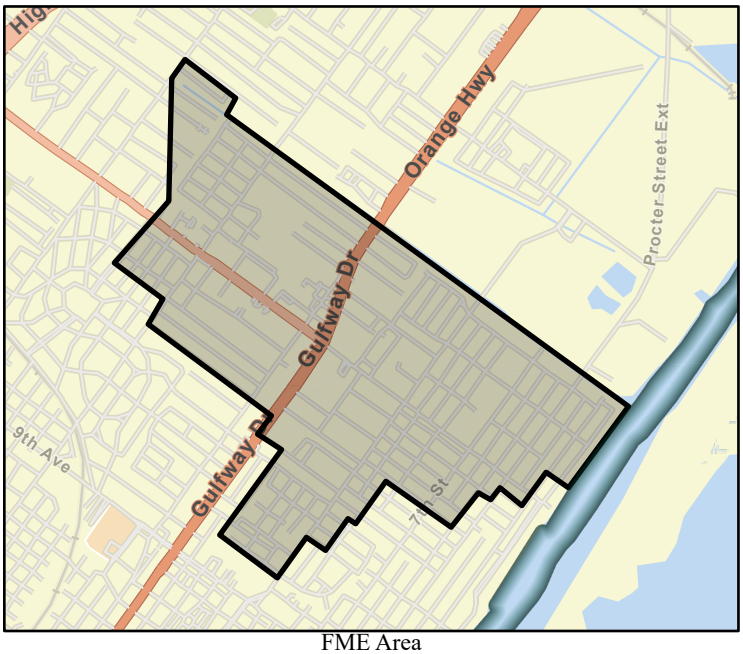
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 1.8 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	6,518	Structures at Risk	2,595	Critical Facilities at Risk	18
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	24.82
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	2,406



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Daisetta Drainage Projects

FME ID: 05-51-0000000135 Sponsor Entity ID: 00-01-0000004019

Sponsor name:

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $181,500

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of drainage improvements throughout the city to include widening culverts and ditches.

County: Liberty Existing/Anticipated Models? Yes New H&H Model? Yes

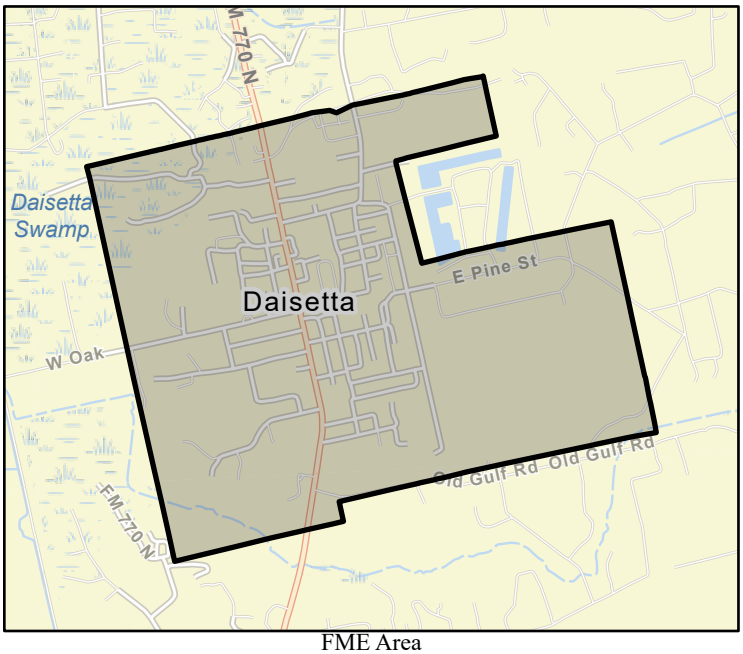
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 1.48 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	73	Structures at Risk	73	Critical Facilities at Risk	3
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	2.15
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	53



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Liberty County Culvert Replacement Project

FME ID: 05-51-0000000136 Sponsor Entity ID: 00-01-0000000033

Sponsor name: Liberty County (County)

RFPG recommend? No Reason for Recommendation: Defer to Trinity Region

FME Details

FME Type: Project Planning Est. FME Cost: $121,790

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of increasing culvert size in identified flood hazard problem areas within Liberty County.

County: Liberty Existing/Anticipated Models? Yes New H&H Model? Yes

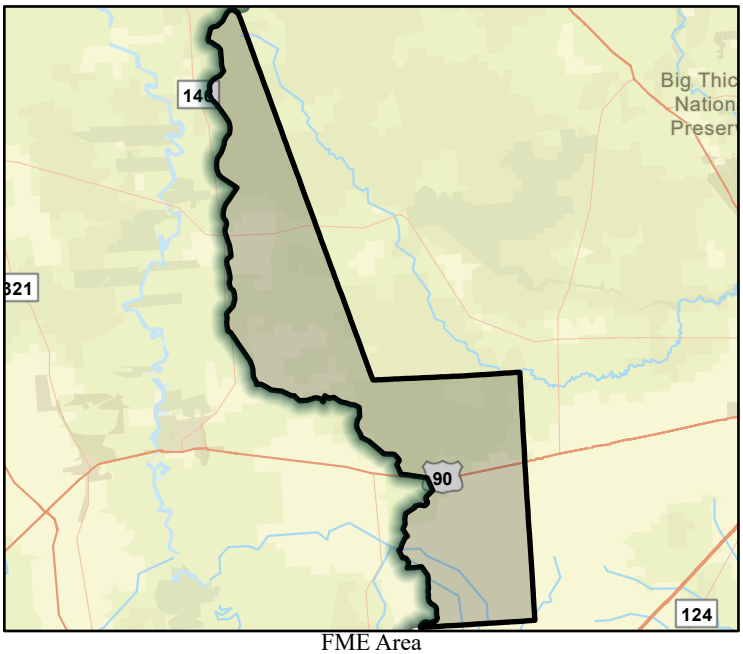
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 236.4 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	999	Structures at Risk	757	Critical Facilities at Risk	9
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3,795.9	Impacted Roadway Miles	36.96
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	515



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Liberty County Recanalization Feasibility Study

FME ID: 05-51-0000000137 Sponsor Entity ID: 00-01-0000000033

Sponsor name: Liberty County (County)

RFPG recommend? No Reason for Recommendation: Defer to Trinity Region

FME Details

FME Type: Project Planning Est. FME Cost: $31,670

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of dechannelizing existing feeder creeks that flow from north to south and improve drainage for storm water runoff.

County: Liberty Existing/Anticipated Models? Yes New H&H Model? Yes

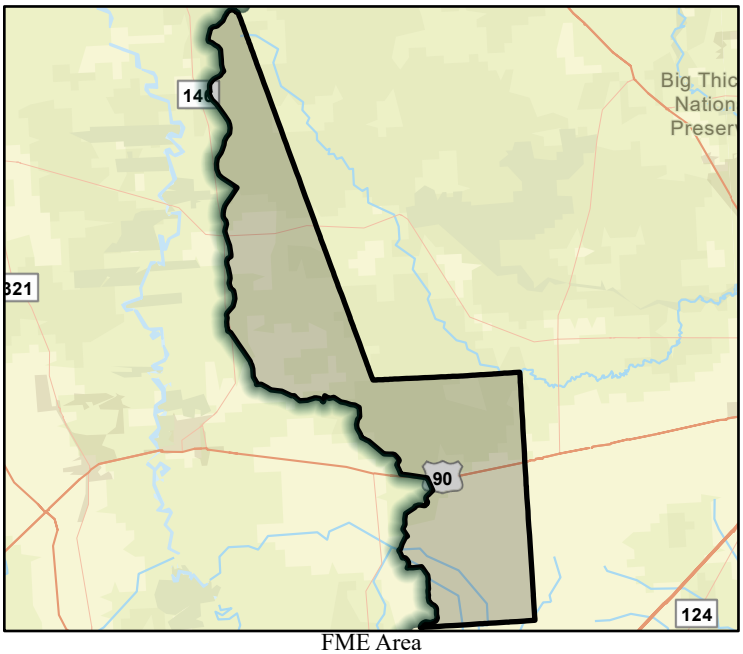
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 236.4 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	999	Structures at Risk	757	Critical Facilities at Risk	9
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3,795.9	Impacted Roadway Miles	36.96
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	515



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Stadium Upgrade Pumping Equipment

FME ID: 05-51-0000000138 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

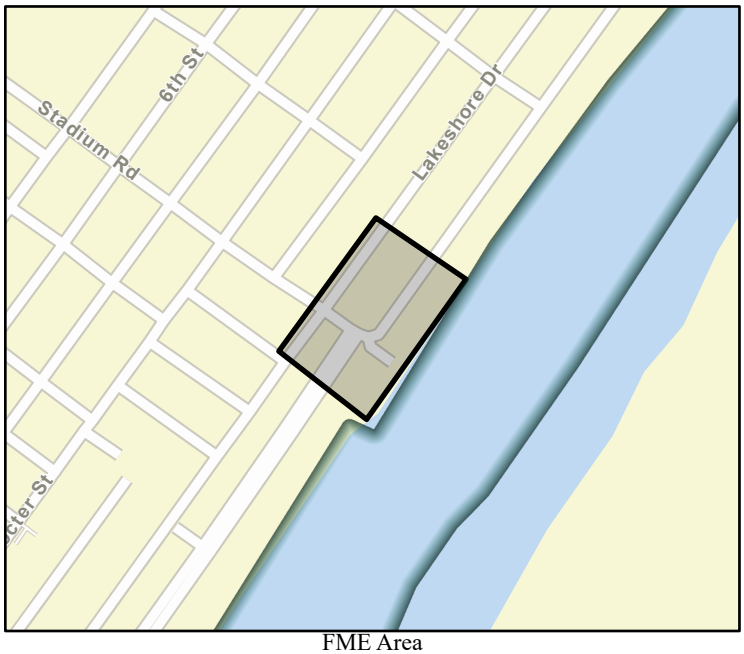
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 0.02 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	148	Structures at Risk	36	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.33
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	36



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Delmar Upgrade Pumping Equipment

FME ID: 05-51-0000000139 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

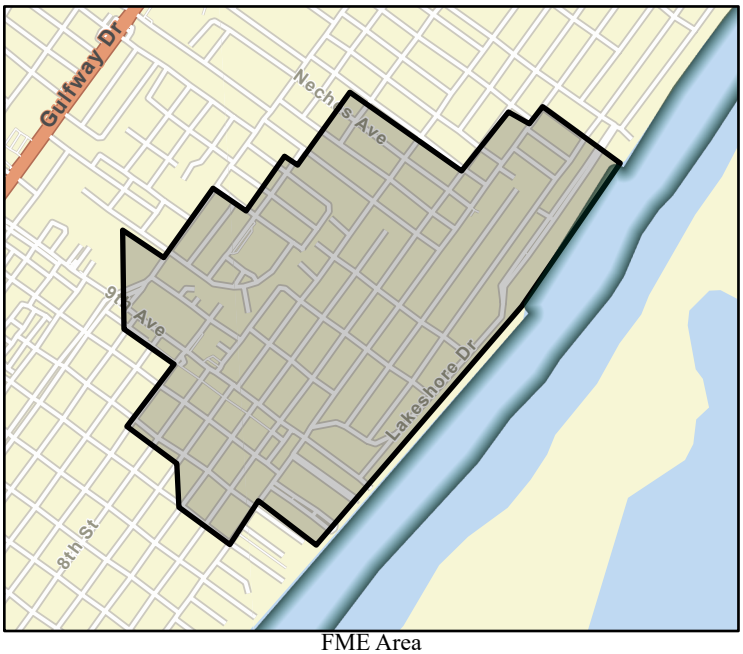
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 0.67 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	3,433	Structures at Risk	1,348	Critical Facilities at Risk	3
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	13.76
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	1,286



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: DeQueen Additional Pumping Equipment

FME ID: 05-51-0000000140 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

FME Description: H&H study to size pump upgrades and improve existing level of service.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

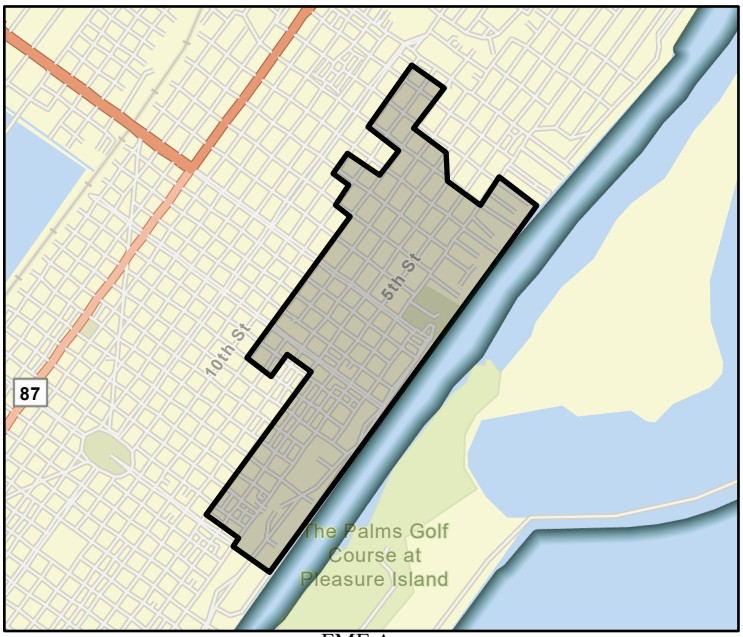
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 0.72 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	1,535	Structures at Risk	637	Critical Facilities at Risk	2
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	12.92
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	541



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Tyrrell Park Detention

FME ID: 05-51-0000000143 Sponsor Entity ID: 05-01-0000001731

Sponsor name: Jefferson County Drainage District 6 (Flood District)

RFPG recommend? No Reason for Recommendation: -

FME Details

FME Type: Project Planning Est. FME Cost: $605,000

FME Description: Install a detention pond in the vicinity of Tyrrell Park Rd. within the city of Beaumont.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

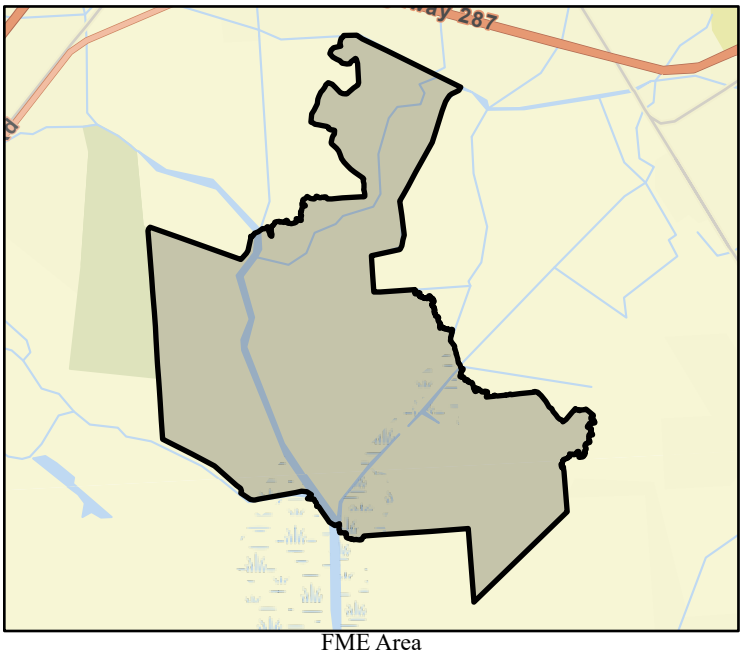
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 4.91 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	8	Structures at Risk	19	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	384.92	Impacted Roadway Miles	2.29
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	11



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Mayhaw Lateral Improvements

FME ID: 05-51-0000000144 Sponsor Entity ID: 05-01-0000001731

Sponsor name: Jefferson County Drainage District 6 (Flood District)

RFPG recommend? No Reason for Recommendation: -

FME Details

FME Type: Project Planning Est. FME Cost: $2,662,000

FME Description: Rectify negative impacts to properties downstream of IH-10 caused by additional drainage crossings

County: Multiple Existing/Anticipated Models? Yes New H&H Model? Yes

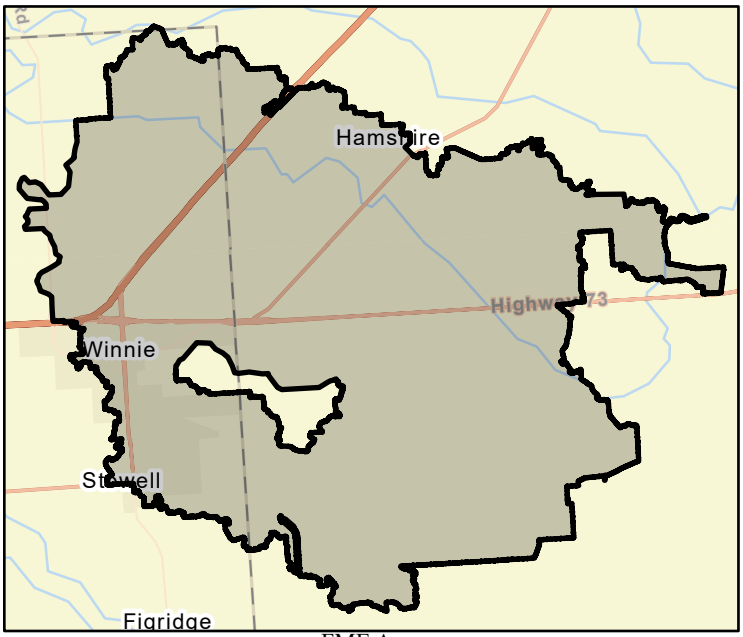
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 46.78 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	2,502	Structures at Risk	2,060	Critical Facilities at Risk	2
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	2,660.38	Impacted Roadway Miles	50.2
Low Water Crossings	6	Total Historical Road Closures	6	Residential at Risk	1,257



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Feasibility Assessment for Increase in Size of Culverts and Railroad Trestles on Major Drainage Structures Throughout Orange County

FME ID: 05-51-0000000145 Sponsor Entity ID: 00-01-0000000512

Sponsor name: Orange County Drainage District (Flood District)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Project Planning Est. FME Cost: $181,500

FME Description: H&H Study to analyze most efficient alternatives for dredging, widening, or otherwise improving culverts and railroad trestles within Orange County.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

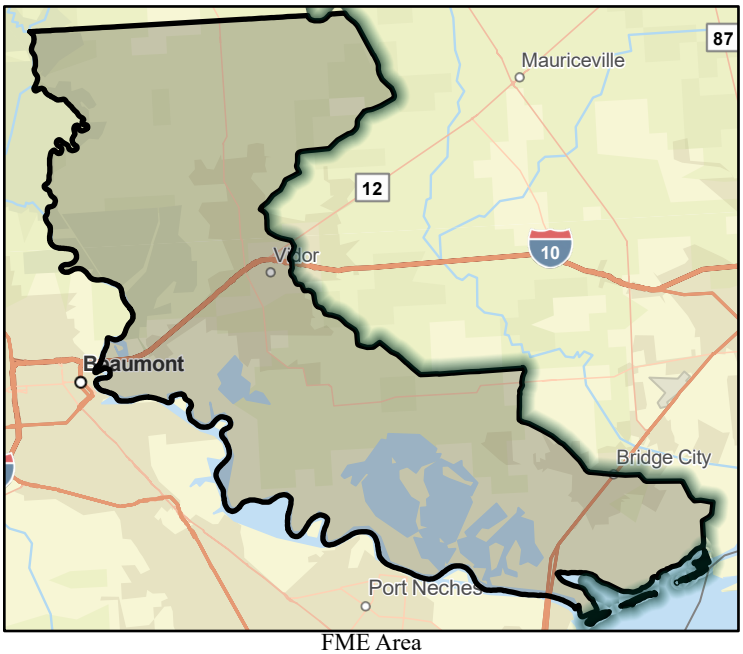
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 156.33 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	14,367	Structures at Risk	8,194	Critical Facilities at Risk	96
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	240.89	Impacted Roadway Miles	207.41
Low Water Crossings	26	Total Historical Road Closures	26	Residential at Risk	7,032



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

FME ID: 05-51-0000000146 Sponsor Entity ID: 00-01-0000000512

Sponsor name: Orange County Drainage District (Flood District)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

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

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

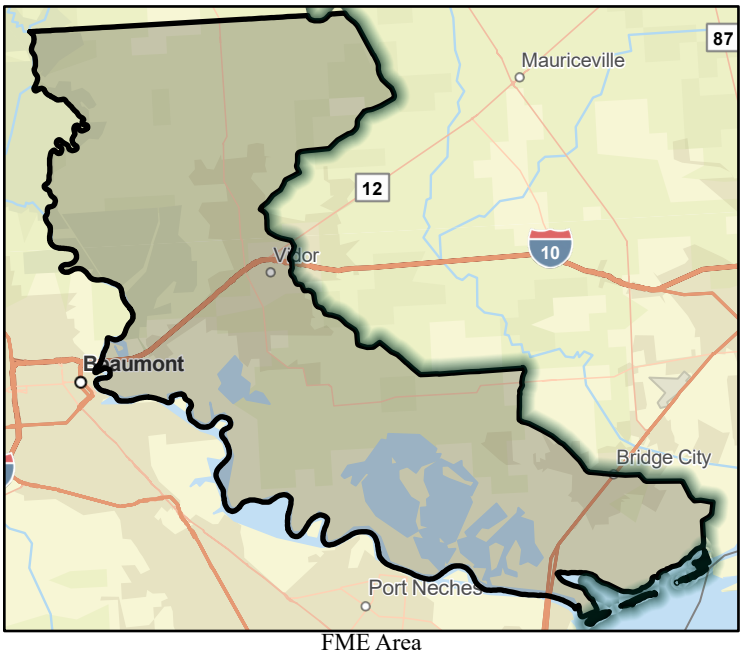
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 156.33 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	14,367	Structures at Risk	8,194	Critical Facilities at Risk	96
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	240.89	Impacted Roadway Miles	207.41
Low Water Crossings	26	Total Historical Road Closures	26	Residential at Risk	7,032



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Orange County DD Harvey Repairs

FME ID: 05-51-0000000147 Sponsor Entity ID: 00-01-0000000512

Sponsor name: Orange County Drainage District (Flood District)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Project Planning Est. FME Cost: $157,300

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of repairing damage to drainage ditches, crossings, culverts, levees, and right-of-ways caused by Hurricane Harvey to restore pre-flood capacity.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

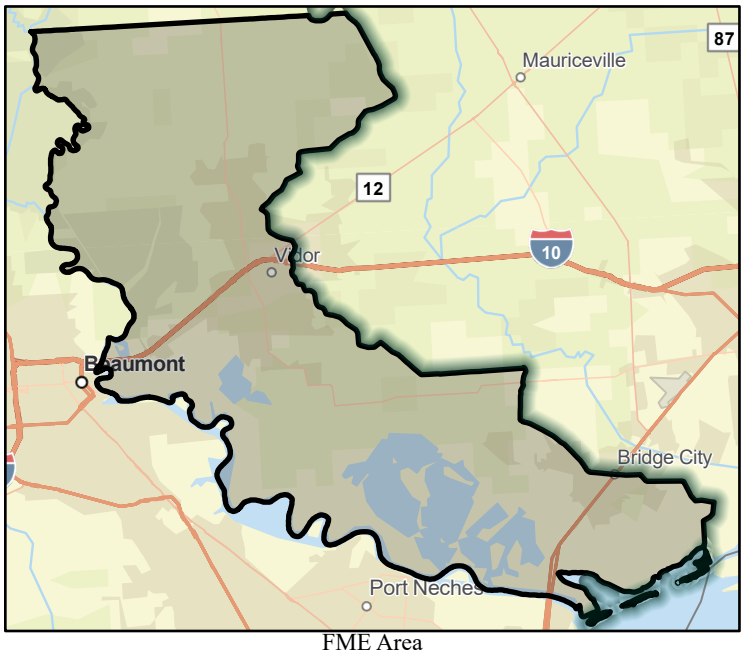
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 156.33 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	14,367	Structures at Risk	8,194	Critical Facilities at Risk	96
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	240.89	Impacted Roadway Miles	207.41
Low Water Crossings	26	Total Historical Road Closures	26	Residential at Risk	7,032



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Orange County DD SW Detention/Retention Facilities

FME ID: 05-51-0000000148 Sponsor Entity ID: 00-01-0000000512

Sponsor name: Orange County Drainage District (Flood District)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Project Planning Est. FME Cost: $157,300

FME Description: Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of stormwater detention/retention facilities throughout OCDD.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

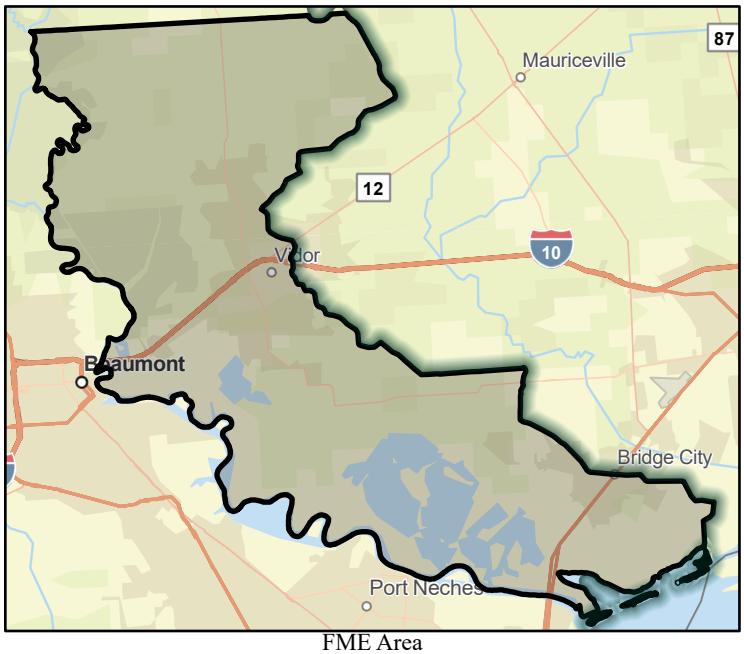
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 156.33 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	14,367	Structures at Risk	8,194	Critical Facilities at Risk	96
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	240.89	Impacted Roadway Miles	207.41
Low Water Crossings	26	Total Historical Road Closures	26	Residential at Risk	7,032



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Feasibility Assessment of Widening and Deepening Segments of Tiger Creek

FME ID: 05-51-0000000149 Sponsor Entity ID: 00-01-0000000512

Sponsor name: Orange County Drainage District (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $181,500

FME Description: H&H Study to analyze most efficient alternatives for constructing improvements to segments of Tiger Creek.

County: Multiple Existing/Anticipated Models? Yes New H&H Model? Yes

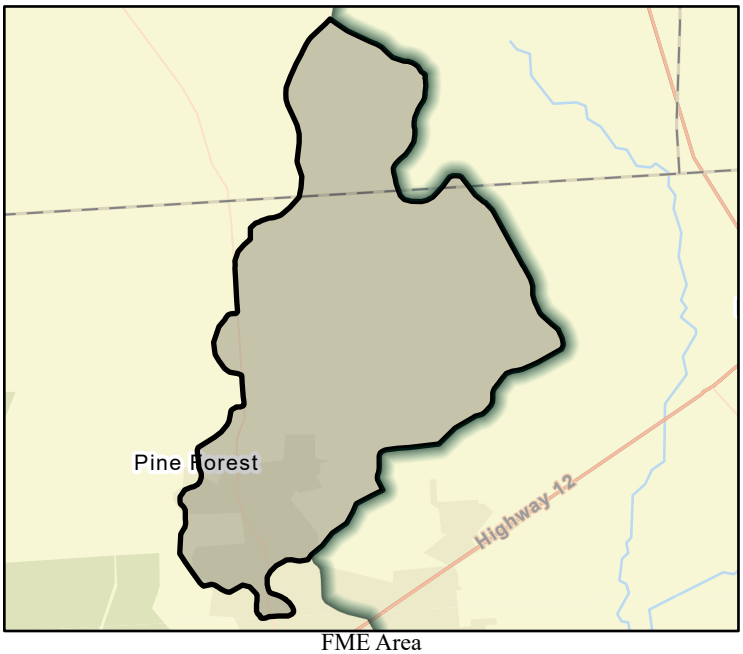
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 27.89 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	2,078	Structures at Risk	1,351	Critical Facilities at Risk	3
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	8.7	Impacted Roadway Miles	30.86
Low Water Crossings	5	Total Historical Road Closures	5	Residential at Risk	1,200



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

FME ID: 05-51-0000000150 Sponsor Entity ID: 00-01-0000000512

Sponsor name: Orange County Drainage District (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $121,000

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

County: Multiple Existing/Anticipated Models? Yes New H&H Model? Yes

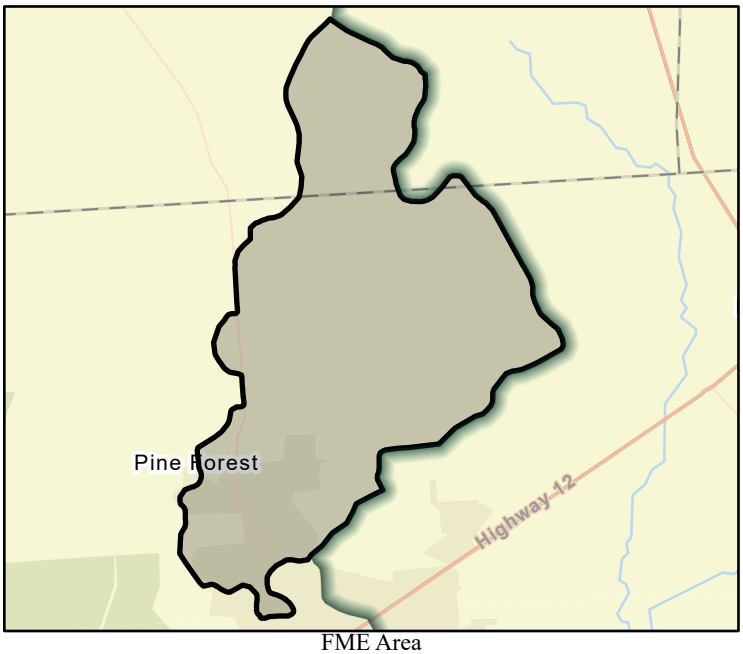
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 27.89 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	2,078	Structures at Risk	1,351	Critical Facilities at Risk	3
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	8.7	Impacted Roadway Miles	30.86
Low Water Crossings	5	Total Historical Road Closures	5	Residential at Risk	1,200



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Feasibility Assessment of Widening and Deepening Segments of Ten-Mile Creek

FME ID: 05-51-0000000151 Sponsor Entity ID: 00-01-0000000512

Sponsor name: Orange County Drainage District (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $211,750

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

County: Multiple Existing/Anticipated Models? Yes New H&H Model? Yes

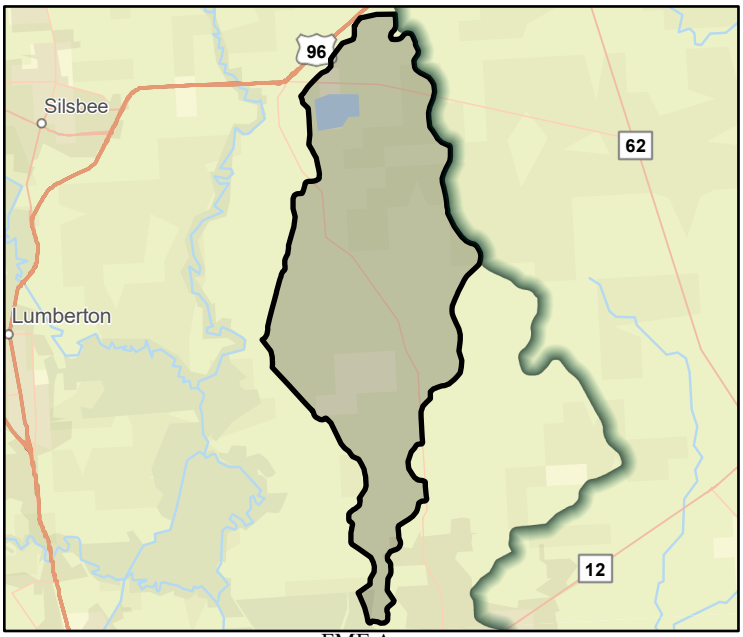
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 46.12 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	946	Structures at Risk	556	Critical Facilities at Risk	10
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	20.19	Impacted Roadway Miles	20.15
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	449



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Feasibility Assessment of Widening and Deepening Segments of Anderson Gully

FME ID: 05-51-0000000152 Sponsor Entity ID: 00-01-0000000512

Sponsor name: Orange County Drainage District (Flood District)

RFPG recommend? No Reason for Recommendation: -

FME Details

FME Type: Project Planning Est. FME Cost: $393,250

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

County: Multiple Existing/Anticipated Models? Yes New H&H Model? Yes

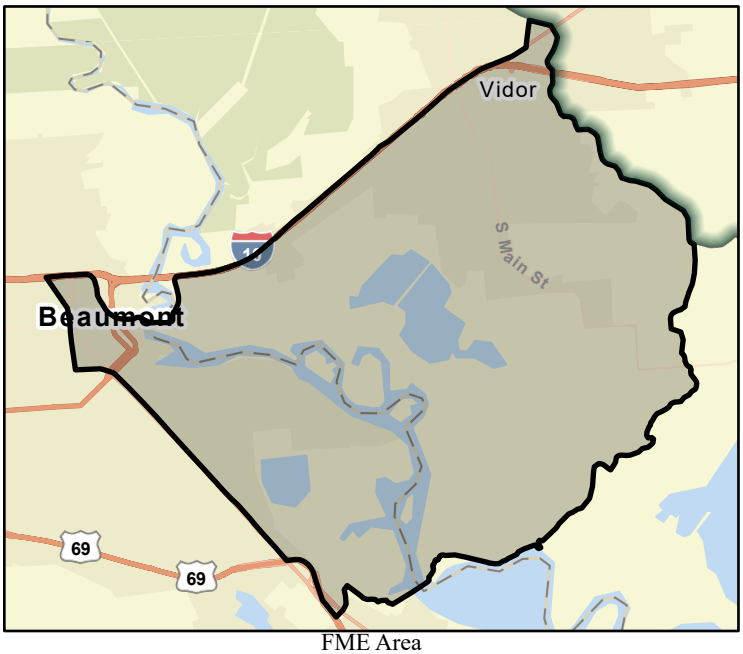
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 41.77 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	17,843	Structures at Risk	3,694	Critical Facilities at Risk	395
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	83.19	Impacted Roadway Miles	112.38
Low Water Crossings	12	Total Historical Road Closures	12	Residential at Risk	2,577



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Bullard Culvert Upgrades

FME ID: 05-51-0000000153 Sponsor Entity ID: 05-01-0000002672

Sponsor name: Bullard (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $60,500

FME Description: Study to evaluate existing culverts for current condition and identify culverts that need to be upgraded.

County: Smith Existing/Anticipated Models? Yes New H&H Model? Yes

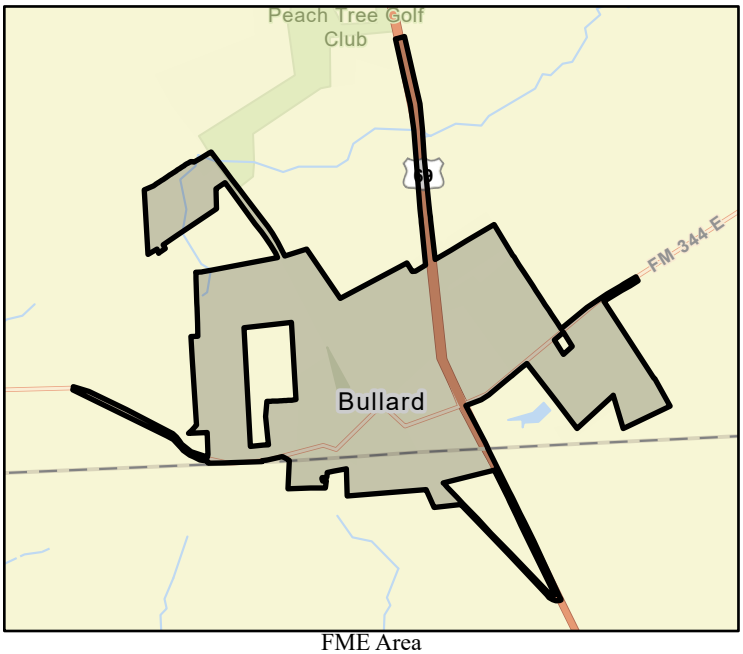
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 3.36 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	42	Structures at Risk	32	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.18	Impacted Roadway Miles	1.45
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	25



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Smith County Drainage Capacity Upgrades

FME ID: 05-51-0000000154 Sponsor Entity ID: 00-01-0000000106

Sponsor name: Smith County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $272,250

FME Description: Study to evaluate existing culverts within Smith County and identify culverts that need to be upgraded.

County: Smith Existing/Anticipated Models? Yes New H&H Model? Yes

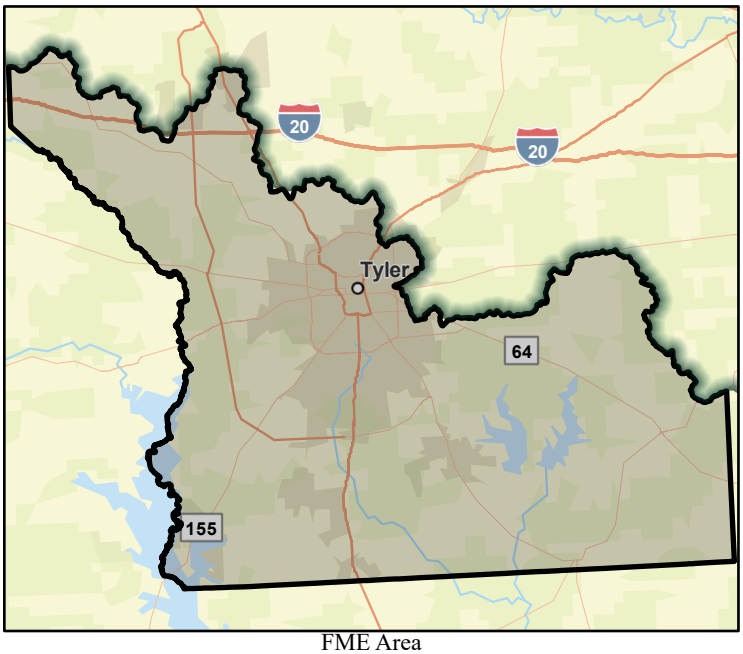
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 511.59 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	27,828	Structures at Risk	6,057	Critical Facilities at Risk	104
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	93.31	Impacted Roadway Miles	165.66
Low Water Crossings	50	Total Historical Road Closures	50	Residential at Risk	3,784



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Bridge City Drainage Outfall Improvement Project

FME ID: 05-51-0000000155 Sponsor Entity ID: 00-01-0000000512

Sponsor name: Orange County Drainage District (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $242,000

FME Description: Improve and extend three major drainage ditches and extend a neighborhood outfall to reduce structural flooding in residences within the area.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

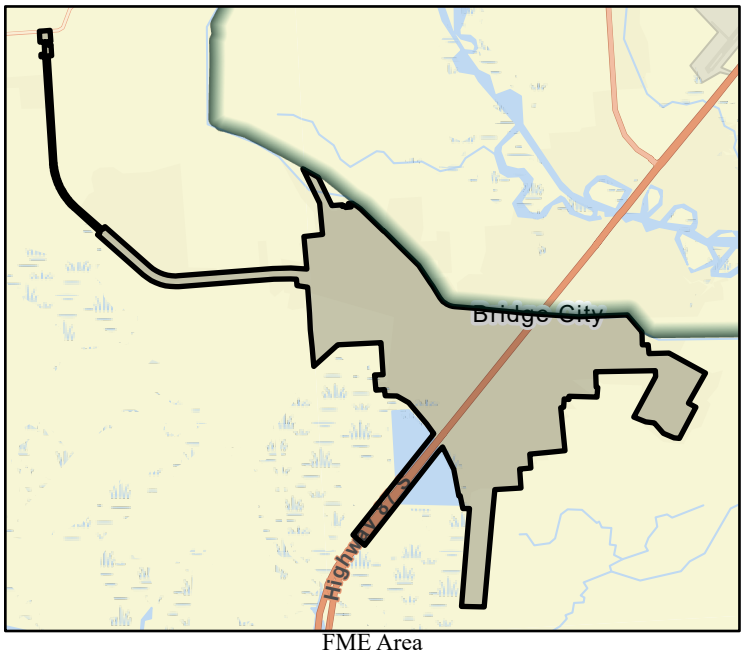
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 4.28 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	3,486	Structures at Risk	1,953	Critical Facilities at Risk	6
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.06	Impacted Roadway Miles	38.33
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	1,688



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Colonial Outfall Ditch Culvert Improvements

FME ID: 05-51-0000000156 Sponsor Entity ID: 00-01-0000000512

Sponsor name: Orange County Drainage District (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $242,000

FME Description: H&H Study to analyze most efficient alternatives to install new culverts along FM 1442 (Bridge City) at Colonial Outfall Ditch.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

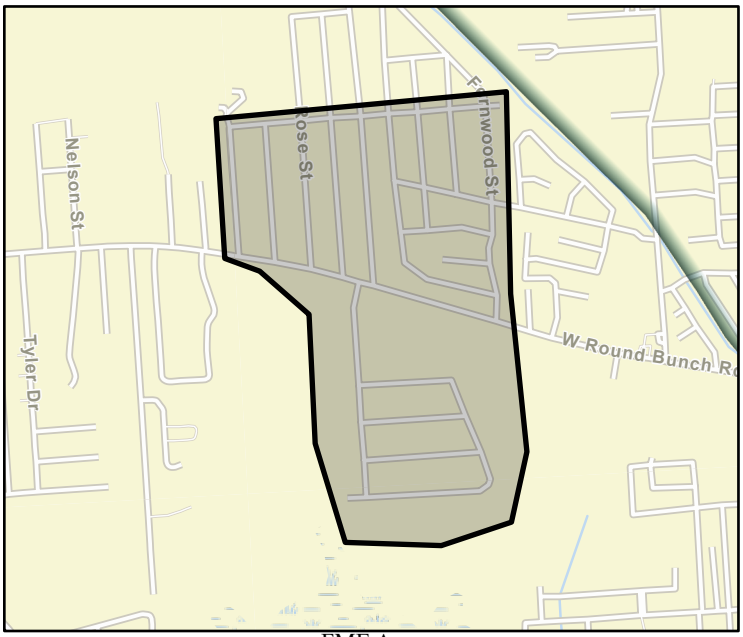
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 0.54 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	915	Structures at Risk	199	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	5.06
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	191



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Beaumont Drainage Studies

FME ID: 05-51-0000000157 Sponsor Entity ID: 05-01-0000002769

Sponsor name: Beaumont (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $143,690

FME Description: Drainage study to evaluate new storm water and sanitary sewer lines associated with reconstruction of key areas in the city to reduce localized flooding issues.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

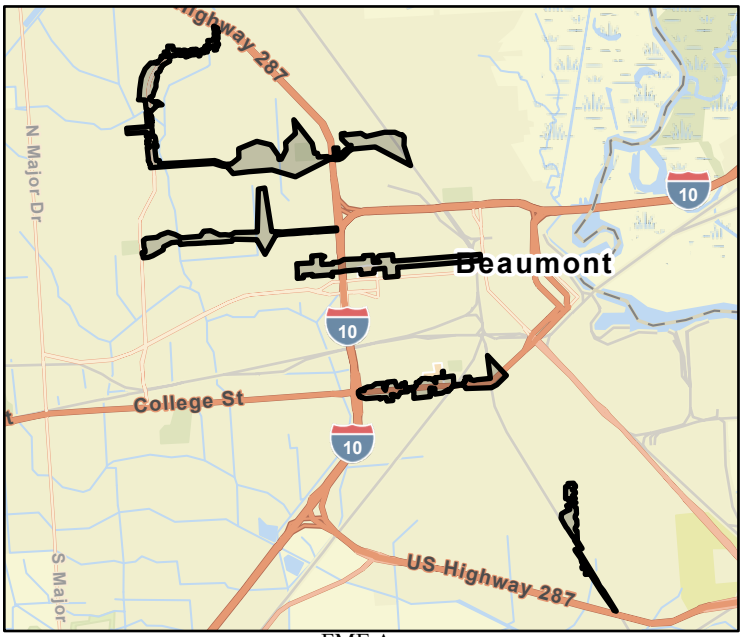
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 1.32 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	6,064	Structures at Risk	922	Critical Facilities at Risk	9
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	19.6
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	718



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Calder Diversion Connections

FME ID: 05-51-0000000161 Sponsor Entity ID: 05-01-0000001731

Sponsor name: Jefferson County Drainage District 6 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $90,750

FME Description: Evaluate sub-surface diversion primarily located along Calder Avenue that discharges into the Neches River.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

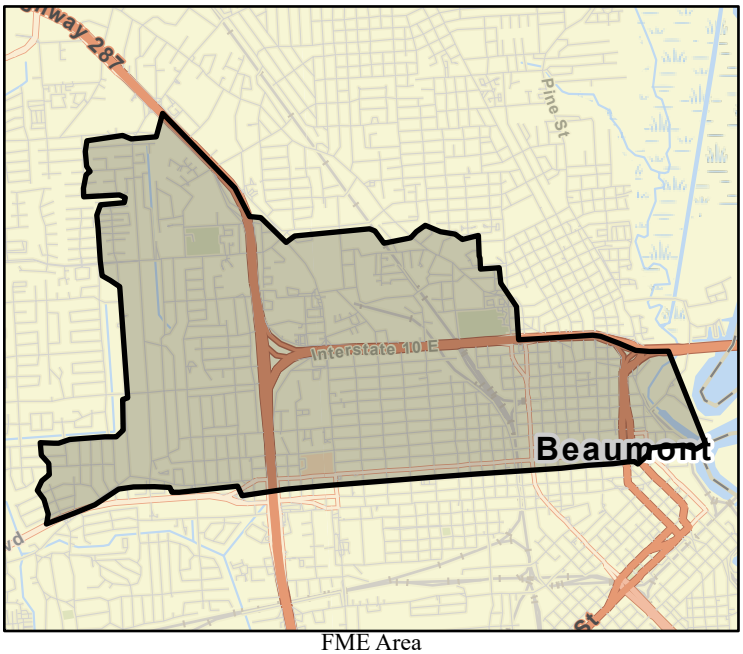
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 4.55 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	18,264	Structures at Risk	2,929	Critical Facilities at Risk	18
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	70.28
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	2,407



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Needmore Diversion

FME ID: 05-51-0000000162 Sponsor Entity ID: 05-01-0000001731

Sponsor name: Jefferson County Drainage District 6 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $90,750

FME Description: Evaluate a diversion channel from downstream of Lower Mayhaw Bayou to Needmore

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

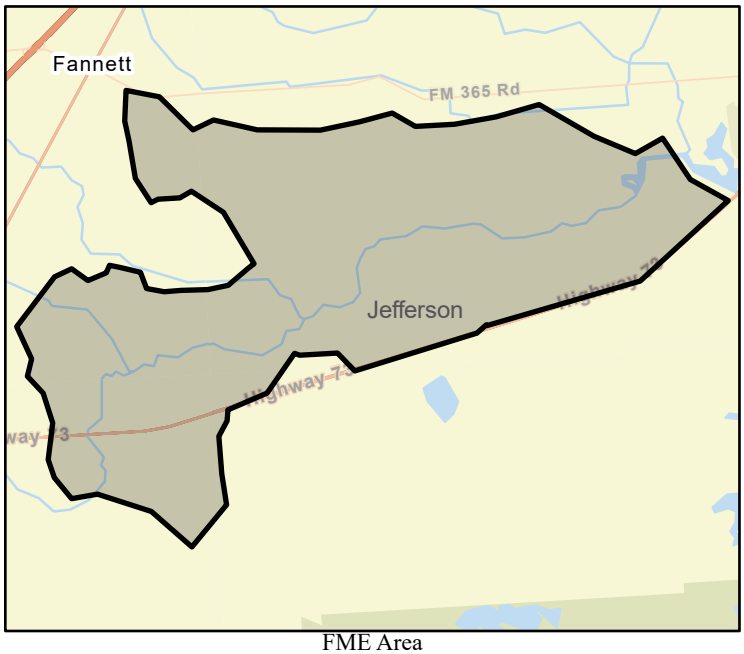
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 51.27 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	450	Structures at Risk	395	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1,508.37	Impacted Roadway Miles	14.26
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	293



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Channel 100-A Concrete Repair

FME ID: 05-51-0000000163 Sponsor Entity ID: 05-01-0000001731

Sponsor name: Jefferson County Drainage District 6 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $90,750

FME Description: Conduct repairs and install improvements to Channel 100-A located within the city of Beaumont.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

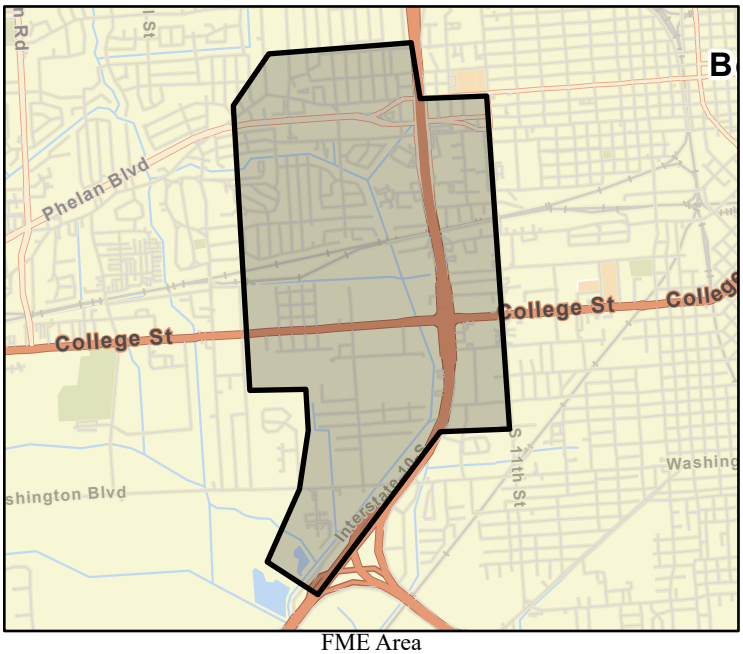
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 3.01 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	13,079	Structures at Risk	2,063	Critical Facilities at Risk	17
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	36.33
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	1,444



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Anahuac Master Drainage Plan

FME ID: 05-51-0000000164 Sponsor Entity ID: 00-01-0000003571

Sponsor name: Anahuac (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $400,000

FME 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.

County: Chambers Existing/Anticipated Models? Yes New H&H Model? Yes

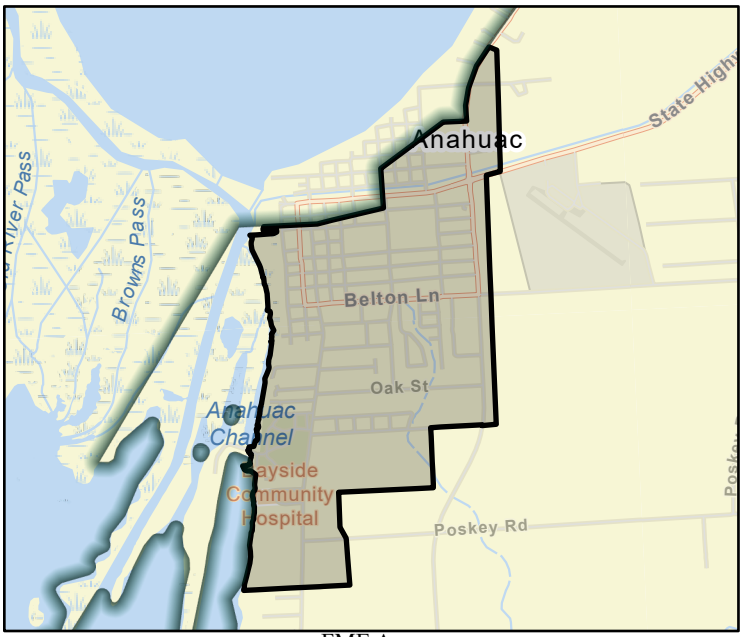
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 1.8 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	1,008	Structures at Risk	554	Critical Facilities at Risk	2
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	10.35	Impacted Roadway Miles	7.51
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	434



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Stowell Master Drainage Plan

FME ID: 05-51-0000000165 Sponsor Entity ID: 00-01-0000000013

Sponsor name: Chambers County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $250,000

FME 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.

County: Chambers Existing/Anticipated Models? Yes New H&H Model? Yes

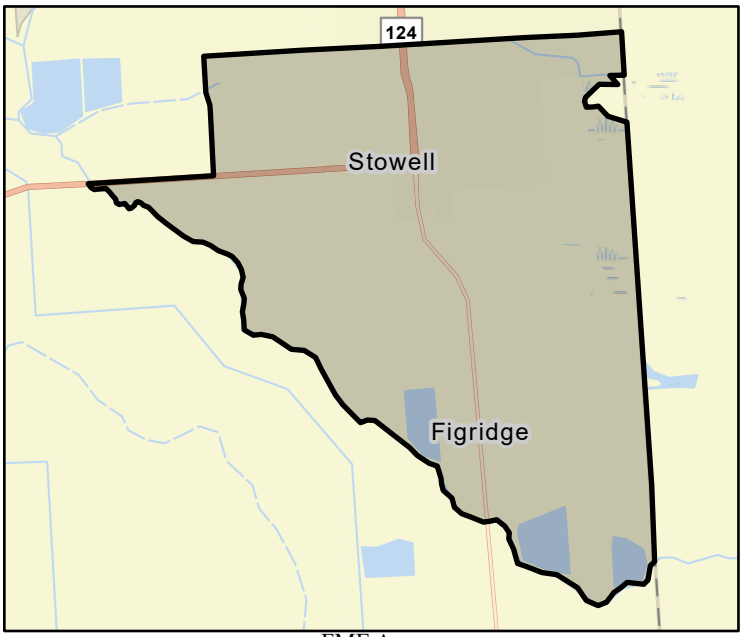
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 10.21 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	700	Structures at Risk	540	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	260.95	Impacted Roadway Miles	7.77
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	321



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Winnie Master Drainage Plan

FME ID: 05-51-0000000166 Sponsor Entity ID: 00-01-0000000013

Sponsor name: Chambers County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $250,000

FME 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.

County: Chambers Existing/Anticipated Models? Yes New H&H Model? Yes

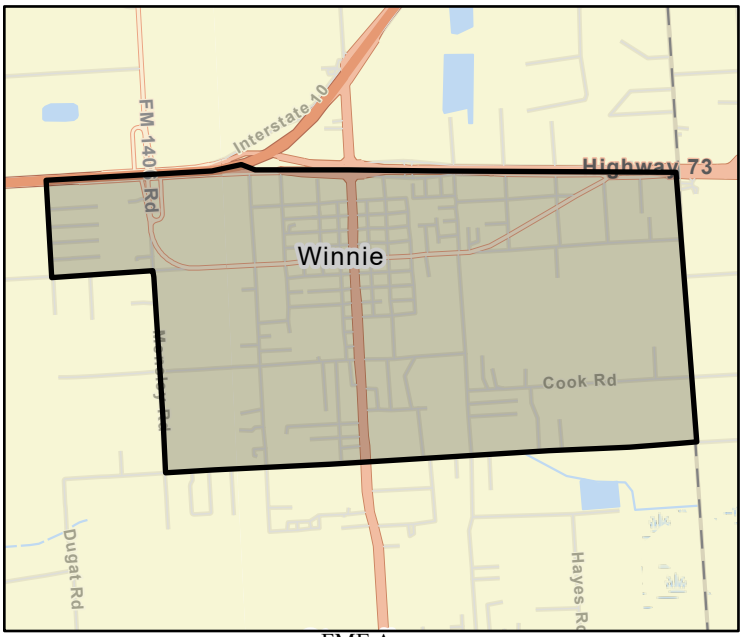
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 3.96 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	1,330	Structures at Risk	984	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	33.99	Impacted Roadway Miles	14.12
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	620



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Upper Mill Creek Study

FME ID: 05-51-0000000167 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $672,000

FME Description: Develop large-scale regional flood reduction solutions to address flood damages and prepare a path to implementation for the projects that includes costs, benefits, challenges, and prioritization.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

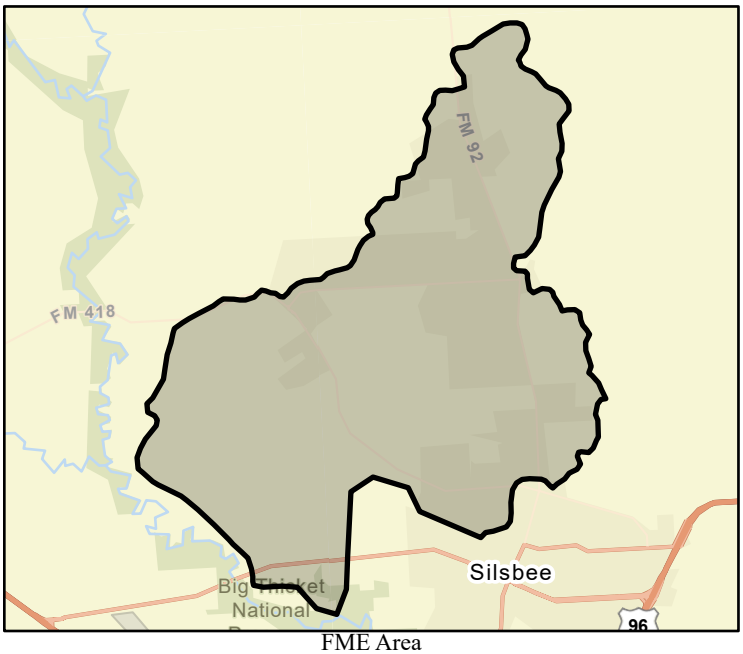
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 21.69 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? Yes Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	852	Structures at Risk	510	Critical Facilities at Risk	2
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	4.73	Impacted Roadway Miles	16.86
Low Water Crossings	5	Total Historical Road Closures	5	Residential at Risk	352



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Boggy Creek Channel Study

FME ID: 05-51-0000000168 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? No Reason for Recommendation: -

FME Details

FME Type: Project Planning Est. FME Cost: $777,000

FME Description: Develop large-scale regional flood reduction solutions to address flood damages and prepare a path to implementation for the projects that includes costs, benefits, challenges, and prioritization.

County: Multiple Existing/Anticipated Models? Yes New H&H Model? Yes

Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 42.89 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? Yes Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	3,969	Structures at Risk	2,039	Critical Facilities at Risk	19
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	37.24	Impacted Roadway Miles	52.16
Low Water Crossings	6	Total Historical Road Closures	6	Residential at Risk	1,410



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Black Creek Study

FME ID: 05-51-0000000169 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? No Reason for Recommendation: -

FME Details

FME Type: Project Planning Est. FME Cost: $1,119,000

FME Description: Develop large-scale regional flood reduction solutions to address flood damages and prepare a path to implementation for the projects that includes costs, benefits, challenges, and prioritization.

County: Multiple Existing/Anticipated Models? Yes New H&H Model? Yes

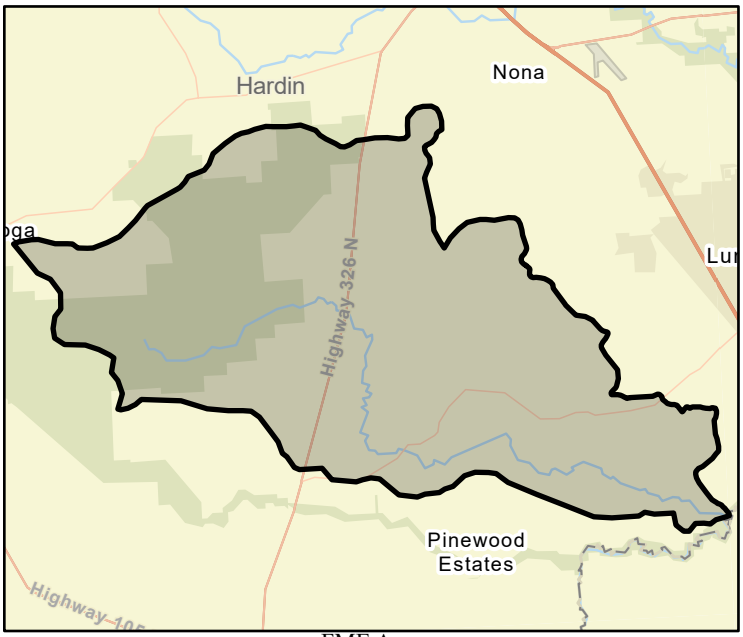
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 84.38 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? Yes Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	368	Structures at Risk	265	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	82.74	Impacted Roadway Miles	16.24
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	161



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Vidor Community Safe Room

FME ID: 05-51-0000000170 Sponsor Entity ID: 00-01-0000000027

Sponsor name: Orange County (County)

RFPG recommend? No Reason for Recommendation: -

FME Details

FME Type: Project Planning Est. FME Cost: $1,000,000

FME Description: Build a new community shelter/evacuation center to reduce risk to citizens and vulnerable populations during an extreme weather event.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

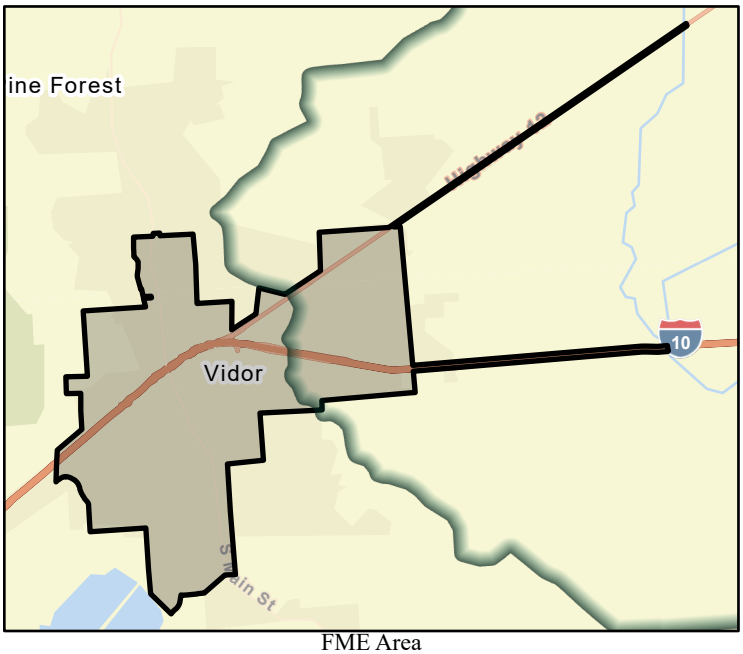
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 10.34 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	5,418	Structures at Risk	1,865	Critical Facilities at Risk	51
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.41	Impacted Roadway Miles	41.21
Low Water Crossings	6	Total Historical Road Closures	6	Residential at Risk	1,516



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Fred's Pond Feasibility Study

FME ID: 05-51-0000000171 Sponsor Entity ID: 00-01-0000000027

Sponsor name: Orange County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $100,000

FME Description: Construct a detention pond near the intersection of S. Dewitt Rd. and Dogwood Dr.

County: Multiple Existing/Anticipated Models? Yes New H&H Model? Yes

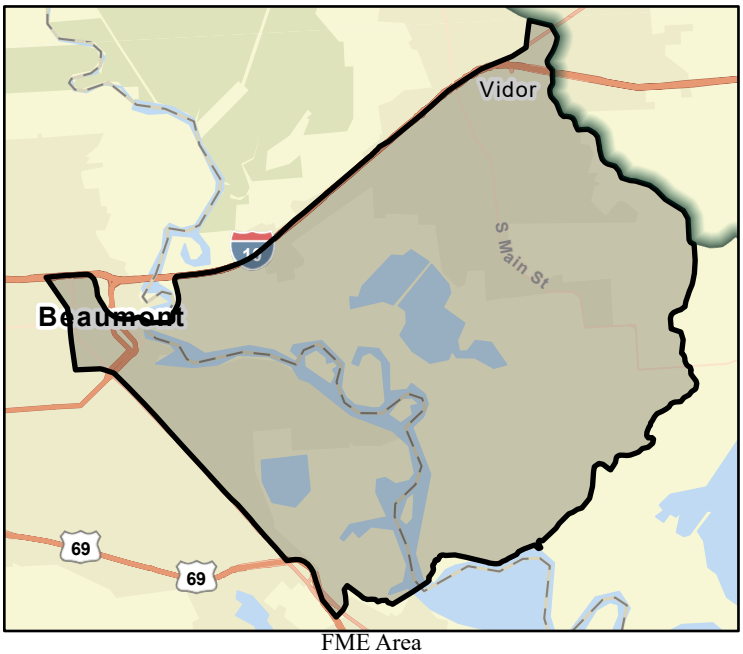
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 41.77 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	17,843	Structures at Risk	3,694	Critical Facilities at Risk	395
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	83.19	Impacted Roadway Miles	112.38
Low Water Crossings	12	Total Historical Road Closures	12	Residential at Risk	2,577



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title Gore Store Rd. Drainage

FME ID 05-51-0000000172 Sponsor Entity ID 00-01-0000000035

Sponsor name Hardin County (County)

RFPG recommend? No Reason for Recommendation -

FME Details

FME Type Project Planning Est. FME Cost $437,000

FME Description Construct drainage improvements at crossings on Gore Store Rd. to mitigate damage during future storm events. Channel crossing at Beech Creek will be designed for the 100-year storm.

County Multiple Existing/Anticipated Models? Yes New H&H Model? Yes

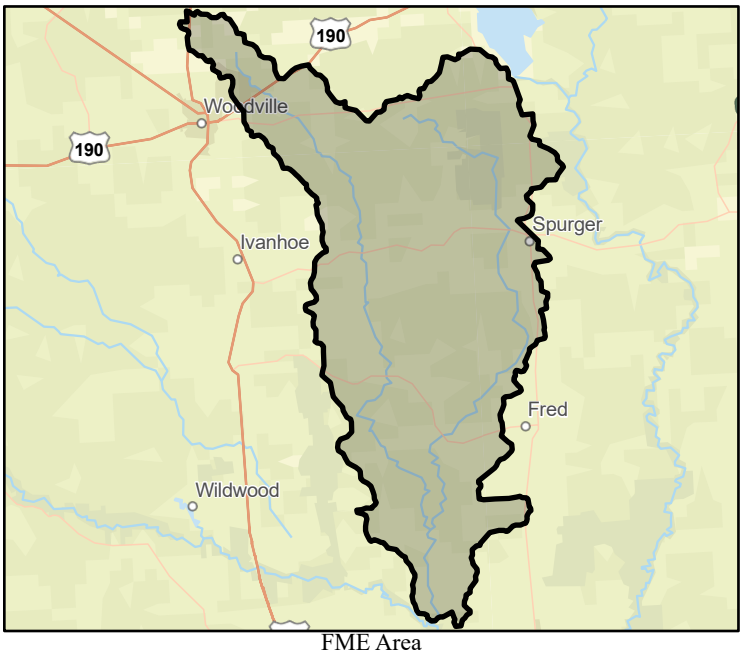
Emergency Need? Yes Emergency Need Description Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi) 213.48 Assumptions/Relevant Context N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area N/A

Population at Risk	81	Structures at Risk	155	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.71	Impacted Roadway Miles	24.82
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	113



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title Holland Road Drainage

FME ID 05-51-0000000173 Sponsor Entity ID 00-01-0000000035

Sponsor name Hardin County (County)

RFPG recommend? No Reason for Recommendation -

FME Details

FME Type Project Planning Est. FME Cost $188,000

FME Description Construct drainage improvements to Holland Road to mitigate damage during future storm events. Construction will consist of three concrete box culverts of higher capacity and imporved design along Holland Road for three tributaries of Village Creek.

County Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

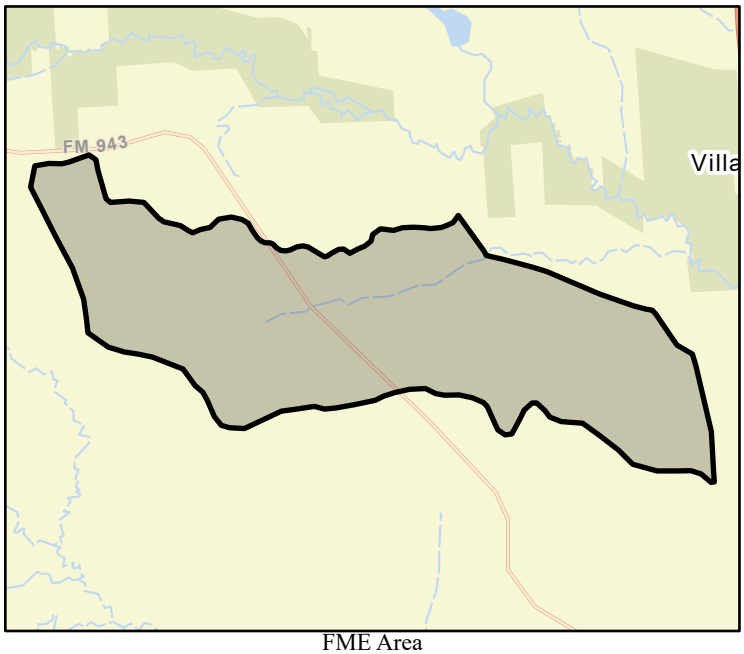
Emergency Need? Yes Emergency Need Description Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi) 7.35 Assumptions/Relevant Context N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area N/A

Population at Risk	5	Structures at Risk	5	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.3
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	3



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Beaver Brook Crossing Improvements

FME ID: 05-51-0000000174 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $400,000

FME Description: Construct crossing upgrades at the Black Creek crossing to alleviate flow restrictions.

County: Multiple Existing/Anticipated Models? Yes New H&H Model? Yes

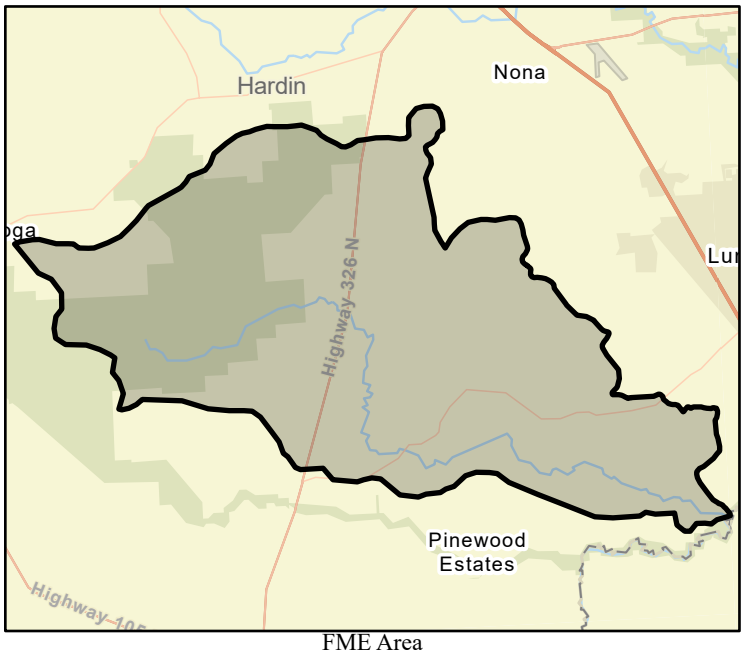
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 84.38 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? Yes Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	368	Structures at Risk	265	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	82.74	Impacted Roadway Miles	16.24
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	161



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Flood Control Barrier Improvements

FME ID: 05-51-0000000175 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Coordinate and implement construction, expansion, and maintenance of flood control structures/barriers for the purpose of mitigating damage.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

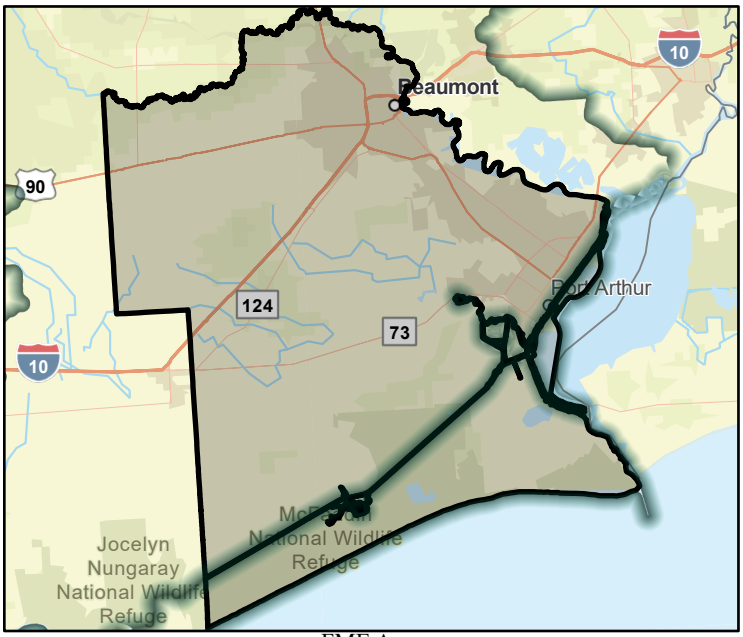
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 957.65 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? Yes Known Lives Lost in Study Area: N/A

Population at Risk	164,051	Structures at Risk	65,754	Critical Facilities at Risk	2,012
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	54,538.14	Impacted Roadway Miles	1,297.53
Low Water Crossings	126	Total Historical Road Closures	126	Residential at Risk	54,320



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Agricultural and Stormwater Retention Ponds

FME ID: 05-51-0000000176 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Construct water retention ponds to collect storm water run-off and use as an alternate water source for agricultural purposes.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

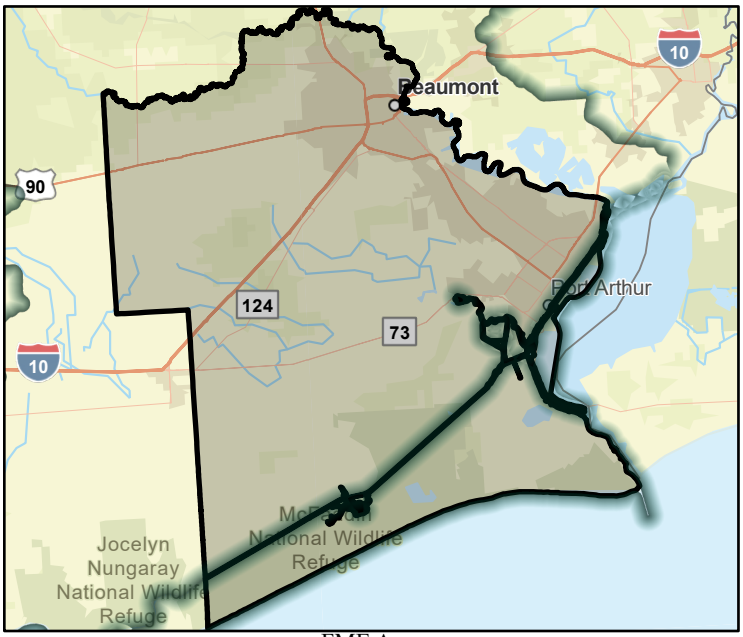
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 957.65 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	164,051	Structures at Risk	65,754	Critical Facilities at Risk	2,012
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	54,538.14	Impacted Roadway Miles	1,297.53
Low Water Crossings	126	Total Historical Road Closures	126	Residential at Risk	54,320



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Mason Road Bridge Improvements

FME ID: 05-51-0000000177 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Demo existing Mason Road Bridge and construct new concrete bridge to prevent water surge from topping structure.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

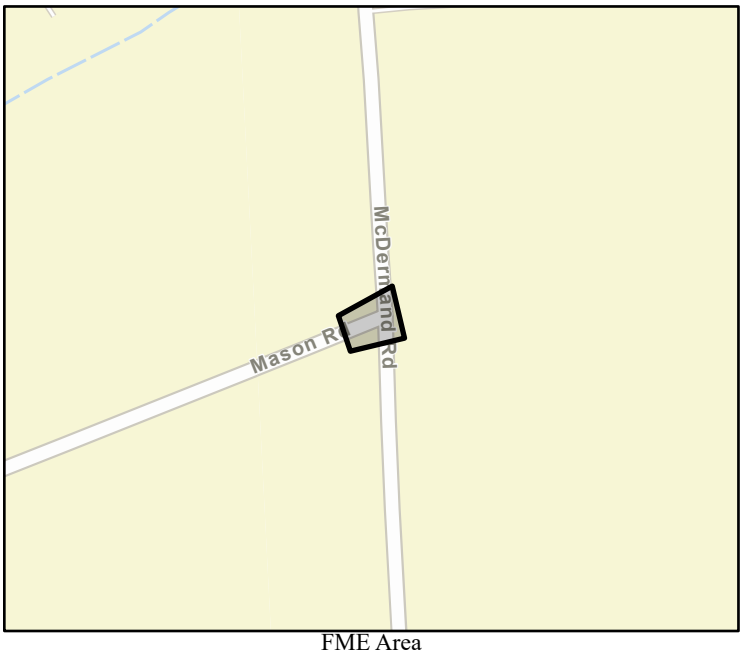
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	0	Structures at Risk	0	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.1	Impacted Roadway Miles	0.01
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Old Big Hill Bridge Improvements

FME ID: 05-51-0000000178 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Demo existing Old Big Hill Bridge and construct new concrete bridge to prevent water surge from topping structure.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

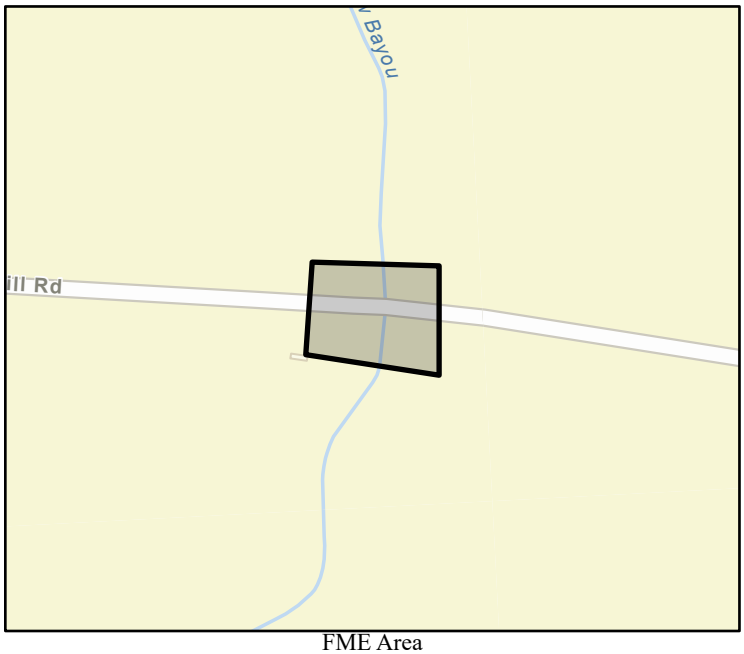
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.01 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	0	Structures at Risk	0	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.09
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Crossing Improvements

FME ID: 05-51-0000000179 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Elevate or upgrade bridges, culverts, and other crossings to reduce damages to infrastructure and reduce flooding caused by undersized crossings and culverts.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

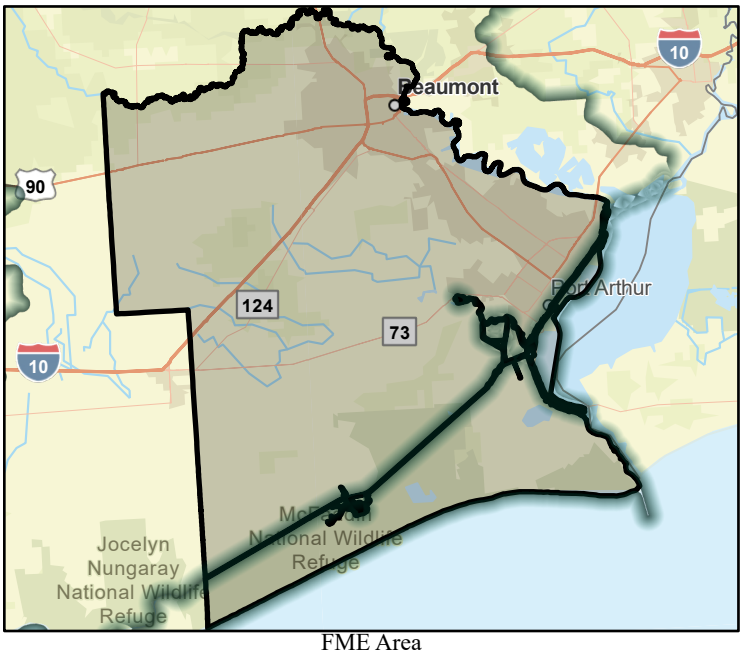
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 957.65 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	164,051	Structures at Risk	65,754	Critical Facilities at Risk	2,012
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	54,538.14	Impacted Roadway Miles	1,297.53
Low Water Crossings	126	Total Historical Road Closures	126	Residential at Risk	54,320



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Detention/Retention Pond Improvements

FME ID: 05-51-0000000180 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Construct or upgrade existing detention / retention ponds where appropriate to collect storm water to reduce flooding. Utilize retention ponds to collect storm water run-off and use as an alternate water source throughout Jefferson County.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

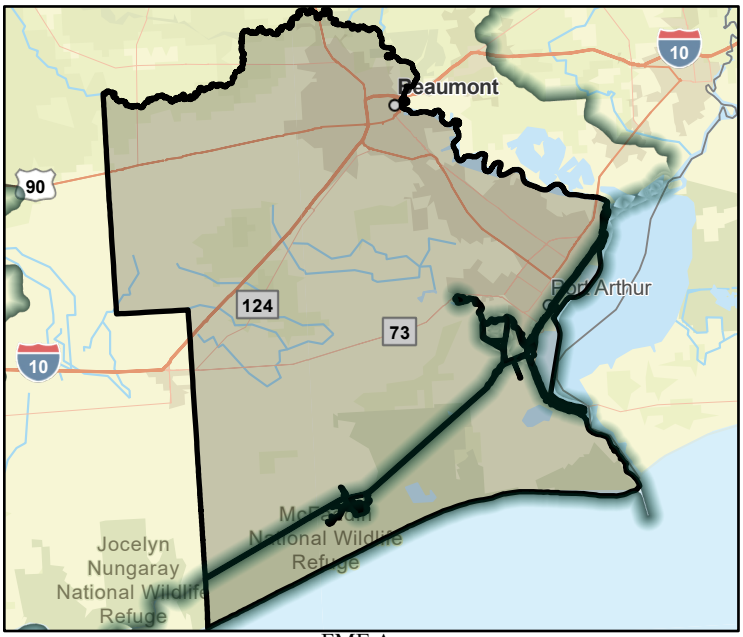
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 957.65 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	164,051	Structures at Risk	65,754	Critical Facilities at Risk	2,012
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	54,538.14	Impacted Roadway Miles	1,297.53
Low Water Crossings	126	Total Historical Road Closures	126	Residential at Risk	54,320



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Coastal Flood Control Barrier Improvements

FME ID: 05-51-0000000181 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Implement flood protection measures to protect which can include but are not limited to constructing and/or upgrading sea walls, flood barriers, berms and various wet and dry floodproofing measures.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

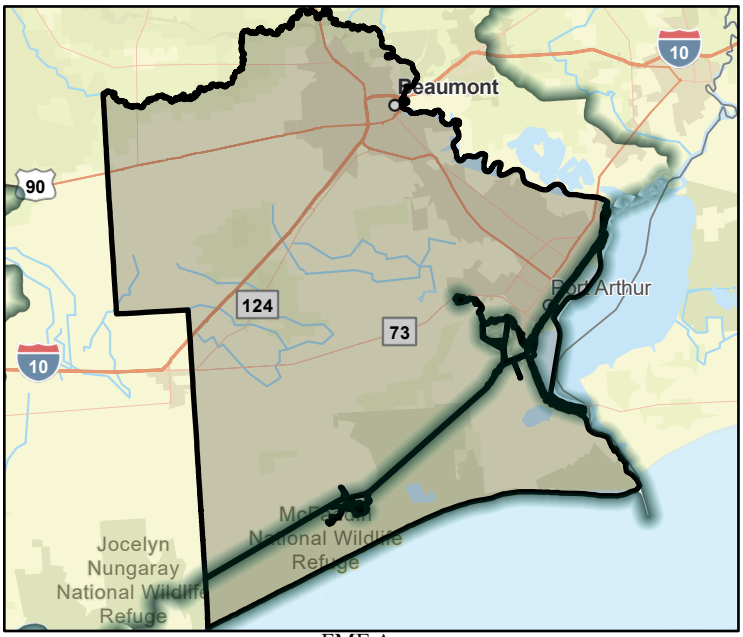
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 957.65 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	164,051	Structures at Risk	65,754	Critical Facilities at Risk	2,012
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	54,538.14	Impacted Roadway Miles	1,297.53
Low Water Crossings	126	Total Historical Road Closures	126	Residential at Risk	54,320



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Beaumont Downtown Storm Drain System

FME ID: 05-51-0000000182 Sponsor Entity ID: 05-01-0000002769

Sponsor name: Beaumont (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Install a large storm drainage system to capture runoff from the downtown area and outfall rainwater to the Neches River.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

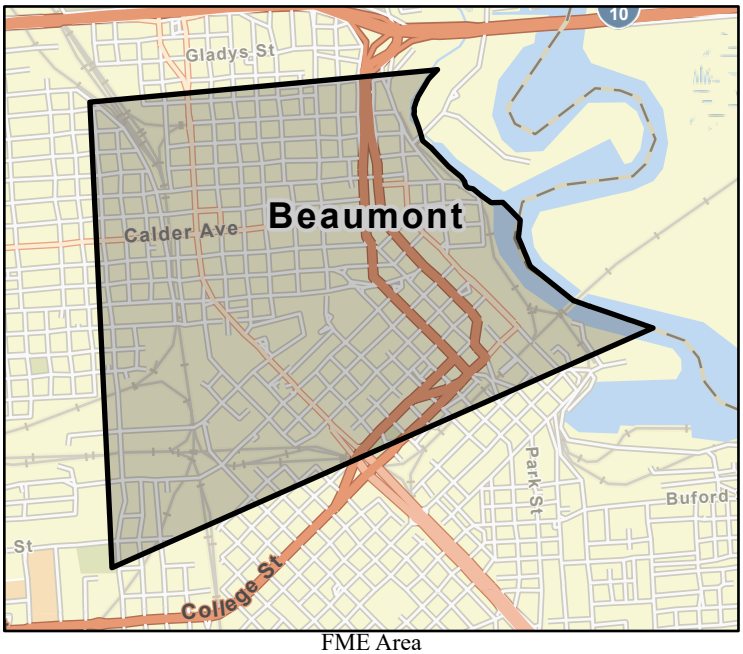
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 1.6 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	11,436	Structures at Risk	619	Critical Facilities at Risk	3
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	29.29
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	295



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Beaumont NW Neighborhood Storm Drain System

FME ID: 05-51-0000000183 Sponsor Entity ID: 05-01-0000002769

Sponsor name: Beaumont (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Conduct improvements to the storm drain system in the northwestern neighborhood of Beaumont. Project includes culvert and channel improvements.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

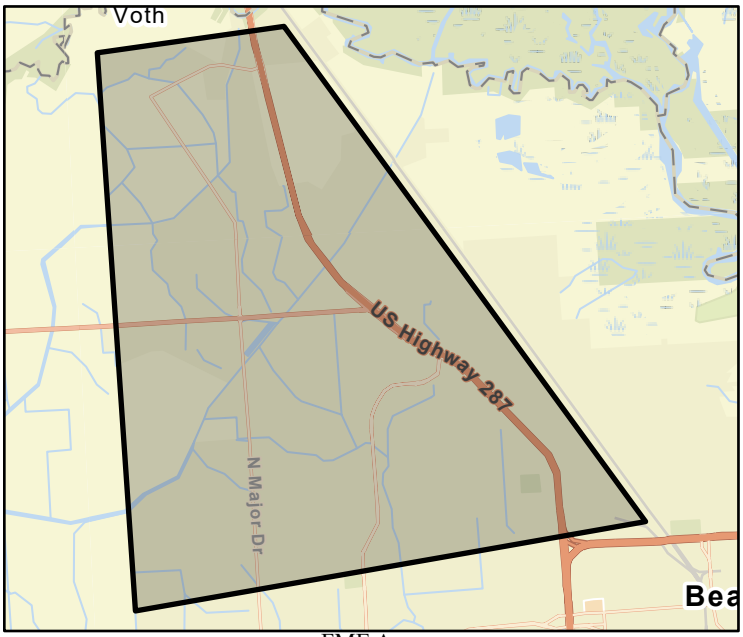
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 21.35 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	15,829	Structures at Risk	4,568	Critical Facilities at Risk	15
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	112.79	Impacted Roadway Miles	111.73
Low Water Crossings	4	Total Historical Road Closures	4	Residential at Risk	4,043



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Beaumont Fulton Ave Storm Drain System

FME ID: 05-51-0000000184 Sponsor Entity ID: 05-01-0000002769

Sponsor name: Beaumont (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Conduct storm sewer improvements to include 8,500 linear feet of 10'x10' RCB. Fulton Avenue, Sycamore Street, Carroll Street, Schwarner Street, and Verone Street out-falling to the Neches River.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

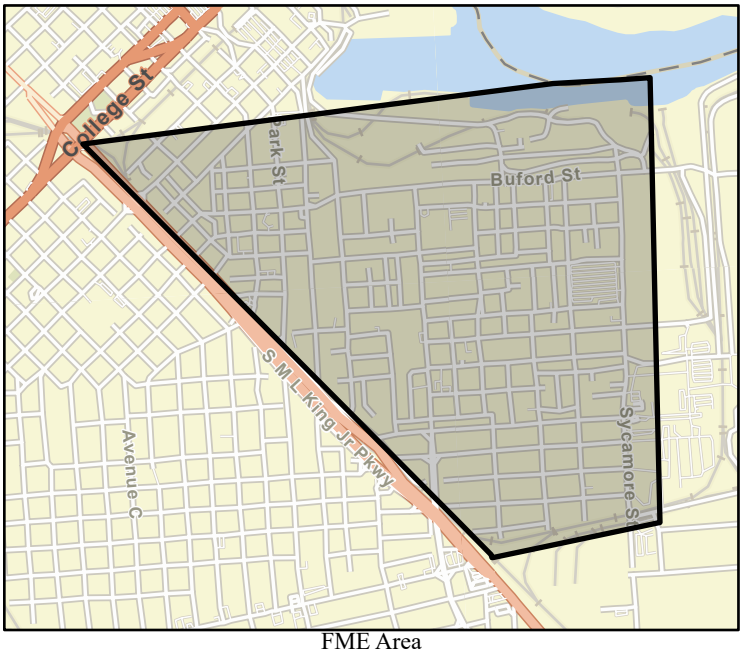
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 1.1 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	677	Structures at Risk	332	Critical Facilities at Risk	9
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	17.22
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	279



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Bevil Oaks Stormwater Controls and Drainage Improvement Enclosures

FME ID: 05-51-0000000185 Sponsor Entity ID: 05-01-0000003085

Sponsor name: Bevil Oaks (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Complete enclosure of major flood/stormwater control and drainage features, such as box culverts.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

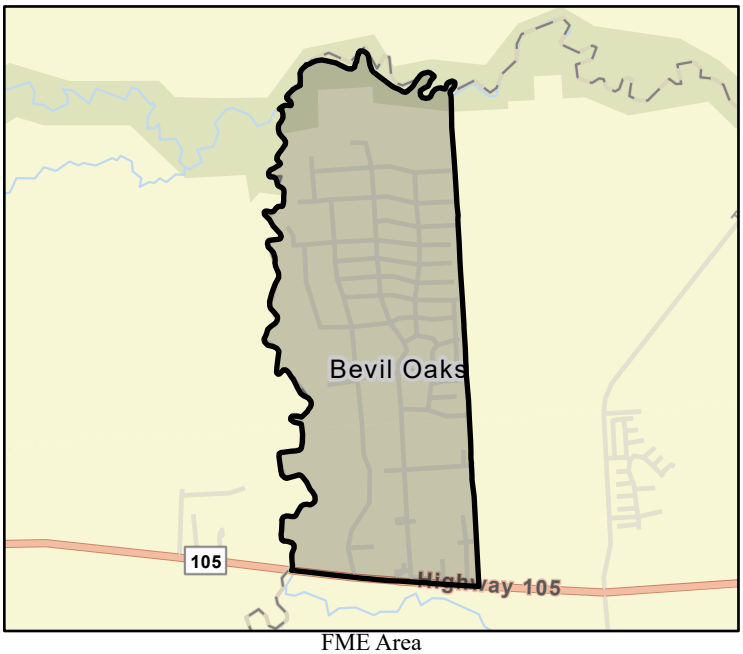
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 2.06 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	719	Structures at Risk	505	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3.72	Impacted Roadway Miles	8.83
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	463



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Bevil Oaks Master Drainage Plan

FME ID: 05-51-0000000186 Sponsor Entity ID: 05-01-0000003085

Sponsor name: Bevil Oaks (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $100,000

FME Description: Conduct engineering and Hydrologic and Hydraulic (H&H) studies to better evaluate citywide drainage for Bevil Oaks.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

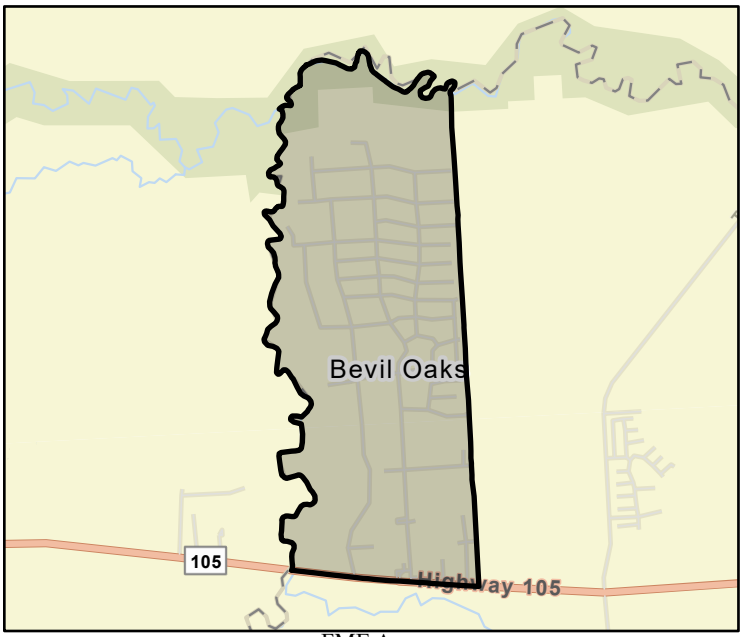
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 2.06 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	719	Structures at Risk	505	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3.72	Impacted Roadway Miles	8.83
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	463



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Bevil Oaks Drainage Improvements

FME ID: 05-51-0000000187 Sponsor Entity ID: 05-01-0000003085

Sponsor name: Bevil Oaks (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Implement drainage improvements and debris removal. Installing/upgrading culverts, headwalls as well as enlarging storm water ditches and canal, stormwater detention and/or retention basins as deemed necessary to reduce flood risk.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

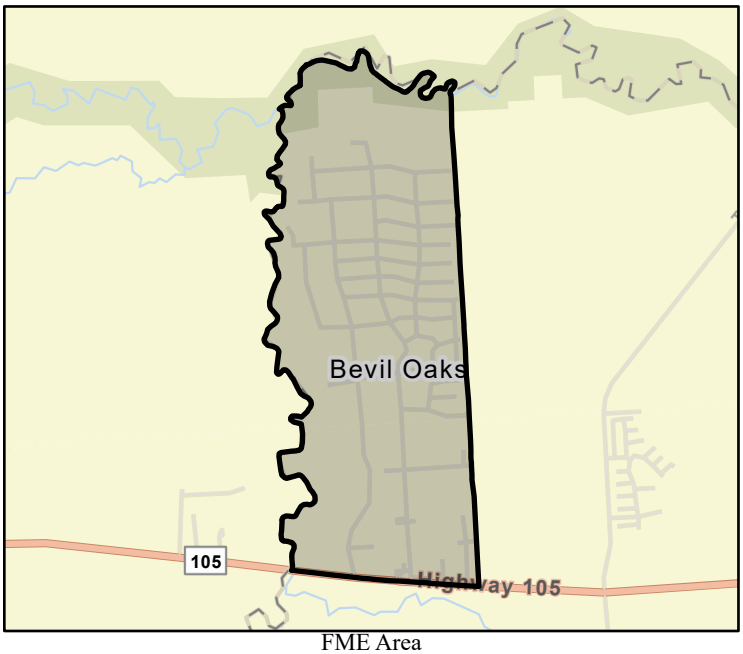
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 2.06 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	719	Structures at Risk	505	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3.72	Impacted Roadway Miles	8.83
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	463



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Bevil Oaks Flood Control Barrier Improvements

FME ID: 05-51-0000000188 Sponsor Entity ID: 05-01-0000003085

Sponsor name: Bevil Oaks (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Implement flood protection measures which can include but are not limited to waterways being cleared out/dredged, constructing and/or upgrading sea walls, flood barriers, berms, and various wet and dry flood proofing measures.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

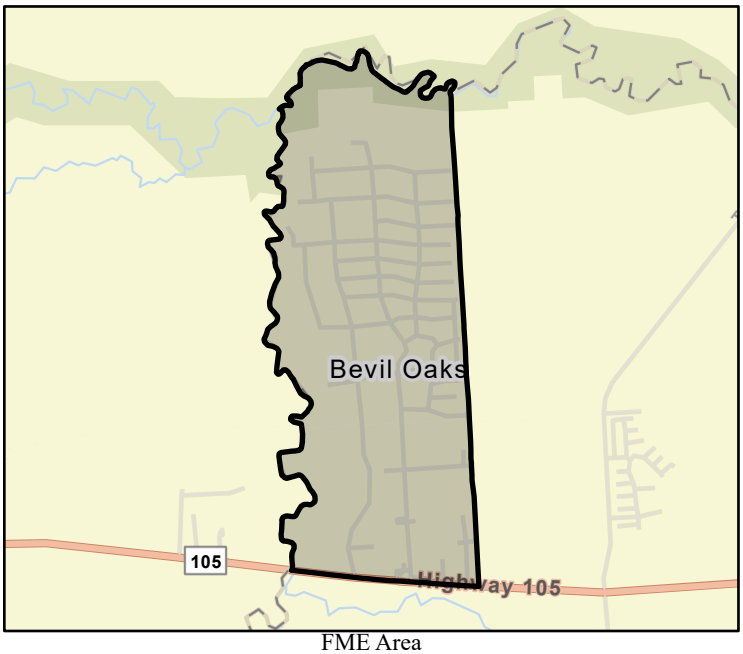
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 2.06 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	719	Structures at Risk	505	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3.72	Impacted Roadway Miles	8.83
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	463



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of China Master Drainage Plan

FME ID: 05-51-0000000189 Sponsor Entity ID: 05-01-0000002839

Sponsor name: China (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $350,000

FME Description: Complete H&H study for drainage improvements within the city. Implement findings from study to better address backflow of stormwater/ flood water into the City.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

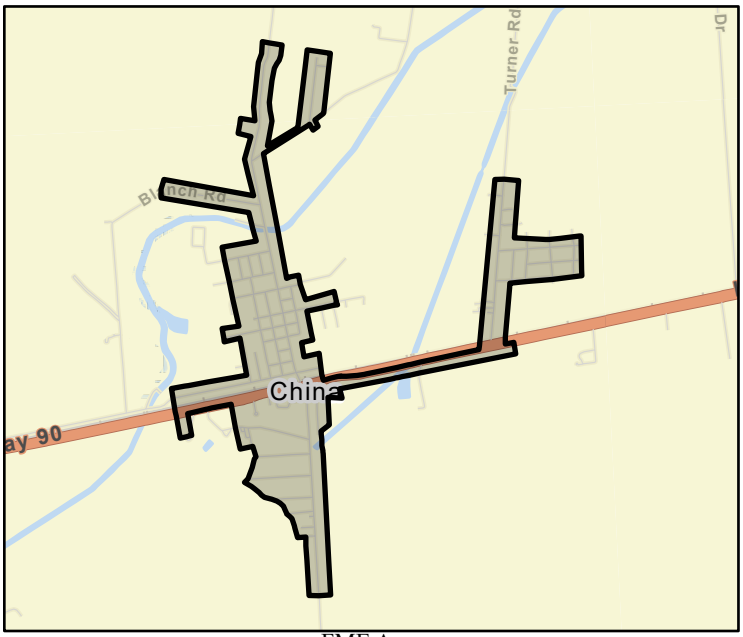
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 1.29 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	593	Structures at Risk	308	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	22.06	Impacted Roadway Miles	2.22
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	273



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of China Drainage Improvements

FME ID: 05-51-0000000190 Sponsor Entity ID: 05-01-0000002839

Sponsor name: China (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Implement drainage improvements. Actions can include but are not limited to installing/upgrading culverts and headwalls as well as enlarging storm water ditches and canals.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

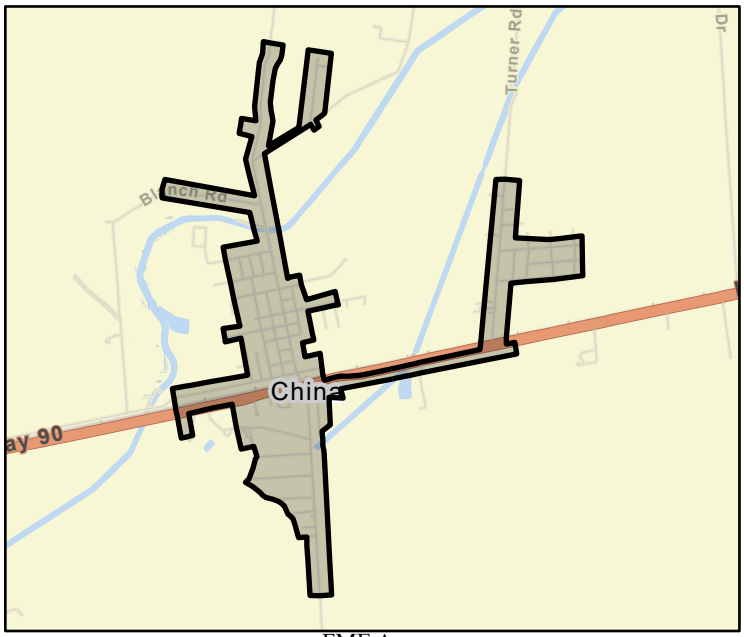
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 1.29 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	593	Structures at Risk	308	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	22.06	Impacted Roadway Miles	2.22
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	273



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of China Crossing Improvements

FME ID: 05-51-0000000191 Sponsor Entity ID: 05-01-0000002839

Sponsor name: China (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Replace and/or upgrade bridges, culverts and other crossings.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

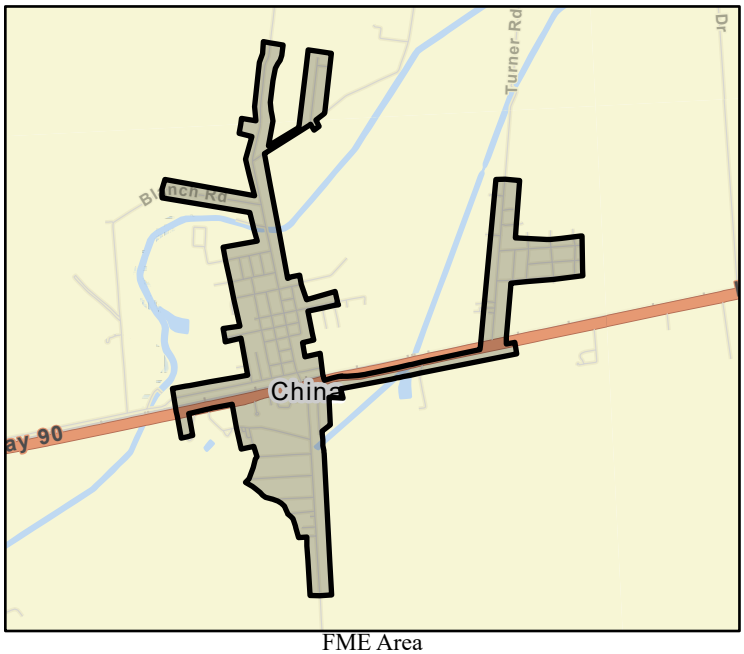
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 1.29 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	593	Structures at Risk	308	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	22.06	Impacted Roadway Miles	2.22
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	273



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of China Flood Control Barrier Improvements

FME ID: 05-51-0000000192 Sponsor Entity ID: 05-01-0000002839

Sponsor name: China (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Implement flood protection measures which can include but are not limited to constructing and/or upgrading sea walls, flood barriers, berms and various wet and dry flood proofing measures.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

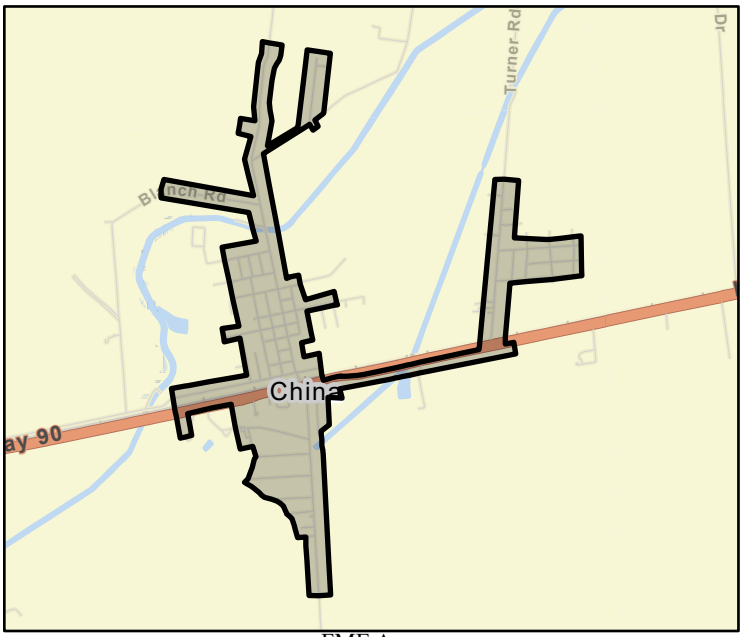
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 1.29 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	593	Structures at Risk	308	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	22.06	Impacted Roadway Miles	2.22
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	273



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of China Detention/Retention Pond Improvements

FME ID: 05-51-0000000193 Sponsor Entity ID: 05-01-0000002839

Sponsor name: China (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Construct or upgrade existing detention / retention ponds where appropriate to collect storm water to reduce flooding and utilize as alternative water source.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

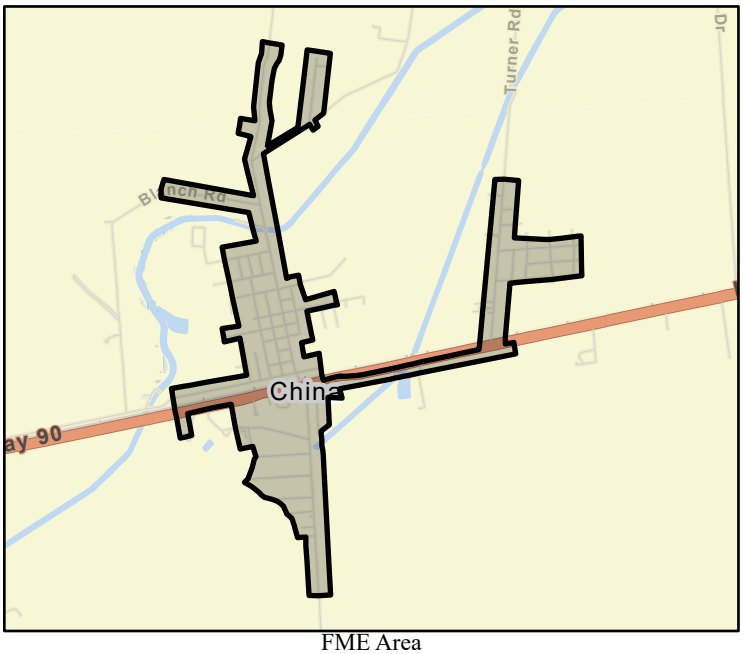
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 1.29 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	593	Structures at Risk	308	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	22.06	Impacted Roadway Miles	2.22
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	273



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Groves Crossing Improvements

FME ID: 05-51-0000000194 Sponsor Entity ID: 05-01-0000002840

Sponsor name: Groves (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Elevate or upgrade bridges, culverts and other crossings to reduce damages to infrastructure and reduce flooding caused by undersized crossings and culverts.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

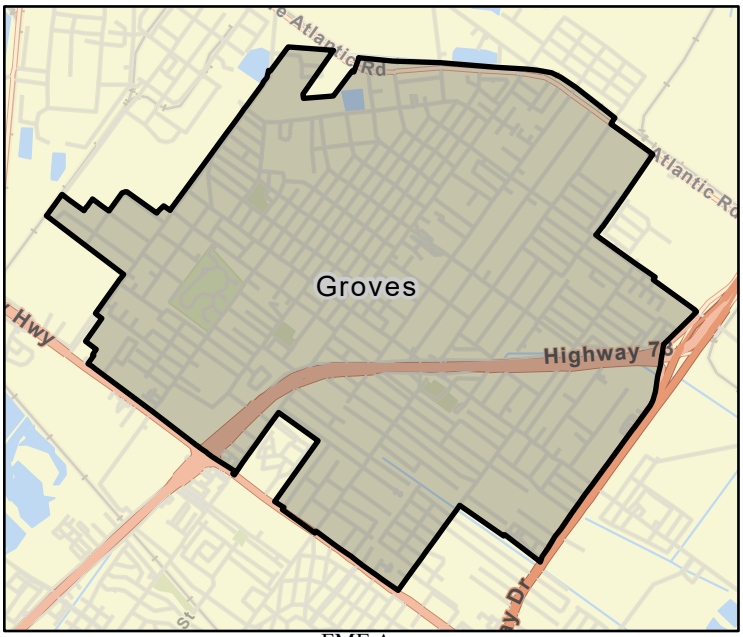
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 5.2 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	9,021	Structures at Risk	4,461	Critical Facilities at Risk	16
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.64	Impacted Roadway Miles	45.69
Low Water Crossings	5	Total Historical Road Closures	5	Residential at Risk	4,181



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Groves Flood Control Barrier Improvements

FME ID: 05-51-0000000195 Sponsor Entity ID: 05-01-0000002840

Sponsor name: Groves (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Implement flood protection measures to protect which can include but are not limited to constructing and/or upgrading sea walls, flood barriers, berms, and various wet and dry flood proofing measures.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

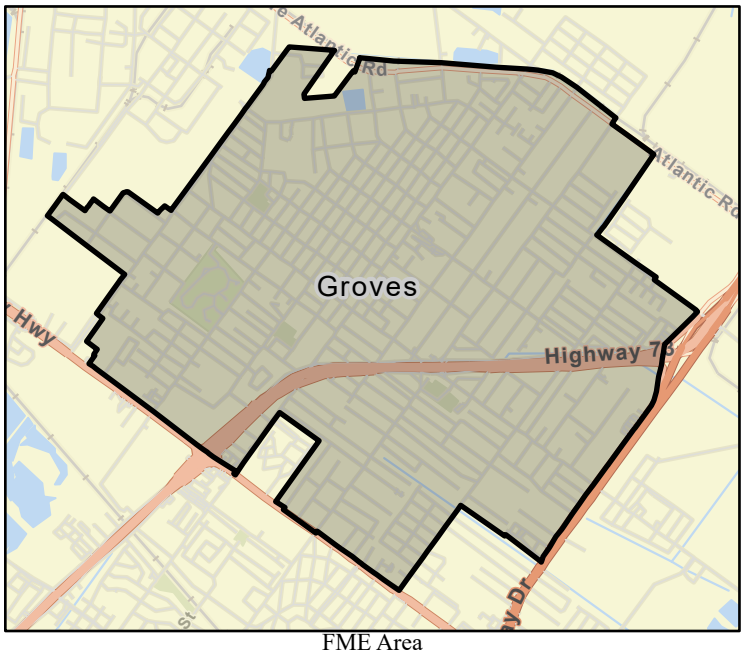
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 5.2 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	9,021	Structures at Risk	4,461	Critical Facilities at Risk	16
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.64	Impacted Roadway Miles	45.69
Low Water Crossings	5	Total Historical Road Closures	5	Residential at Risk	4,181



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Groves Drainage Improvements

FME ID: 05-51-0000000196 Sponsor Entity ID: 05-01-0000002840

Sponsor name: Groves (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Implement drainage improvements. Actions can include but are not limited to installing/upgrading culverts, headwalls, enlarging storm water ditches and canals, constructing/upgrading detention/retention ponds.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

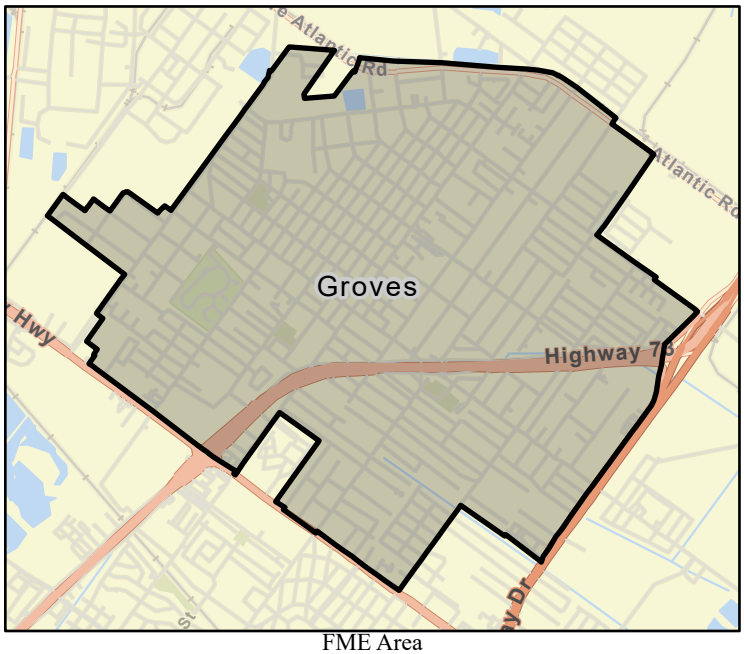
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 5.2 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	9,021	Structures at Risk	4,461	Critical Facilities at Risk	16
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.64	Impacted Roadway Miles	45.69
Low Water Crossings	5	Total Historical Road Closures	5	Residential at Risk	4,181



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Groves Flood Reduction Drainage Improvements

FME ID: 05-51-0000000197 Sponsor Entity ID: 05-01-0000002840

Sponsor name: Groves (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Upgrade drainage improvements to reduce flooding.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

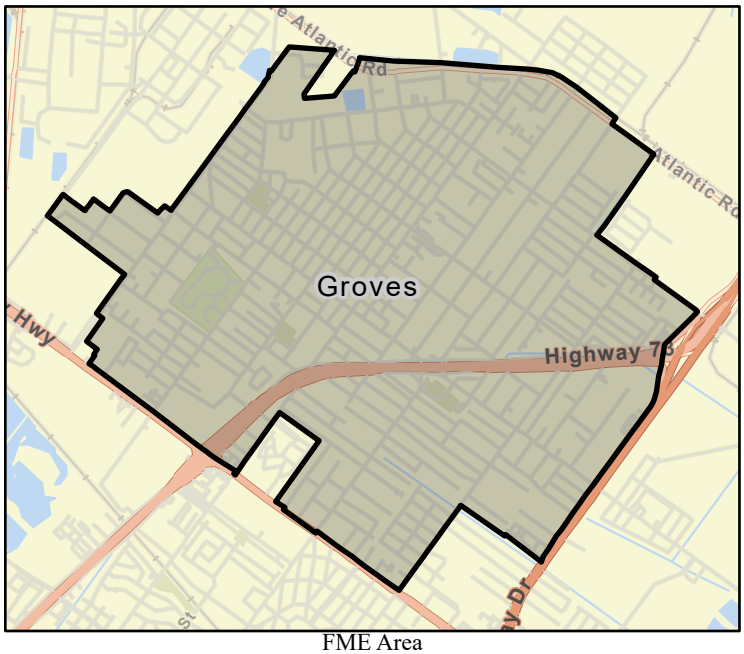
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 5.2 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	9,021	Structures at Risk	4,461	Critical Facilities at Risk	16
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.64	Impacted Roadway Miles	45.69
Low Water Crossings	5	Total Historical Road Closures	5	Residential at Risk	4,181



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Nederland Flood Control Barrier Improvements

FME ID: 05-51-0000000198 Sponsor Entity ID: 05-01-0000003086

Sponsor name: Nederland (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Implement flood protection measures to protect which can include but are not limited to constructing and/or upgrading sea walls, flood barriers, berms and various wet and dry flood proofing measures.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

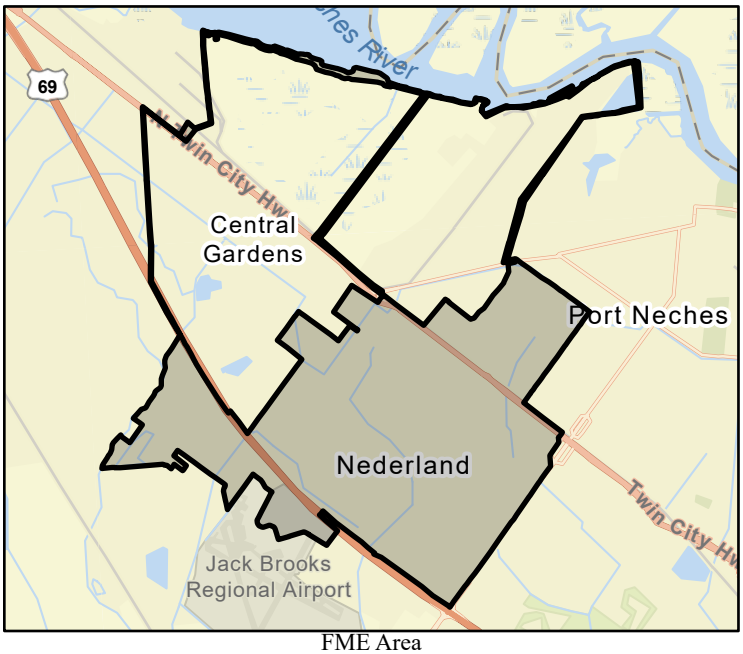
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 6.06 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	8,755	Structures at Risk	4,258	Critical Facilities at Risk	23
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.13	Impacted Roadway Miles	54.61
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	3,633



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Nome Crossing Improvements

FME ID: 05-51-0000000199 Sponsor Entity ID: 05-01-0000002841

Sponsor name: Nome (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Elevate or upgrade bridges, culverts and other crossings to reduce damages to infrastructure and reduce flooding caused by undersized crossings and culverts.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

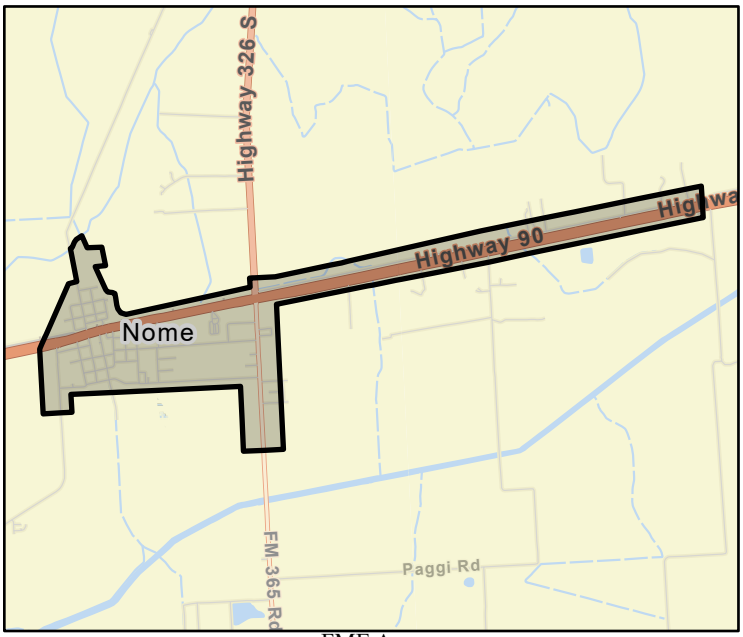
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 1.24 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	204	Structures at Risk	100	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	14.76	Impacted Roadway Miles	3.06
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	71



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Nome Drainage Improvements

FME ID: 05-51-0000000200 Sponsor Entity ID: 05-01-0000002841

Sponsor name: Nome (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Implement drainage improvements. Actions can include but are not limited to installing/upgrading culverts and headwalls, enlarging storm water ditches and canals, constructing/upgrading existing detention and retention ponds.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

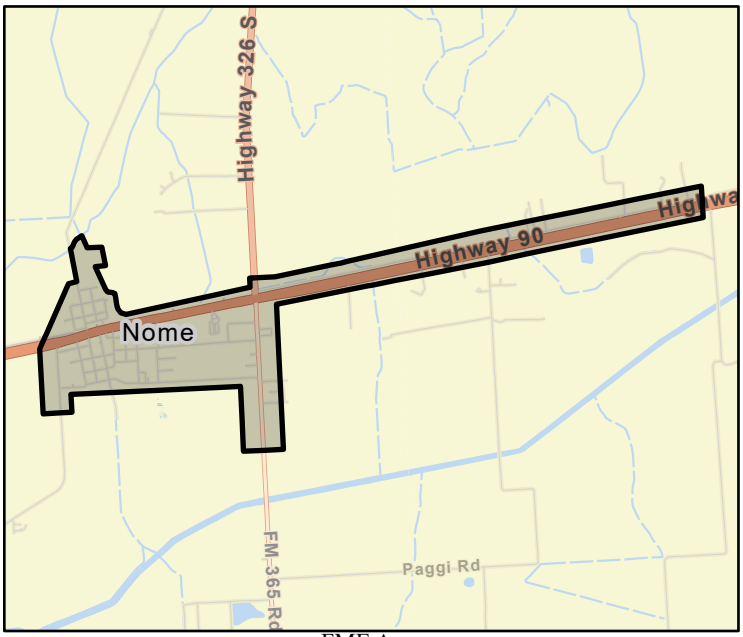
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 1.24 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	204	Structures at Risk	100	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	14.76	Impacted Roadway Miles	3.06
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	71



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Port Arthur Crossing Improvements

FME ID: 05-51-0000000201 Sponsor Entity ID: 05-01-0000003087

Sponsor name: Port Arthur (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Elevate or upgrade bridges, culverts and other crossings to reduce damages to infrastructure and reduce flooding caused by undersized crossings and culverts.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

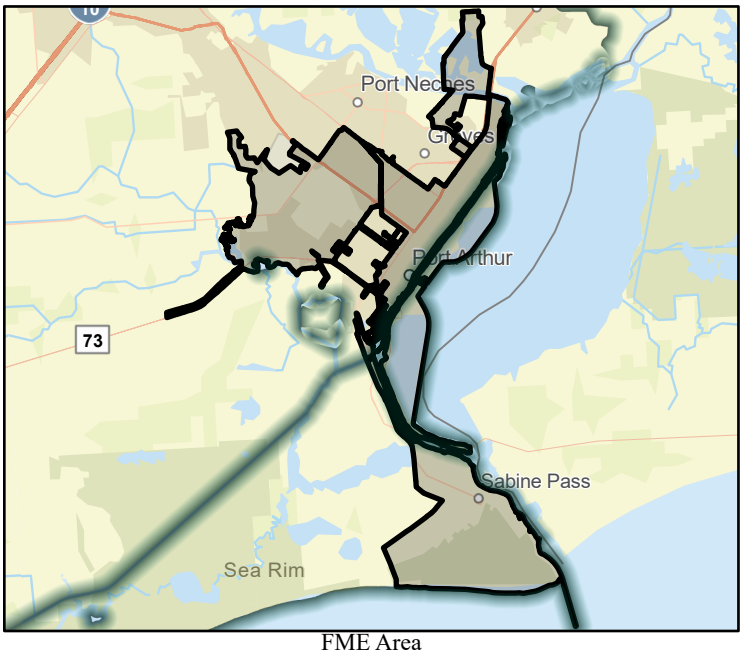
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 91.62 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	44,779	Structures at Risk	20,078	Critical Facilities at Risk	224
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	278.91	Impacted Roadway Miles	364.55
Low Water Crossings	23	Total Historical Road Closures	23	Residential at Risk	17,268



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Port Arthur Drainage Improvements

FME ID: 05-51-0000000202 Sponsor Entity ID: 05-01-0000003087

Sponsor name: Port Arthur (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Implement drainage improvements. Actions can include but are not limited to installing/upgrading culverts and headwalls, enlarging storm water ditches and canals, constructing/upgrading existing detention and retention ponds.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

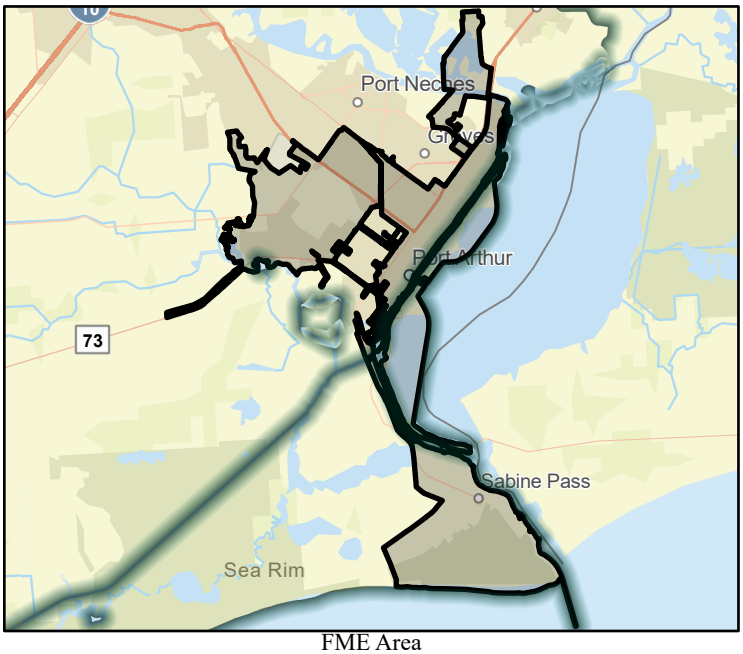
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 91.62 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	44,779	Structures at Risk	20,078	Critical Facilities at Risk	224
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	278.91	Impacted Roadway Miles	364.55
Low Water Crossings	23	Total Historical Road Closures	23	Residential at Risk	17,268



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Port Arthur Stormwater and Water Supply Retention Ponds

FME ID: 05-51-0000000203 Sponsor Entity ID: 05-01-0000003087

Sponsor name: Port Arthur (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Construct water retention ponds to collect storm water run-off, reduce flooding and use as an alternate water source.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

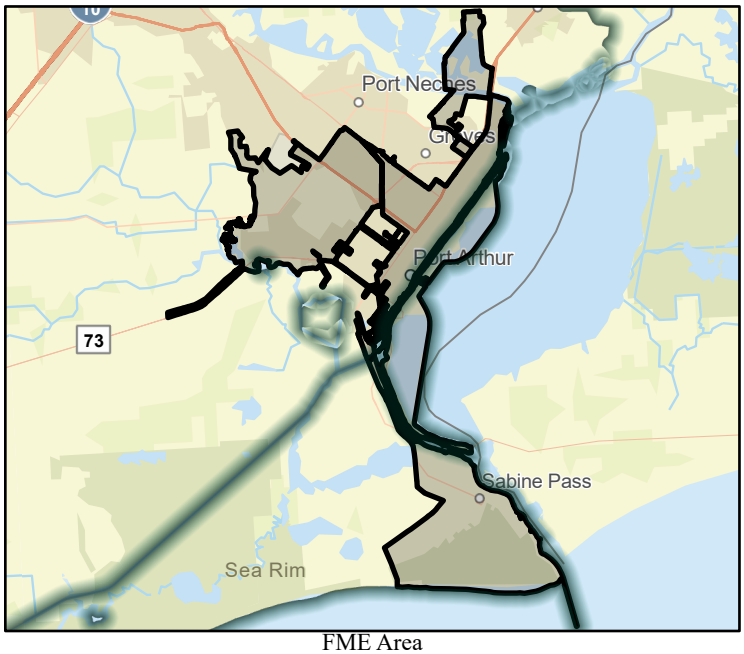
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 91.62 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	44,779	Structures at Risk	20,078	Critical Facilities at Risk	224
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	278.91	Impacted Roadway Miles	364.55
Low Water Crossings	23	Total Historical Road Closures	23	Residential at Risk	17,268



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Port Arthur Channel and Crossing Improvements

FME ID: 05-51-0000000204 Sponsor Entity ID: 05-01-0000003087

Sponsor name: Port Arthur (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Increase / Improve channel capacity and improve multiple culvert crossings.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

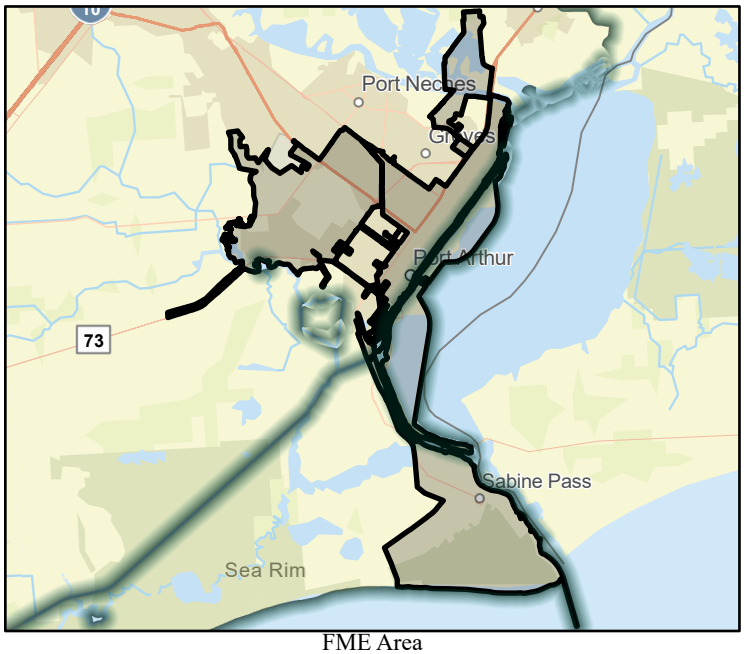
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 91.62 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	44,779	Structures at Risk	20,078	Critical Facilities at Risk	224
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	278.91	Impacted Roadway Miles	364.55
Low Water Crossings	23	Total Historical Road Closures	23	Residential at Risk	17,268



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Port Arthur Westside Drainage Improvements

FME ID: 05-51-0000000205 Sponsor Entity ID: 05-01-0000003087

Sponsor name: Port Arthur (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Increase drainage capacity to reduce flooding on Westside.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

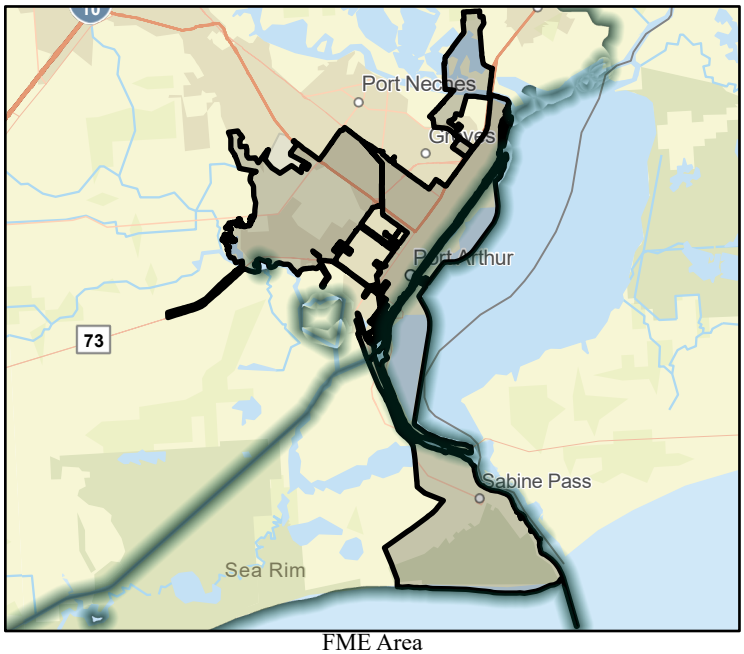
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 91.62 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	44,779	Structures at Risk	20,078	Critical Facilities at Risk	224
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	278.91	Impacted Roadway Miles	364.55
Low Water Crossings	23	Total Historical Road Closures	23	Residential at Risk	17,268



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Port Arthur Port Acres and Procter Storm Drain Improvements

FME ID: 05-51-0000000206 Sponsor Entity ID: 05-01-0000003087

Sponsor name: Port Arthur (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Upgrade existing storm sewer in the Port Acres area and along Procter Street.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

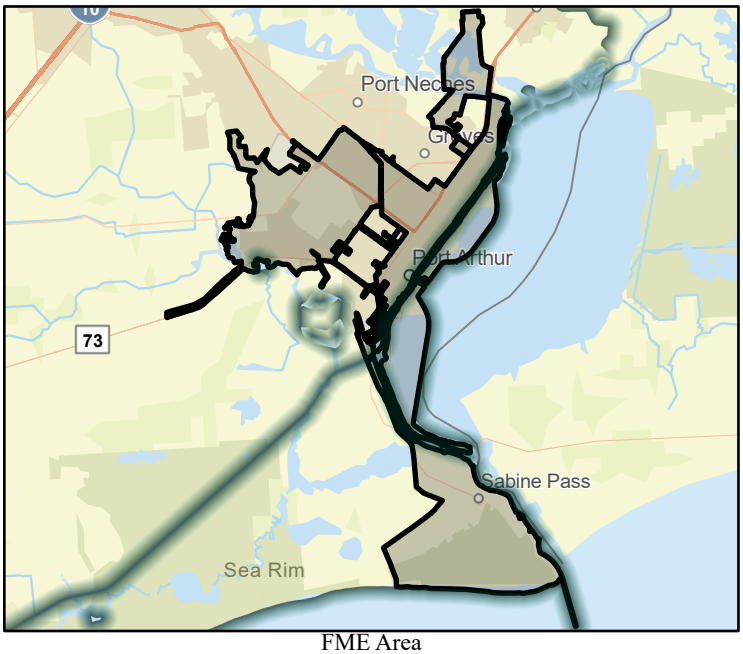
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 91.62 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	44,779	Structures at Risk	20,078	Critical Facilities at Risk	224
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	278.91	Impacted Roadway Miles	364.55
Low Water Crossings	23	Total Historical Road Closures	23	Residential at Risk	17,268



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Port Arthur Tiger Bayou Culvert Installation

FME ID: 05-51-0000000207 Sponsor Entity ID: 05-01-0000003087

Sponsor name: Port Arthur (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Improve storm water runoff by installing upgraded 8- foot by 7-foot concrete box in Tiger Bayou.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

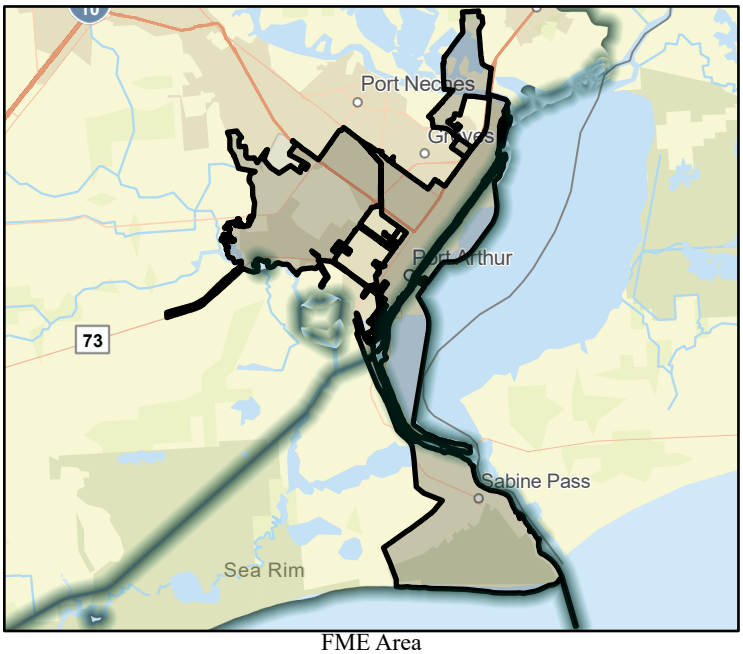
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 91.62 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	44,779	Structures at Risk	20,078	Critical Facilities at Risk	224
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	278.91	Impacted Roadway Miles	364.55
Low Water Crossings	23	Total Historical Road Closures	23	Residential at Risk	17,268



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Port Arthur North Port Acres Ditch Improvements

FME ID: 05-51-0000000208 Sponsor Entity ID: 05-01-0000003087

Sponsor name: Port Arthur (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Decrease floodplain width in North Port Acres Ditch through improved drainage.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

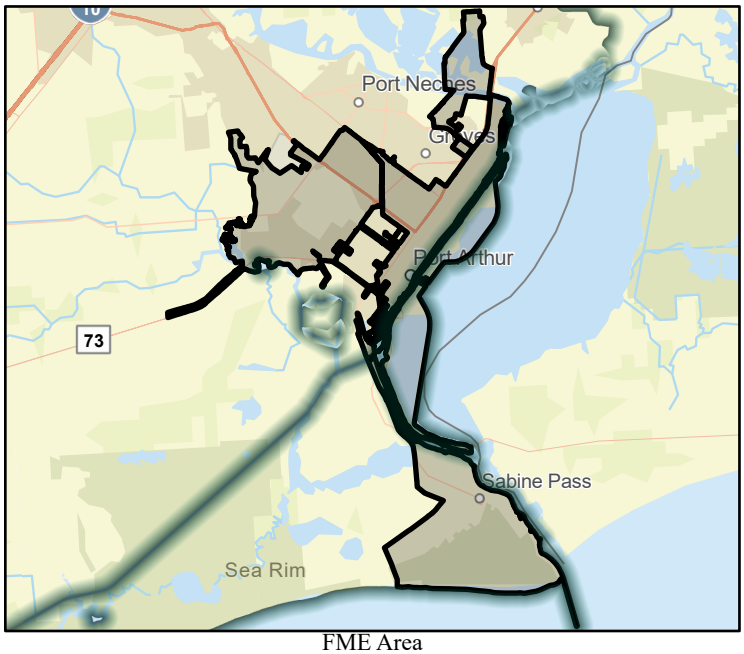
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 91.62 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	44,779	Structures at Risk	20,078	Critical Facilities at Risk	224
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	278.91	Impacted Roadway Miles	364.55
Low Water Crossings	23	Total Historical Road Closures	23	Residential at Risk	17,268



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Port Neches Crossing Improvements

FME ID: 05-51-0000000209 Sponsor Entity ID: 05-01-0000003088

Sponsor name: Port Neches (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Elevate or upgrade bridges, culverts and other crossings to reduce damages to infrastructure and reduce flooding caused by undersized crossings and culverts.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

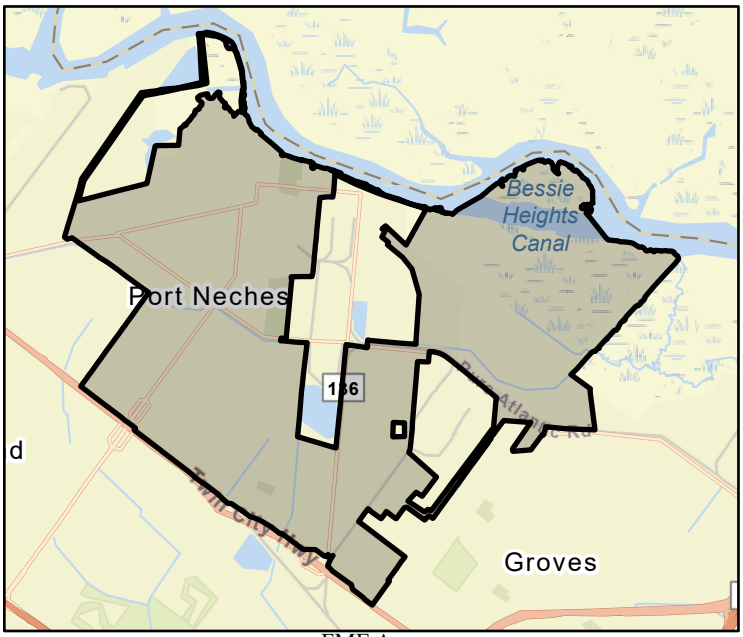
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 9.12 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	6,004	Structures at Risk	2,918	Critical Facilities at Risk	69
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	4.46	Impacted Roadway Miles	42.01
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	2,615



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Port Neches Drainage Improvements

FME ID: 05-51-0000000210 Sponsor Entity ID: 05-01-0000003088

Sponsor name: Port Neches (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Implement drainage improvements. Include installing/upgrading culverts, headwalls as well as enlarging storm water ditches and canal, stormwater detention and/or retention basins as deemed necessary to reduce flood risk.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

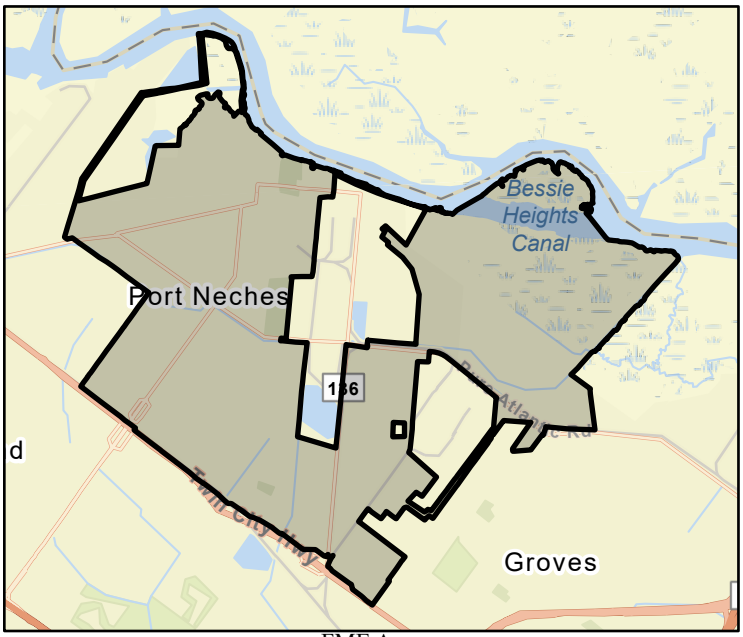
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 9.12 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	6,004	Structures at Risk	2,918	Critical Facilities at Risk	69
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	4.46	Impacted Roadway Miles	42.01
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	2,615



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Port Neches Flood Control Barrier Improvements

FME ID: 05-51-0000000211 Sponsor Entity ID: 05-01-0000003088

Sponsor name: Port Neches (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Implement flood protection measures to protect which can include but are not limited to constructing and/or upgrading sea walls, flood barriers, berms, and various wet and dry flood proofing measures.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

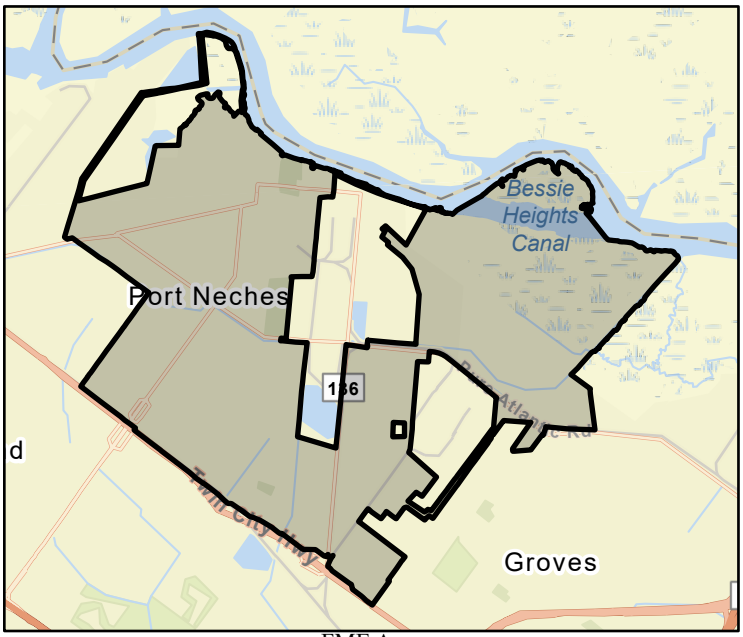
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 9.12 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	6,004	Structures at Risk	2,918	Critical Facilities at Risk	69
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	4.46	Impacted Roadway Miles	42.01
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	2,615



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Taylor Landing Master Drainage Plan

FME ID: 05-51-0000000212 Sponsor Entity ID: 05-01-0000002843

Sponsor name: Taylor Landing (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $500,000

FME Description: Complete engineering and/or H&H study of city drainage system. Implement suggestions based on study.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

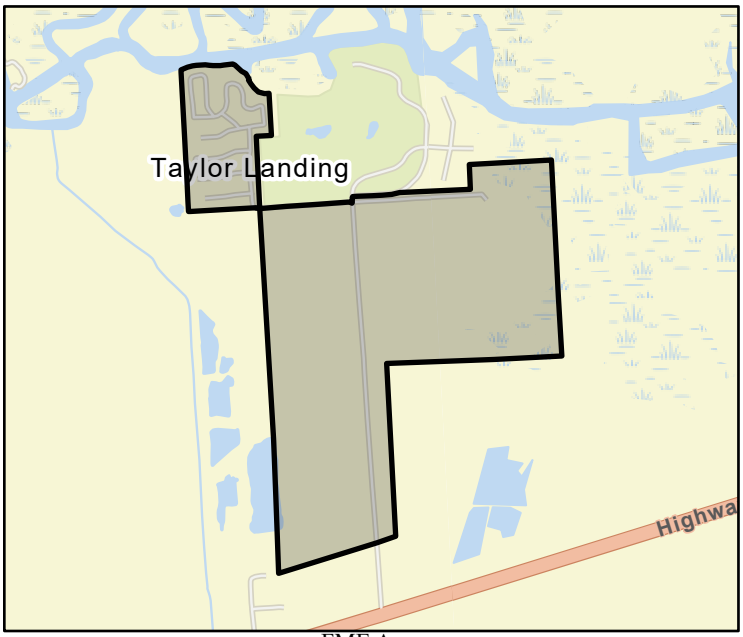
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 1.06 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	47	Structures at Risk	28	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3.62	Impacted Roadway Miles	0.26
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	25



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Taylor Landing Drainage Improvements

FME ID: 05-51-0000000213 Sponsor Entity ID: 05-01-0000002843

Sponsor name: Taylor Landing (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Conduct drainage improvements for the City of Taylor Landing. Actions can include but are not limited to installing/upgrading culverts, headwalls, enlarging storm water ditches and canals, constructing/upgrading detention/retention ponds.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

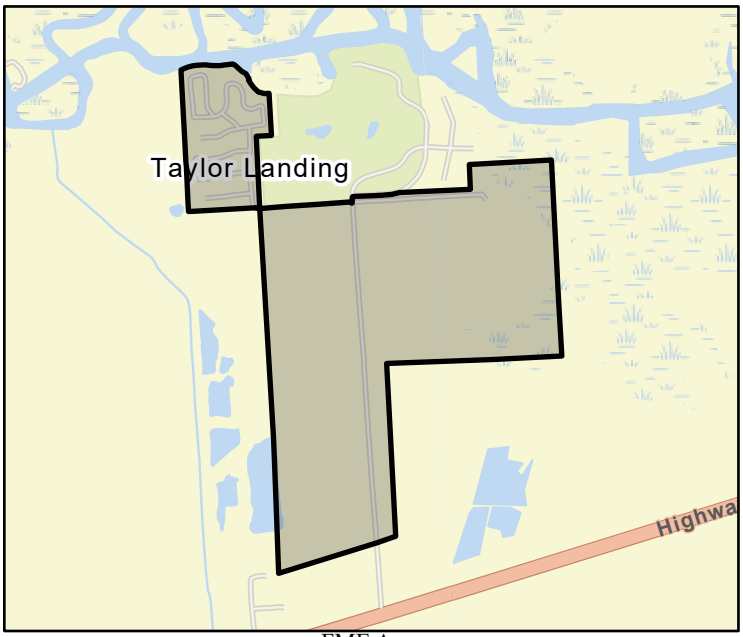
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 1.06 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	47	Structures at Risk	28	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3.62	Impacted Roadway Miles	0.26
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	25



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: LNVA Critical Infrastructure Drainage Facilities

FME ID: 05-51-0000000214 Sponsor Entity ID: 00-01-0000000302

Sponsor name: Lower Neches Valley Authority (River Authority)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Install drainage facilities at critical infrastructure sites.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

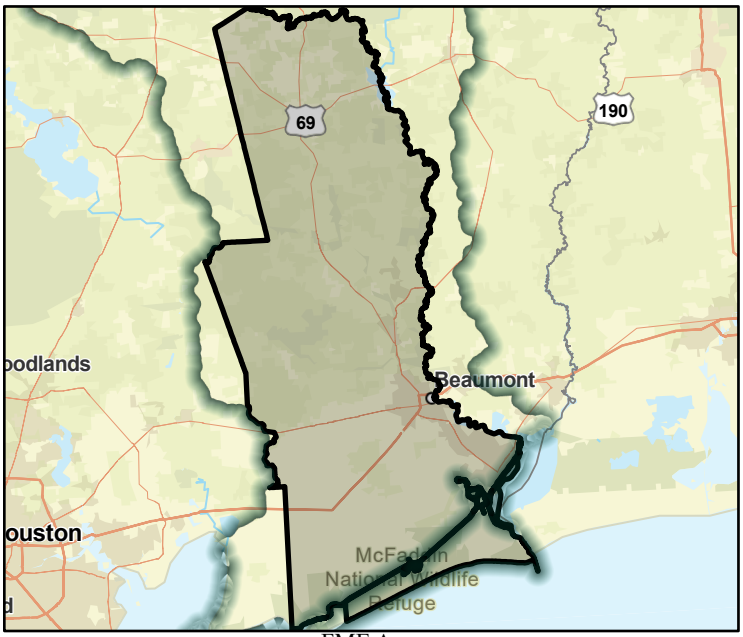
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 3,130.97 Assumptions/Relevant Context: N/A

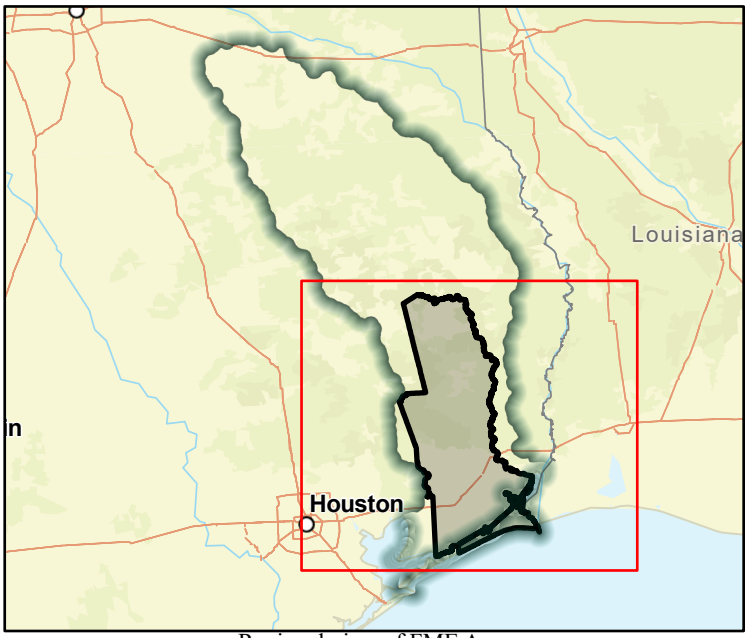
100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	178,810	Structures at Risk	75,095	Critical Facilities at Risk	2,079
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	95,889.18	Impacted Roadway Miles	1,796.69
Low Water Crossings	174	Total Historical Road Closures	174	Residential at Risk	60,430



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: SETRPC Drainage Improvements

FME ID: 05-51-0000000215 Sponsor Entity ID: 00-01-0000000274

Sponsor name: South East Texas Regional Planning Commission (Other)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Pursue drainage improvements. Actions can include but are not limited to installing/upgrading culverts and headwalls as well as enlarging storm water ditches and canals.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

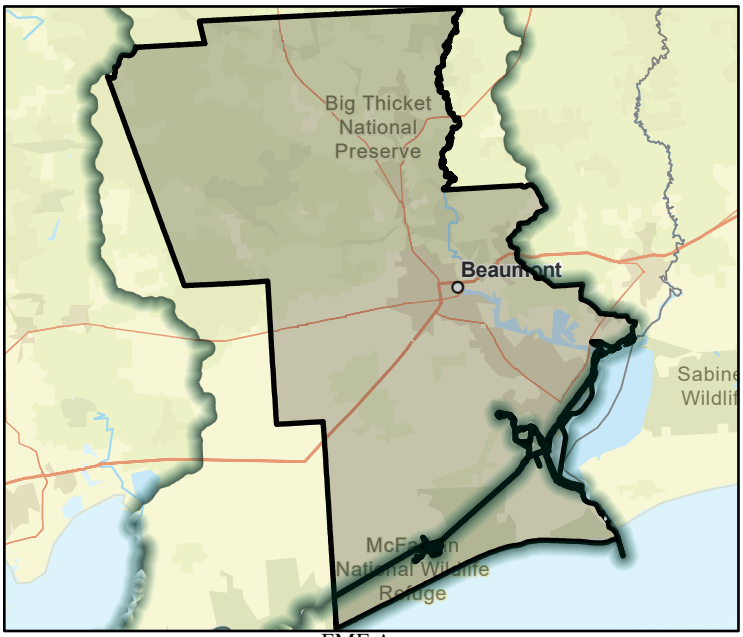
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 2,005.22 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	187,307	Structures at Risk	80,083	Critical Facilities at Risk	2,167
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	55,799.89	Impacted Roadway Miles	1,791.14
Low Water Crossings	172	Total Historical Road Closures	172	Residential at Risk	65,485



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: North Cheek Relief Ditch Improvements

FME ID: 05-51-0000000216 Sponsor Entity ID: 05-01-0000001731

Sponsor name: Jefferson County Drainage District 6 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $120,000

FME Description: Improve the North Cheek Relief Ditch and enlarge culvert in North Cheek Division.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

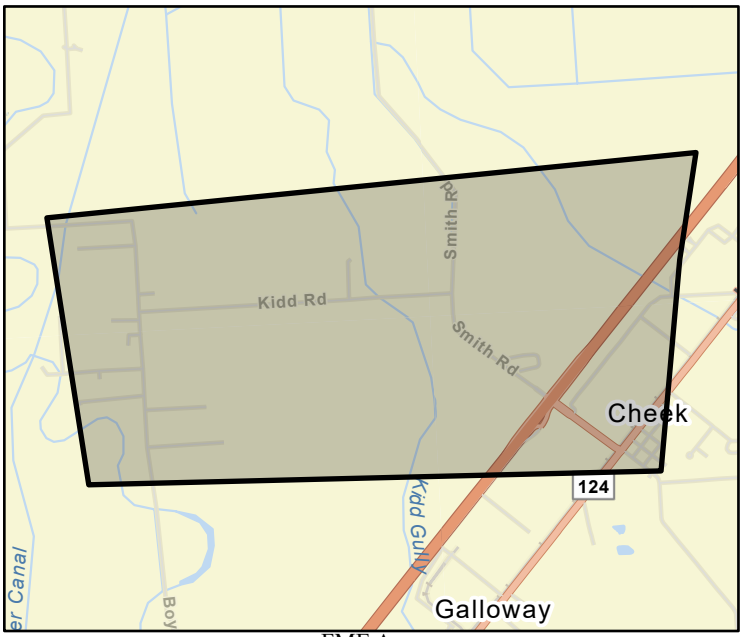
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 4.35 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	242	Structures at Risk	132	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	332.62	Impacted Roadway Miles	3.15
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	69



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Ditch 117 Improvements

FME ID: 05-51-0000000217 Sponsor Entity ID: 05-01-0000001731

Sponsor name: Jefferson County Drainage District 6 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Demolish existing concrete ditch and build new and enlarged $1.7 Million ditch to provide flood relief to Briarcliff and Delaware Street. Project will also add large concrete boxes.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

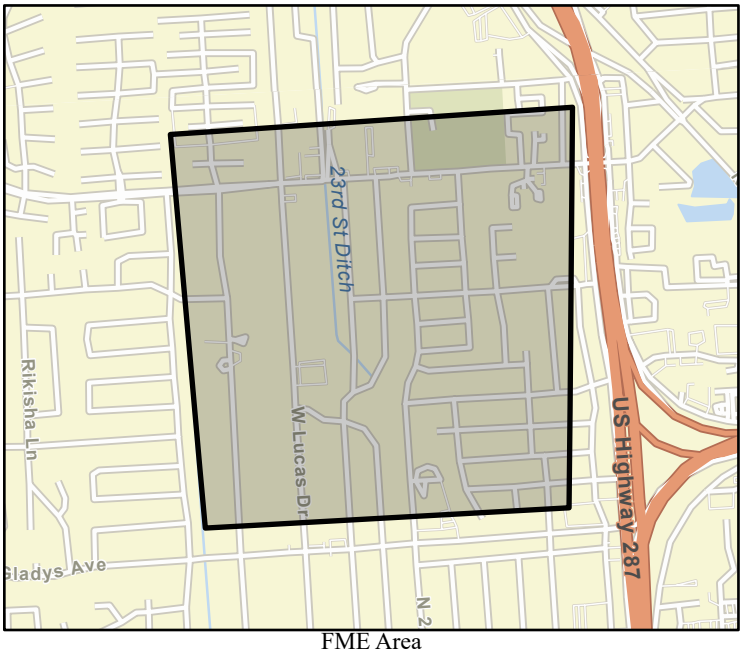
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 0.65 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	1,336	Structures at Risk	572	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	7.5
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	553



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Fannin Street Diversion in Hillebrandt Watershed

FME ID: 05-51-0000000218 Sponsor Entity ID: 05-01-0000001731

Sponsor name: Jefferson County Drainage District 6 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Divert flood flows out of the City of Beaumont and the Hillebrandt watershed into the Neches River to relieve flooding in Beaumont and relieve Hillebrandt Bayou downstream.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

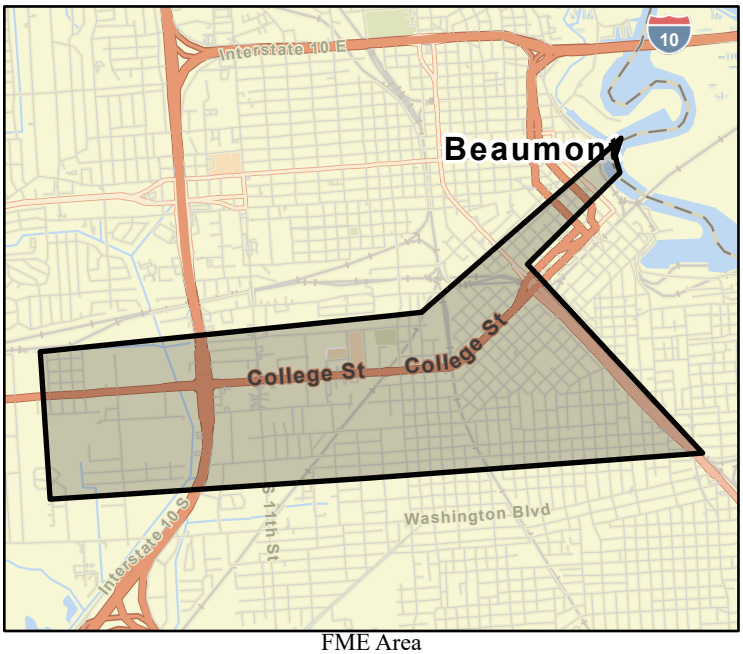
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 3.36 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	14,702	Structures at Risk	2,319	Critical Facilities at Risk	21
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	53.38
Low Water Crossings	2	Total Historical Road Closures	2	Residential at Risk	1,705



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Magnolia Ditch Improvements

FME ID: 05-51-0000000219 Sponsor Entity ID: 05-01-0000001731

Sponsor name: Jefferson County Drainage District 6 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Consists of making repairs to the existing channel by enlarging it or any other alternatives found by H&H studies to increase the runoff capacity – upgrading/enlarging all road, railroad, and pipeline crossing structures.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

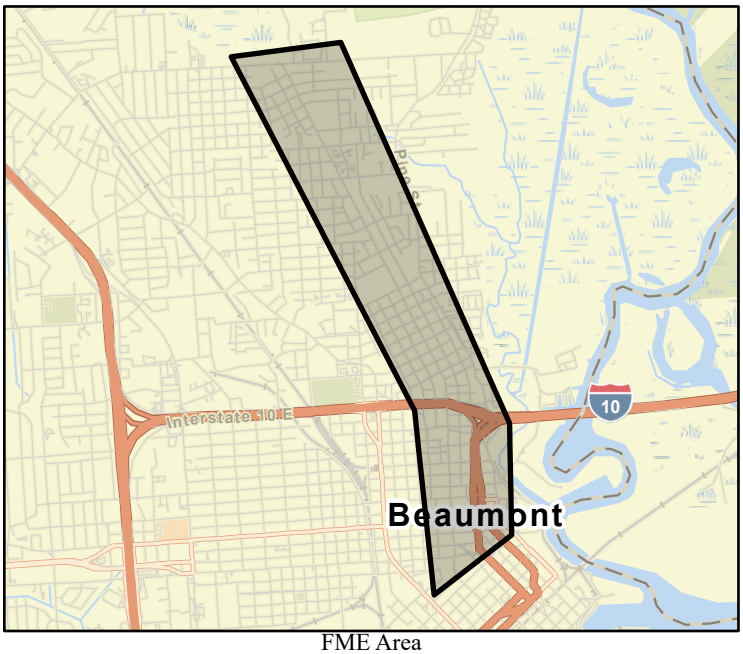
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 1.73 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	3,586	Structures at Risk	496	Critical Facilities at Risk	2
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	22.21
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	364



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Orange County Stormwater Conveyance Improvements

FME ID: 05-51-0000000220 Sponsor Entity ID: 00-01-0000000027

Sponsor name: Orange County (County)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Construct stormwater conveyance structures to improve drainage.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

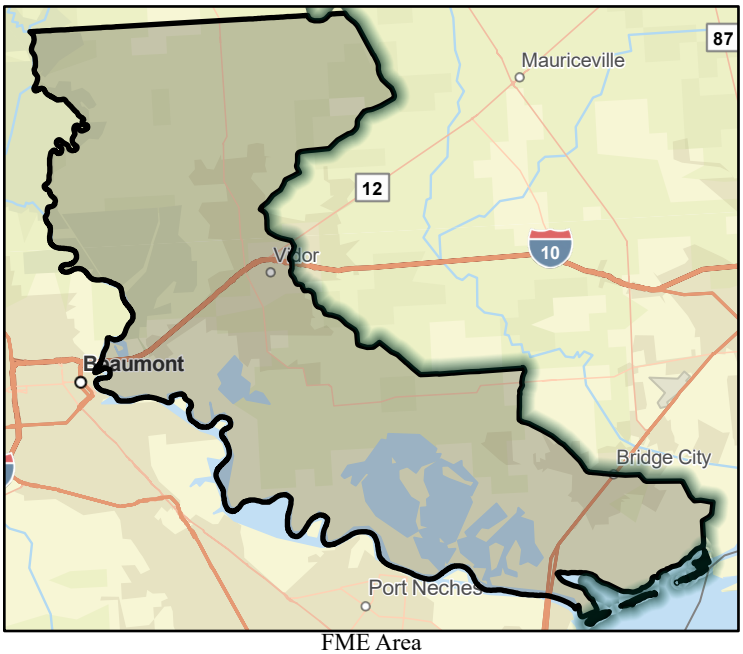
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 156.33 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	14,367	Structures at Risk	8,194	Critical Facilities at Risk	96
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	240.89	Impacted Roadway Miles	207.41
Low Water Crossings	26	Total Historical Road Closures	26	Residential at Risk	7,032



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Bridge City Storm Drain Additions and Improvements

FME ID: 05-51-0000000221 Sponsor Entity ID: 00-01-0000002919

Sponsor name: Bridge City (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Upgrade and add stormwater drainage throughout the city.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

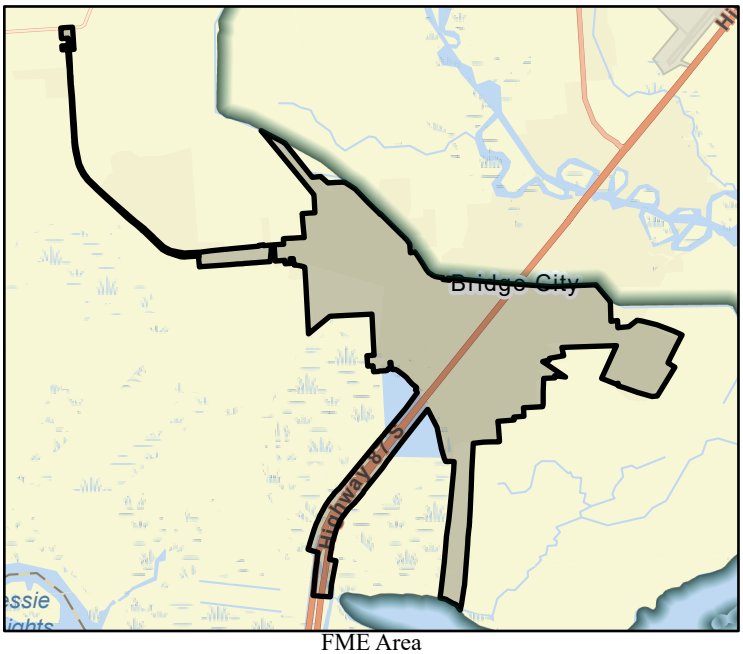
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 4.96 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	3,545	Structures at Risk	1,999	Critical Facilities at Risk	6
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.65	Impacted Roadway Miles	41.95
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	1,727



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Bridge City Undersized Storm Drain Imrprovements

FME ID: 05-51-0000000222 Sponsor Entity ID: 00-01-0000002919

Sponsor name: Bridge City (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Upgrade undersized stormwater drains and culverts.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

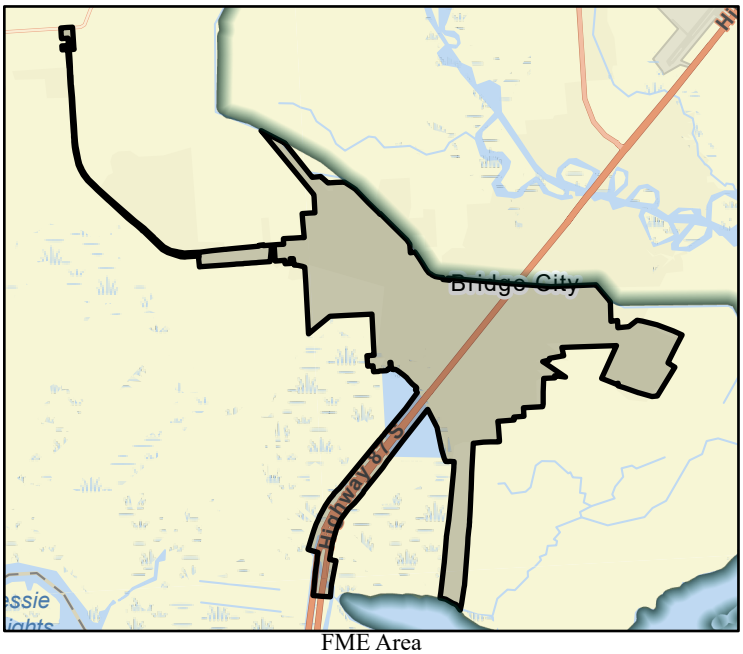
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 4.96 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	3,545	Structures at Risk	1,999	Critical Facilities at Risk	6
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.65	Impacted Roadway Miles	41.95
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	1,727



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Bridge City Low Water Crossing Improvements

FME ID: 05-51-0000000223 Sponsor Entity ID: 00-01-0000002919

Sponsor name: Bridge City (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Elevate and/or upgrade low water crossing to include cast-in-place, multi-box culvert.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

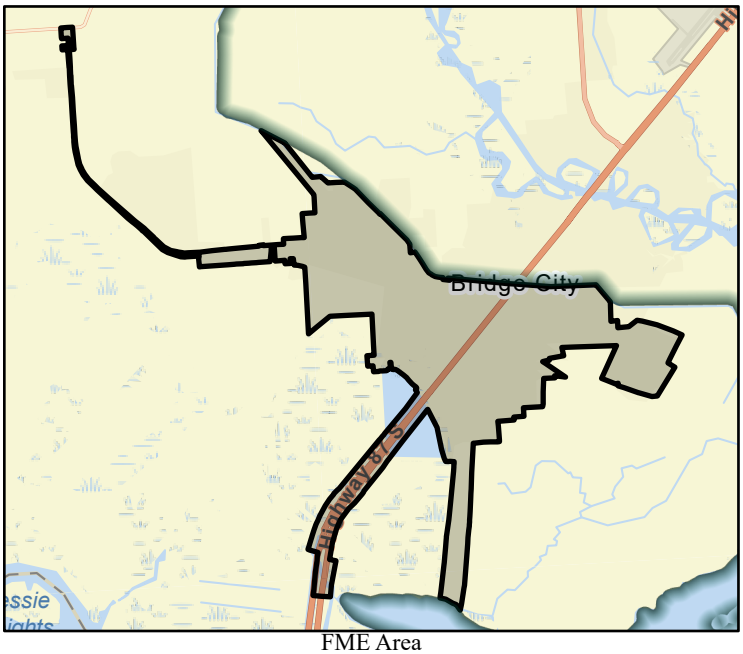
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 4.96 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	3,545	Structures at Risk	1,999	Critical Facilities at Risk	6
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.65	Impacted Roadway Miles	41.95
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	1,727



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Bridge City WWTP Floodproofing

FME ID: 05-51-0000000224 Sponsor Entity ID: 00-01-0000002919

Sponsor name: Bridge City (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Preparedness Est. FME Cost: $150,000

FME Description: Wastewater treatment plant improvement project - elevation of critical components and improvements for flood protection.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

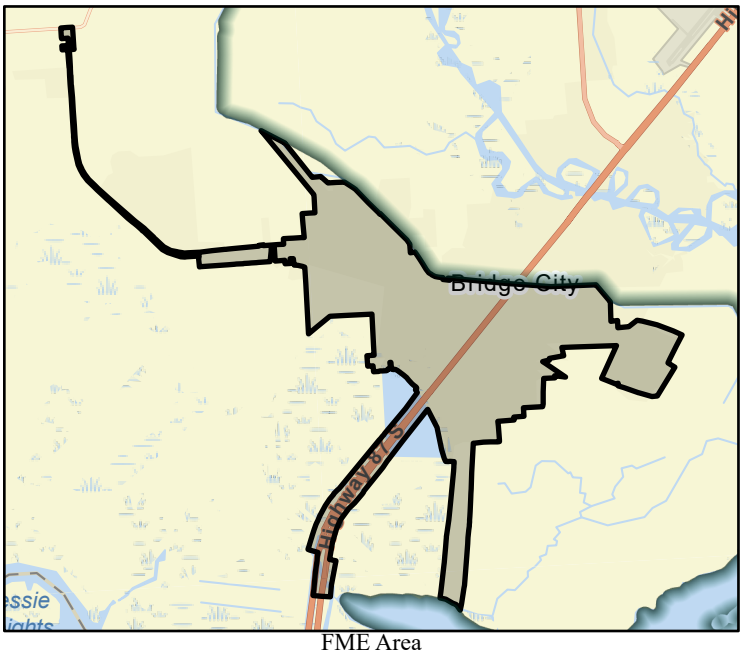
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 4.96 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	3,545	Structures at Risk	1,999	Critical Facilities at Risk	6
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.65	Impacted Roadway Miles	41.95
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	1,727



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Bridge City Detention/Retention Pond Improvements

FME ID: 05-51-0000000225 Sponsor Entity ID: 00-01-0000002919

Sponsor name: Bridge City (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Increase drainage capacity. Add stormwater detention and/or retention ponds as needed to reduce flood risk.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

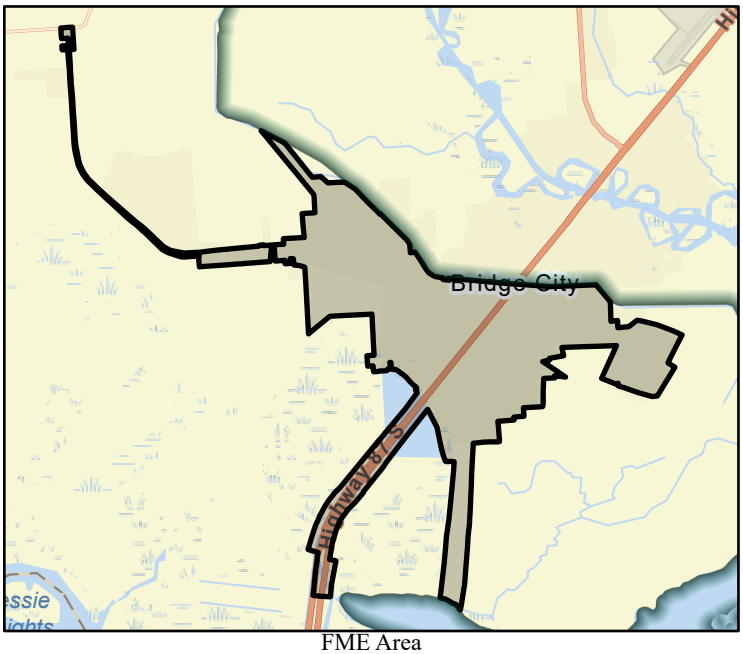
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 4.96 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	3,545	Structures at Risk	1,999	Critical Facilities at Risk	6
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.65	Impacted Roadway Miles	41.95
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	1,727



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Bridge City Master Drainage Plan

FME ID: 05-51-0000000226 Sponsor Entity ID: 00-01-0000002919

Sponsor name: Bridge City (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $350,000

FME Description: Conduct engineering and Hydrologic and Hydraulic (H&H) studies to better evaluate citywide drainage for Bridge City.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

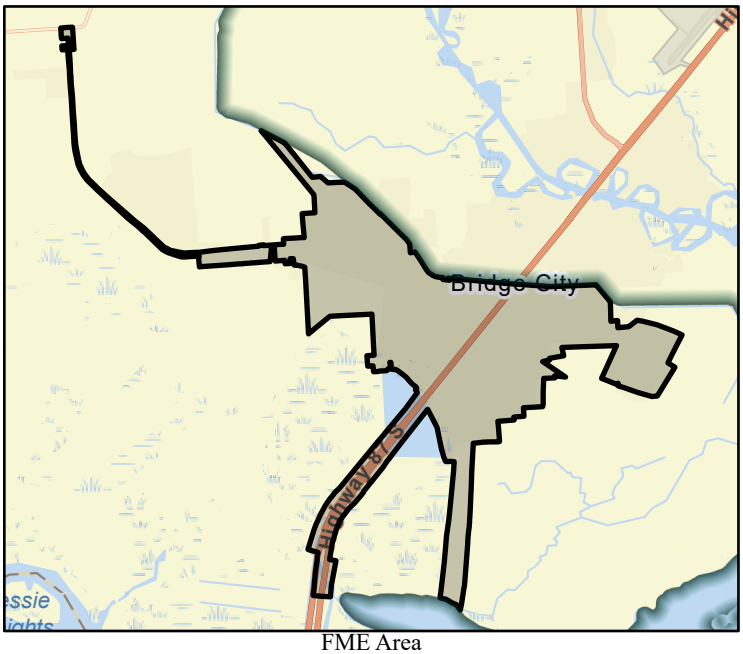
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 4.96 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	3,545	Structures at Risk	1,999	Critical Facilities at Risk	6
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.65	Impacted Roadway Miles	41.95
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	1,727



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Pine Forest Drainage Improvements

FME ID: 05-51-0000000227 Sponsor Entity ID: 00-01-0000002919

Sponsor name:

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Implement drainage improvements, including but not limited to adding stormwater retention/detention ponds, upgrading undersized drains and culverts, and/or clearing debris.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

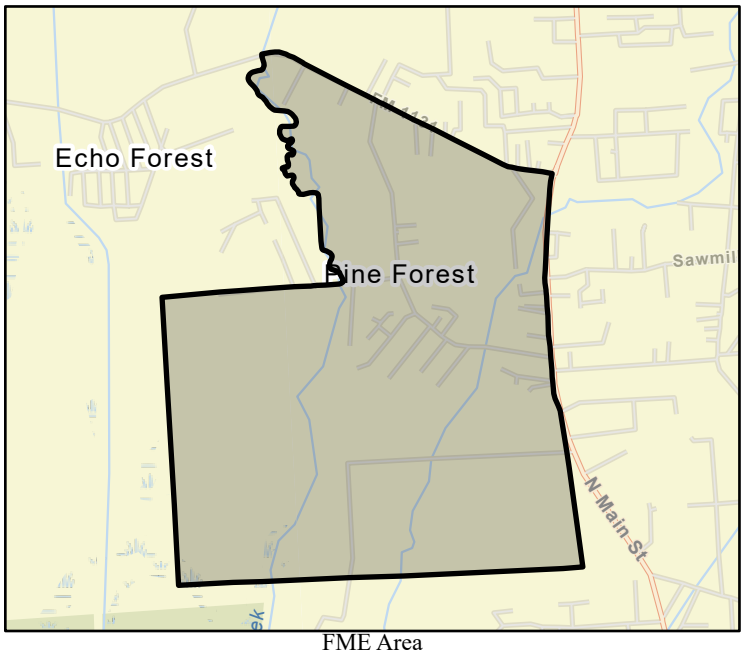
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 2.84 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	422	Structures at Risk	227	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	5.89
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	213



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Pine Forest Tiger, Ten Mile and Caney Creek Channel Improvements

FME ID: 05-51-0000000228 Sponsor Entity ID: 00-01-0000002919

Sponsor name:

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Excavate channels to bring Tiger, Ten Mile, and Caney Creeks into an area containing sand pits. Locks will be added to control water elevations and protect against storm surge. An outlet channel will be constructed to the Neches River.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

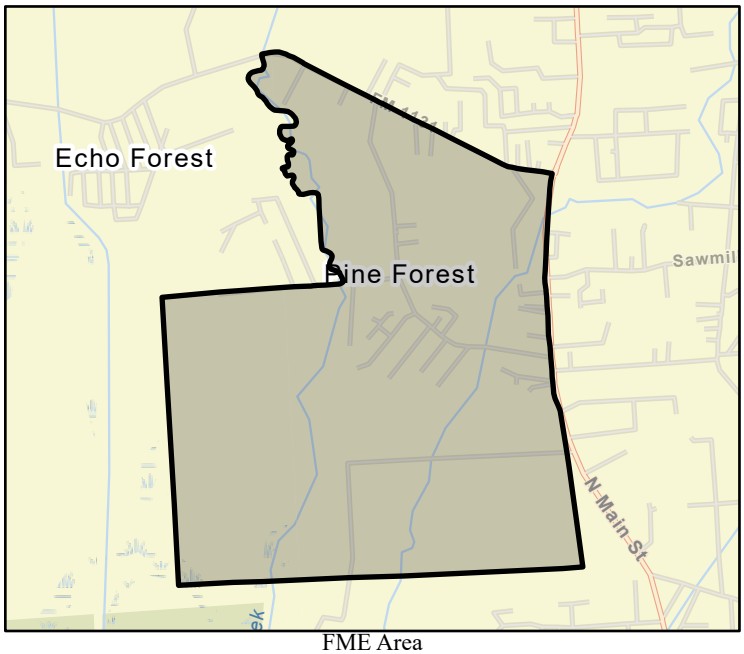
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 2.84 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	422	Structures at Risk	227	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	5.89
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	213



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Rose City Recommended Drainage Improvements

FME ID: 05-51-0000000229 Sponsor Entity ID: 05-01-0000003019

Sponsor name: Rose City (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Based on engineering study, implement drainage improvements as recommended in select site locations.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

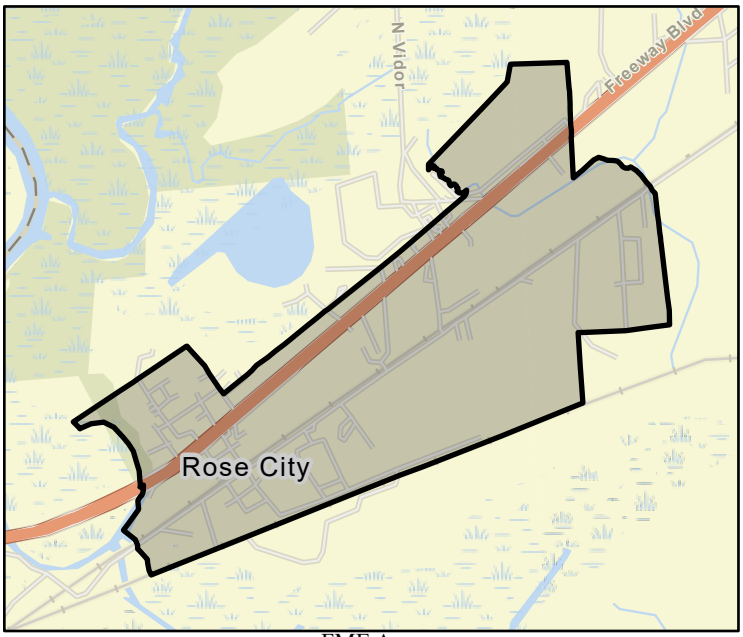
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 1.74 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	583	Structures at Risk	338	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	16.79
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	233



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Rose City Wetland Flood Mitigation Study

FME ID: 05-51-0000000230 Sponsor Entity ID: 05-01-0000003019

Sponsor name: Rose City (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $350,000

FME Description: Develop drainage study to identify flood mitigtion measures in and around city areas now deemed wetlands. Explore previous study completed on area to explore any feasible improvements.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

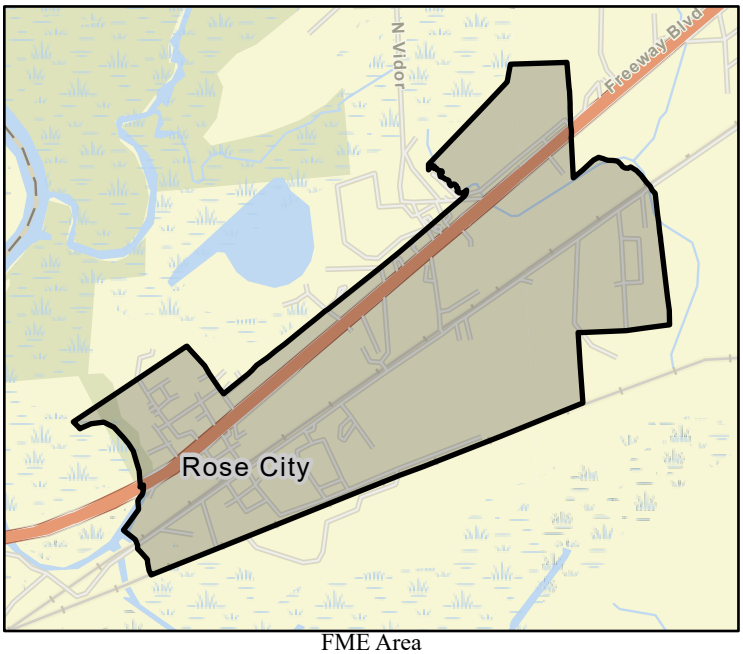
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 1.74 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	583	Structures at Risk	338	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	16.79
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	233



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Rose City Drainage Improvements

FME ID: 05-51-0000000231 Sponsor Entity ID: 05-01-0000003019

Sponsor name: Rose City (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Implement drainage improvements, including but not limited to, adding stormwater retention/detention ponds, upgrading undersized drains and culverts.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

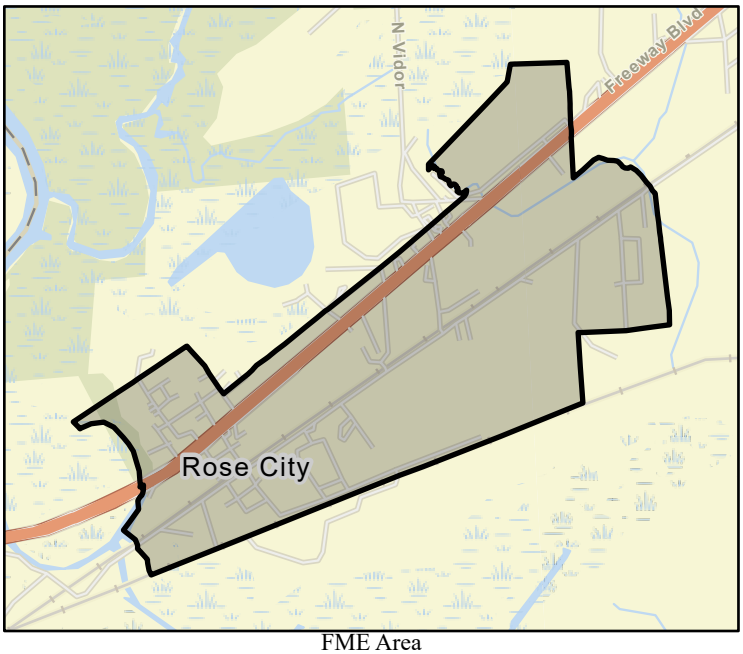
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 1.74 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	583	Structures at Risk	338	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	16.79
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	233



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Vidor Detention/Retention Pond Improvements

FME ID: 05-51-0000000232 Sponsor Entity ID: 00-01-0000002542

Sponsor name: Vidor (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Increase drainage capacity, add stormwater detention and/or retention ponds and/or culverts as deemed necessary to reduce flood risk citywide.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

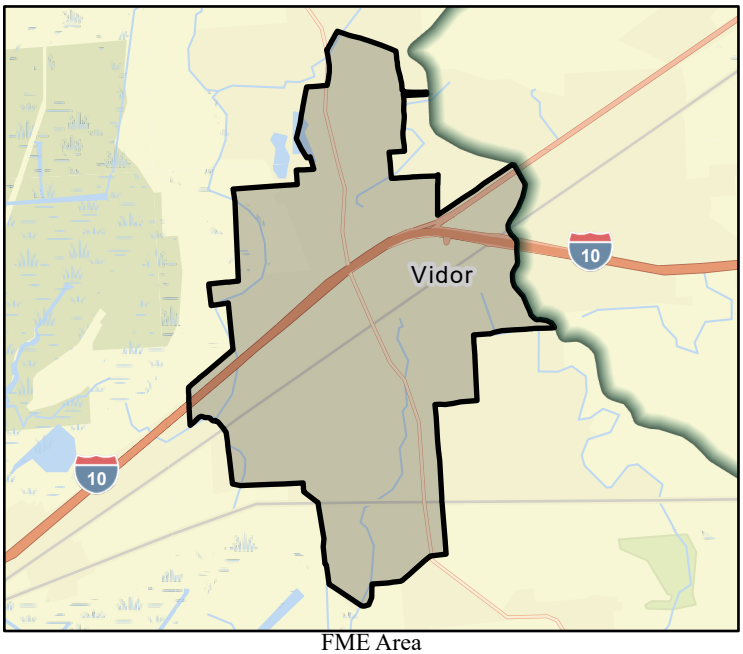
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 7.62 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	5,460	Structures at Risk	1,891	Critical Facilities at Risk	51
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.93	Impacted Roadway Miles	41.75
Low Water Crossings	7	Total Historical Road Closures	7	Residential at Risk	1,536



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Vidor Orange Street Culvert Replacement

FME ID: 05-51-0000000233 Sponsor Entity ID: 00-01-0000002542

Sponsor name: Vidor (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Replacement of the undersized Orange Street Culvert crossing at Lateral 5. The project will involve the removal of the existing crossing and construction of a new culvert crossing with larger culverts.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

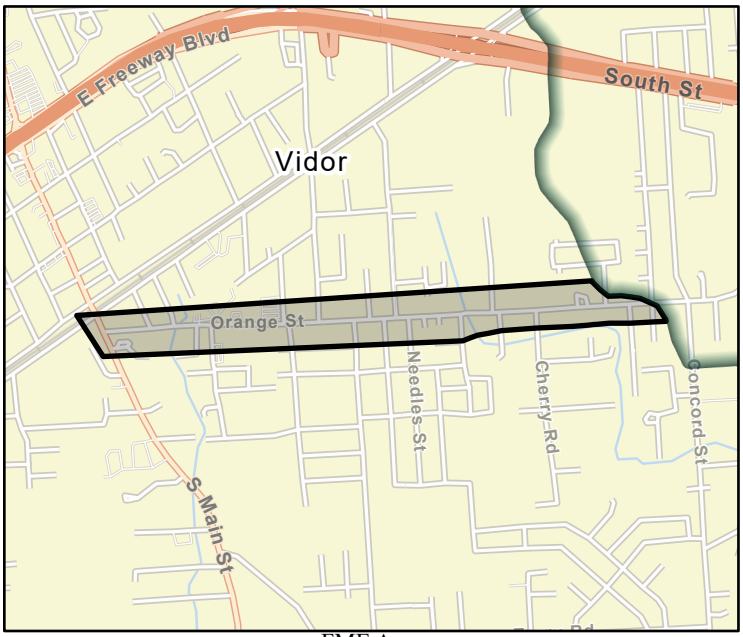
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 0.19 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	601	Structures at Risk	107	Critical Facilities at Risk	5
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.82
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	94



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Vidor City Hall and 1st Street Drainage Improvements

FME ID: 05-51-0000000234 Sponsor Entity ID: 00-01-0000002542

Sponsor name: Vidor (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $350,000

FME Description: Economic and drainage improvements in the area of the city hall on 1st Street. Improve drainage along North Archie and 1st Streets to include a town square. This activity will include development of an H&H study for the area.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

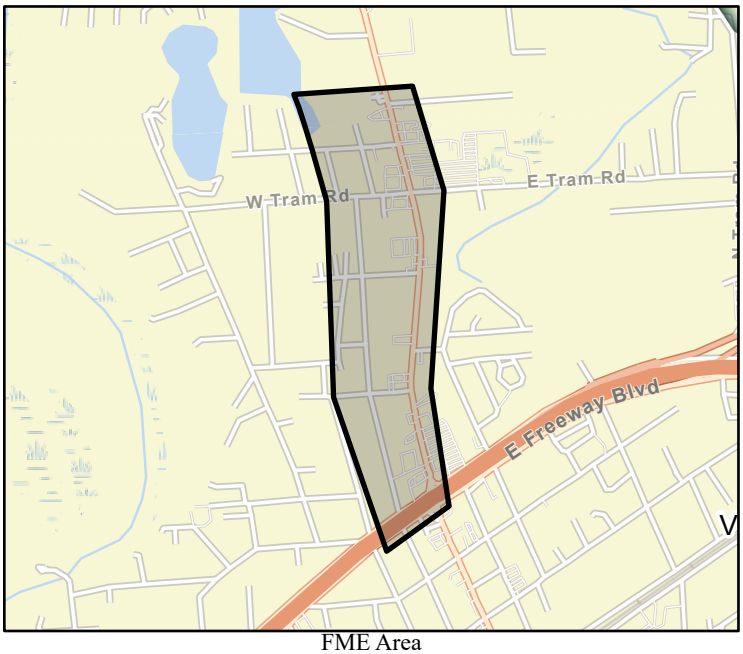
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.28 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	312	Structures at Risk	99	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	2.64
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	43



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Orange County DD Tyler Estates and Suncrest Drainage Ditch Design

FME ID: 05-51-0000000235 Sponsor Entity ID: 00-01-0000000512

Sponsor name: Orange County Drainage District (Flood District)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Construct a new drainage ditch(es) that will provide or improve drainage from Tyler Estate Subdivision, Suncrest, and adjacent areas.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

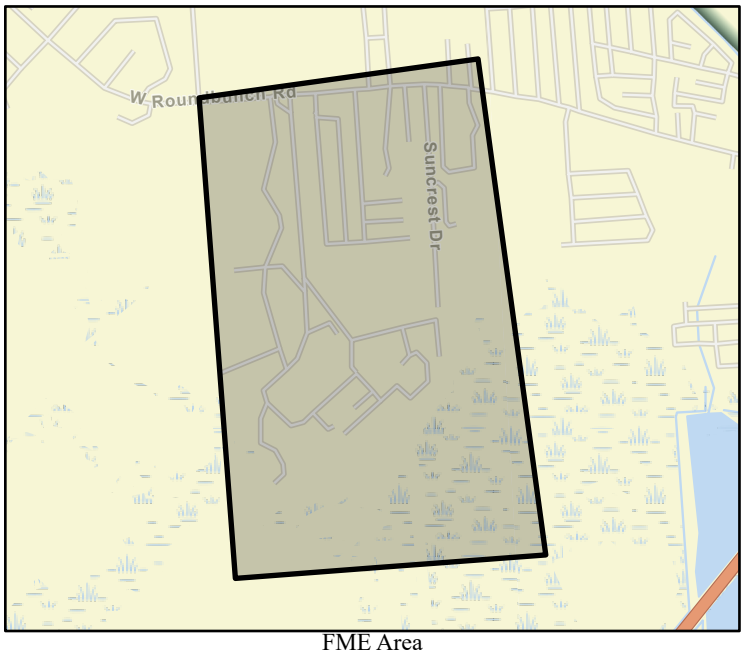
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 1.91 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	185	Structures at Risk	187	Critical Facilities at Risk	29
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	3.2
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	130



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Orange County DD Susan Circle Outfall Ditch Extension

FME ID: 05-51-0000000236 Sponsor Entity ID: 00-01-0000000512

Sponsor name: Orange County Drainage District (Flood District)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Construct the Susan Circle Outfall Ditch Extension Improvement Project.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.1 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	8	Structures at Risk	3	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.23
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	3



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Orange County DD Bridgefield Outfall Ditch Improvements

FME ID: 05-51-0000000237 Sponsor Entity ID: 00-01-0000000512

Sponsor name: Orange County Drainage District (Flood District)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Design and construct the improvement and/or extension of the Bridgefield Outfall Ditch. Perform an H&H study of the Bridgefield Outfall Ditch and the Bessie Heights Marsh to determine drainage project.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

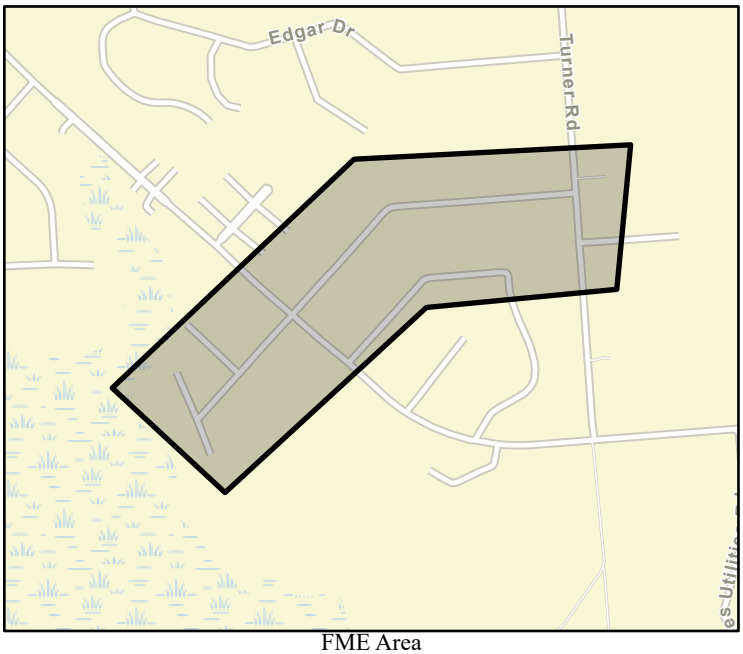
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.27 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	64	Structures at Risk	48	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.31
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	48



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Orange County DD TxDOT Crossing Improvements

FME ID: 05-51-0000000238 Sponsor Entity ID: 00-01-0000000512

Sponsor name: Orange County Drainage District (Flood District)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Improve and increase drainage culvert capacity underneath TXDOT highways within Orange County. This mitigation would include raising and/or removal of bridges and other structures that impair drainage.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

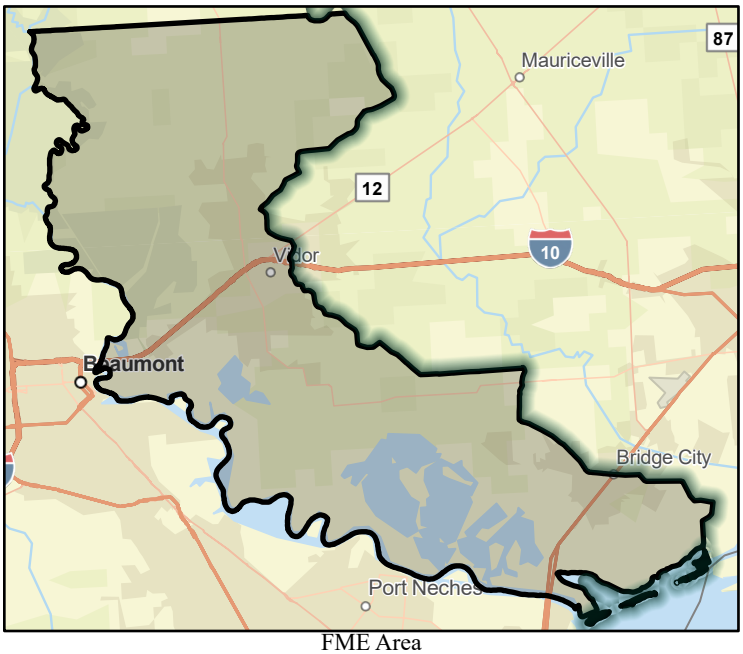
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 156.33 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	14,367	Structures at Risk	8,194	Critical Facilities at Risk	96
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	240.89	Impacted Roadway Miles	207.41
Low Water Crossings	26	Total Historical Road Closures	26	Residential at Risk	7,032



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Orange County DD Crossing Improvements

FME ID: 05-51-0000000239 Sponsor Entity ID: 00-01-0000000512

Sponsor name: Orange County Drainage District (Flood District)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Improve and increase drainage culvert capacity underneath roads owned and/or maintained by Orange County. This mitigation would include raising and/or removal of bridges and other structures that impair drainage.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

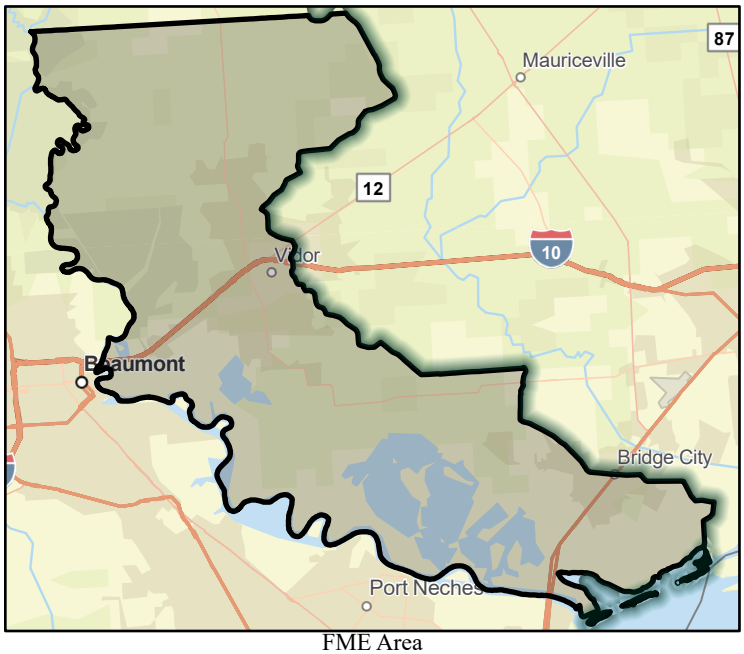
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 156.33 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	14,367	Structures at Risk	8,194	Critical Facilities at Risk	96
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	240.89	Impacted Roadway Miles	207.41
Low Water Crossings	26	Total Historical Road Closures	26	Residential at Risk	7,032



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Liberty County Dam/Levee Risk Assessments

FME ID: 05-51-0000000240 Sponsor Entity ID: 00-01-0000000033

Sponsor name: Liberty County (County)

RFPG recommend? No Reason for Recommendation: Defer to Trinity Region

FME Details

FME Type: Project Planning Est. FME Cost: $600,000

FME Description: Address data deficiencies for flooding, expansive soils, erosion and dam/levee failure hazards. Conduct a risk assessment of all dams categorized as high or significant hazard potential.

County: Liberty Existing/Anticipated Models? Yes New H&H Model? Yes

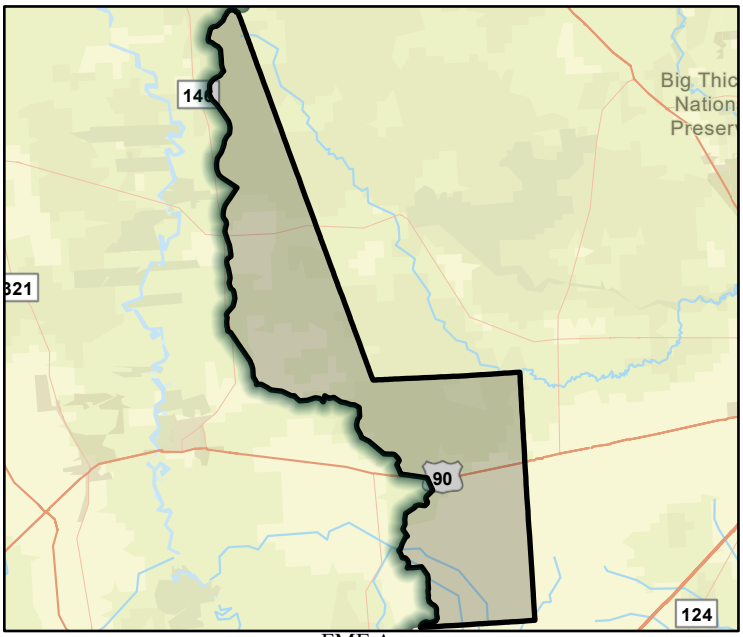
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 236.4 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	999	Structures at Risk	757	Critical Facilities at Risk	9
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3,795.9	Impacted Roadway Miles	36.96
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	515



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Drainage Improvements

FME ID: 05-51-0000000241 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $750,000

FME Description: Pursue drainage improvements: Actions can include, but are not limted to, installing/upgrading culverts and headwalls as well as enlarging stormwater ditches and canals.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

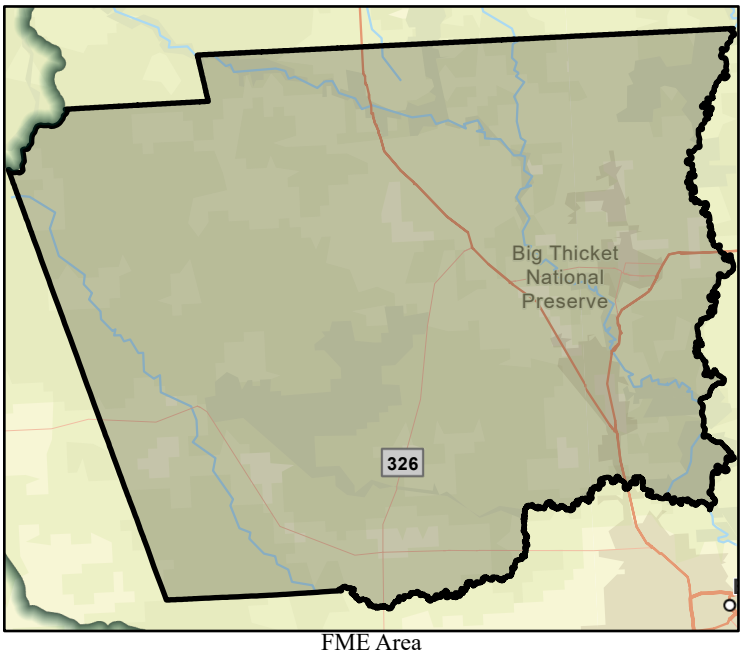
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 891.15 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	11,420	Structures at Risk	6,135	Critical Facilities at Risk	59
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1,020.87	Impacted Roadway Miles	286.2
Low Water Crossings	20	Total Historical Road Closures	20	Residential at Risk	4,133



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Flood Control Barrier Improvements

FME ID: 05-51-0000000242 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Implement construction, expansion, and maintenance of flood control structures/barriers for the purpose of mitigating damage and protect freshwater resources from storm surge, sea level rise, and other sources of saltwater intrusion.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

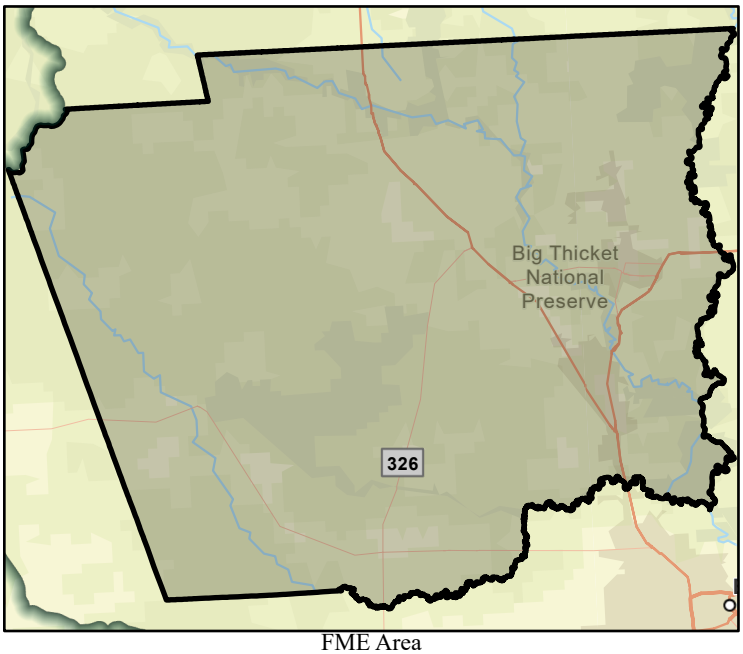
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 891.15 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	11,420	Structures at Risk	6,135	Critical Facilities at Risk	59
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1,020.87	Impacted Roadway Miles	286.2
Low Water Crossings	20	Total Historical Road Closures	20	Residential at Risk	4,133



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Flood Control Reservoir Design and Construction

FME ID: 05-51-0000000243 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Design and construct large reservoir for flood control/drought assistance.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

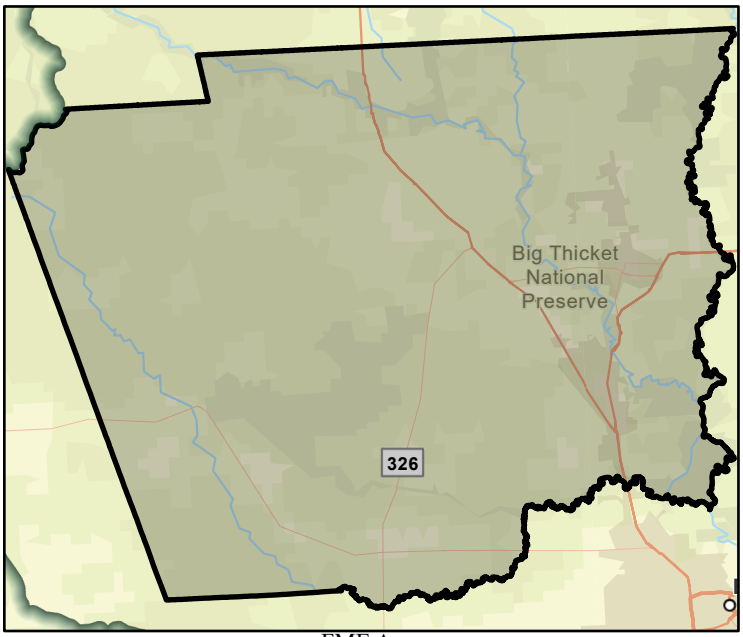
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 891.15 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	11,420	Structures at Risk	6,135	Critical Facilities at Risk	59
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1,020.87	Impacted Roadway Miles	286.2
Low Water Crossings	20	Total Historical Road Closures	20	Residential at Risk	4,133



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Crossing Improvements

FME ID: 05-51-0000000244 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Elevate existing roadways and bridges prone to inundation from flooding. Projects can include general road elevation, installing, upsizing culverts and headwalls, and bridge upgrades.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

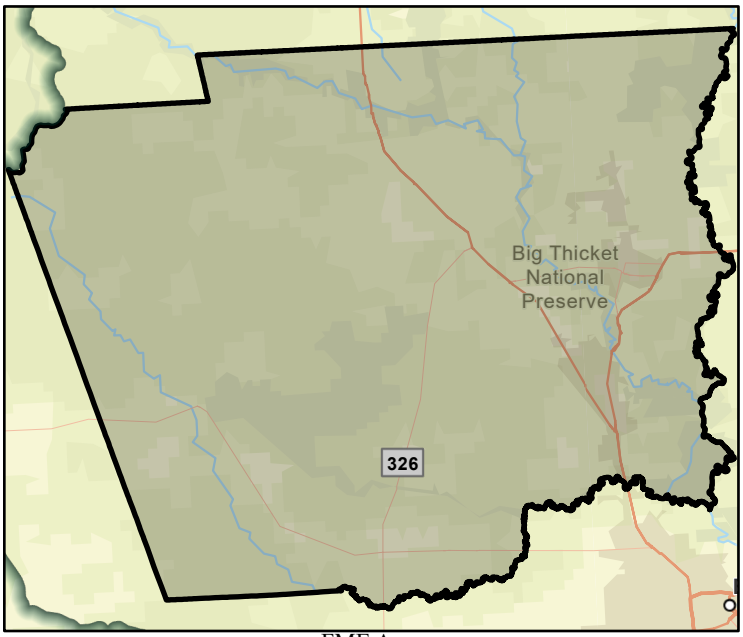
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 891.15 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	11,420	Structures at Risk	6,135	Critical Facilities at Risk	59
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1,020.87	Impacted Roadway Miles	286.2
Low Water Crossings	20	Total Historical Road Closures	20	Residential at Risk	4,133



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Kountze Detention/Retention Ponds and Pump Station Improvements

FME ID: 05-51-0000000245 Sponsor Entity ID: 05-01-0000003028

Sponsor name: Kountze (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Increase drainage capacity, add stormwater detention and/or retention basins as deemed necessary to reduce flood risk, add stormwater pumping stations in areas where gravity flow of stormwater is not feasible.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

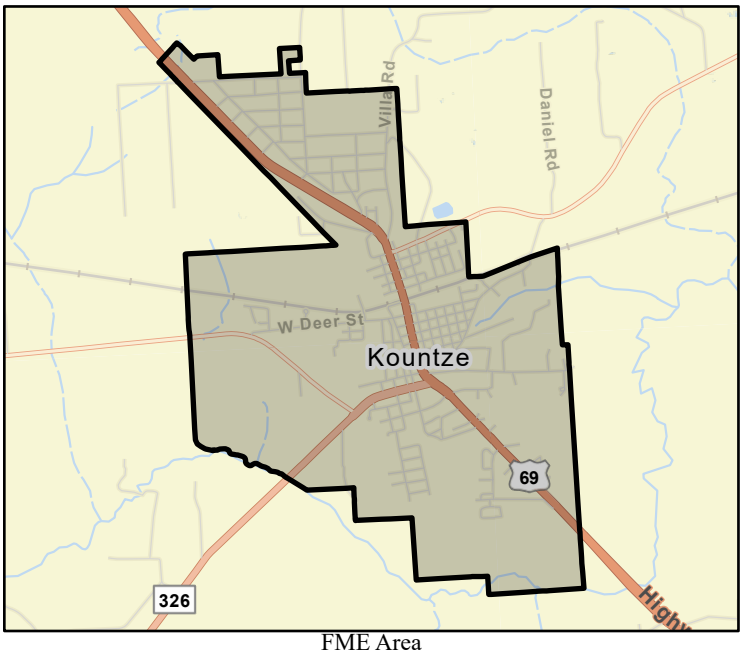
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 3.99 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	127	Structures at Risk	94	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	3.94
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	55



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Kountze Crossing Improvements

FME ID: 05-51-0000000246 Sponsor Entity ID: 05-01-0000003028

Sponsor name: Kountze (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Elevate roadways and bridges prone to inundation from flooding. Projects can include general road elevation, installing, upsizing culverts and headwalls, and bridge upgrades

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

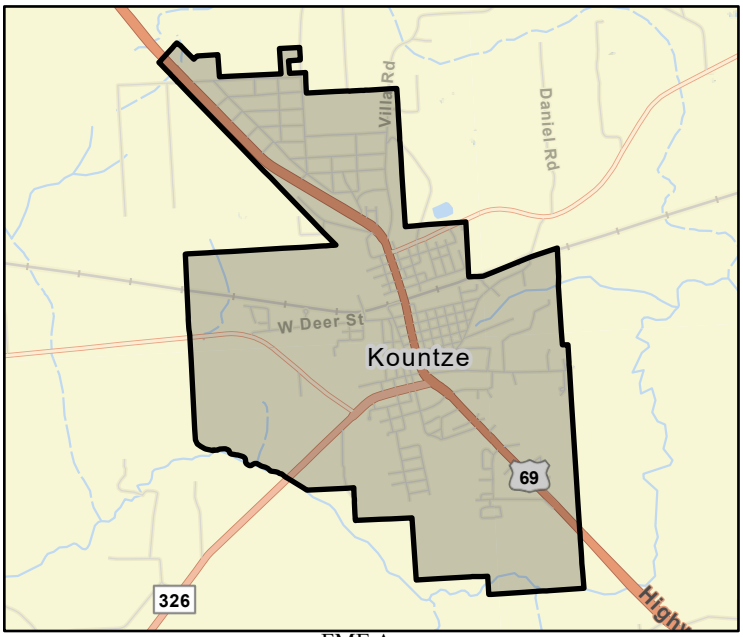
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 3.99 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	127	Structures at Risk	94	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	3.94
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	55



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Lumberton Stormwater Retention and Water Supply Ponds

FME ID: 05-51-0000000247 Sponsor Entity ID: 05-01-0000002488

Sponsor name: Lumberton (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Construct water retention ponds to collect stormwater runoff, reduce flooding and use as an alternate water source throughout the city.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

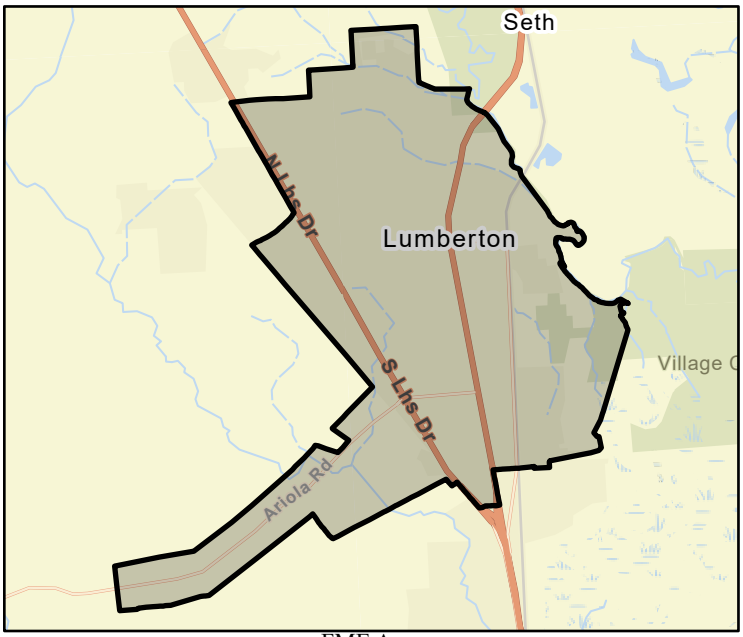
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 13.51 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	3,417	Structures at Risk	1,536	Critical Facilities at Risk	18
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	19.06	Impacted Roadway Miles	35.35
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	1,045



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Rose Hill Acres Drainage Improvements

FME ID: 05-51-0000000248 Sponsor Entity ID: 05-01-0000003029

Sponsor name: Rose Hill Acres (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Upgrade stormwater capacity throughout the City. Actions include but are not limited to installing/upgrading culverts and headwalls, and enlarging stormwater ditches and canals.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

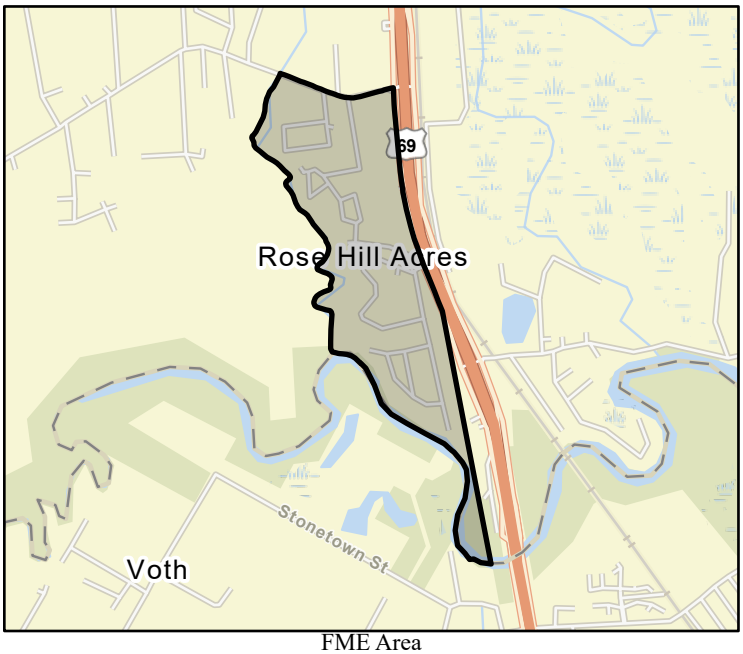
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 0.4 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	135	Structures at Risk	70	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.1
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	65



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Silsbee Drainage Improvements

FME ID: 05-51-0000000249 Sponsor Entity ID: 05-01-0000002932

Sponsor name: Silsbee (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Implement drainage improvements. Actions can include but are not limited to installing/upgrading culverts and headwalls, and enlarging stormwater ditches and canals.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

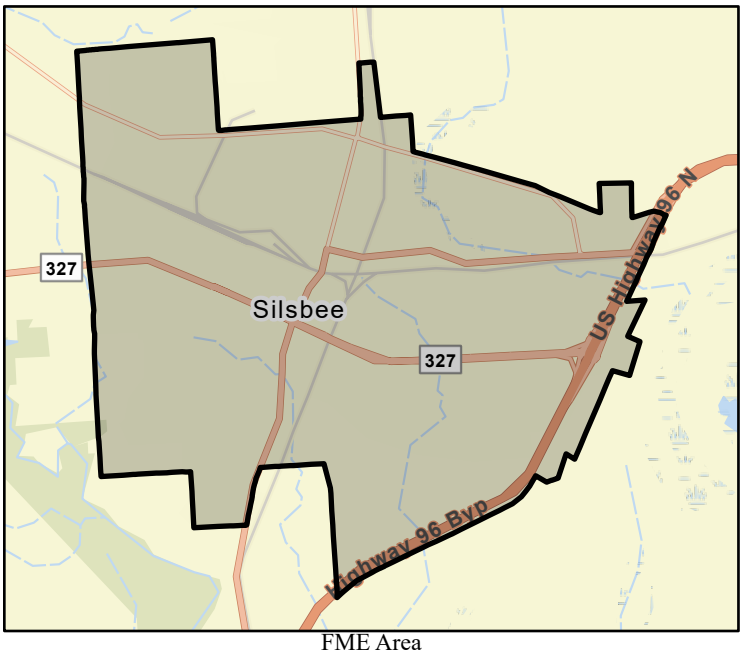
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 7.73 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	2,251	Structures at Risk	386	Critical Facilities at Risk	7
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	12.64
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	265



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Silsbee Stormwater Capacity Upgrades

FME ID: 05-51-0000000250 Sponsor Entity ID: 05-01-0000002932

Sponsor name: Silsbee (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Upgrade stormwater capacity throughout the City. Actions include but are not limited to installing/upgrading culverts and headwalls, and enlarging stormwater ditches and canals.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

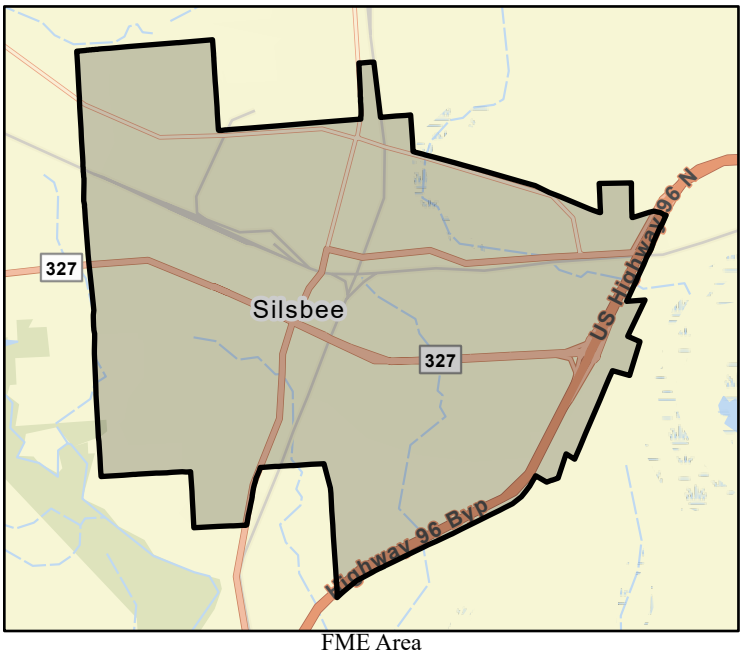
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 7.73 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	2,251	Structures at Risk	386	Critical Facilities at Risk	7
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	12.64
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	265



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Corrigan Detention Pond

FME ID: 05-51-0000000251 Sponsor Entity ID: 05-01-0000003501

Sponsor name: Corrigan (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $750,000

FME Description: Create a detention pond to address flooding on W. Fifth Street, Voss St., W Third St, W First St, and W Front St.

County: Polk Existing/Anticipated Models? Yes New H&H Model? Yes

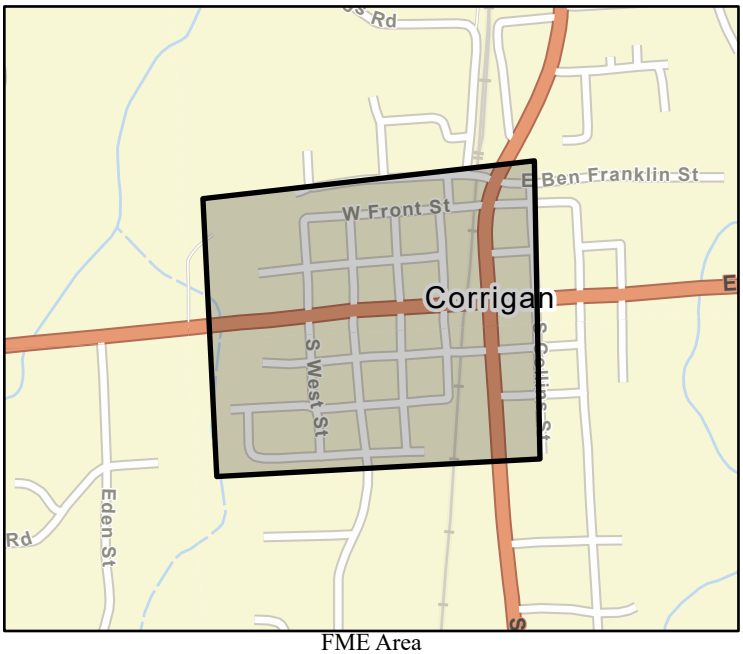
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.16 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	13	Structures at Risk	7	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	3



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Corrigan Drainage Capacity Improvement to HS Baseball Field Drainage Canal

FME ID: 05-51-0000000252 Sponsor Entity ID: 05-01-0000003501

Sponsor name: Corrigan (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Increase capacity of drainage canal behind high school baseball field to prevent flooding school property.

County: Polk Existing/Anticipated Models? Yes New H&H Model? Yes

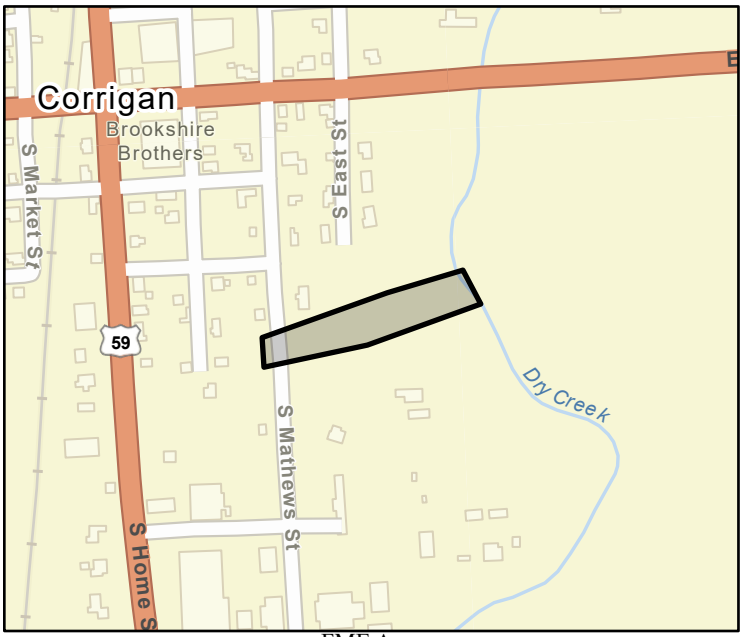
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	0	Structures at Risk	0	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Angelina County Twin Oaks Rd Roadway Improvements

FME ID: 05-51-0000000253 Sponsor Entity ID: 05-01-0000000125

Sponsor name: Angelina County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Elevate and regrade 1.82 mile stretch of Twin Oaks Road to mitigate flooding impacts and improve emergency access.

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

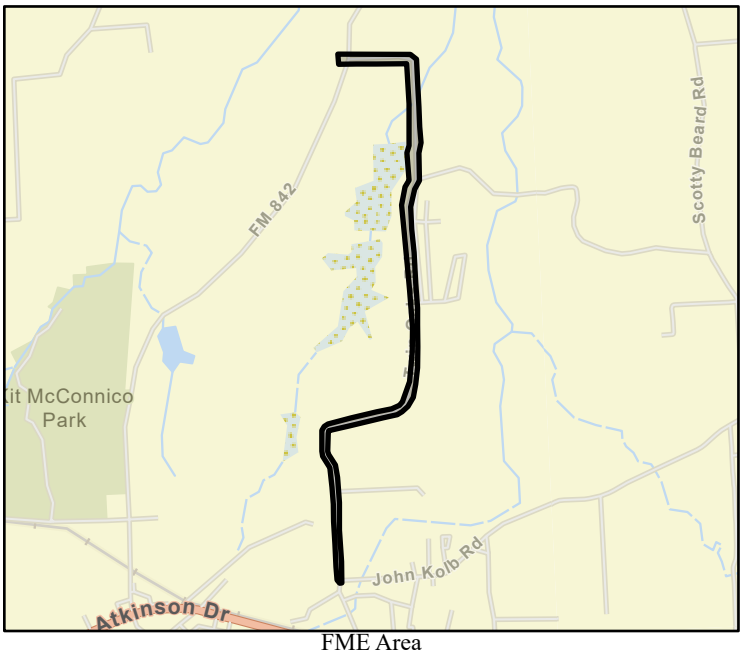
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.08 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	0	Structures at Risk	0	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.44
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Angelina County Rivercrest Rd Roadway Improvements

FME ID: 05-51-0000000254 Sponsor Entity ID: 05-01-0000000125

Sponsor name: Angelina County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Elevate and regrade 1.74 mile stretch of Rivercrest Road to mitigate flooding impacts and improve emergency access.

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

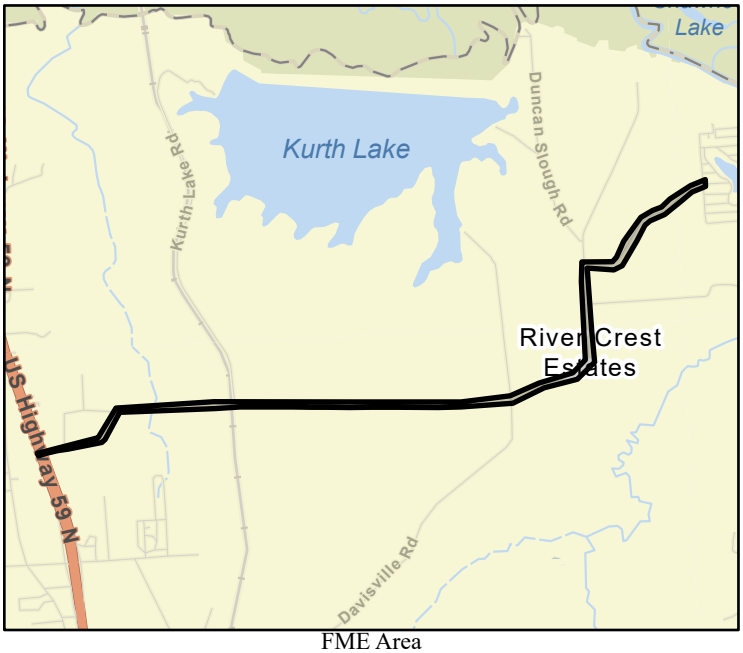
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.19 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	1	Structures at Risk	1	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.56
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Angelina County Mollywood Rd - Black Forest Dr Roadway Improvements

FME ID: 05-51-0000000255 Sponsor Entity ID: 05-01-0000000125

Sponsor name: Angelina County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Elevate and regrade 1.42 mile stretch of Mollywood Road - Black Forest Drive to mitigate flooding impacts and improve emergency access.

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

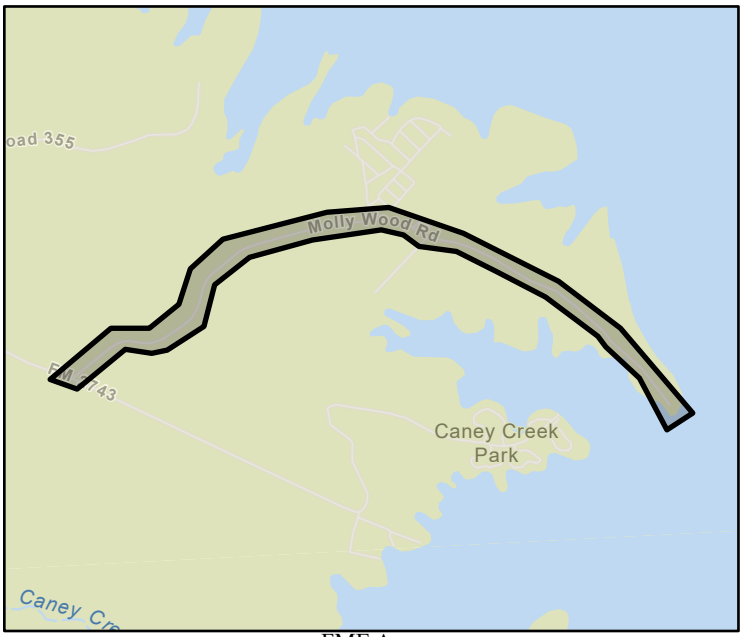
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.34 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	0	Structures at Risk	0	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Angelina County Homer Alto Dr Roadway Improvements

FME ID: 05-51-0000000256 Sponsor Entity ID: 05-01-0000000125

Sponsor name: Angelina County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Elevate, regrade and resurface 0.26 mile stretch of Homer Alto Drive to mitigate flooding impacts and improve emergency access.

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

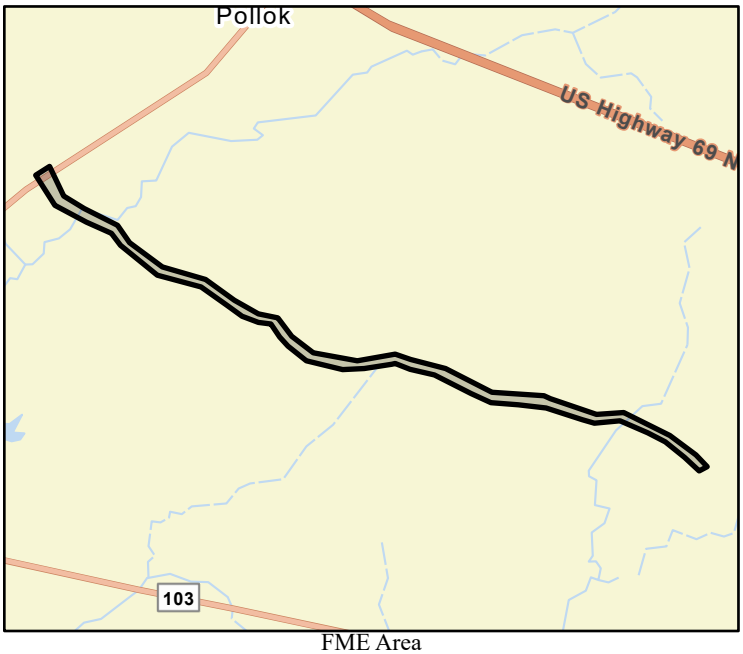
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.36 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	0	Structures at Risk	0	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.18
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Angelina County McKnight Rd Roadway Improvements

FME ID: 05-51-0000000257 Sponsor Entity ID: 05-01-0000000125

Sponsor name: Angelina County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Elevate and resurface 1.95 mile stretch of McKnight Road to mitigate flooding impacts and improve emergency access.

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

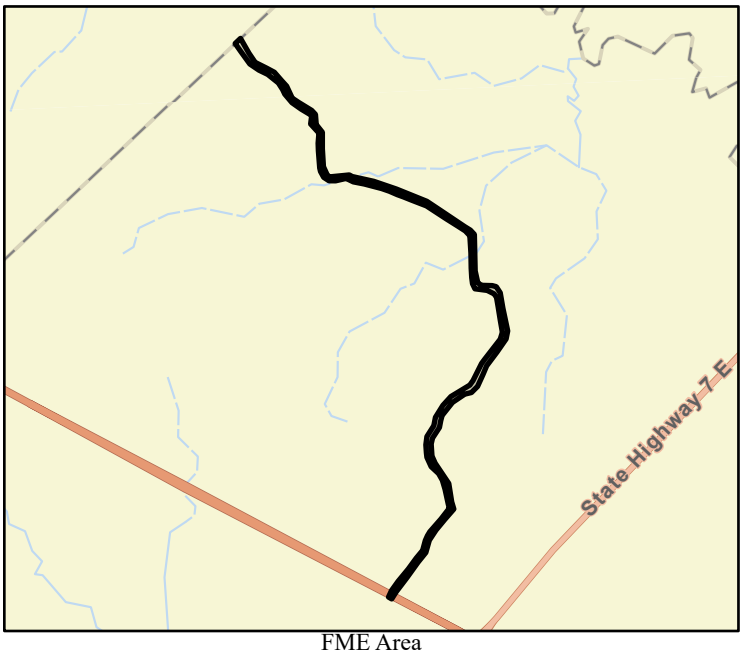
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.15 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	0	Structures at Risk	0	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.5
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Angelina County Burkhalter Hollow Rd Roadway Improvements

FME ID: 05-51-0000000258 Sponsor Entity ID: 05-01-0000000125

Sponsor name: Angelina County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Elevate and resurface 1.79 mile stretch of Burkhalter Hollow Road to mitigate flooding impacts and improved emergency access.

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

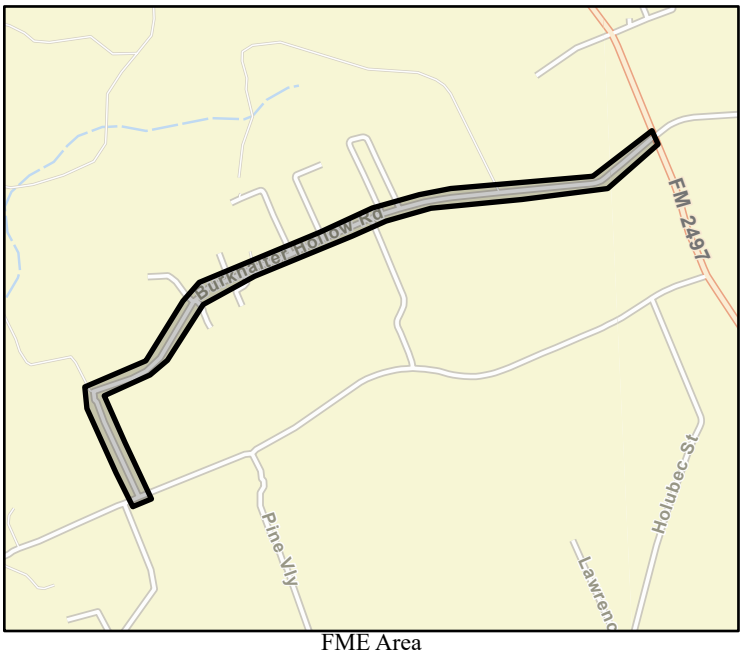
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.08 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	7	Structures at Risk	6	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.33
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	6



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Angelina County Felix Weeks Rd Roadway Improvements

FME ID: 05-51-0000000259 Sponsor Entity ID: 05-01-0000000125

Sponsor name: Angelina County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Elevate and resurface 0.98 mile stretch of Felix Weeks Road to mitigate flooding impacts and improve emergency access.

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

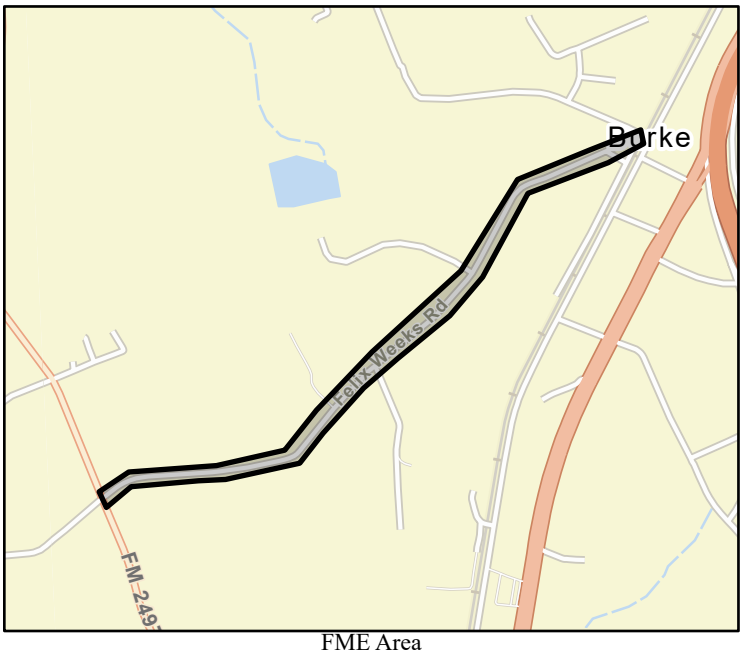
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.05 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	0	Structures at Risk	0	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.39
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Grapeland Detention/Retention Ponds at Chestnut and Sycamore St

FME ID: 05-51-0000000260 Sponsor Entity ID: 00-01-0000002527

Sponsor name: Grapeland (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Increase drainage capability; add stormwater detention and/or retention basins as deemed necessary to reduce flood risk - Chestnut and Sycamore St.

County: Houston Existing/Anticipated Models? Yes New H&H Model? Yes

Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.02 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	0	Structures at Risk	0	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.1
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Grapeland WWTP Culvert Improvements

FME ID: 05-51-0000000261 Sponsor Entity ID: 00-01-0000002527

Sponsor name: Grapeland (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Upgrade undersized culvert and the entrance to the city's wastewater treatment plant.

County: Houston Existing/Anticipated Models? Yes New H&H Model? Yes

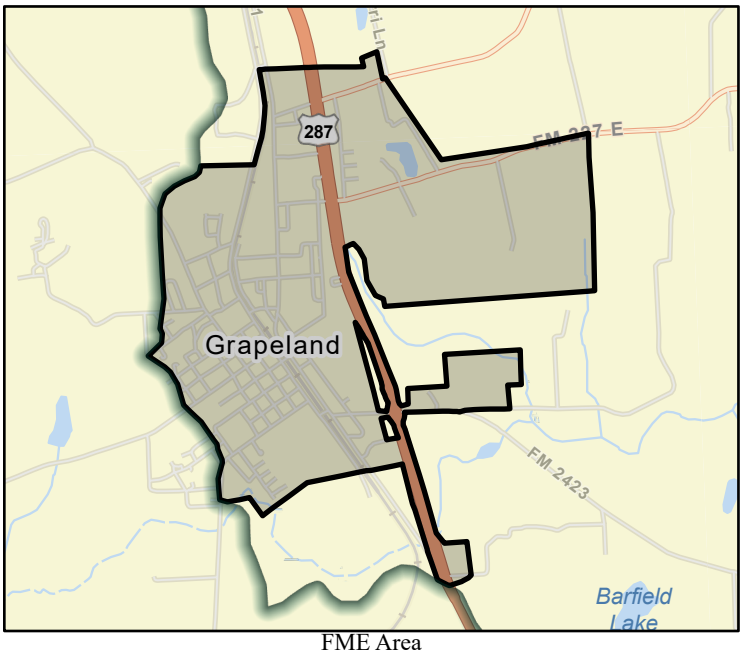
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 2.1 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	251	Structures at Risk	55	Critical Facilities at Risk	3
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.33
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	29



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Grapeland Master Drainage Plan

FME ID: 05-51-0000000262 Sponsor Entity ID: 00-01-0000002527

Sponsor name: Grapeland (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $350,000

FME Description: Acquire a comprehensive engineering study of the entire city to aid in developing a city-wide master drainage plan.

County: Houston Existing/Anticipated Models? Yes New H&H Model? Yes

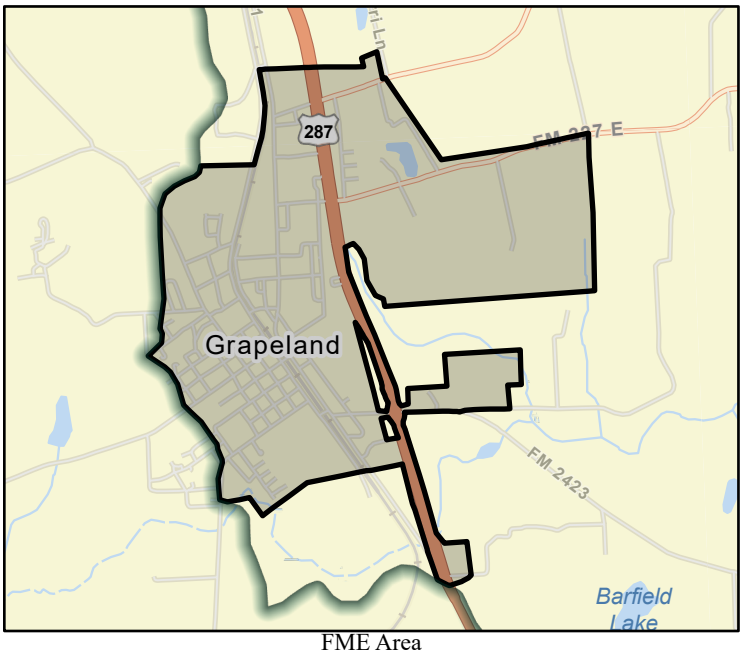
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 2.1 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	251	Structures at Risk	55	Critical Facilities at Risk	3
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.33
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	29



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Grapeland Drainage and Ditch Improvements between N College St and S of Pine St

FME ID: 05-51-0000000263 Sponsor Entity ID: 00-01-0000002527

Sponsor name: Grapeland (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $750,000

FME Description: Construction of a drainage way which consists of open ditches, a small sump pond, several cross culverts beneath streets, and an outfall structure at the south end near Pine Street at Main Street, between N. College St. and South of Pine St.

County: Houston Existing/Anticipated Models? Yes New H&H Model? Yes

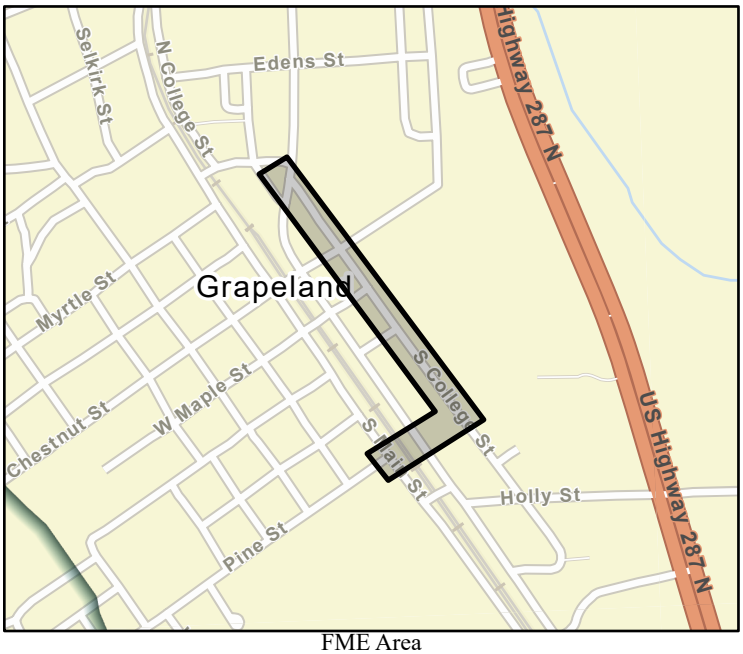
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.02 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	0	Structures at Risk	0	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Grapeland Ditch and Culvert Improvements

FME ID: 05-51-0000000264 Sponsor Entity ID: 00-01-0000002527

Sponsor name: Grapeland (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $820,000

FME Description: Ditches need to be cleaned and regraded. Culverts crossing are mostly undersized, filled with sediment, or collapsed. Livestock pond influences flooding along Pine Street. Explore acquisition to be utilized as a detenton to relieve runoff.

County: Houston Existing/Anticipated Models? Yes New H&H Model? Yes

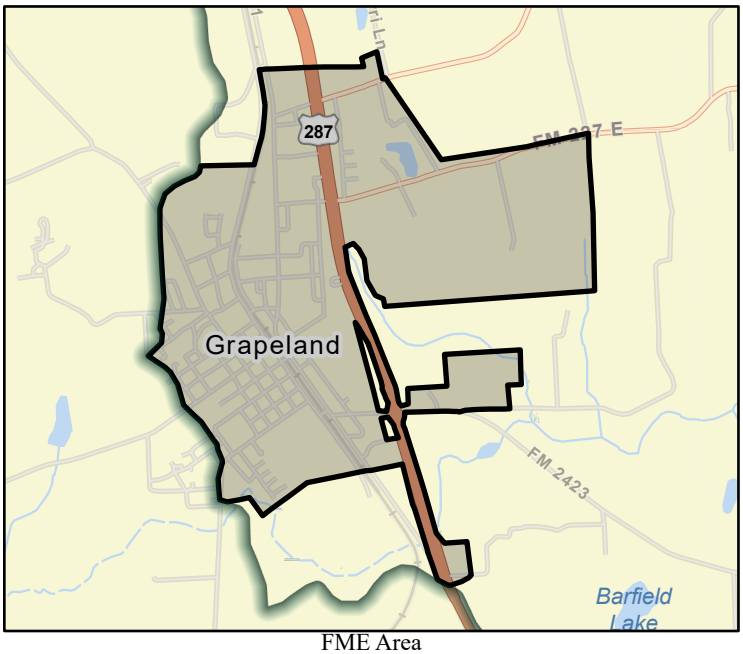
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 2.1 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	251	Structures at Risk	55	Critical Facilities at Risk	3
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.33
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	29



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Frankston Drainage Improvements

FME ID: 05-51-0000000265 Sponsor Entity ID: 05-01-0000003405

Sponsor name: Frankston (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: This action proposes constructing new and/or widening storm drainage infrastructure to reduce the potential impacts of future flood events. Including but not limited to increasing capacity of ditches, culverts, detention ponds.

County: Anderson Existing/Anticipated Models? Yes New H&H Model? Yes

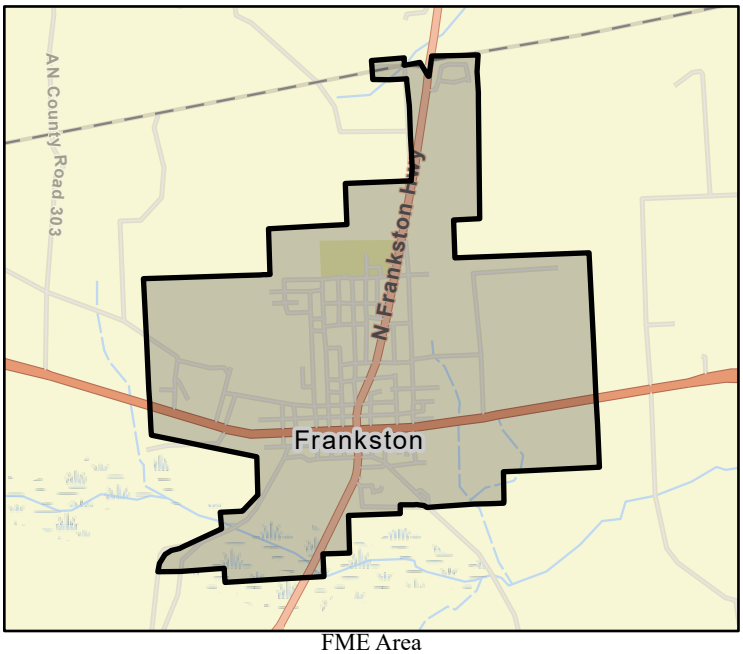
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 2.49 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	63	Structures at Risk	16	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.28	Impacted Roadway Miles	1.62
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	12



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Sabine County Crossing Improvements

FME ID: 05-51-0000000266 Sponsor Entity ID: 00-01-0000000135

Sponsor name: Sabine County (County)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Elevate and reinforce roadways and bridges prone to inundation from flooding: Projects may include general road elevation; upgrading culverts and installing headwalls; upgrades and reinforcement of bridges and bridge footings; etc.

County: Sabine Existing/Anticipated Models? Yes New H&H Model? Yes

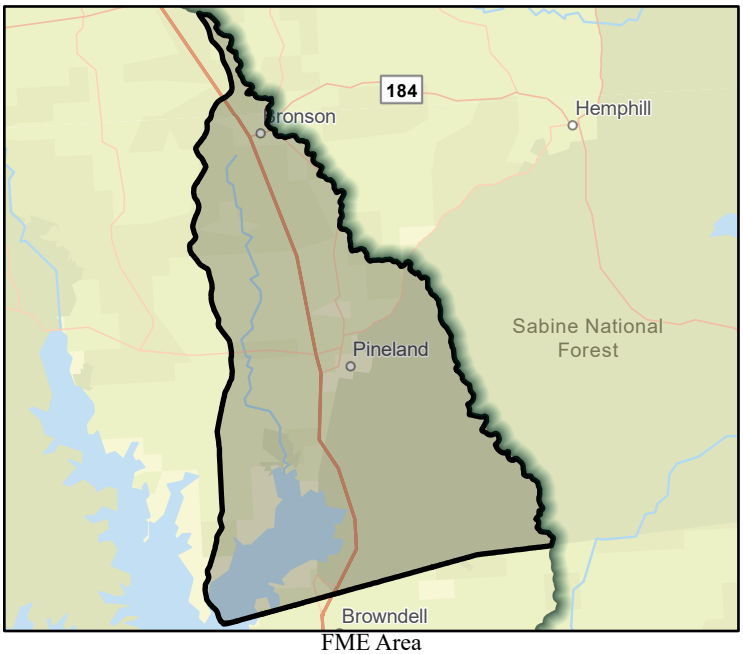
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 95.68 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	930	Structures at Risk	63	Critical Facilities at Risk	2
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.43	Impacted Roadway Miles	7.31
Low Water Crossings	9	Total Historical Road Closures	9	Residential at Risk	21



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Sabine County Drainage Improvements

FME ID: 05-51-0000000267 Sponsor Entity ID: 00-01-0000000135

Sponsor name: Sabine County (County)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Upgrade stormwater conveyance capacity via drainage improvement projects. Actions can include but are not limited to installing/ upgrading culverts and headwalls; and enlarging storm water ditches and canals.

County: Sabine Existing/Anticipated Models? Yes New H&H Model? Yes

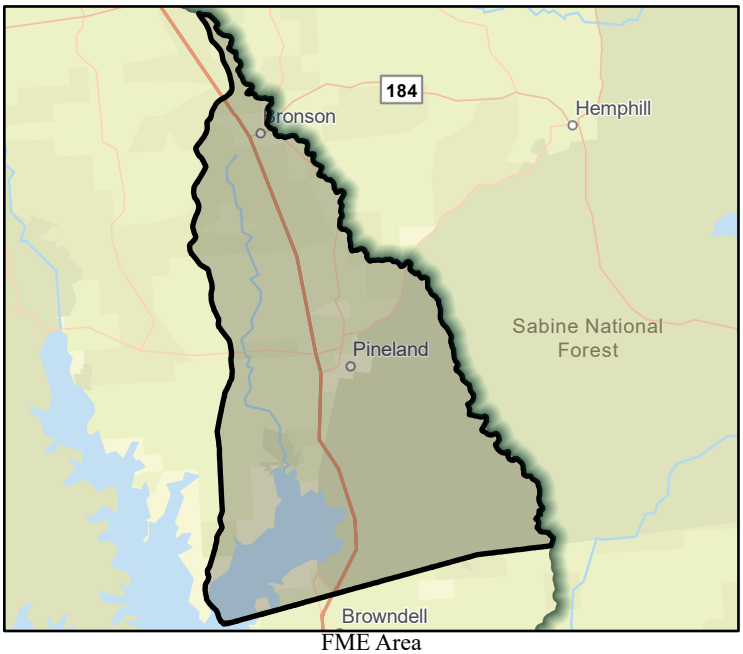
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 95.68 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	930	Structures at Risk	63	Critical Facilities at Risk	2
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.43	Impacted Roadway Miles	7.31
Low Water Crossings	9	Total Historical Road Closures	9	Residential at Risk	21



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Pineland Crossing Improvements

FME ID: 05-51-0000000268 Sponsor Entity ID: 05-01-0000003105

Sponsor name: Pineland (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Elevate and reinforce roadways and bridges prone to inundation from flooding. Projects may include general road elevation; upgrading culverts and installing headwalls; upgrades and reinforcement of bridges and bridge footings; etc.

County: Sabine Existing/Anticipated Models? Yes New H&H Model? Yes

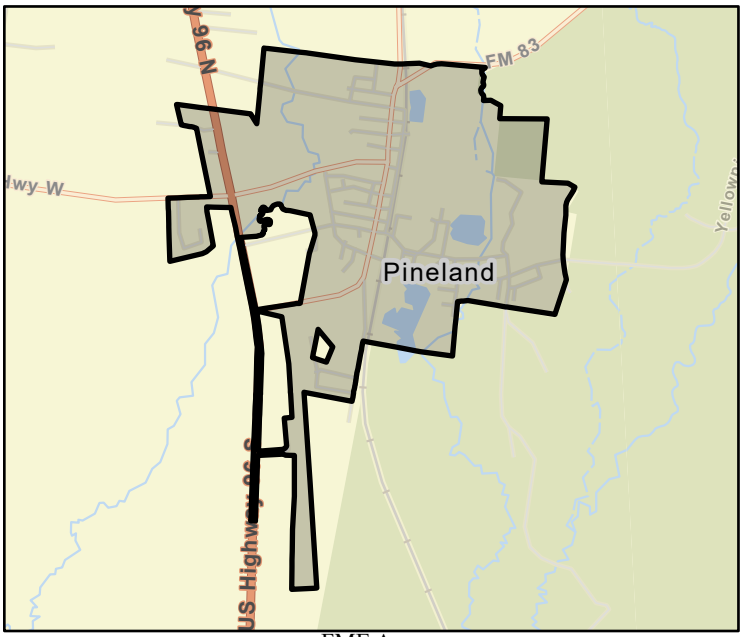
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 2.11 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	908	Structures at Risk	12	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.62
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	2



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Pineland Drainage Improvements

FME ID: 05-51-0000000269 Sponsor Entity ID: 05-01-0000003105

Sponsor name: Pineland (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $300,000

FME Description: Upgrade stormwater conveyance capacity via drainage improvement projects. Actions can include but are not limited to 174 installing/ upgrading culverts and headwalls; and enlarging storm water ditches and canals.

County: Sabine Existing/Anticipated Models? Yes New H&H Model? Yes

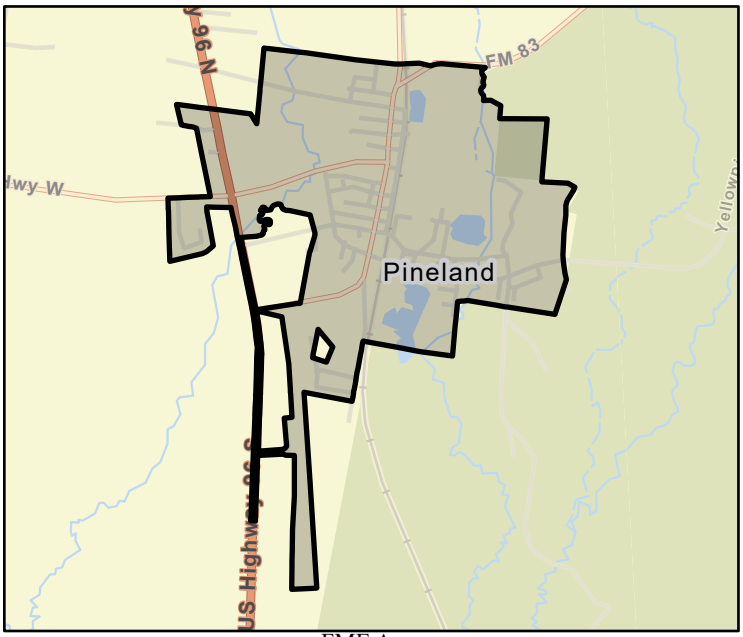
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 2.11 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	908	Structures at Risk	12	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.62
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	2



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Pineland Storm Drain Infrastructure

FME ID: 05-51-0000000270 Sponsor Entity ID: 05-01-0000003105

Sponsor name: Pineland (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: This action proposes constructing new storm drainage infrastructure to reduce the potential impacts of future flood events.

County: Sabine Existing/Anticipated Models? Yes New H&H Model? Yes

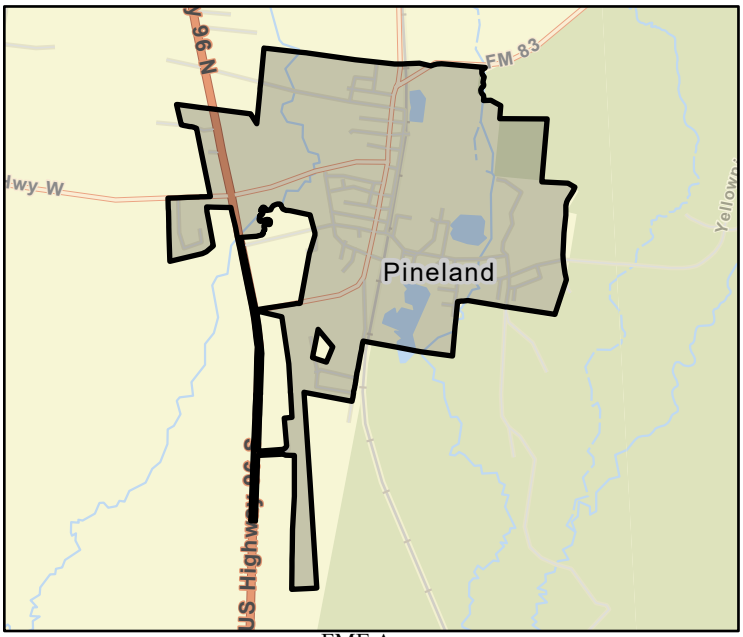
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 2.11 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	908	Structures at Risk	12	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.62
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	2



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Pineland Master Drainage Plan

FME ID: 05-51-0000000271 Sponsor Entity ID: 05-01-0000003105

Sponsor name: Pineland (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Watershed Planning Est. FME Cost: $100,000

FME Description: This action proposes creating a master drainage plan for the City, in conjunction with other jurisdictions, that provides basic information and necessary guidance for the county-wide drainage system, including an H&H study.

County: Sabine Existing/Anticipated Models? Yes New H&H Model? Yes

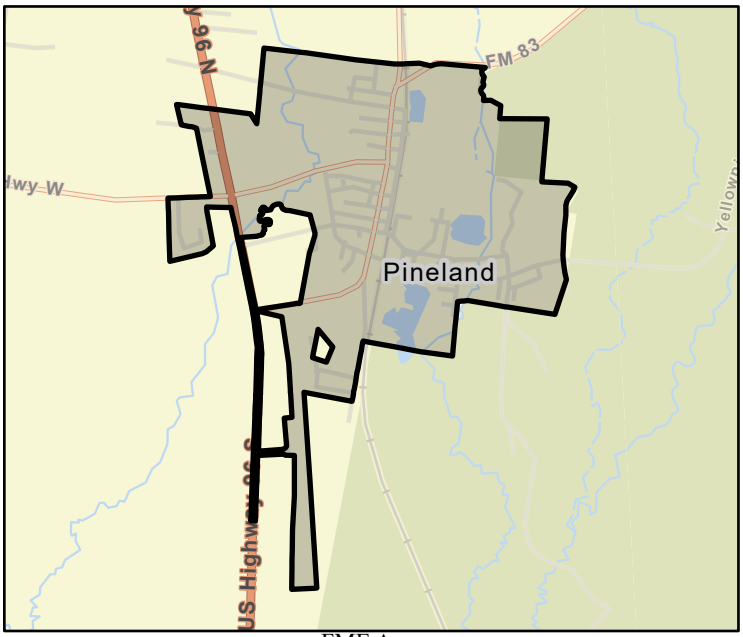
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 2.11 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	908	Structures at Risk	12	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.62
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	2



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Anahuac National Refuge Conservation and Restoration

FME ID: 05-51-0000000272 Sponsor Entity ID: 00-01-0000000013

Sponsor name: Chambers County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Preparedness Est. FME Cost: $500,000

FME Description: Preserve the Jocelyn Nungaray National Wildlife Refuge by restoring more land to a more natural and resilient state to avoid future flood risk.

County: Chambers Existing/Anticipated Models? Yes New H&H Model? Yes

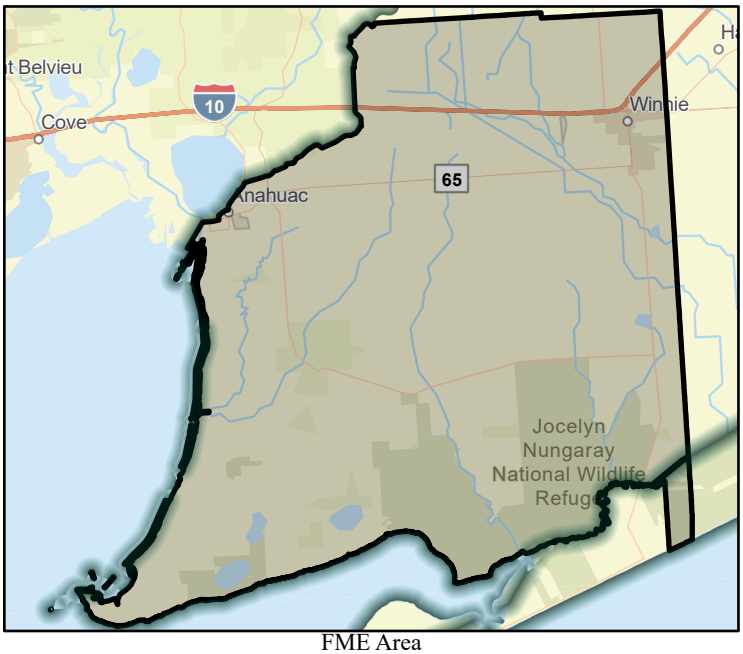
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 433.91 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	5,041	Structures at Risk	4,006	Critical Facilities at Risk	7
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	59,127.5	Impacted Roadway Miles	211.66
Low Water Crossings	6	Total Historical Road Closures	6	Residential at Risk	2,138



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Gilbert Lake Topographic Survey

FME ID: 05-51-0000000273 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Other Est. FME Cost: $1,420,000

FME Description: Perform a topographic survey of all roads, drainage ditches, and drainage structures throughout the Gilbert Lake Estates subdivision and necessary offsite stormwater outfalls to support construction project to improve drainage.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

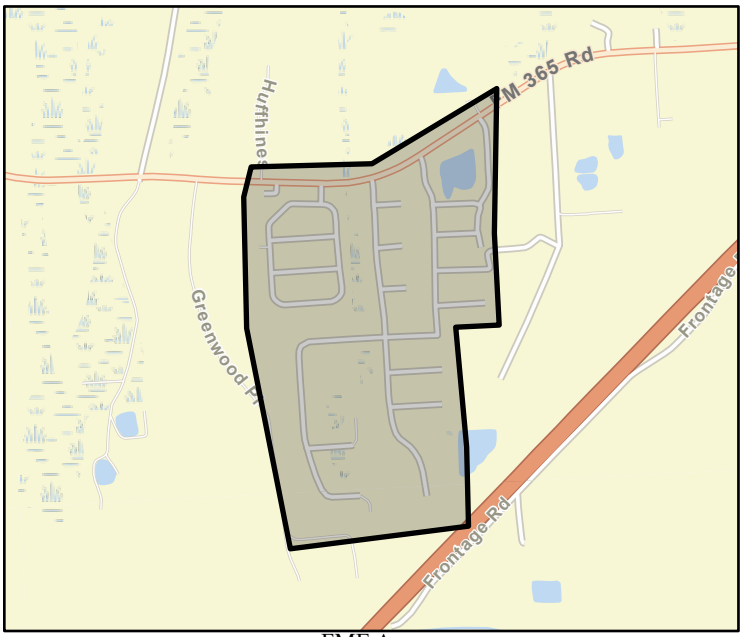
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.49 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	275	Structures at Risk	189	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	3.21
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	184



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Green Acres Topographic Survey

FME ID: 05-51-0000000274 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Other Est. FME Cost: $2,400,000

FME Description: Perform a topographic survey of all roads, drainage ditches, and drainage structures throughout the Green Acres subdivision and necessary offsite stormwater outfalls to support construction project to improve drainage.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

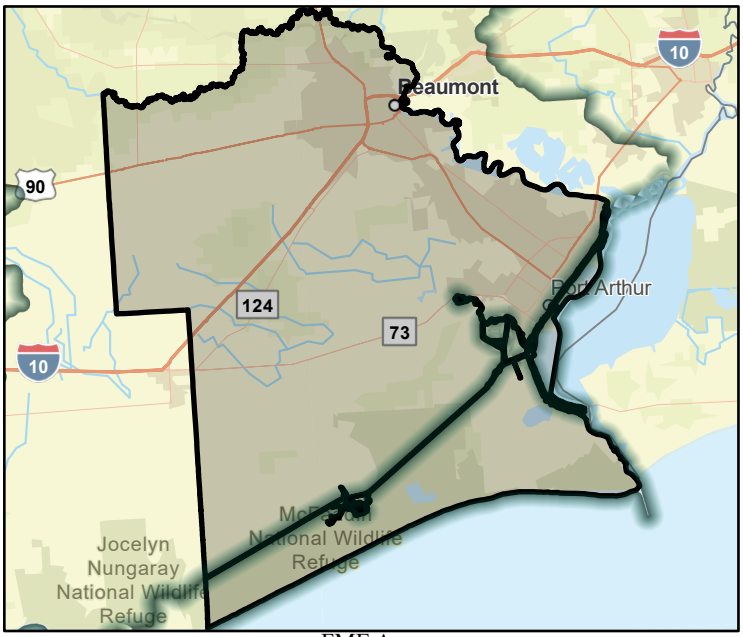
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 957.65 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	164,051	Structures at Risk	65,754	Critical Facilities at Risk	2,012
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	54,538.14	Impacted Roadway Miles	1,297.53
Low Water Crossings	126	Total Historical Road Closures	126	Residential at Risk	54,320



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Hamshire School Topographic Survey

FME ID: 05-51-0000000275 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Other Est. FME Cost: $2,950,000

FME Description: Perform a topographic survey of all roads, drainage ditches, and drainage structures to the north and east of the Hamshire School Facility and necessary offsite stormwater outfalls to support construction project to improve drainage.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

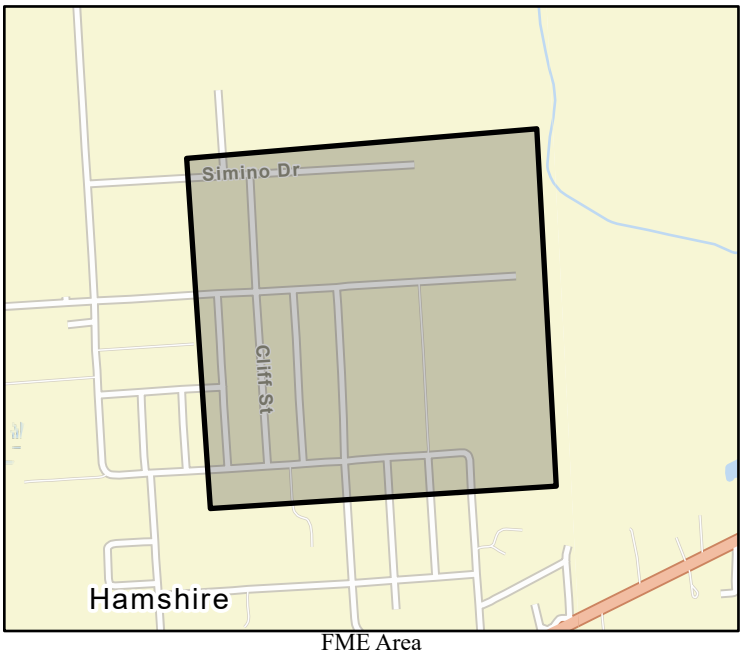
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.34 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	51	Structures at Risk	50	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	17.8	Impacted Roadway Miles	2.24
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	42



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Moore Road and DD6 Topographic Survey

FME ID: 05-51-0000000276 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Other Est. FME Cost: $2,500,000

FME Description: Perform a topographic survey of all roads, drainage ditches, and drainage structures throughout the Moore Road residential areas and DD6 stormwater outfalls to support construction project to improve drainage.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

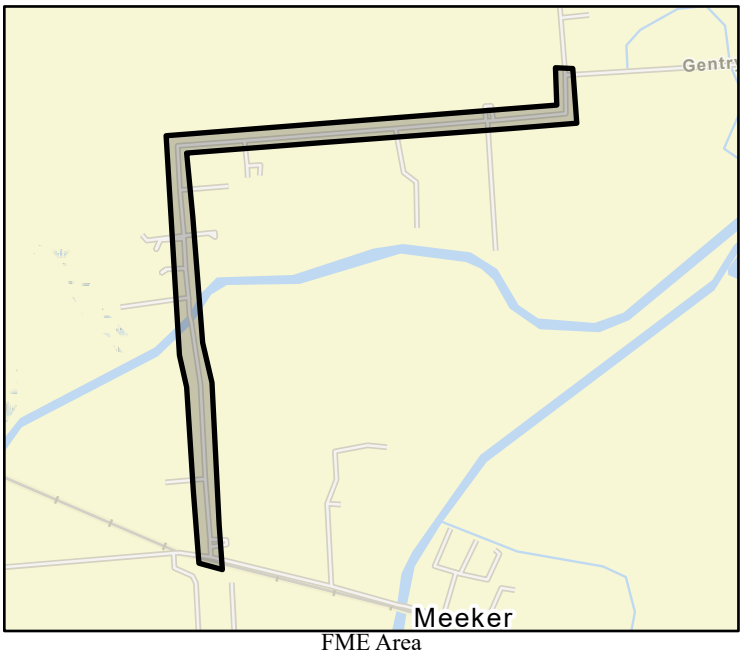
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.22 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	32	Structures at Risk	16	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.25	Impacted Roadway Miles	0.7
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	15



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Tram Road Topographic Survey

FME ID: 05-51-0000000277 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Other Est. FME Cost: $3,950,000

FME Description: Perform a topographic survey of all roads, drainage ditches, and drainage structures on Tram Road from Hwy 105 to Tolivar Canal Road along with necessary stormwater outfalls to support construction project to improve drainage.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

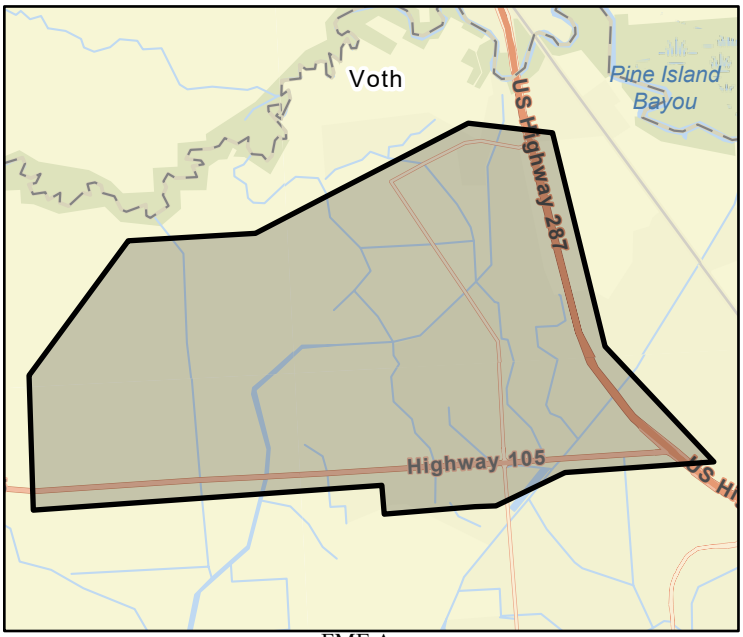
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 11.59 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	2,204	Structures at Risk	1,044	Critical Facilities at Risk	7
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	55.52	Impacted Roadway Miles	26.86
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	921



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Courthouse Pump System

FME ID: 05-51-0000000278 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $100,000

FME Description: Flood-proof County Courthouse by installing a pump system.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

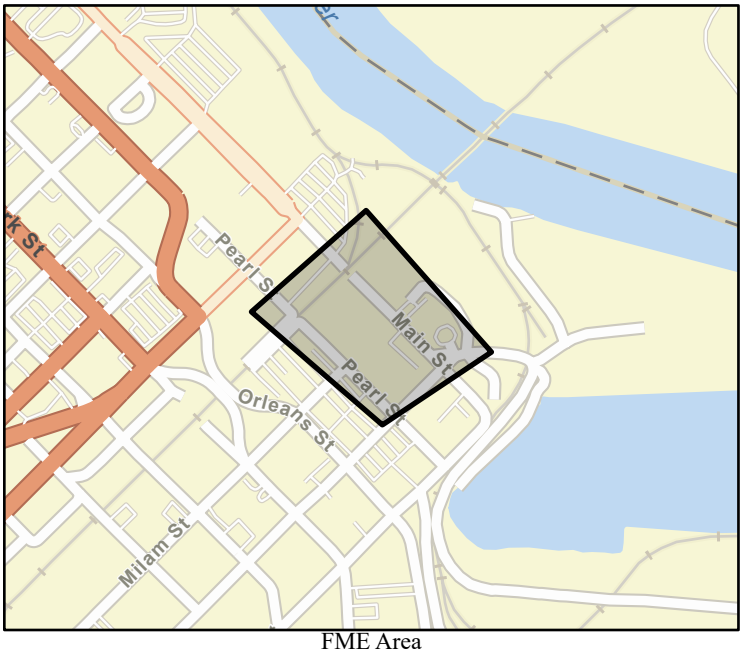
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.02 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	0	Structures at Risk	0	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Jefferson County Storm Surge Barrier Improvements

FME ID: 05-51-0000000279 Sponsor Entity ID: 05-01-0000000025

Sponsor name: Jefferson County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Coordinate and implement construction, expansion and maintenance of flood control structures/barriers for the purpose of mitigating damage and protect fresh water resources from storm surge, sea level rise, and other sources of salt water intrusion.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

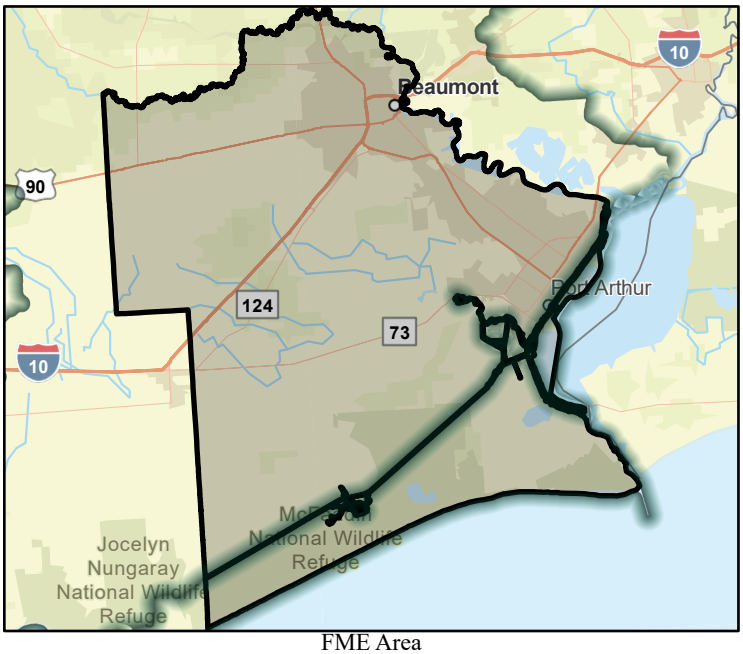
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 957.65 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	164,051	Structures at Risk	65,754	Critical Facilities at Risk	2,012
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	54,538.14	Impacted Roadway Miles	1,297.53
Low Water Crossings	126	Total Historical Road Closures	126	Residential at Risk	54,320



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Beaumont WWTP Detention Pond

FME ID: 05-51-0000000280 Sponsor Entity ID: 05-01-0000002769

Sponsor name: Beaumont (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Wastewater Treatment Plant High Flow Detention Pond: This project will add a detention pond at the Wastewater Treatment Plant to provide additional capacity during heavy rain events.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

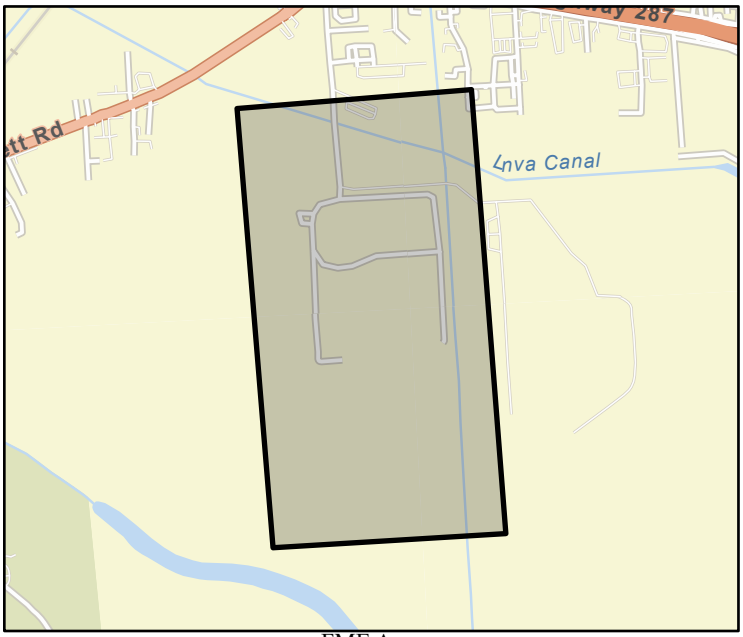
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.55 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	15	Structures at Risk	5	Critical Facilities at Risk	3
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3.46	Impacted Roadway Miles	0.03
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Beaumont Marina Drive Improvements

FME ID: 05-51-0000000281 Sponsor Entity ID: 05-01-0000002769

Sponsor name: Beaumont (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Elevate and/or upgrade Marina Drive in the City of Beaumont.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

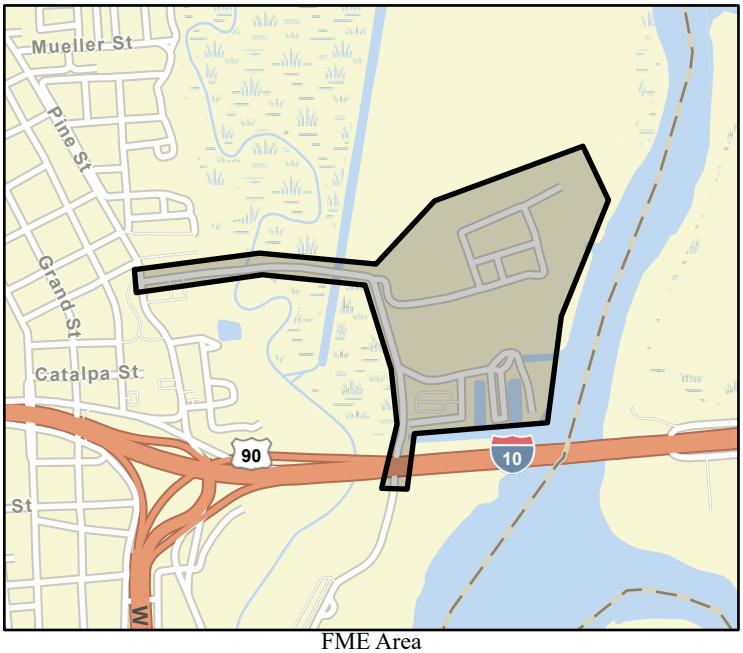
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.12 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	18	Structures at Risk	25	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.55
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	0



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Bevil Oaks Flood Control Lift Station

FME ID: 05-51-0000000282 Sponsor Entity ID: 05-01-0000003085

Sponsor name: Bevil Oaks (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Installation of lift station to manage and mitigate stormwater flooding.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

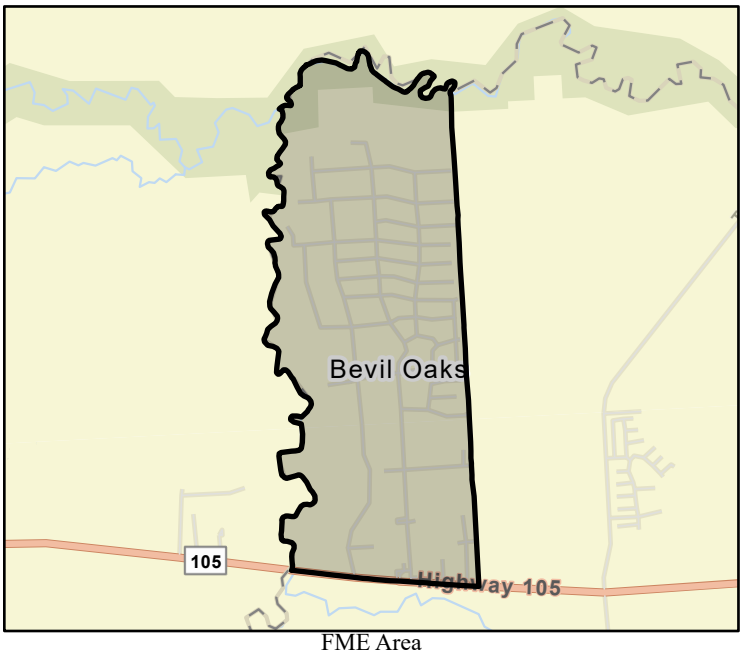
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 2.06 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	719	Structures at Risk	505	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3.72	Impacted Roadway Miles	8.83
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	463



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Bevil Oaks Crossing Improvements

FME ID: 05-51-0000000283 Sponsor Entity ID: 05-01-0000003085

Sponsor name: Bevil Oaks (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Elevate or upgrade bridges, roadways and other crossings to reduce damages to infrastructure.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

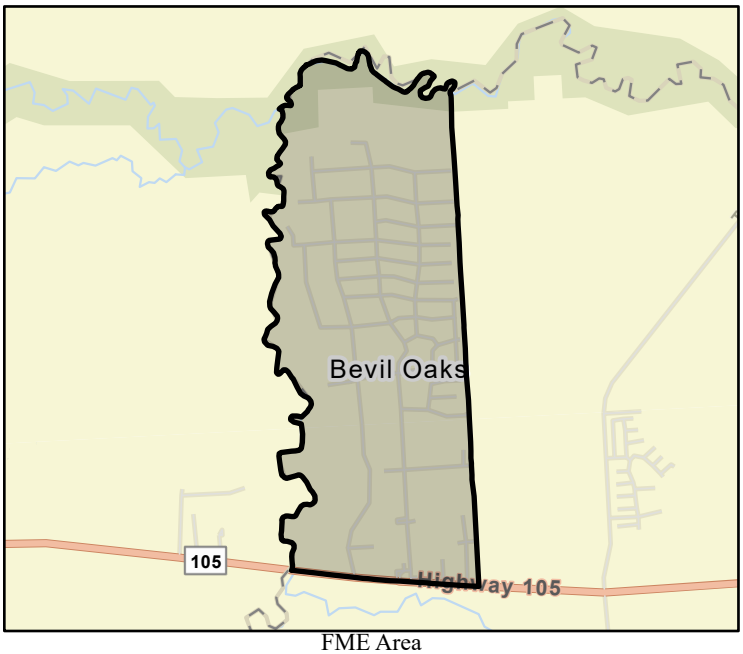
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 2.06 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	719	Structures at Risk	505	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	3.72	Impacted Roadway Miles	8.83
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	463



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of China Storm Surge Barrier Improvements

FME ID: 05-51-0000000284 Sponsor Entity ID: 05-01-0000002839

Sponsor name: China (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Coordinate and implement construction, expansion and maintenance of flood control structures/barriers for the purpose of mitigating damage and protect freshwater resources from storm surge, sea level rise, and other sources of salt water intrusion.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

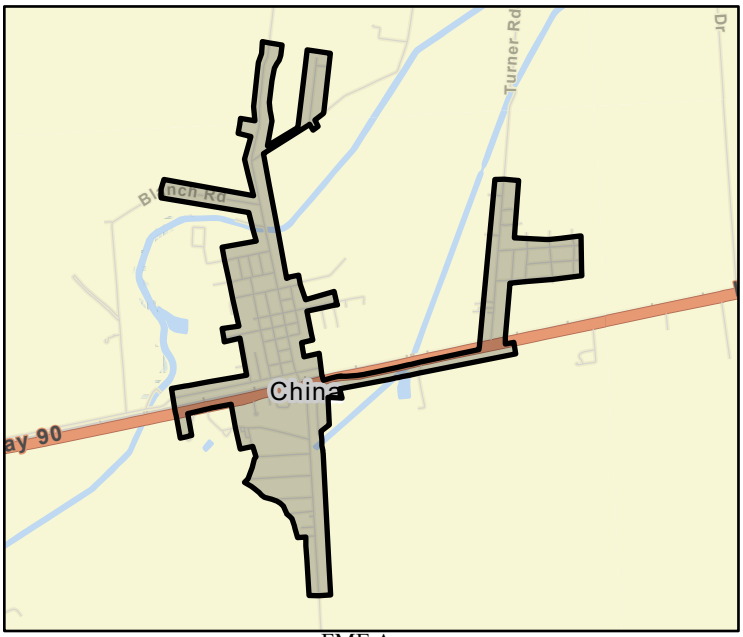
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 1.29 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	593	Structures at Risk	308	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	22.06	Impacted Roadway Miles	2.22
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	273



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Groves Storm Surge Barrier Improvements

FME ID: 05-51-0000000285 Sponsor Entity ID: 05-01-0000002840

Sponsor name: Groves (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Coordinate and implement construction, expansion and maintenance of flood control structures/barriers for the purpose of mitigating damage and protect freshwater resources from storm surge, sea level rise, and other sources of saltwater intrusion.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

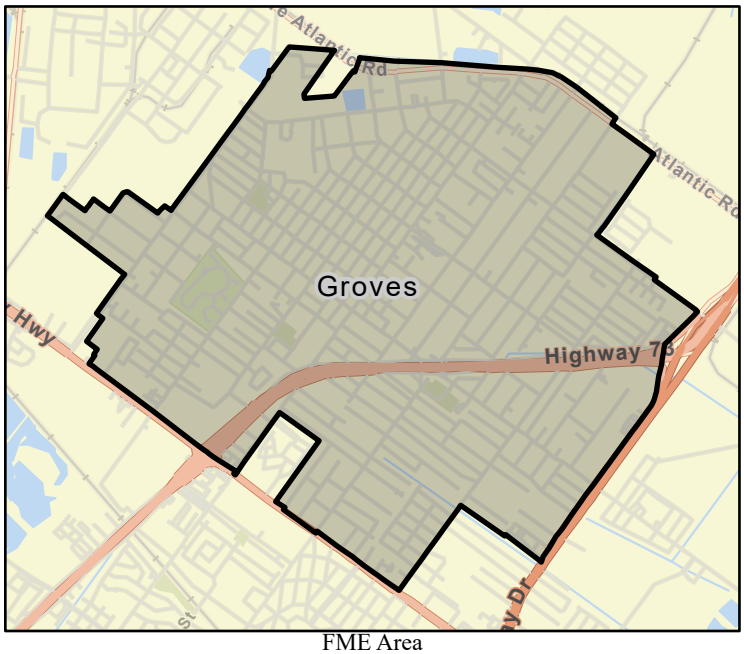
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 5.2 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	9,021	Structures at Risk	4,461	Critical Facilities at Risk	16
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.64	Impacted Roadway Miles	45.69
Low Water Crossings	5	Total Historical Road Closures	5	Residential at Risk	4,181



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Nederland Storm Surge Barrier Improvements

FME ID: 05-51-0000000286 Sponsor Entity ID: 05-01-0000003086

Sponsor name: Nederland (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Coordinate and implement construction, expansion and maintenance of flood control structures/barriers for the purpose of mitigating damage and protect freshwater resources from storm surge, sea level rise, and other sources of saltwater intrusion.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

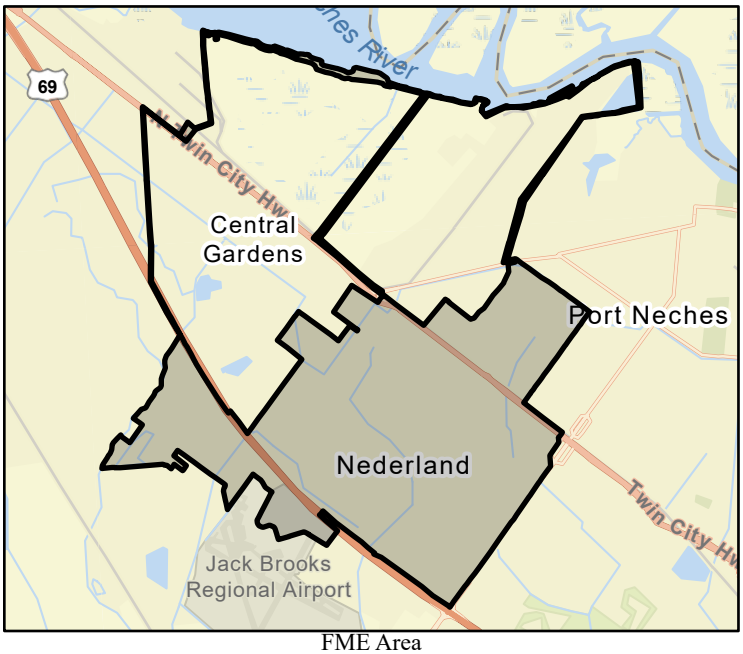
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 6.06 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	8,755	Structures at Risk	4,258	Critical Facilities at Risk	23
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0.13	Impacted Roadway Miles	54.61
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	3,633



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Nome Flood Control Barrier Improvements

FME ID: 05-51-0000000287 Sponsor Entity ID: 05-01-0000002841

Sponsor name: Nome (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Coordinate and implement construction, expansion and maintenance of flood protection measures to protect from surge and mitigating damage and protect freshwater resources from storm surge, sea level rise, and other sources of saltwater intrusion.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

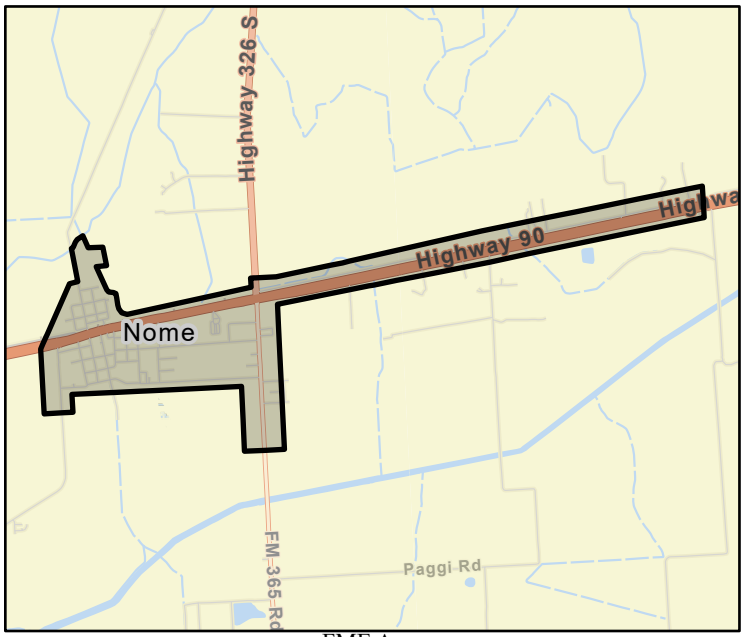
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 1.24 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	204	Structures at Risk	100	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	14.76	Impacted Roadway Miles	3.06
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	71



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Port Arthur Storm Surge Barrier Improvements

FME ID: 05-51-0000000288 Sponsor Entity ID: 05-01-0000003087

Sponsor name: Port Arthur (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Coordinate and implement construction, expansion and maintenance of flood control structures/barriers for the purpose of mitigating damage and protect freshwater resources from storm surge, sea level rise, and saltwater intrusion.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

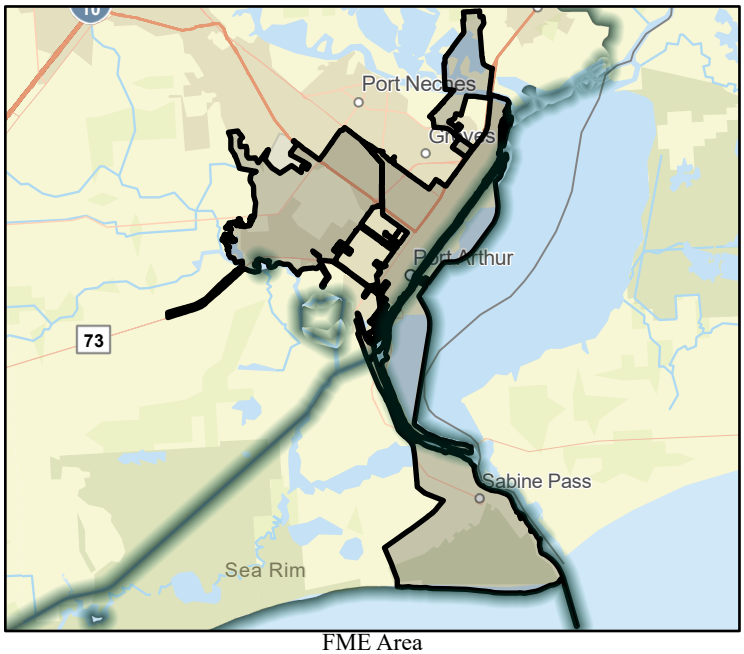
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 91.62 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	44,779	Structures at Risk	20,078	Critical Facilities at Risk	224
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	278.91	Impacted Roadway Miles	364.55
Low Water Crossings	23	Total Historical Road Closures	23	Residential at Risk	17,268



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Port Neches Bulkhead Improvements

FME ID: 05-51-0000000289 Sponsor Entity ID: 05-01-0000003088

Sponsor name: Port Neches (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $100,000

FME Description: Construct / Upgrade bulkheads within City to reduce effects of flooding.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

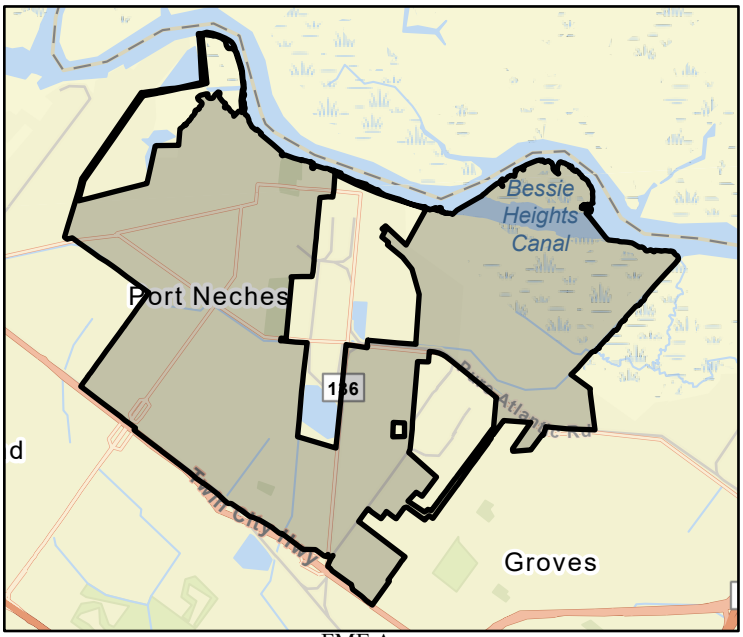
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 9.12 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	6,004	Structures at Risk	2,918	Critical Facilities at Risk	69
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	4.46	Impacted Roadway Miles	42.01
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	2,615



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Port Neches Storm Surge Barrier Improvements

FME ID: 05-51-0000000290 Sponsor Entity ID: 05-01-0000003088

Sponsor name: Port Neches (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Coordinate and implement construction, expansion and maintenance of flood control structures/barriers for the purpose of mitigating damage and protect freshwater resources from storm surge, sea level rise, and other sources of saltwater intrusion.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

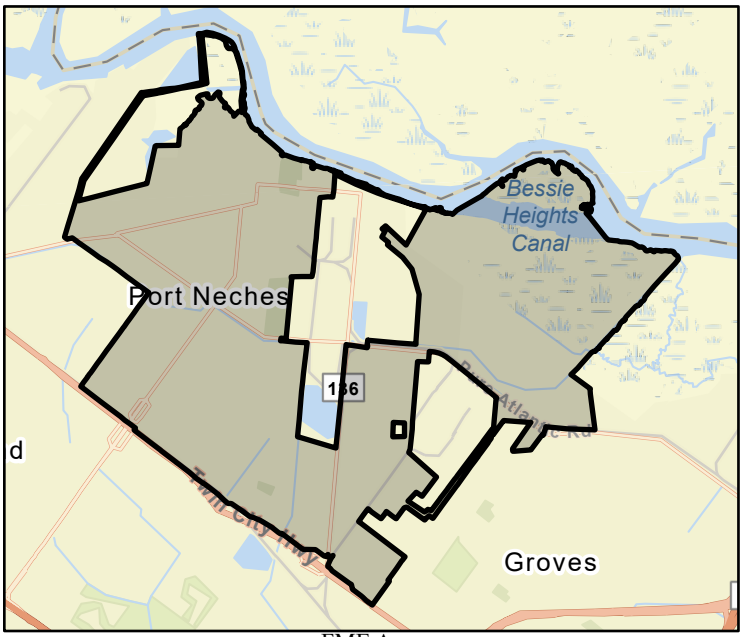
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 9.12 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	6,004	Structures at Risk	2,918	Critical Facilities at Risk	69
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	4.46	Impacted Roadway Miles	42.01
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	2,615



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: LNVA Flood Control Pump Improvements

FME ID: 05-51-0000000291 Sponsor Entity ID: 00-01-0000000302

Sponsor name: Lower Neches Valley Authority (River Authority)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $750,000

FME Description: Purchase and store one driver, pump, and pump control unit off site for use in flood prone pumping plants after disaster.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

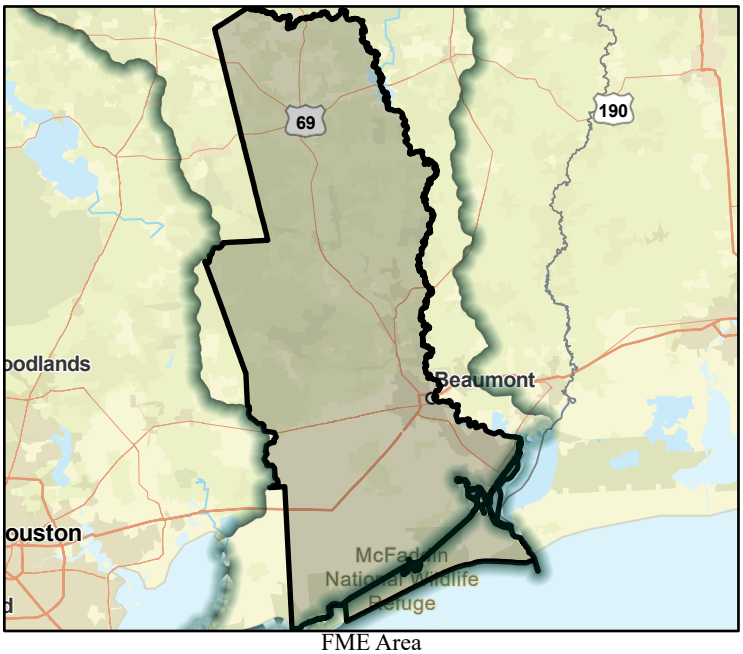
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 3,130.97 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	178,810	Structures at Risk	75,095	Critical Facilities at Risk	2,079
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	95,889.18	Impacted Roadway Miles	1,796.69
Low Water Crossings	174	Total Historical Road Closures	174	Residential at Risk	60,430



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title LNVA WRTP Flood Wall

FME ID 05-51-0000000292 Sponsor Entity ID 00-01-0000000302

Sponsor name Lower Neches Valley Authority (River Authority)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

FME Details

FME Type Project Planning Est. FME Cost $400,000

FME Description Construct security/flood wall around WRTP.

County Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

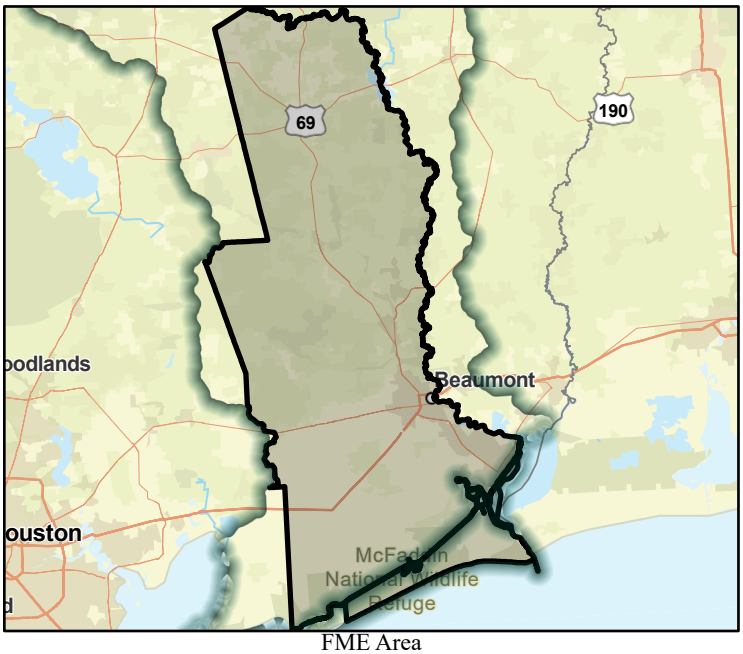
Emergency Need? Yes Emergency Need Description Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi) 3,130.97 Assumptions/Relevant Context N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area N/A

Population at Risk	178,810	Structures at Risk	75,095	Critical Facilities at Risk	2,079
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	95,889.18	Impacted Roadway Miles	1,796.69
Low Water Crossings	174	Total Historical Road Closures	174	Residential at Risk	60,430



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: SETRPC Flood Control Barrier Improvements

FME ID: 05-51-0000000293 Sponsor Entity ID: 00-01-0000000274

Sponsor name: South East Texas Regional Planning Commission (Other)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $500,000

FME Description: Coordinate and implement construction, expansion, and maintenance of flood control structures/barriers for the purpose of mitigating damage and protect freshwater resources from storm surge, sea level rise, and other sources of saltwater intrusion

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

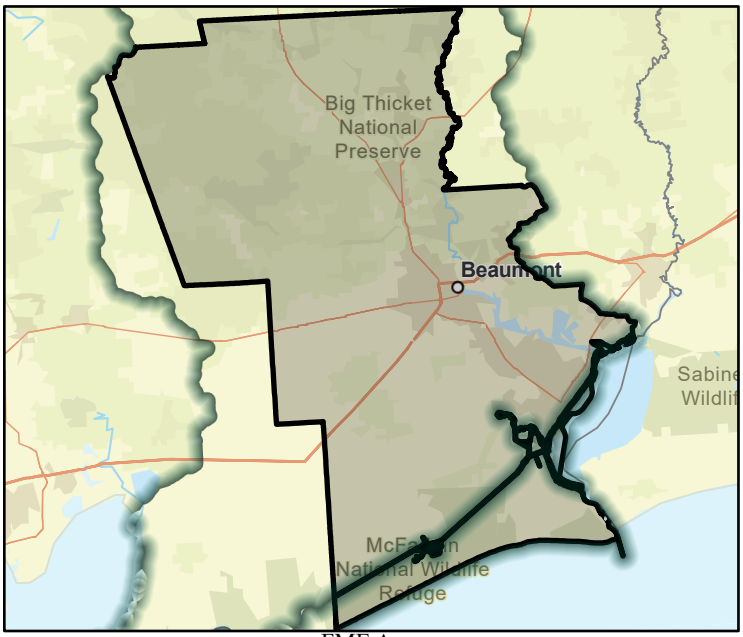
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 2,005.22 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	187,307	Structures at Risk	80,083	Critical Facilities at Risk	2,167
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	55,799.89	Impacted Roadway Miles	1,791.14
Low Water Crossings	172	Total Historical Road Closures	172	Residential at Risk	65,485



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Alligator Bayou Pump Station Upgrades

FME ID: 05-51-0000000294 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: H&H Study to size necessary upgrades to improve the level of service to reduce out of bank flooding. Repair, restore, remediate the existing Alligator Bayou and Main Outfall Canal.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

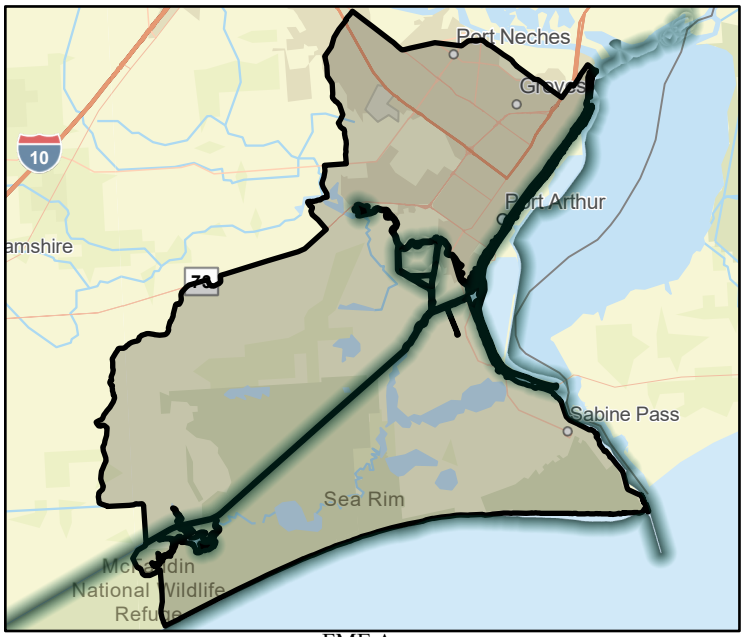
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 324.79 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	71,929	Structures at Risk	33,674	Critical Facilities at Risk	1,210
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	7,259.98	Impacted Roadway Miles	542.11
Low Water Crossings	34	Total Historical Road Closures	34	Residential at Risk	28,483



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Bridge City WWTP Stormwater Capacity Improvements

FME ID: 05-51-0000000295 Sponsor Entity ID: 00-01-0000002919

Sponsor name: Bridge City (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Replacement/upgrade of wastewater treatment plant. Upgrade facility with increased capacity to handle all rain/flood events stormwater (1.6MGD).

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

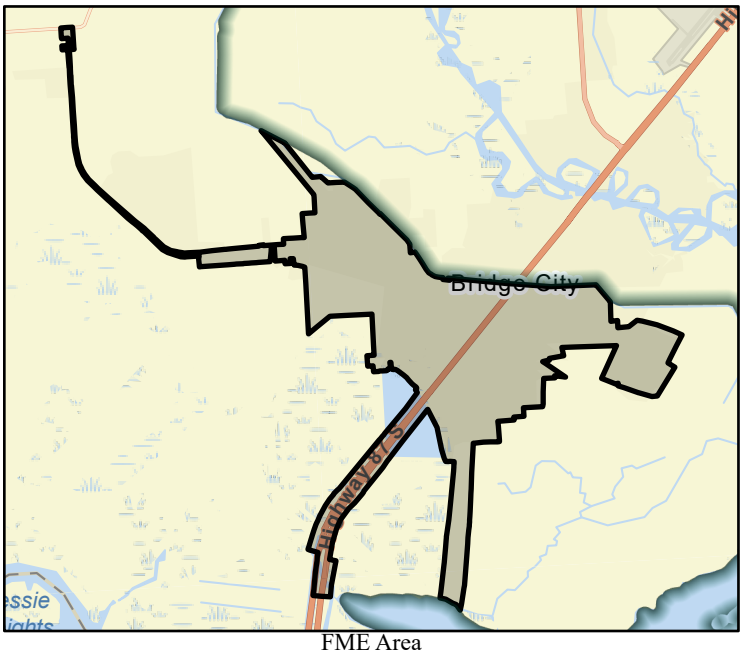
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 4.96 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	3,545	Structures at Risk	1,999	Critical Facilities at Risk	6
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1.65	Impacted Roadway Miles	41.95
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	1,727



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Stormwater Retention and Water Supply Ponds

FME ID: 05-51-0000000296 Sponsor Entity ID: 00-01-0000000035

Sponsor name: Hardin County (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Construct water retention ponds to collect stormwater runoff, reduce flooding and use as an alternate water source throughout Hardin County.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

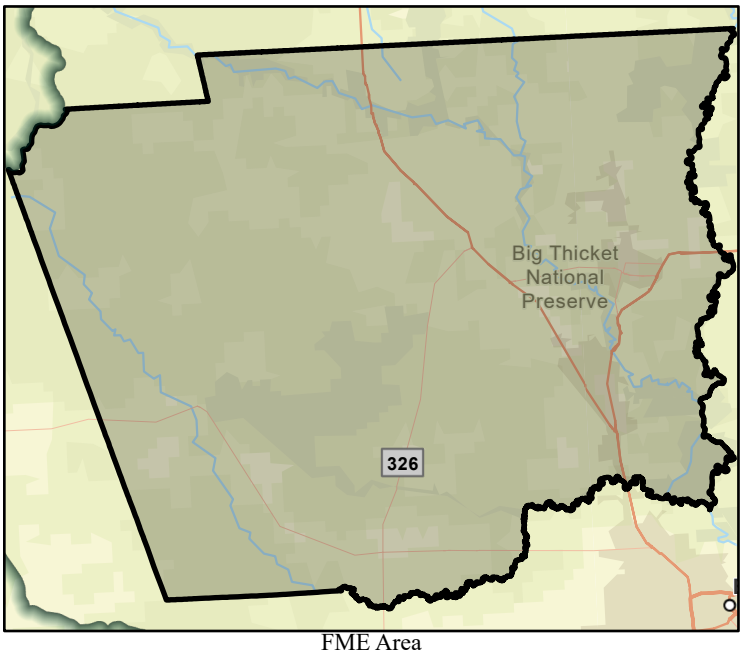
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 891.15 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	11,420	Structures at Risk	6,135	Critical Facilities at Risk	59
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	1,020.87	Impacted Roadway Miles	286.2
Low Water Crossings	20	Total Historical Road Closures	20	Residential at Risk	4,133



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Kennard Relocation/Elevation of Lift Stations in Flood Risk Areas

FME ID: 05-51-0000000297 Sponsor Entity ID: 05-01-0000002532

Sponsor name: Kennard (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Relocate/elevate lift stations that are in flood-risk areas. Complete necessary studies to assess flood risk and damages. Acquire land needed to relocate critical infrastructure.

County: Houston Existing/Anticipated Models? Yes New H&H Model? Yes

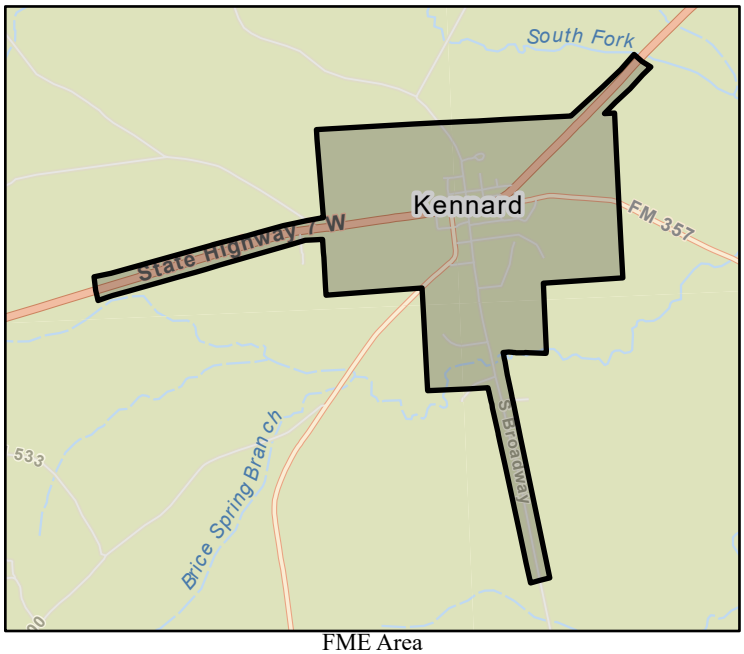
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 1.3 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	11	Structures at Risk	13	Critical Facilities at Risk	2
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.02
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	8



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: SETRPC Stormwater Retention and Water Supply Ponds

FME ID: 05-51-0000000298 Sponsor Entity ID: 00-01-0000000274

Sponsor name: South East Texas Regional Planning Commission (Other)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Construct water retention ponds to collect storm water run-off and use as an alternate water source for agricultural resources throughout the Southeast Texas region.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

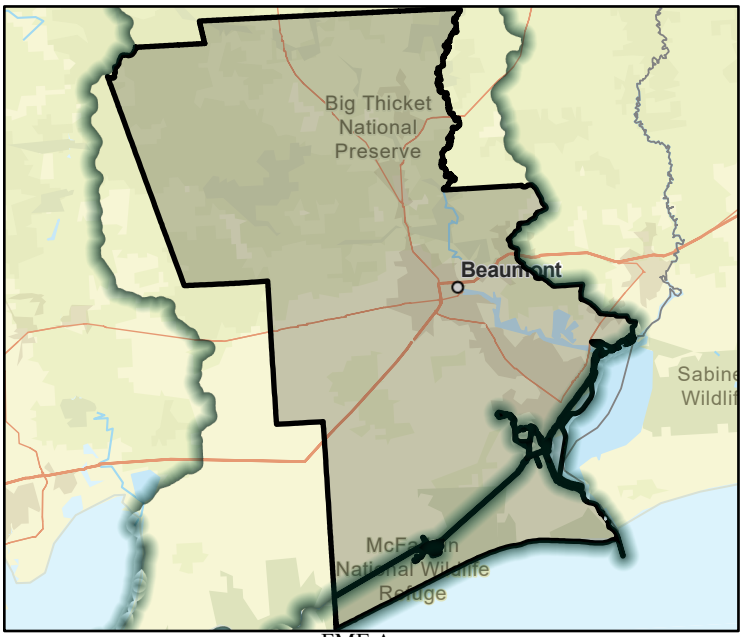
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 2,005.22 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	187,307	Structures at Risk	80,083	Critical Facilities at Risk	2,167
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	55,799.89	Impacted Roadway Miles	1,791.14
Low Water Crossings	172	Total Historical Road Closures	172	Residential at Risk	65,485



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Orange County Stormwater Retention and Water Supply Ponds

FME ID: 05-51-0000000299 Sponsor Entity ID: 00-01-0000000027

Sponsor name: Orange County (County)

RFPG recommend? No Reason for Recommendation: Defer to Sabine Region

FME Details

FME Type: Project Planning Est. FME Cost: $250,000

FME Description: Construct water retention ponds to collect stormwater run-off and use as an alternate water source for agricultural resources throught the Southeast Texas region.

County: Orange Existing/Anticipated Models? Yes New H&H Model? Yes

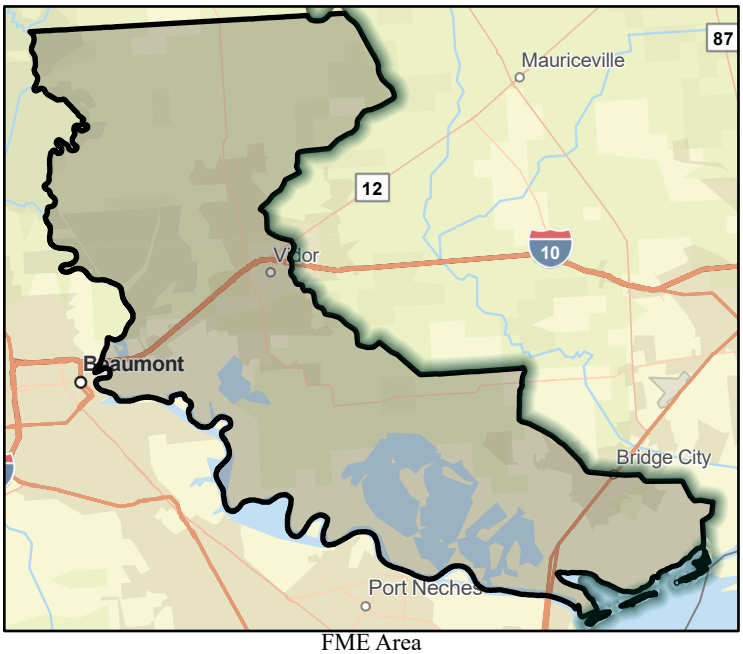
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Critical Facilities

Drainage Area (est. sq-mi): 156.33 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	14,367	Structures at Risk	8,194	Critical Facilities at Risk	96
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	240.89	Impacted Roadway Miles	207.41
Low Water Crossings	26	Total Historical Road Closures	26	Residential at Risk	7,032



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Morris Road Drainage Improvements

FME ID: 05-51-0000000300 Sponsor Entity ID: 05-01-0000003195

Sponsor name: Burke (Municipality)

RFPG recommend? No Reason for Recommendation: FME needs to be further evaluated

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Evaluate existing conditions and design ditch and culvert improvements that will be required with the reconstruction of Morris Road.

County: Angelina Existing/Anticipated Models? Yes New H&H Model? Yes

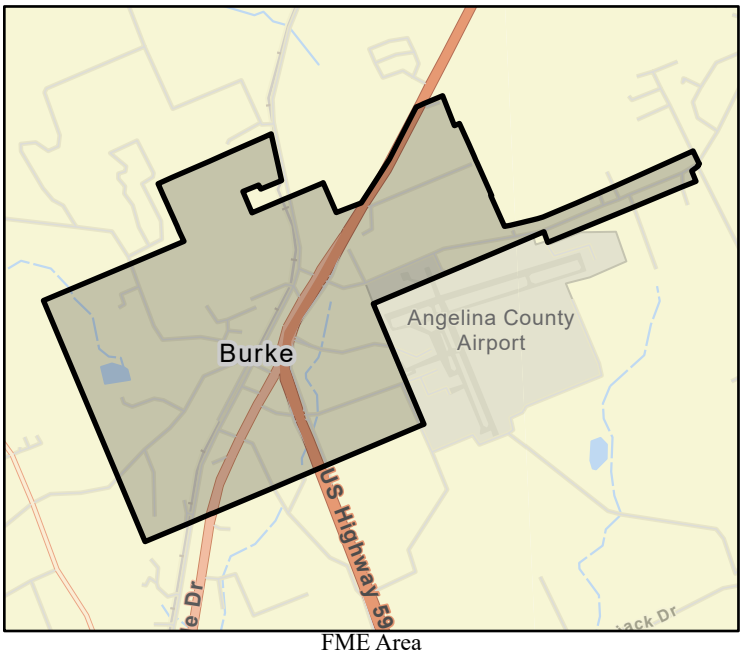
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 2.79 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	20	Structures at Risk	20	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.06
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	16



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Lumberton Local Improvements

FME ID: 05-51-0000000301 Sponsor Entity ID: 05-01-0000002488

Sponsor name: Lumberton (Municipality)

RFPG recommend? No Reason for Recommendation: FME needs to be further evaluated

FME Details

FME Type: Project Planning Est. FME Cost: $150,000

FME Description: Evaluate existing conditions and design drainage structures/elevate roadways to alleviate flooding for some of the neighborhoods within Lumberton.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

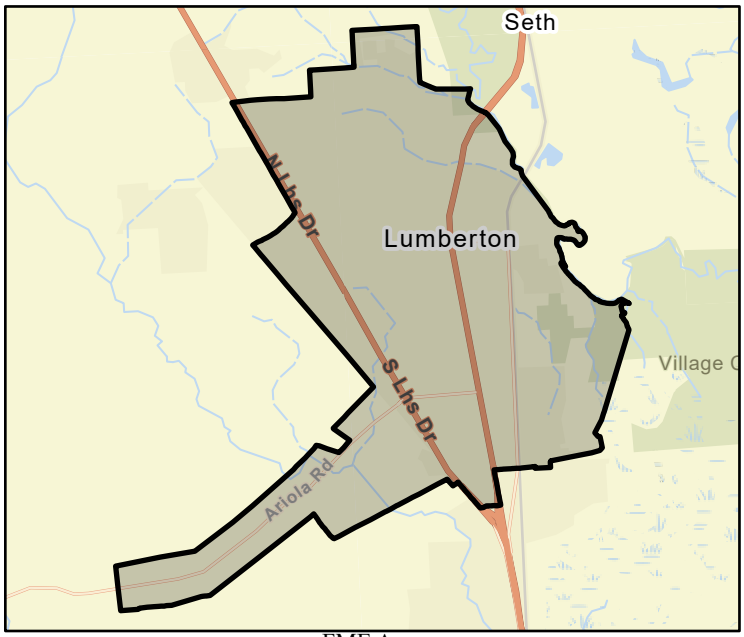
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 13.51 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	3,417	Structures at Risk	1,536	Critical Facilities at Risk	18
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	19.06	Impacted Roadway Miles	35.35
Low Water Crossings	3	Total Historical Road Closures	3	Residential at Risk	1,045



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: City of Kountze Master Drainage Plan

FME ID: 05-51-0000000302 Sponsor Entity ID: 05-01-0000003028

Sponsor name: Kountze (Municipality)

RFPG recommend? No Reason for Recommendation: FME needs to be further evaluated

FME Details

FME Type: Watershed Planning Est. FME Cost: $250,000

FME 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.

County: Hardin Existing/Anticipated Models? Yes New H&H Model? Yes

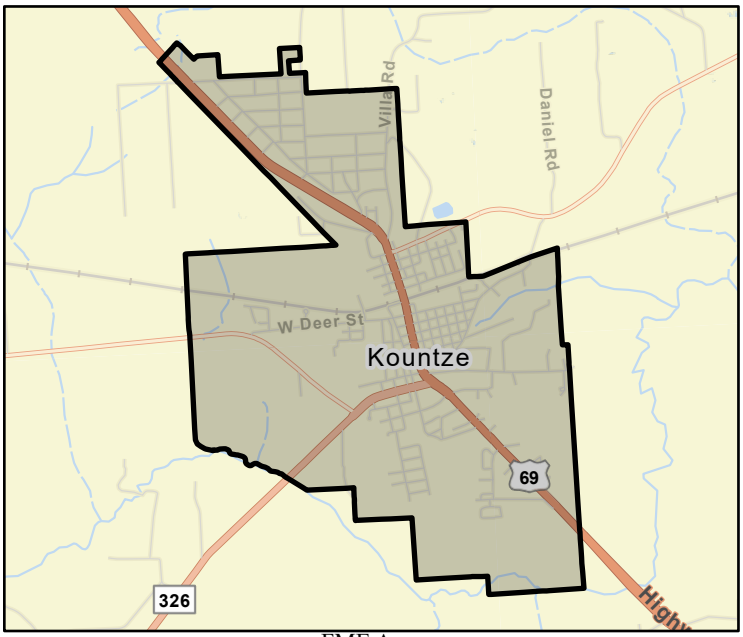
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Life/Property

Drainage Area (est. sq-mi): 3.99 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	127	Structures at Risk	94	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	3.94
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	55



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Lateral B-4 System Improvements Project

FME ID: 05-51-0000000303 Sponsor Entity ID: 05-01-0000001585

Sponsor name: Jefferson County Drainage District 7 (Flood District)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $442,000

FME Description: Conduct channel and culvert improvements and upgrades to the Lateral B-4-A and Lateral B-4-B systems.

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

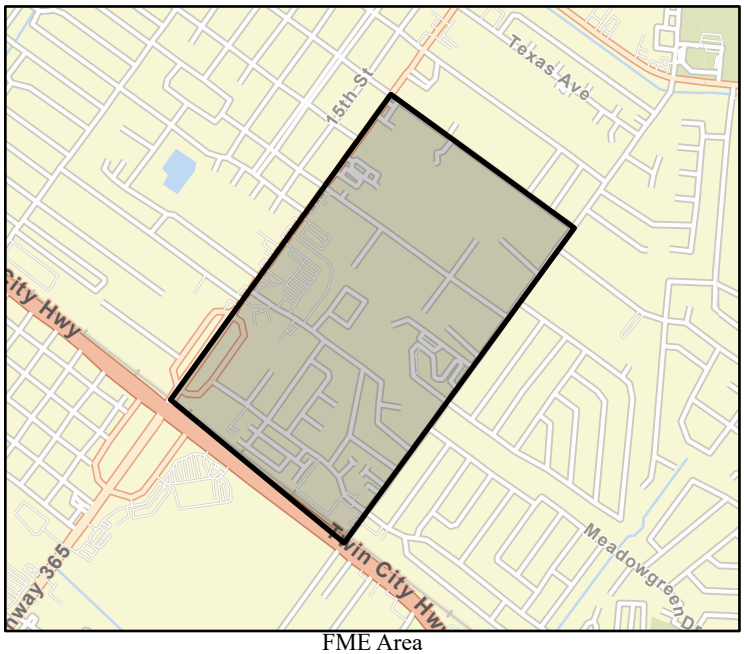
Emergency Need? Yes Emergency Need Description: Potential Flood Risk to Residential Properties in Proximity

Drainage Area (est. sq-mi): 0.43 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	920	Structures at Risk	332	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	4.76
Low Water Crossings	1	Total Historical Road Closures	1	Residential at Risk	302



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Port Neches Master Drainage Plan Alternative #1

FME ID: 05-51-0000000304 Sponsor Entity ID: 05-01-0000003088

Sponsor name: Port Neches (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Alternative proposes upsizing certain segments of the existing storm sewer system to increase the capcity of the system

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

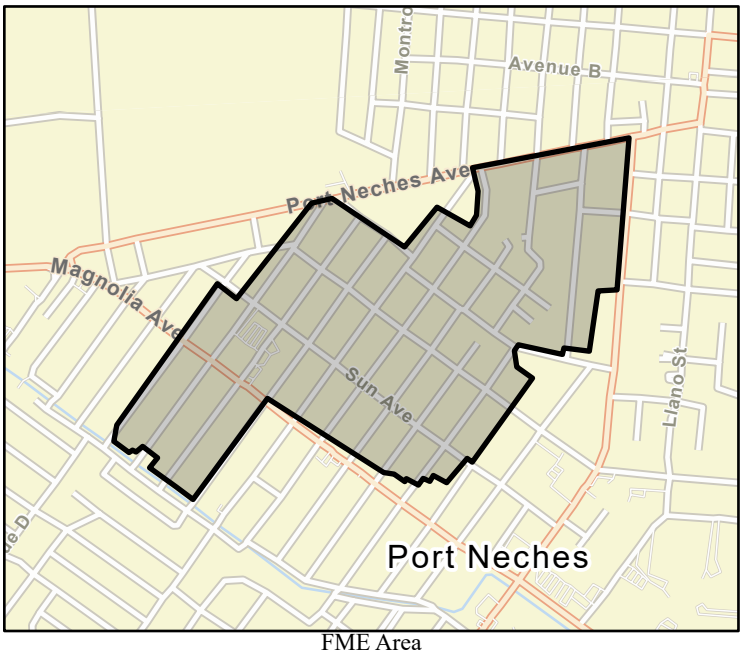
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.32 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	671	Structures at Risk	406	Critical Facilities at Risk	1
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	3.8
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	389



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Port Neches Master Drainage Plan Alternative #2

FME ID: 05-51-0000000305 Sponsor Entity ID: 05-01-0000003088

Sponsor name: Port Neches (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Alternative proposes removing the concrete weir and 24" RCP in DD7's Ditch B-6 and upsizing the culverts under 3rd street and 5th street

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

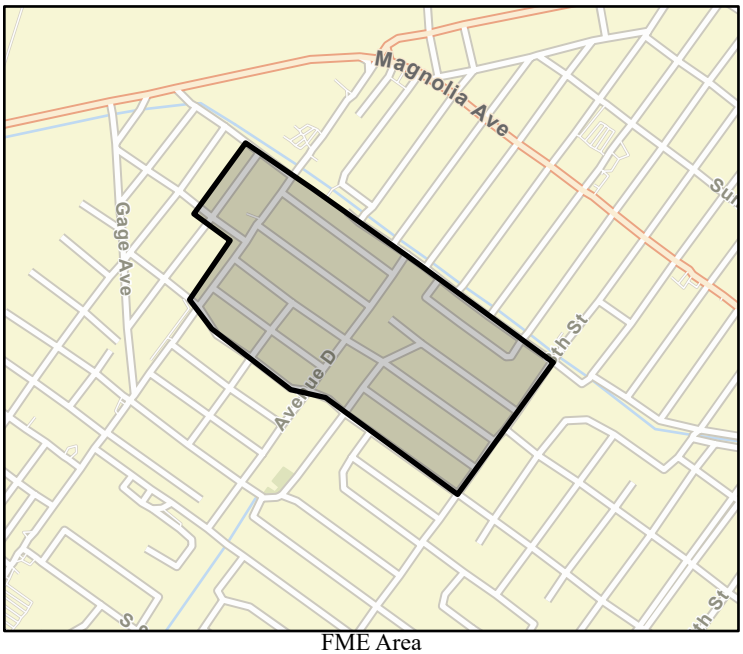
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.15 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	538	Structures at Risk	271	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	2.6
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	266



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Port Neches Master Drainage Plan Alternative #3

FME ID: 05-51-0000000306 Sponsor Entity ID: 05-01-0000003088

Sponsor name: Port Neches (Municipality)

RFPG recommend?: Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Alternative proposes upsizing certain segments of the existing storm sewer system to increase the capcity of the system

County: Jefferson Existing/Anticipated Models?: Yes New H&H Model?: Yes

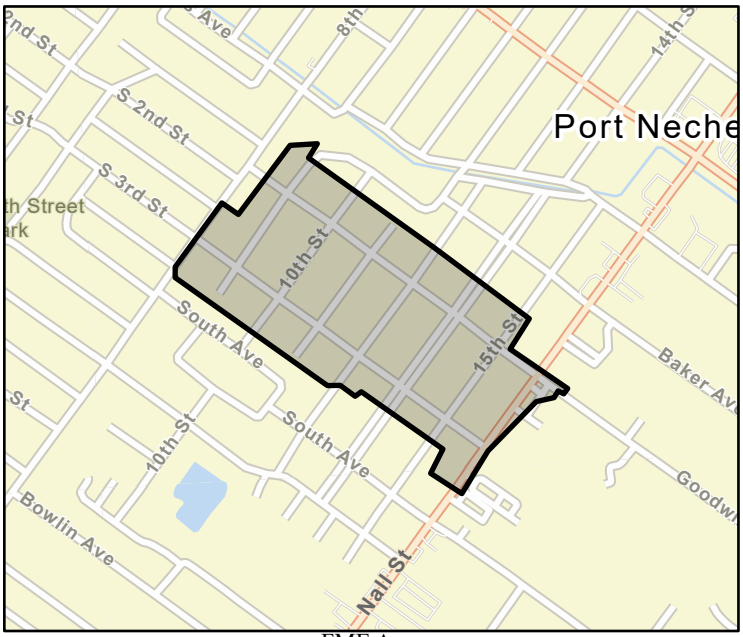
Emergency Need?: No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.12 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine?: Yes Coastal?: No Local?: Yes Playa?: No Other?: No Known Lives Lost in Study Area: N/A

Population at Risk	151	Structures at Risk	73	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.16
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	68



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Port Neches Master Drainage Plan Alternative #4

FME ID: 05-51-0000000307 Sponsor Entity ID: 05-01-0000003088

Sponsor name: Port Neches (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Alternative proposes upsizing certain segments of the existing storm sewer system to increase the capcity of the system

County: Jefferson Existing/Anticipated Models? Yes New H&H Model? Yes

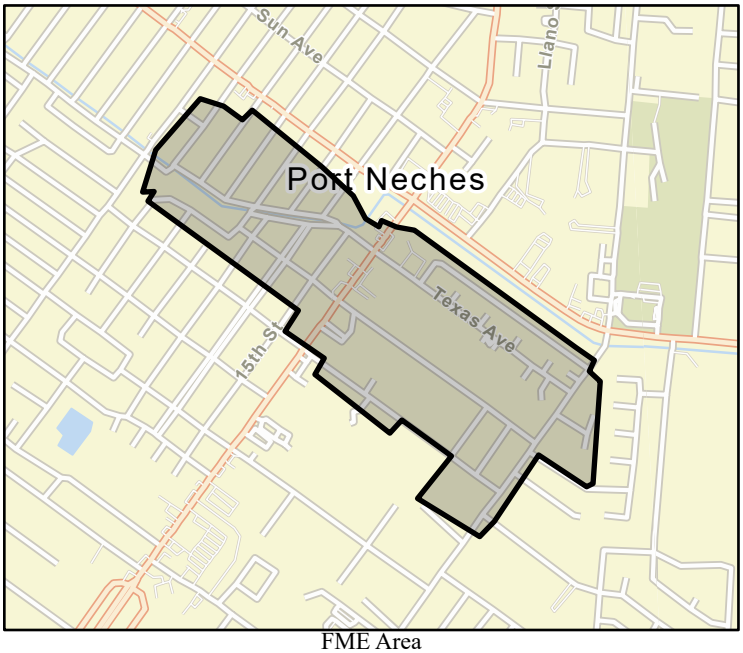
Emergency Need? No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.33 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Known Lives Lost in Study Area: N/A

Population at Risk	143	Structures at Risk	70	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.66
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	63



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Port Neches Master Drainage Plan Alternative #5

FME ID: 05-51-0000000308 Sponsor Entity ID: 05-01-0000003088

Sponsor name: Port Neches (Municipality)

RFPG recommend?: Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Alternative proposes upsizing existing culverts under Dinah Drive and Saba Lane to lower the water surface elevation in the city's concrete-lined ditch

County: Jefferson Existing/Anticipated Models?: Yes New H&H Model?: Yes

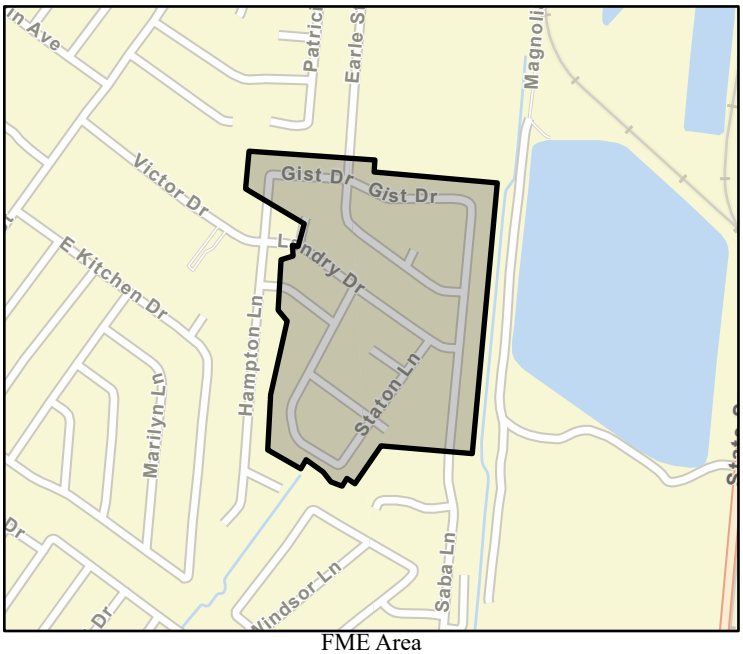
Emergency Need?: No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.11 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine?: Yes Coastal?: No Local?: Yes Playa?: No Other?: No Known Lives Lost in Study Area: N/A

Population at Risk	307	Structures at Risk	201	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	1.81
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	197



FME Area



Regional view of FME Area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Port Neches Master Draiange Plan Alternative #6

FME ID: 05-51-0000000309 Sponsor Entity ID: 05-01-0000003088

Sponsor name: Port Neches (Municipality)

RFPG recommend?: Yes Reason for Recommendation: Complies with RFPG Goals

FME Details

FME Type: Project Planning Est. FME Cost: $200,000

FME Description: Alternative proposes upsizing certain segments of the existing storm sewer system to increase the capcity of the system

County: Jefferson Existing/Anticipated Models?: Yes New H&H Model?: Yes

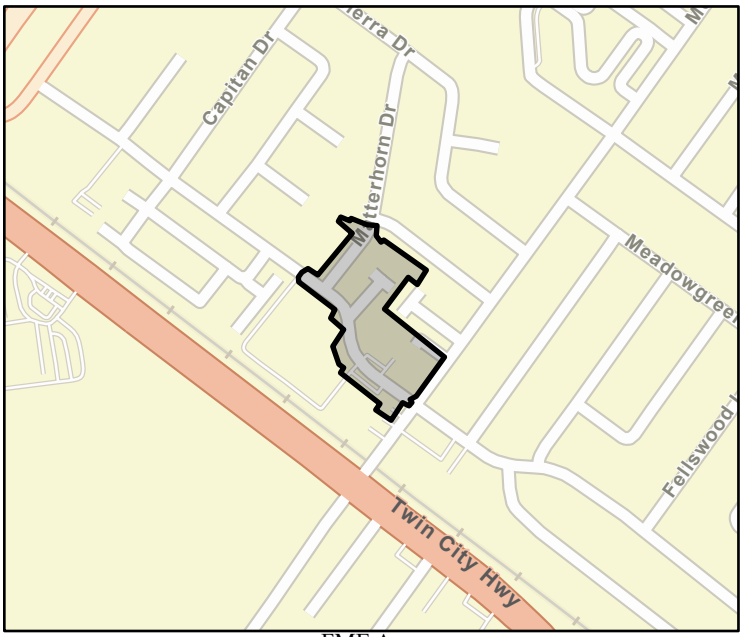
Emergency Need?: No Emergency Need Description: -

Drainage Area (est. sq-mi): 0.01 Assumptions/Relevant Context: N/A

100-Year Flood Risk Summary

Flood risk type: Riverine?: Yes Coastal?: No Local?: Yes Playa?: No Other?: No Known Lives Lost in Study Area: N/A

Population at Risk	135	Structures at Risk	22	Critical Facilities at Risk	0
Emergency Facilities at Risk	N/A	Farm/Ranch at Risk (acres)	0	Impacted Roadway Miles	0.28
Low Water Crossings	0	Total Historical Road Closures	0	Residential at Risk	17



FME Area



Regional view of FME Area