Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Neches Region Anderson County Flood Education Program
FMS ID	05-53-0000000001
Sponsor Entity ID	00-01-0000000156
Sponsor Name	Anderson County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Educate homeowners to increase awareness about the hazard of flooding and to inform residents of mitigation actions to reduce risk.
County	Anderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	495.35
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	376
Population at risk	1,119	Structures at risk	556	Critical facilities at risk	1
Farm/ranch at risk (acres)	224.42	Impacted roadway miles	83.6		
Low water crossings	10	Total historical road closures	10		

100-Year Flood Risk Reduction

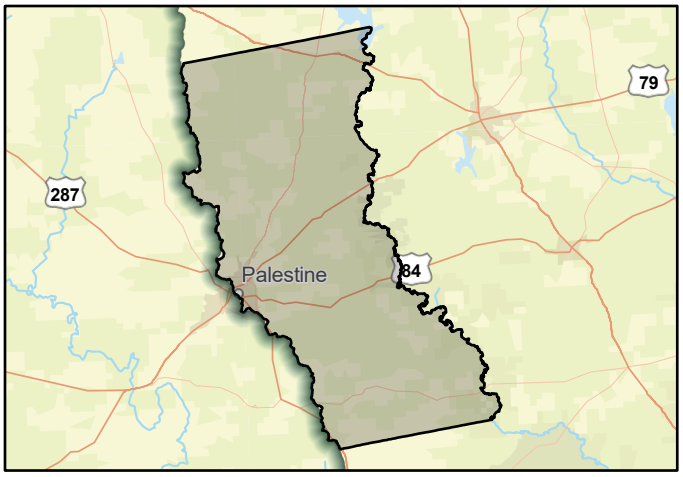
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

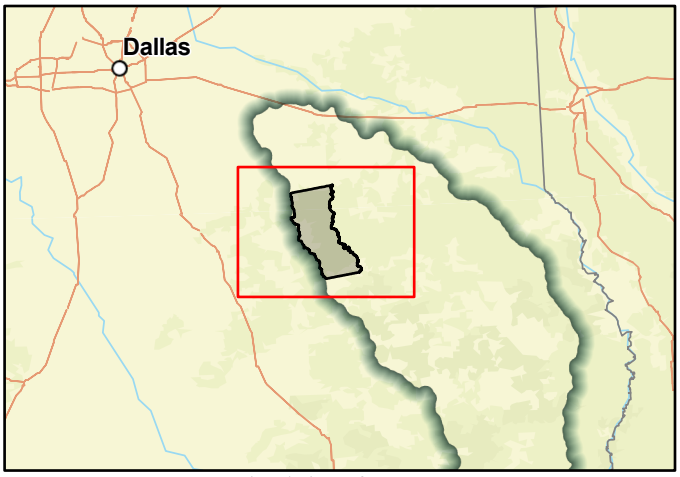
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$60,500	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Neches Region Anderson County Natural Hazards Education Program Development
FMS ID	05-53-0000000002
Sponsor Entity ID	00-01-0000000156
Sponsor Name	Anderson County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Develop, enhance and implement education programs to increase awareness of natural hazards and to inform residents of mitigation actions to reduce risk to citizens, public infrastructure, private property owners, businesses and schools.
County	Anderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	495.35
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	376
Population at risk	1,119	Structures at risk	556	Critical facilities at risk	1
Farm/ranch at risk (acres)	224.42	Impacted roadway miles	83.6		
Low water crossings	10	Total historical road closures	10		

100-Year Flood Risk Reduction

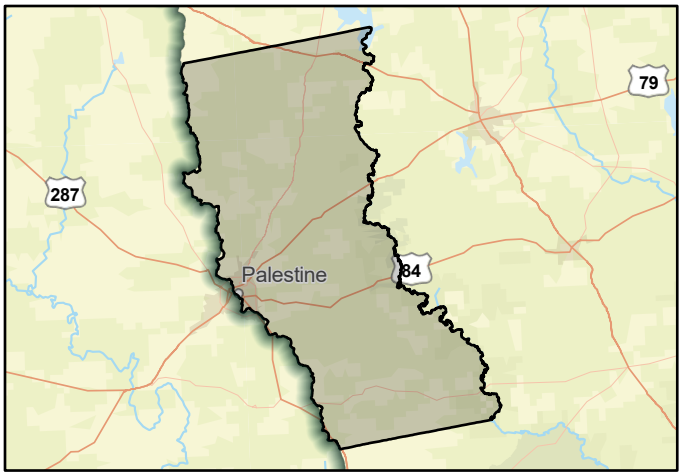
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

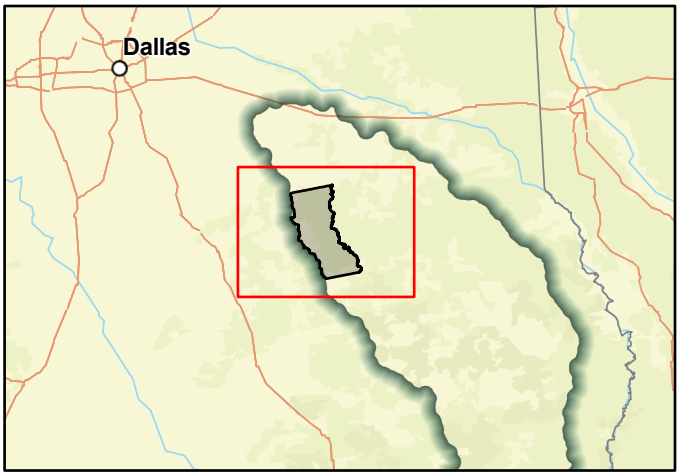
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$60,500	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Frankston Flood Education Program
FMS ID	05-53-0000000003
Sponsor Entity ID	05-01-0000003405
Sponsor Name	Frankston (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	The City will provide public education on the dangers of flash flooding, and to inform residents of mitigation actions to reduce risk to citizens, public infrastructure, private property owners, businesses and schools.
County	Anderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	2.47
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	12
Population at risk	63	Structures at risk	16	Critical facilities at risk	1
Farm/ranch at risk (acres)	0.28	Impacted roadway miles	1.61		
Low water crossings	1	Total historical road closures	1		

100-Year Flood Risk Reduction

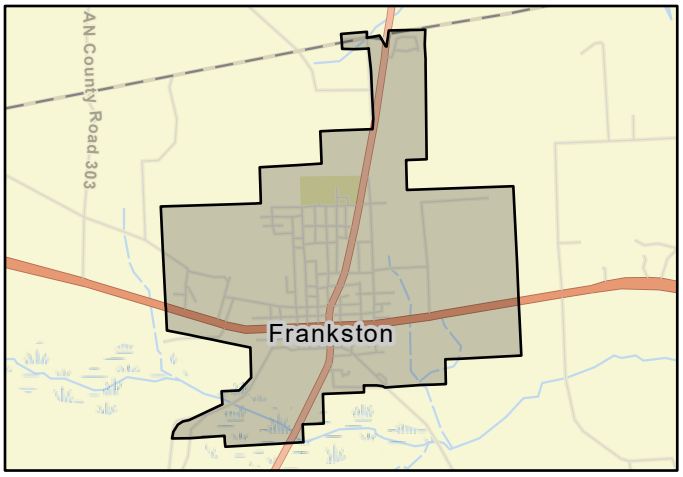
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

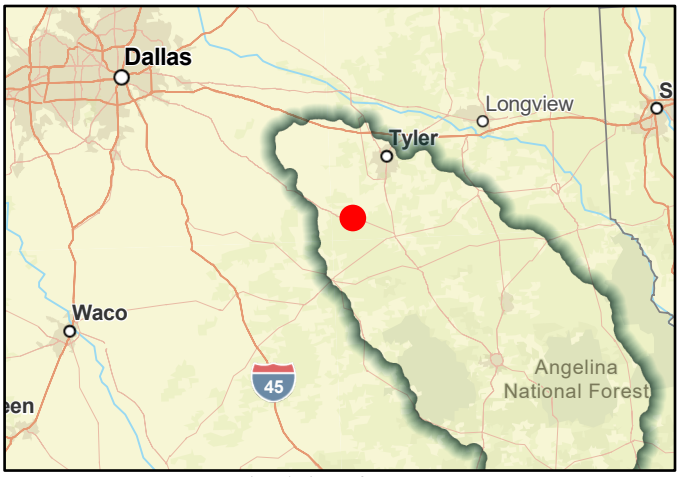
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$60,500	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Angelina County Public Education on Mitigation Techniques
FMS ID	05-53-0000000004
Sponsor Entity ID	05-01-0000000125
Sponsor Name	Angelina County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Publish educational materials to inform the public in methods of mitigating private property against natural hazard damage.
County	Angelina
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	860.98
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	25	Residential at risk	1,861
Population at risk	14,218	Structures at risk	2,796	Critical facilities at risk	37
Farm/ranch at risk (acres)	40.87	Impacted roadway miles	193.43		
Low water crossings	48	Total historical road closures	48		

100-Year Flood Risk Reduction

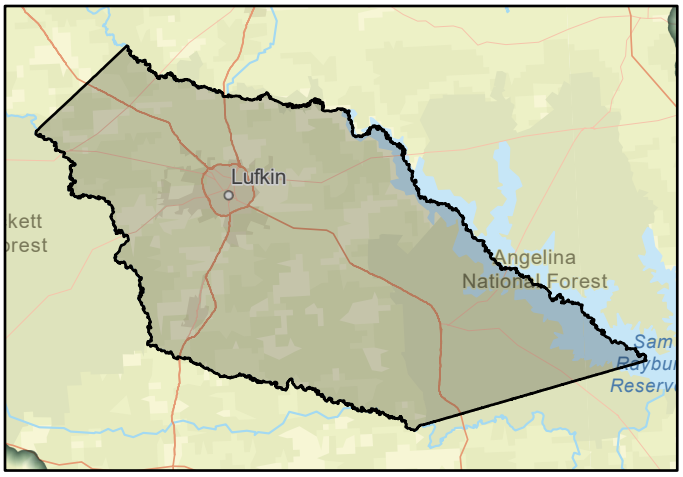
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

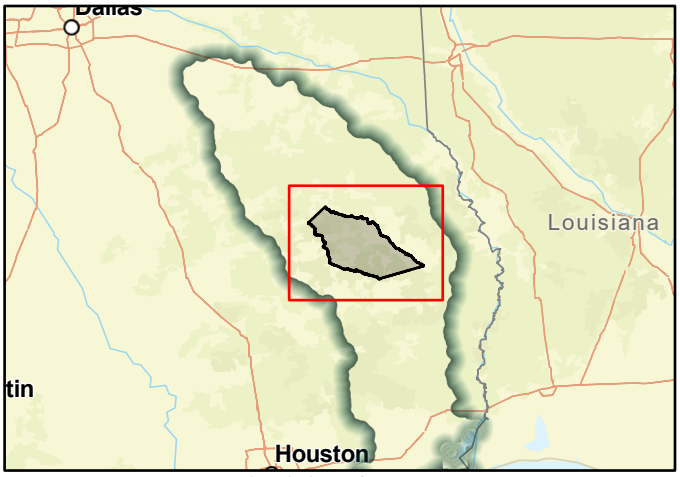
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,100	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Chambers County Public Education on Mitigation Techniques
FMS ID	05-53-0000000005
Sponsor Entity ID	00-01-0000000013
Sponsor Name	Chambers County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Implement an outreach and education campaign to educate the public on mitigation techniques for all hazards to reduce loss of life and property.
County	Chambers
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	434.46
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	2,138
Population at risk	5,041	Structures at risk	4,006	Critical facilities at risk	7
Farm/ranch at risk (acres)	59,127.27	Impacted roadway miles	211.29		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

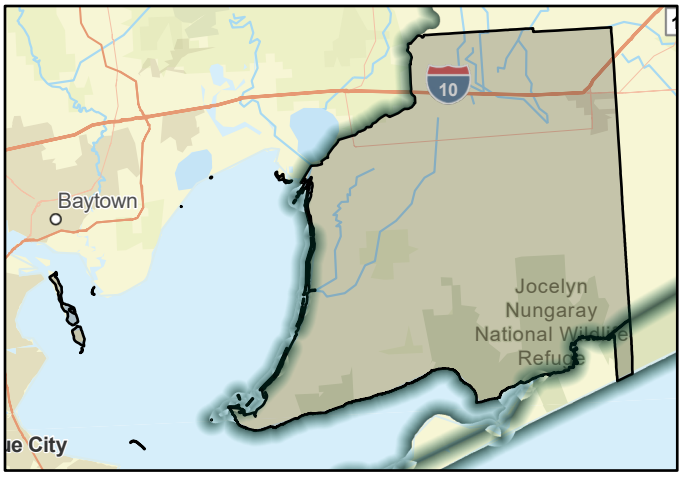
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$60,500	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Gallatin "Turn Around Don't Drown" Campaign
FMS ID	05-53-0000000006
Sponsor Entity ID	05-01-0000003310
Sponsor Name	Gallatin (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Promote the "Turn Around Don't Drown" campaign in partnership with DPS.
County	Cherokee
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	4.58
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	4
Population at risk	5	Structures at risk	5	Critical facilities at risk	0
Farm/ranch at risk (acres)	66.87	Impacted roadway miles	1.5		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

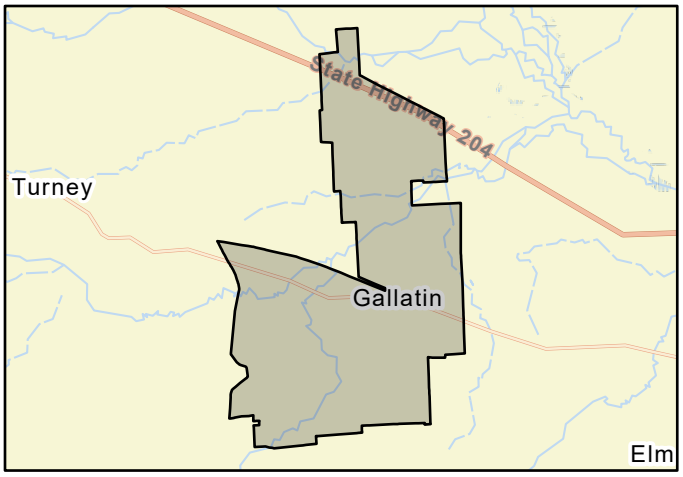
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,100	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Jacksonville Public Education on Mitigation Actions
FMS ID	05-53-0000000007
Sponsor Entity ID	05-01-0000003472
Sponsor Name	Jacksonville (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Develop and implement public education program to educate the public on mitigation actions to reduce their risk, along with posting updated pertinent weather information on City social media during weather events.
County	Cherokee
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	14.14
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	2	Residential at risk	313
Population at risk	3,083	Structures at risk	503	Critical facilities at risk	5
Farm/ranch at risk (acres)	1.6	Impacted roadway miles	13.99		
Low water crossings	7	Total historical road closures	7		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

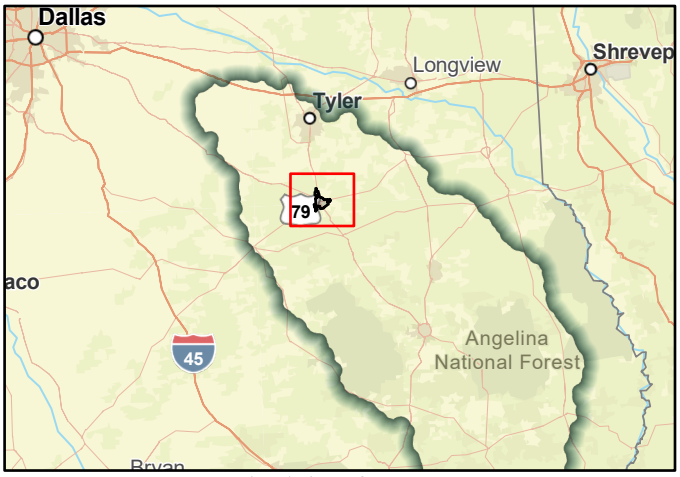
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$24,200	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Rusk "Turn Around Don't Drown" Campaign
FMS ID	05-53-0000000008
Sponsor Entity ID	05-01-0000002867
Sponsor Name	Rusk (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Promote the "Turn Around Don't Drown" campaign in partnership with DPS.
County	Cherokee
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	7.23
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	2	Residential at risk	23
Population at risk	779	Structures at risk	72	Critical facilities at risk	2
Farm/ranch at risk (acres)	0.08	Impacted roadway miles	4.32		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,100	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	Henderson County Emergency Training Program
FMS ID	05-53-0000000009
Sponsor Entity ID	00-01-0000000164
Sponsor Name	Henderson County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Education and Outreach
FMS Description	Increase training opportunities for citizens to encourage their involvement in mitigation efforts.
County	Henderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	373.91
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	2	Residential at risk	414
Population at risk	1,031	Structures at risk	692	Critical facilities at risk	2
Farm/ranch at risk (acres)	183.32	Impacted roadway miles	61.07		
Low water crossings	9	Total historical road closures	9		

100-Year Flood Risk Reduction

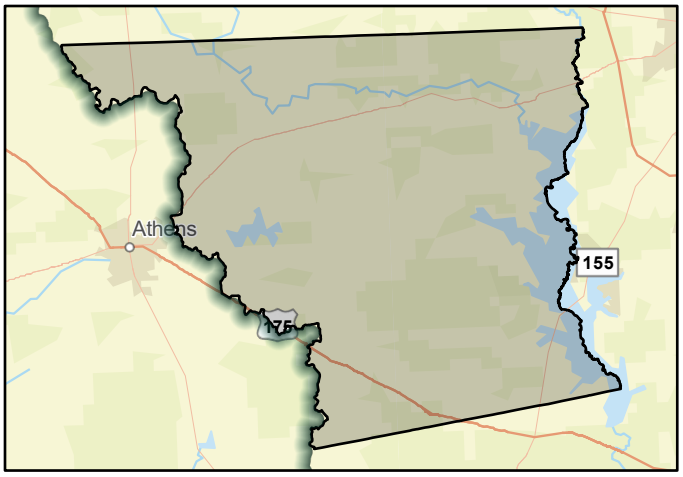
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

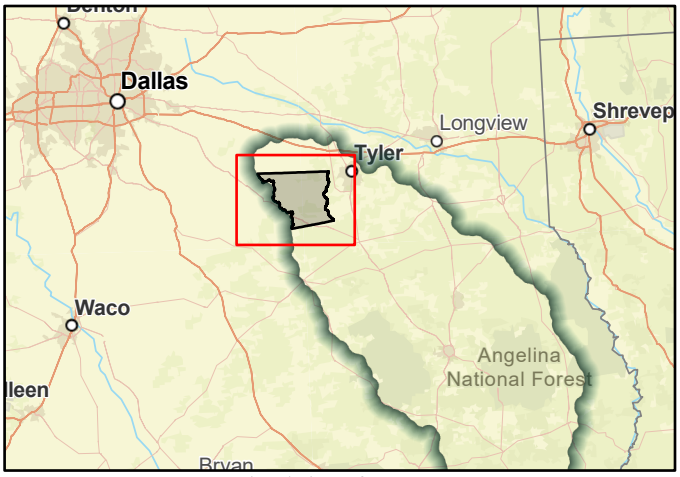
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$60,500	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Berryville Public Education on Mitigation Techniques
FMS ID	05-53-0000000010
Sponsor Entity ID	05-01-0000002890
Sponsor Name	Berryville (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Provide materials and data sources to educate citizens of all potential hazards in the planning area and methods to mitigate hazards and increase awareness.
County	Henderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	1.3
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	3
Population at risk	7	Structures at risk	7	Critical facilities at risk	0
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.74		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

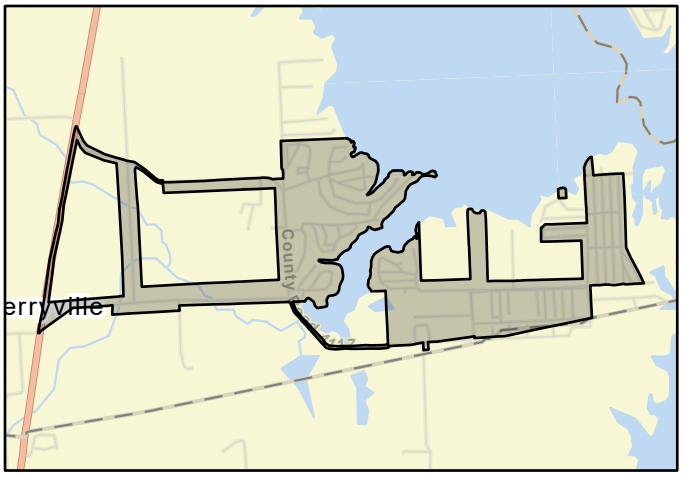
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$3,630	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

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

FMS ID: 05-53-0000000011 Sponsor Entity ID: 05-01-0000002891

Sponsor Name: Brownsboro (Municipality)

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

FMS Details

FMS Type: Education and Outreach

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

County: Henderson Associated FME's: - Associated FMP's: -

Emergency Need?: Yes If yes, describe Emergency Need: Potential Flood Risk to Life/Property

Drainage area (Est. sq-mi): 2.36 Assumptions/Relevant Context: N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	2	Residential at risk	39
Population at risk	491	Structures at risk	71	Critical facilities at risk	2
Farm/ranch at risk (acres)	2.11	Impacted roadway miles	2.87		
Low water crossings	1	Total historical road closures	1		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

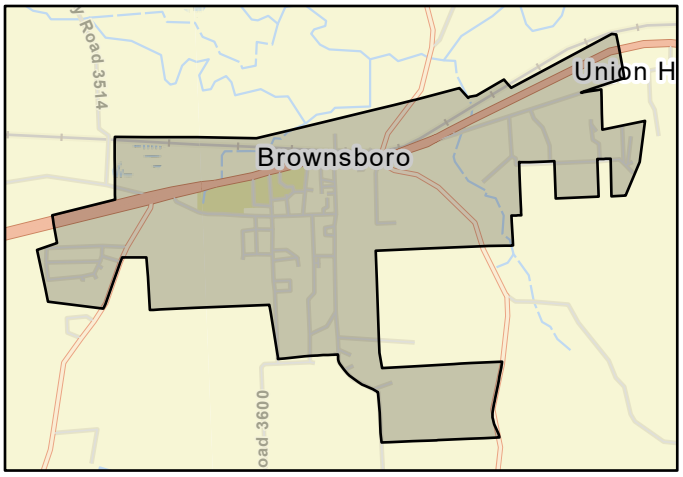
Impacts

Negative impact?: No Negative impact description: N/A

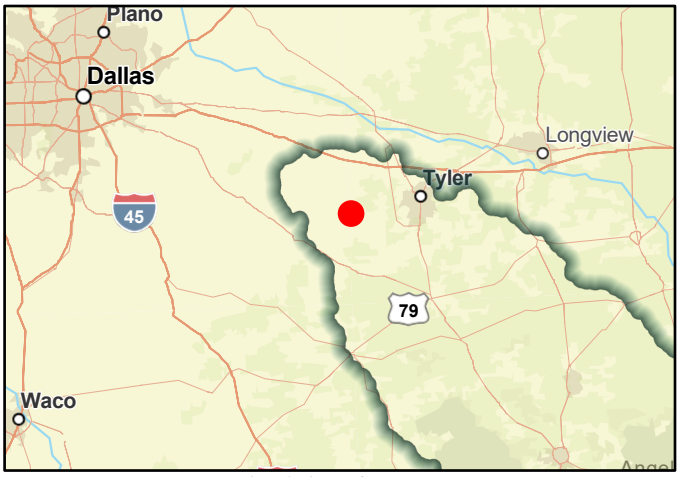
Water supply contributions?: No Water supply description: -

Estimated Cost(s)

Total FMS cost: $6,050 Non-recurring, non-capital cost (NRNC): $0 Percent Nature-Based: 0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Brownsboro Public Education on Mitigation Techniques
FMS ID	05-53-0000000012
Sponsor Entity ID	05-01-0000002891
Sponsor Name	Brownsboro (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Provide materials and data sources to educate citizens of all potential hazards in the planning area and methods to mitigate hazards and increase awareness.
County	Henderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	2.36
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	2	Residential at risk	39
Population at risk	491	Structures at risk	71	Critical facilities at risk	2
Farm/ranch at risk (acres)	2.11	Impacted roadway miles	2.87		
Low water crossings	1	Total historical road closures	1		

100-Year Flood Risk Reduction

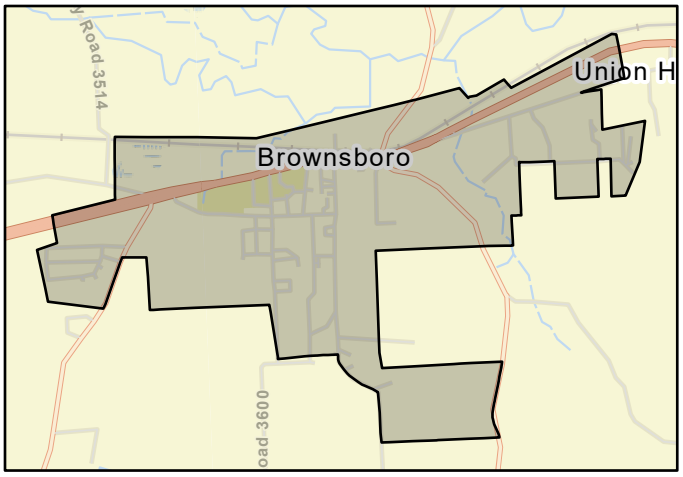
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

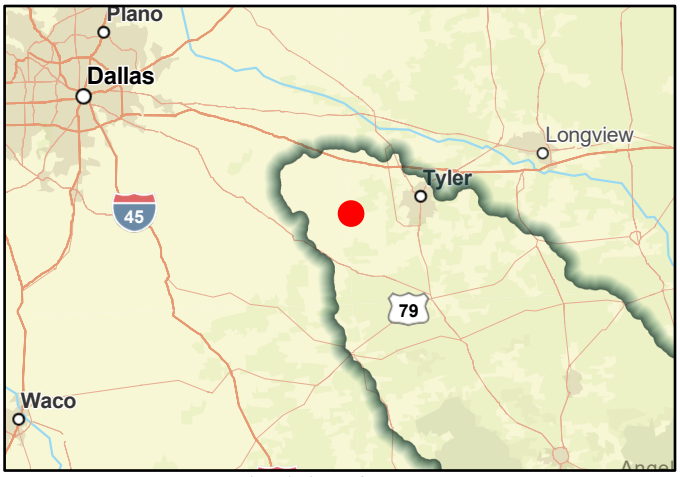
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$6,050	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Chandler Citizen/Business/City Mitigation Strategy Planning
FMS ID	05-53-0000000013
Sponsor Entity ID	05-01-0000002902
Sponsor Name	Chandler (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Encourage the development of public and private partnership with businesses, service organizations and other community groups to work together on mitigation
County	Henderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	6.18
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	86
Population at risk	313	Structures at risk	125	Critical facilities at risk	0
Farm/ranch at risk (acres)	0.91	Impacted roadway miles	3.27		
Low water crossings	1	Total historical road closures	1		

100-Year Flood Risk Reduction

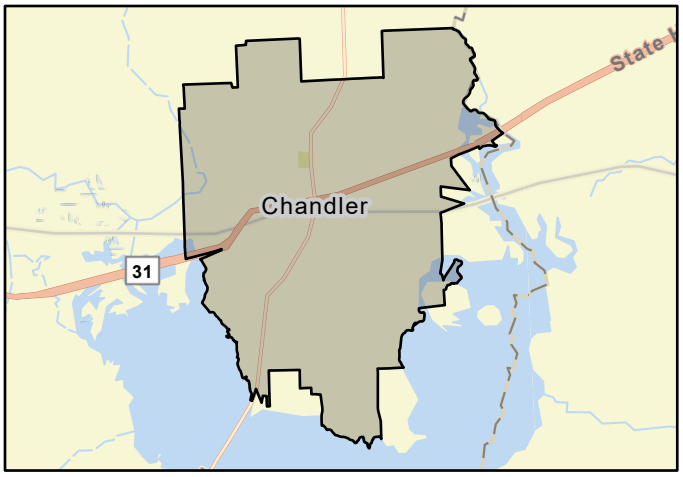
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

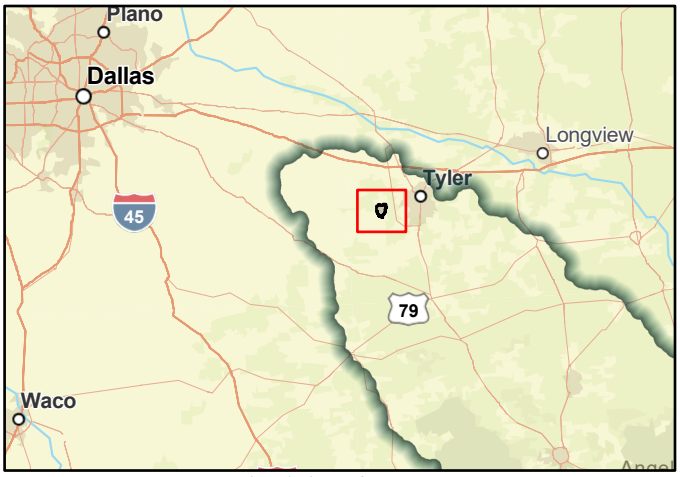
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,100	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Chandler Public Education on Code Red System
FMS ID	05-53-0000000014
Sponsor Entity ID	05-01-0000002902
Sponsor Name	Chandler (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Provide public training and education materials about the Code Red system and how to register for the warning system notifications
County	Henderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	6.18
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	86
Population at risk	313	Structures at risk	125	Critical facilities at risk	0
Farm/ranch at risk (acres)	0.91	Impacted roadway miles	3.27		
Low water crossings	1	Total historical road closures	1		

100-Year Flood Risk Reduction

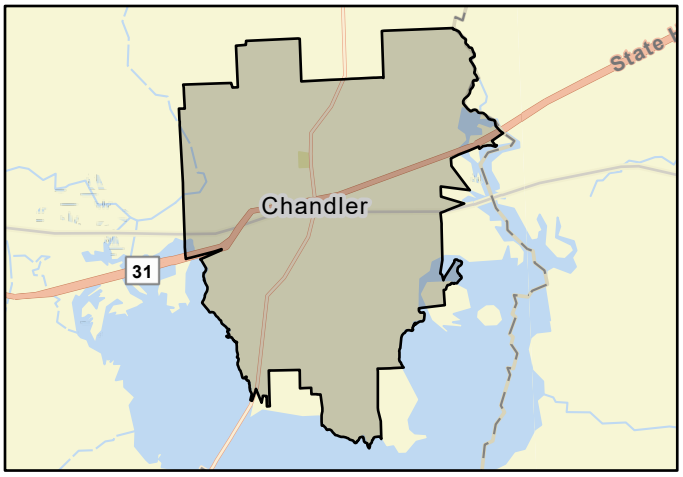
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

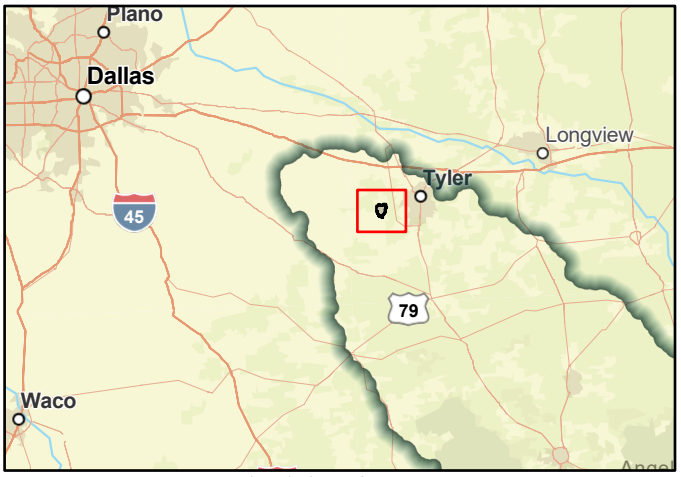
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,100	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	Houston County Property Elevation and Public Education on NFIP
FMS ID	05-53-0000000015
Sponsor Entity ID	00-01-0000000128
Sponsor Name	Houston County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Education and Outreach
FMS Description	Conduct program to educate residents on NFIP/availability of flood insurance and elevating new construction in and outside of mapped floodplain areas.
County	Houston
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	418.21
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	5	Residential at risk	51
Population at risk	274	Structures at risk	139	Critical facilities at risk	5
Farm/ranch at risk (acres)	79.73	Impacted roadway miles	67.11		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

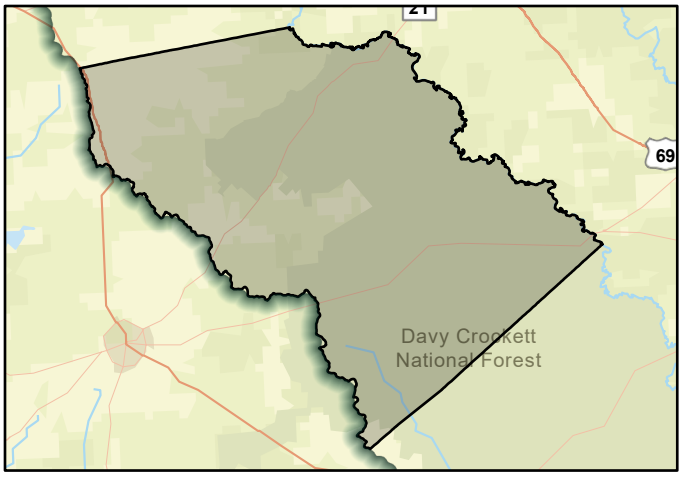
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

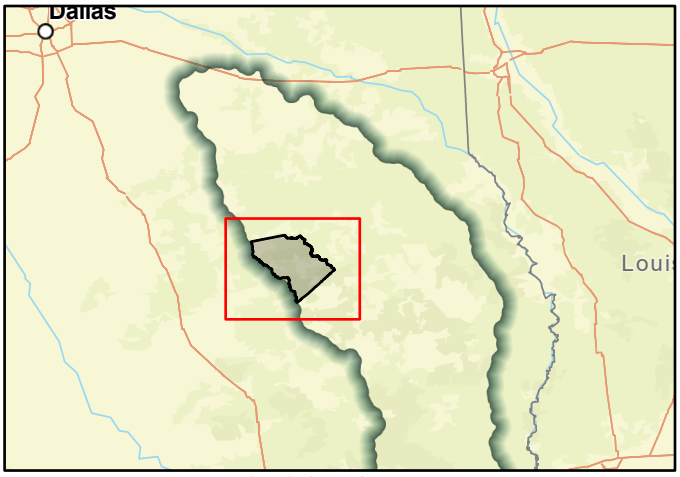
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,100	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	Houston County Public Education Program on Emergency Evacuation
FMS ID	05-53-0000000016
Sponsor Entity ID	00-01-0000000128
Sponsor Name	Houston County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Education and Outreach
FMS Description	Conduct public education program and advertise Houston County Emergency Evacuation Plan, such as escape routes in coordination with TxDOT.
County	Houston
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	418.21
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	5	Residential at risk	51
Population at risk	274	Structures at risk	139	Critical facilities at risk	5
Farm/ranch at risk (acres)	79.73	Impacted roadway miles	67.11		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

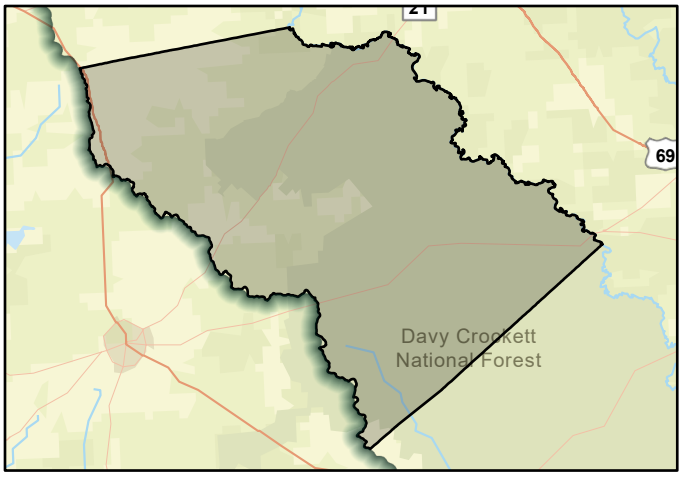
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

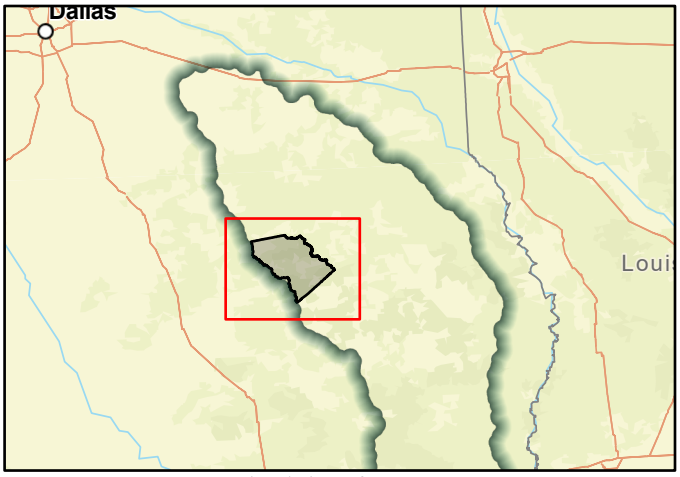
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$26,860	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	City of Kennard Public Awareness Program
FMS ID	05-53-0000000017
Sponsor Entity ID	00-01-0000000128
Sponsor Name	Houston County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Conduct public awareness program and distribute NFIP education information to citizens including availability of flood insurance.
County	Houston
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	418.21
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	5	Residential at risk	51
Population at risk	274	Structures at risk	139	Critical facilities at risk	5
Farm/ranch at risk (acres)	79.73	Impacted roadway miles	67.11		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

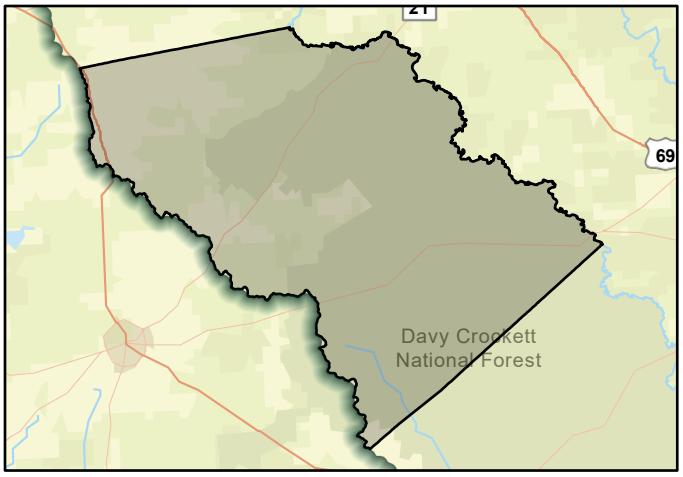
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

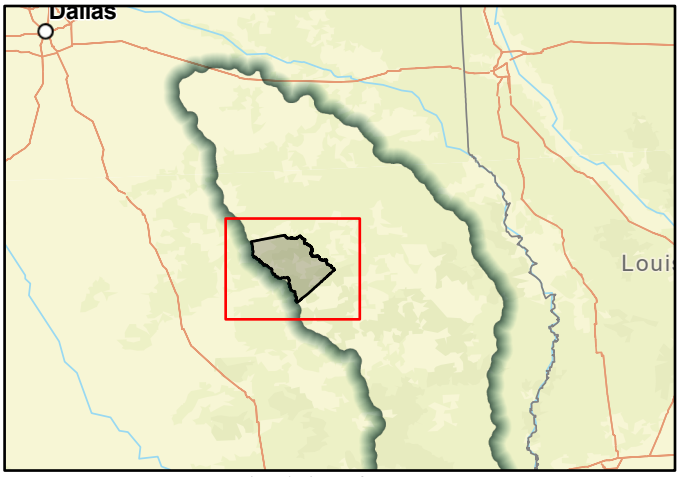
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,100	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: JCDD6 Public Education Material Distribution

FMS ID: 05-53-0000000018 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

FMS Details

FMS Type: Education and Outreach

FMS Description: Develop distribution centers in local libraries, DD6 facilities, DD6 website and other public buildings where information and safety guidance on natural and manmade hazards as well as ways to mitigate hazards can be provided to citizens

County: Jefferson Associated FME's: - Associated FMP's: -

Emergency Need?: Yes If yes, describe Emergency Need: Potential Flood Risk to Critical Facilities

Drainage area (Est. sq-mi): 496.66 Assumptions/Relevant Context: N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	154	Residential at risk	24,558
Population at risk	100,168	Structures at risk	29,646	Critical facilities at risk	356
Farm/ranch at risk (acres)	43,638.93	Impacted roadway miles	679.81		
Low water crossings	80	Total historical road closures	80		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

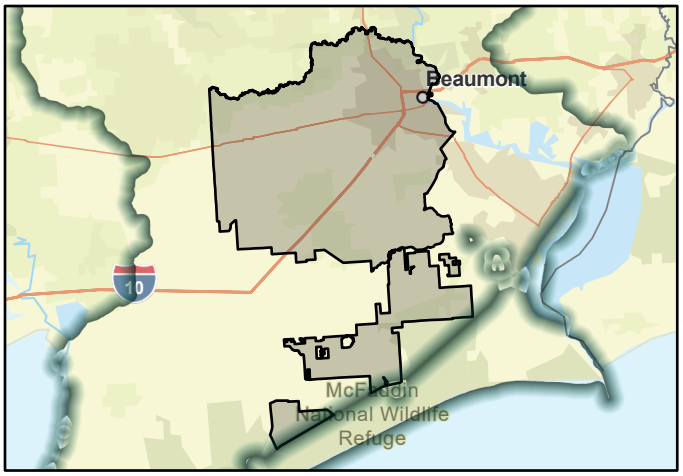
Impacts

Negative impact?: No Negative impact description: N/A

Water supply contributions?: No Water supply description: -

Estimated Cost(s)

Total FMS cost: $60,500 Non-recurring, non-capital cost (NRNC): $0 Percent Nature-Based: 0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Daisetta Education of City Council on Mitigation Benefits
FMS ID	05-53-0000000019
Sponsor Entity ID	05-01-0000002480
Sponsor Name	Daisetta (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Educate City Council on benefits of mitigation and encourage council members to become more involved.
County	Liberty
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	1.48
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	3	Residential at risk	53
Population at risk	73	Structures at risk	73	Critical facilities at risk	3
Farm/ranch at risk (acres)	0	Impacted roadway miles	2.15		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

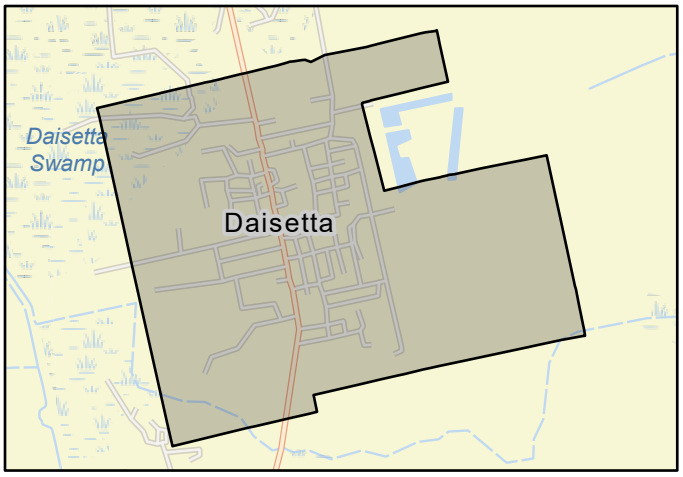
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,100	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Nacogdoches Public Education Program
FMS ID	05-53-0000000020
Sponsor Entity ID	05-01-0000002929
Sponsor Name	Nacogdoches (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Develop and promote a public education program regarding flood hazards, NFIP, and flood plain regulations.
County	Nacogdoches
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	27.54
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	4	Residential at risk	433
Population at risk	11,022	Structures at risk	866	Critical facilities at risk	13
Farm/ranch at risk (acres)	1.97	Impacted roadway miles	30.05		
Low water crossings	2	Total historical road closures	2		

100-Year Flood Risk Reduction

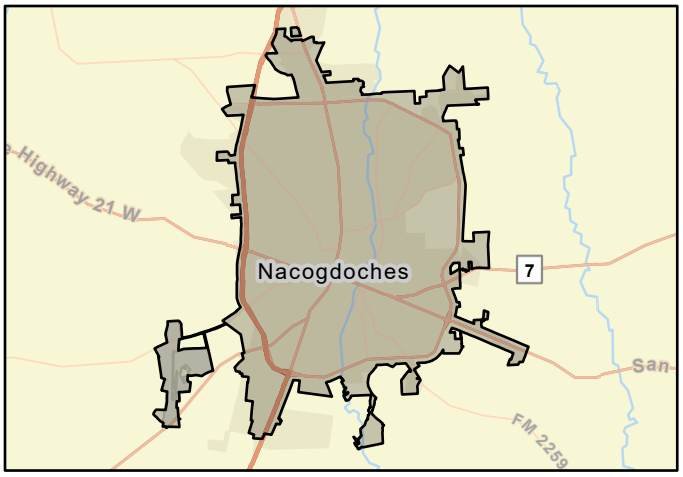
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$24,200	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Polk County Public Education Campaign
FMS ID	05-53-0000000021
Sponsor Entity ID	00-01-0000000058
Sponsor Name	Polk County (County)
RFPG Recommend?	No
Reason for Recommendation	defer to Trinity Region

FMS Details

FMS Type	Education and Outreach
FMS Description	Initiate public education campaign to improve the community's understanding and access to information on natural hazards and how to improve level of protection for their homes.
County	Polk
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	535.17
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	177
Population at risk	1,455	Structures at risk	330	Critical facilities at risk	0
Farm/ranch at risk (acres)	7.29	Impacted roadway miles	55.24		
Low water crossings	39	Total historical road closures	39		

100-Year Flood Risk Reduction

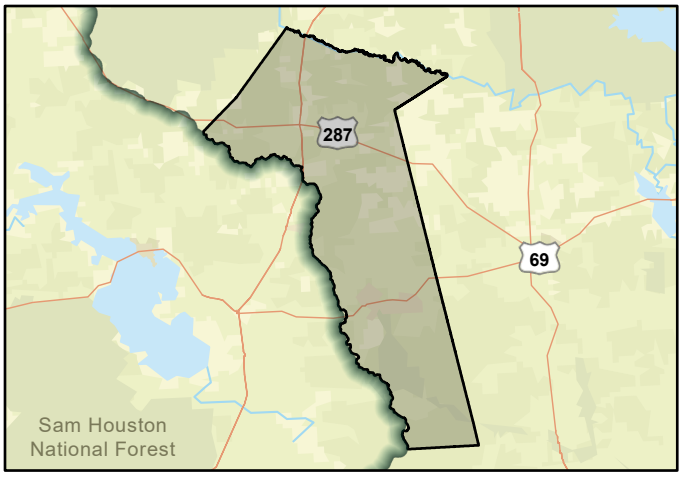
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$60,500	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	San Augustine County Public Education on Mitigation Techniques
FMS ID	05-53-0000000022
Sponsor Entity ID	00-01-0000000136
Sponsor Name	San Augustine County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Includes programs in schools and senior citizen centers, pamphlets, and community meetings.
County	San Augustine
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	533.5
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	90
Population at risk	347	Structures at risk	208	Critical facilities at risk	2
Farm/ranch at risk (acres)	7.31	Impacted roadway miles	46.45		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

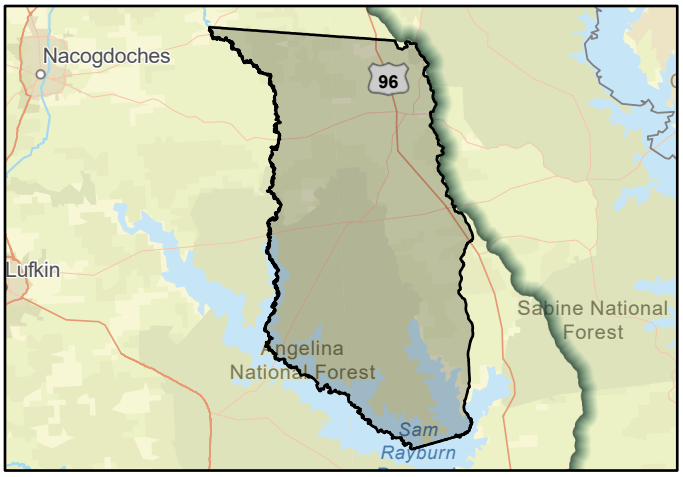
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

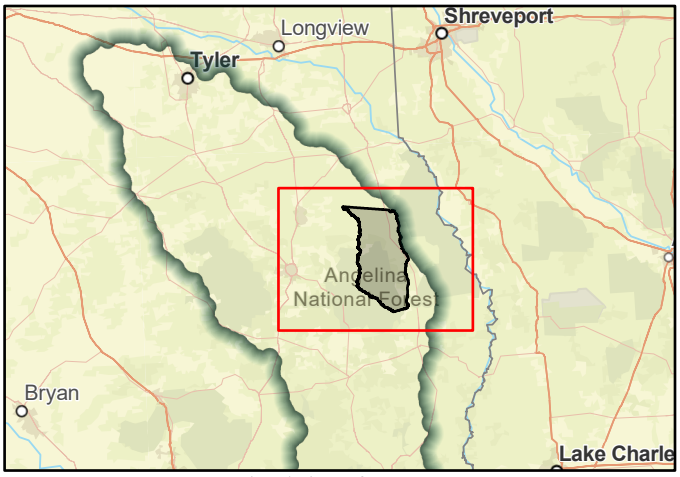
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,830	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Shelby County Public Education on Hazards
FMS ID	05-53-0000000023
Sponsor Entity ID	00-01-0000000153
Sponsor Name	Shelby County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Education and Outreach
FMS Description	Educate the residents of Shelby County and participating jurisdictions on safety and planning for the hazards identified in this plan
County	Shelby
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	159.87
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	0
Population at risk	22	Structures at risk	41	Critical facilities at risk	0
Farm/ranch at risk (acres)	7.07	Impacted roadway miles	15.62		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

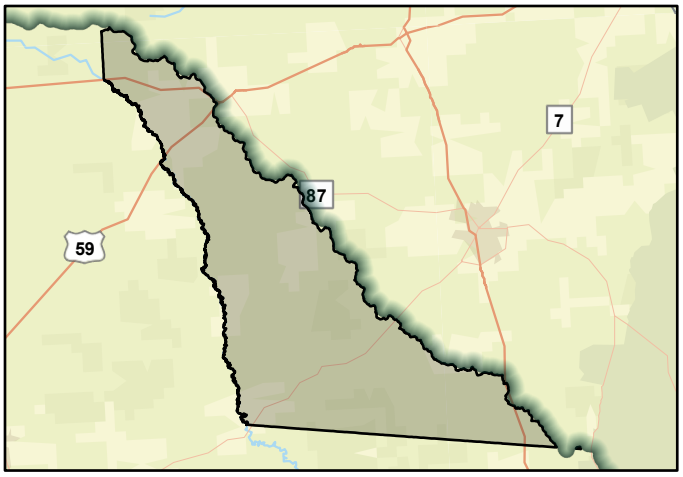
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$60,500	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Groveton Public Education on Mitigation Actions
FMS ID	05-53-0000000024
Sponsor Entity ID	00-01-0000003580
Sponsor Name	Groveton (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Create a program to educate the public about specific mitigation actions for multiple hazards
County	Trinity
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	0.63
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	2
Population at risk	1	Structures at risk	2	Critical facilities at risk	0
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.01		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

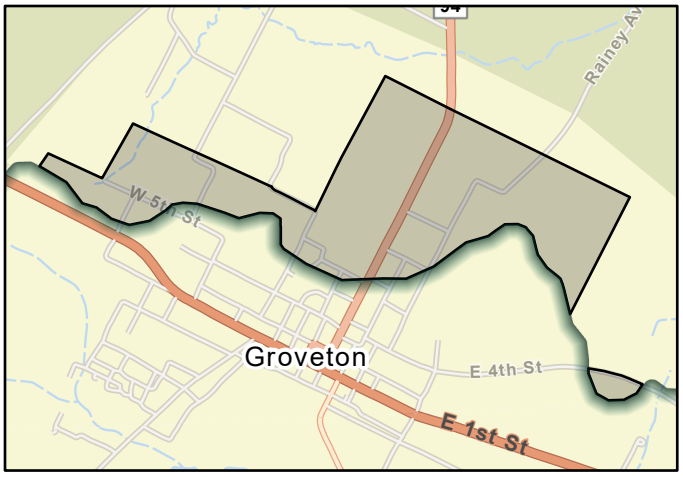
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$6,170	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Trinity County Public Education on Mitigation Actions
FMS ID	05-53-0000000025
Sponsor Entity ID	00-01-0000000065
Sponsor Name	Trinity County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Education and Outreach
FMS Description	Create a program to educate the public about specific mitigation actions for multiple hazards
County	Trinity
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	341.74
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	35
Population at risk	73	Structures at risk	70	Critical facilities at risk	0
Farm/ranch at risk (acres)	31.78	Impacted roadway miles	60.69		
Low water crossings	9	Total historical road closures	9		

100-Year Flood Risk Reduction

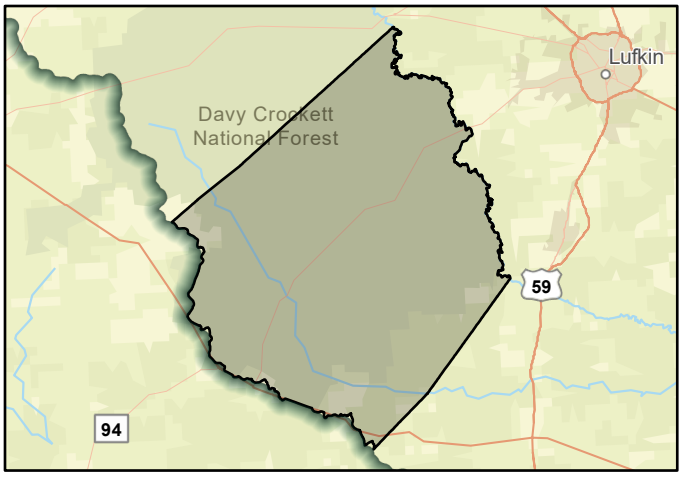
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,340	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Neches Region Anderson County Code Red System
FMS ID	05-53-0000000026
Sponsor Entity ID	00-01-0000000156
Sponsor Name	Anderson County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Plan and implement a new publicity campaign to expand enrollment in CODE RED notification system; use CODE RED to warn of impending hazard events.
County	Anderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	495.35
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	376
Population at risk	1,119	Structures at risk	556	Critical facilities at risk	1
Farm/ranch at risk (acres)	224.42	Impacted roadway miles	83.6		
Low water crossings	10	Total historical road closures	10		

100-Year Flood Risk Reduction

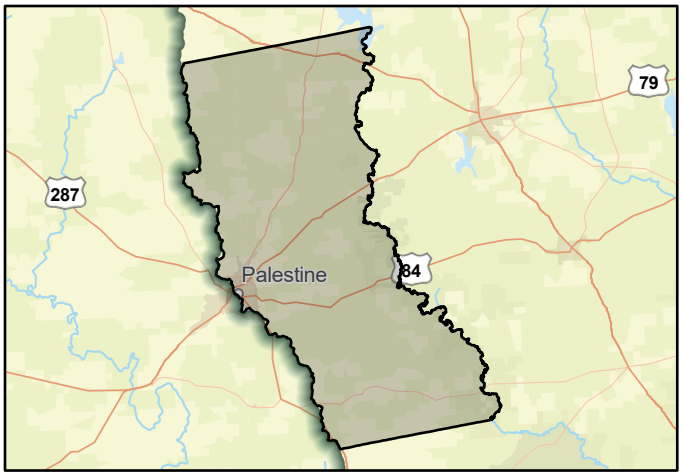
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

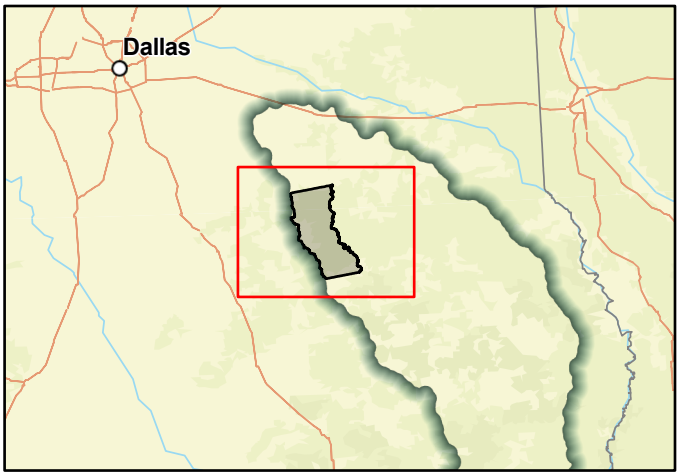
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$121,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Angelina County Siren Warning System Installation
FMS ID	05-53-0000000027
Sponsor Entity ID	05-01-0000000125
Sponsor Name	Angelina County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Install warning siren system.
County	Angelina
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	860.98
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	25	Residential at risk	1,861
Population at risk	14,218	Structures at risk	2,796	Critical facilities at risk	37
Farm/ranch at risk (acres)	40.87	Impacted roadway miles	193.43		
Low water crossings	48	Total historical road closures	48		

100-Year Flood Risk Reduction

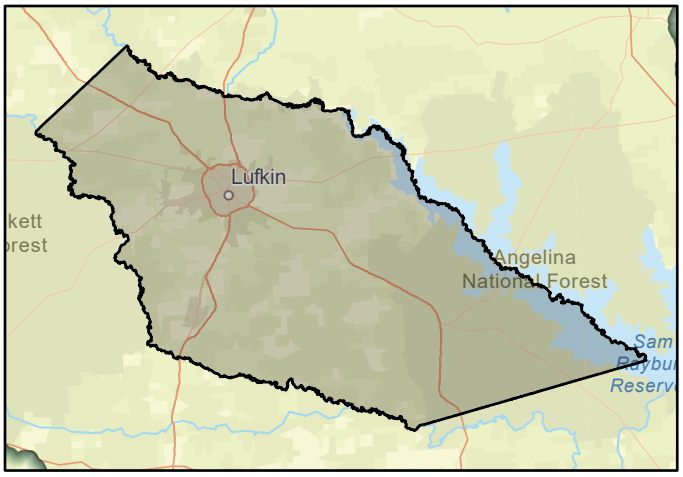
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

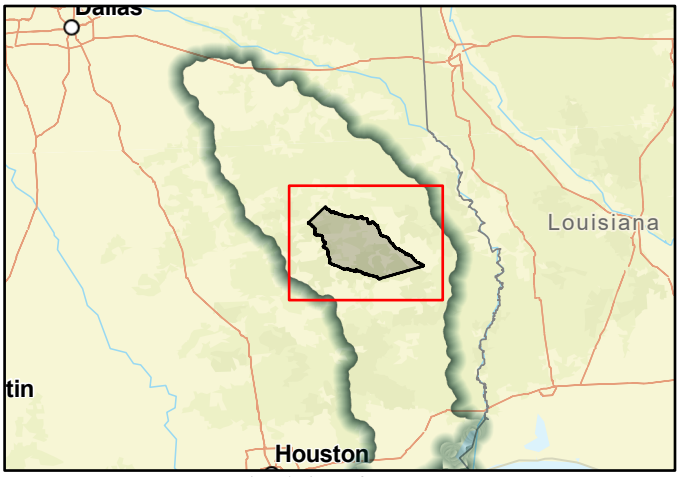
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$252,890	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Houston County Alert/Notification System Installation
FMS ID	05-53-0000000028
Sponsor Entity ID	00-01-0000000128
Sponsor Name	Houston County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Purchase and install I-info alert/notification system including one user license per jurisdiction or participating entity.
County	Houston
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	418.21
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	5	Residential at risk	51
Population at risk	274	Structures at risk	139	Critical facilities at risk	5
Farm/ranch at risk (acres)	79.73	Impacted roadway miles	67.11		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

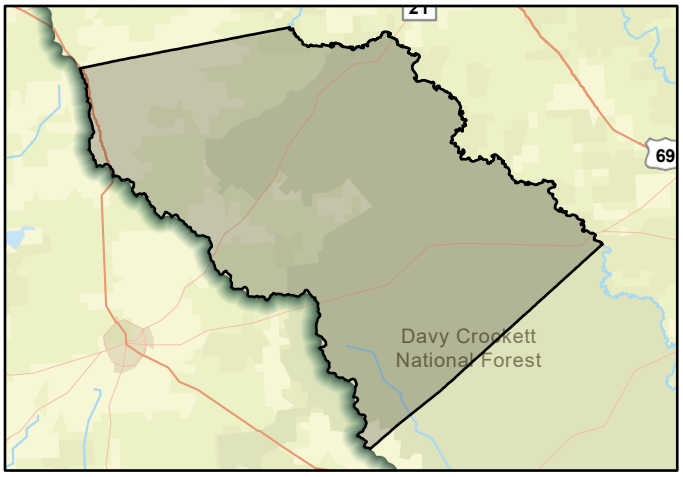
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

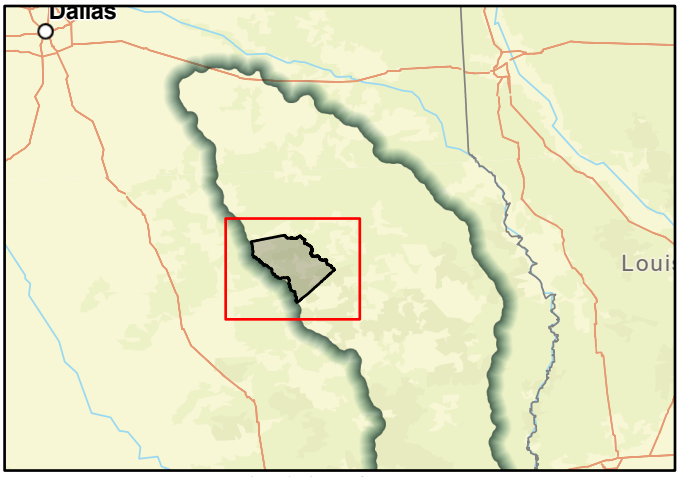
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$728,420	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	Houston County Gage Installation and Monitoring
FMS ID	05-53-0000000029
Sponsor Entity ID	00-01-0000000128
Sponsor Name	Houston County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Install stream and rain gauges in flood prone areas and waterways as part of overall rainfall tracking, recording program, and new alert notification system.
County	Houston
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	418.21
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	5	Residential at risk	51
Population at risk	274	Structures at risk	139	Critical facilities at risk	5
Farm/ranch at risk (acres)	79.73	Impacted roadway miles	67.11		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

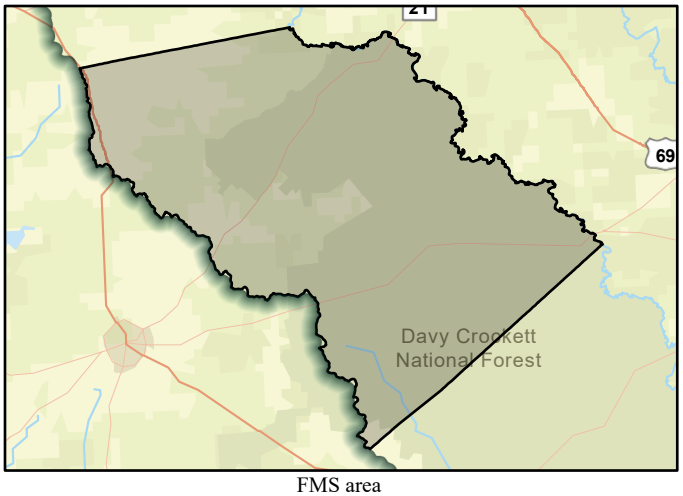
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

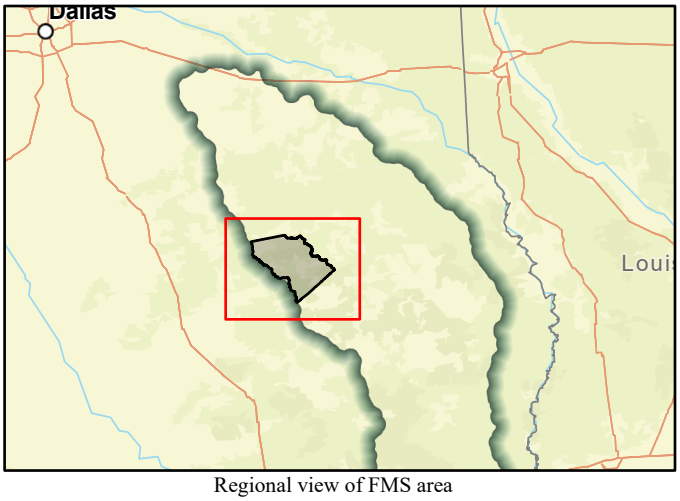
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$146,410	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	Houston County Rainfall Observer Program
FMS ID	05-53-0000000030
Sponsor Entity ID	00-01-0000000128
Sponsor Name	Houston County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Implement rainfall observer program utilizing volunteers.
County	Houston
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	418.21
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	5	Residential at risk	51
Population at risk	274	Structures at risk	139	Critical facilities at risk	5
Farm/ranch at risk (acres)	79.73	Impacted roadway miles	67.11		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

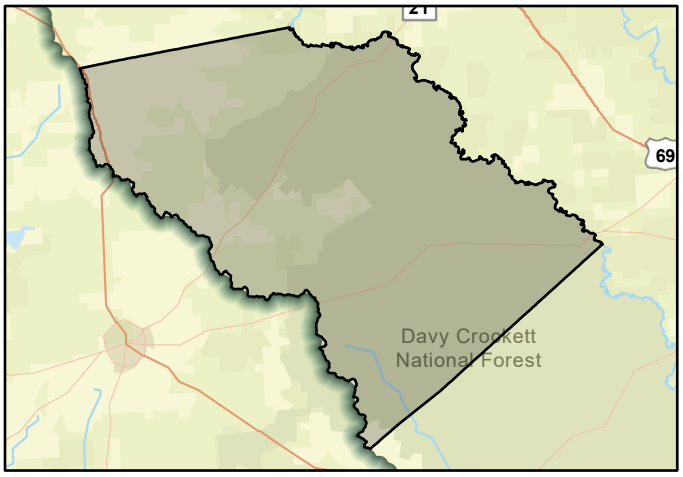
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

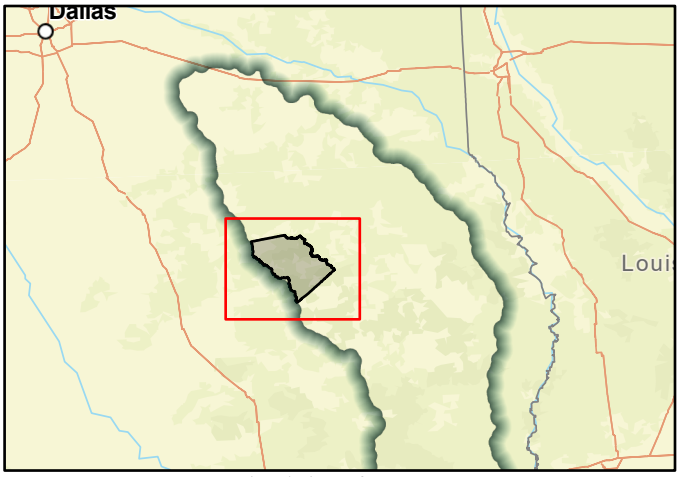
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$6,050	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Brownsboro Code Red System Implementation
FMS ID	05-53-0000000031
Sponsor Entity ID	05-01-0000002891
Sponsor Name	Brownsboro (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Obtain access and/or incorporate the use of the automated emergency calling system, Code Red, into local emergency management plan
County	Henderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	2.36
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	2	Residential at risk	39
Population at risk	491	Structures at risk	71	Critical facilities at risk	2
Farm/ranch at risk (acres)	2.11	Impacted roadway miles	2.87		
Low water crossings	1	Total historical road closures	1		

100-Year Flood Risk Reduction

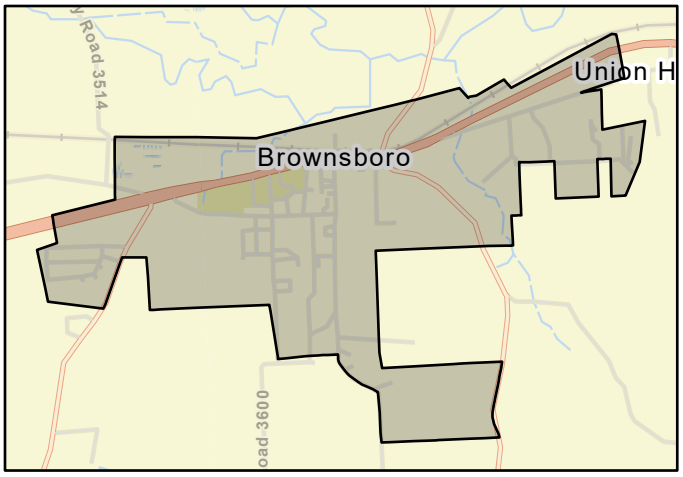
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

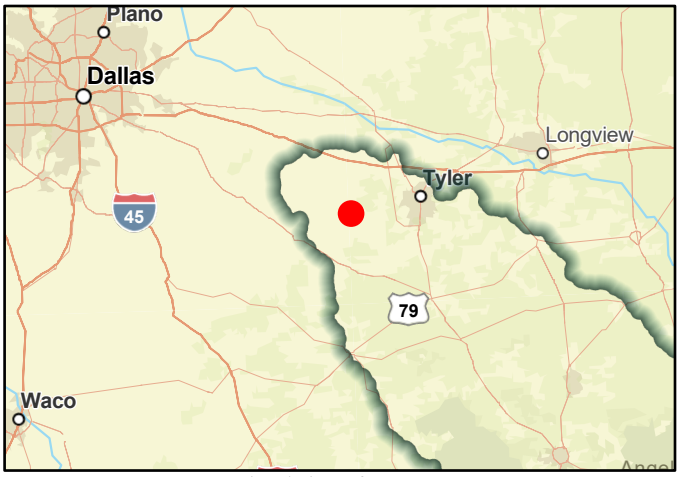
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$121,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Chandler Warning Siren Maintenance
FMS ID	05-53-0000000032
Sponsor Entity ID	05-01-0000002902
Sponsor Name	Chandler (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Check the location and condition of warning sirens; determine if repairs are needed
County	Henderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	6.18
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	86
Population at risk	313	Structures at risk	125	Critical facilities at risk	0
Farm/ranch at risk (acres)	0.91	Impacted roadway miles	3.27		
Low water crossings	1	Total historical road closures	1		

100-Year Flood Risk Reduction

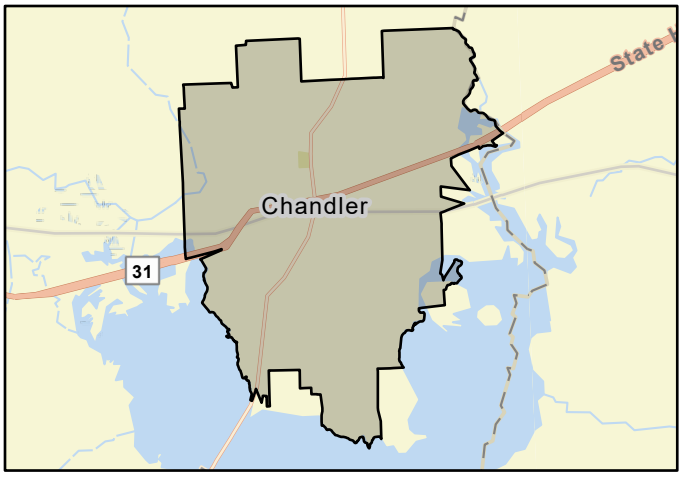
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

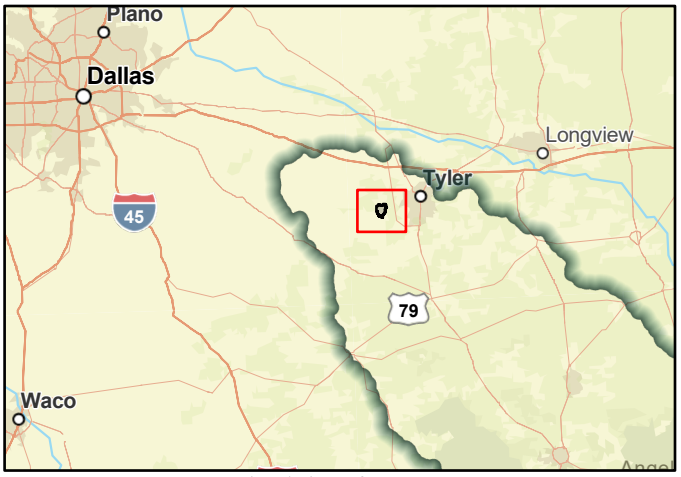
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$121,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Murchison Warning Siren System Installation
FMS ID	05-53-0000000033
Sponsor Entity ID	05-01-0000002884
Sponsor Name	Murchison (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Obtain early warning siren system installment inside jurisdiction to assist in public notification of hazard prior to hazard occurrence
County	Henderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	1.57
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	12
Population at risk	47	Structures at risk	23	Critical facilities at risk	0
Farm/ranch at risk (acres)	0.62	Impacted roadway miles	1.56		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

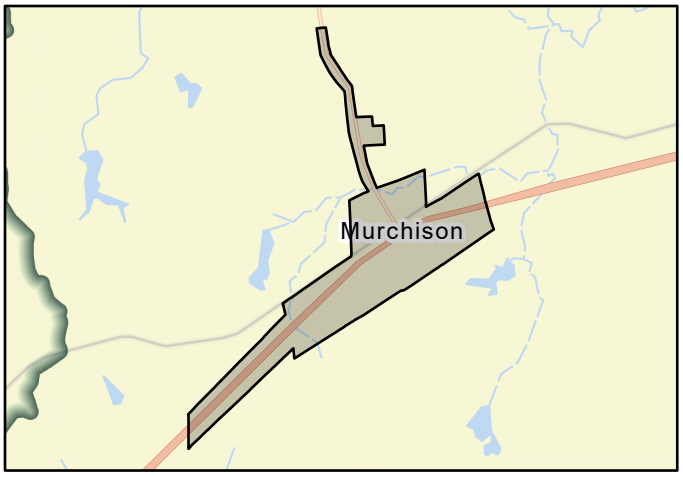
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

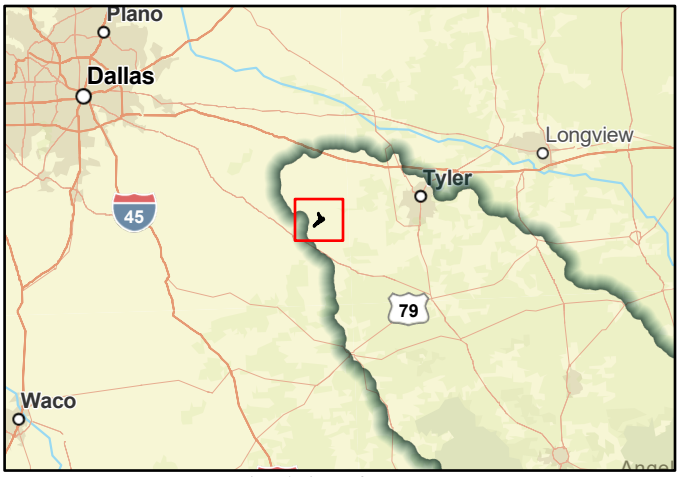
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$121,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	JCDD6 Increase Flood Predictive Capability for Streams and Creeks
FMS ID	05-53-0000000034
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

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Utilize ALERT stations and work with National Weather Service to help citizens of the Bevil Oaks community better understand the flood warnings and predictions.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	496.66
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	154	Residential at risk	24,558
Population at risk	100,168	Structures at risk	29,646	Critical facilities at risk	356
Farm/ranch at risk (acres)	43,638.93	Impacted roadway miles	679.81		
Low water crossings	80	Total historical road closures	80		

100-Year Flood Risk Reduction

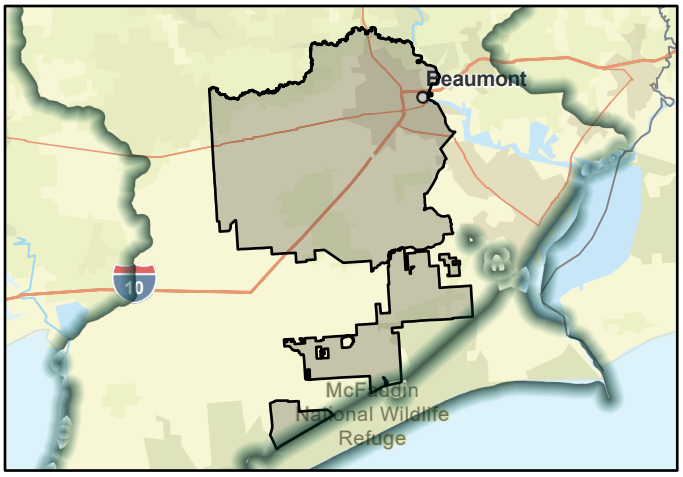
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$121,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	JCDD7 Update Data Operation System-Control Center
FMS ID	05-53-0000000035
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

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Will allow officials to see what pump stations are operating in real time, monitor pumps/generator conditions and status
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	111.94
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	95	Residential at risk	28,780
Population at risk	73,220	Structures at risk	34,102	Critical facilities at risk	1,366
Farm/ranch at risk (acres)	887.86	Impacted roadway miles	509.33		
Low water crossings	34	Total historical road closures	34		

100-Year Flood Risk Reduction

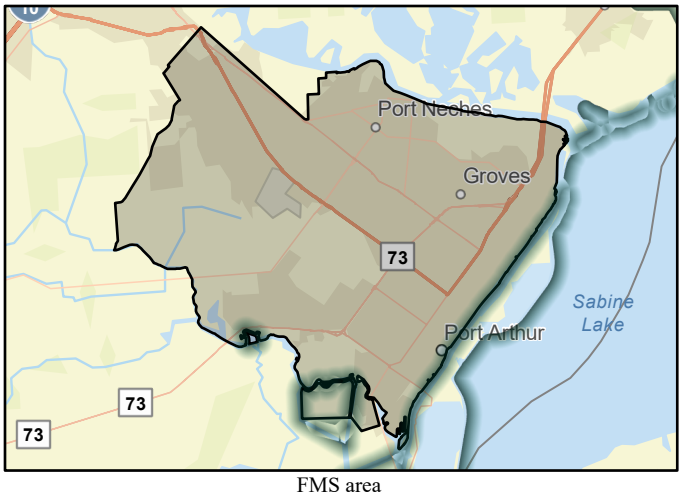
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

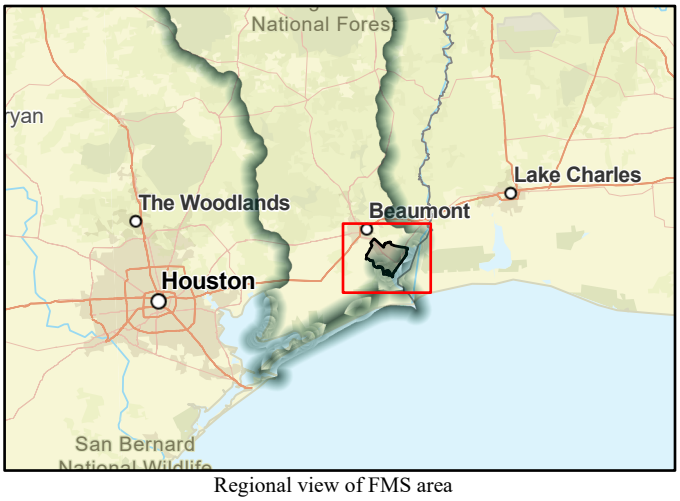
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$125,840	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	OCDD Hazard Notification System Development
FMS ID	05-53-0000000036
Sponsor Entity ID	00-01-0000000512
Sponsor Name	Orange County Drainage District (Flood District)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Develop employee emergency notification system to warn staff of imminent hazards/risks.
County	Orange
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	155.73
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	55	Residential at risk	7,032
Population at risk	14,367	Structures at risk	8,194	Critical facilities at risk	96
Farm/ranch at risk (acres)	240.89	Impacted roadway miles	207.02		
Low water crossings	26	Total historical road closures	26		

100-Year Flood Risk Reduction

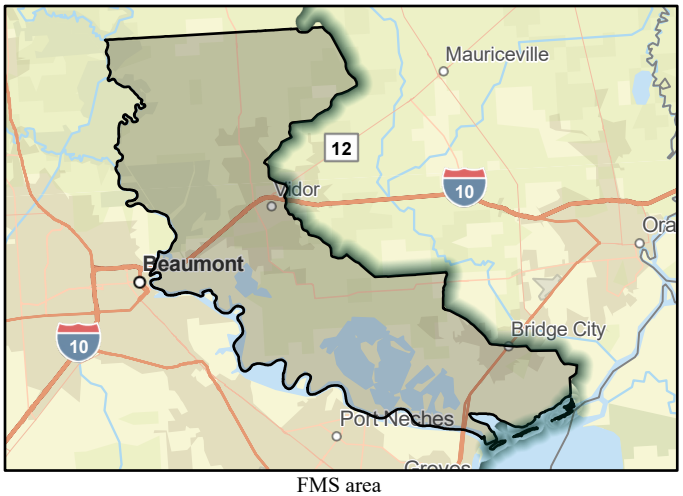
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$13,310	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: OCDD Installing Additional Stream Gages

FMS ID: 05-53-0000000037 | Sponsor Entity ID: 00-01-0000000512

Sponsor Name: Orange County Drainage District (Flood District)

RFPG Recommend?: No | Reason for Recommendation: Defer to Sabine Region

FMS Details

FMS Type: Flood Measurement and Warning

FMS Description: Add stream gauges to the major watersheds to increase flood predictive capability for streams and creeks that affect OCDD (stream gages)

County: Orange | Associated FME's: - | Associated FMP's: -

Emergency Need?: Yes | If yes, describe Emergency Need: Potential Flood Risk to Critical Facilities

Drainage area (Est. sq-mi): 155.73 | Assumptions/Relevant Context: N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	55	Residential at risk	7,032
Population at risk	14,367	Structures at risk	8,194	Critical facilities at risk	96
Farm/ranch at risk (acres)	240.89	Impacted roadway miles	207.02		
Low water crossings	26	Total historical road closures	26		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

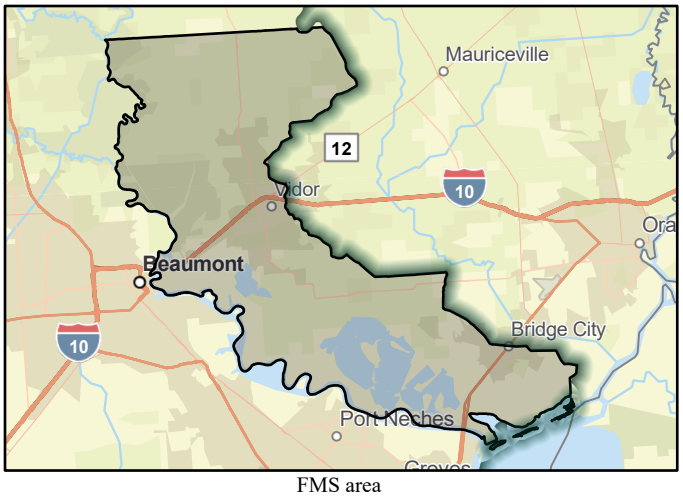
Impacts

Negative impact?: No | Negative impact description: N/A

Water supply contributions?: No | Water supply description: -

Estimated Cost(s)

Total FMS cost: $646,140 | Non-recurring, non-capital cost (NRNC): $0 | Percent Nature-Based: 0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	Polk County Improved Hazard Communication
FMS ID	05-53-0000000038
Sponsor Entity ID	00-01-0000000058
Sponsor Name	Polk County (County)
RFPG Recommend?	No
Reason for Recommendation	defer to Trinity Region

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Upgrade and expand implementation of natural hazard warning systems and methods.
County	Polk
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	535.17
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	177
Population at risk	1,455	Structures at risk	330	Critical facilities at risk	0
Farm/ranch at risk (acres)	7.29	Impacted roadway miles	55.24		
Low water crossings	39	Total historical road closures	39		

100-Year Flood Risk Reduction

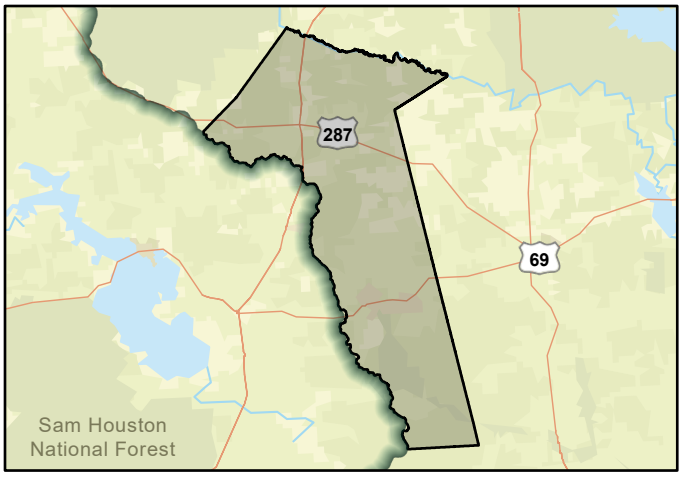
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$3,763,100	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Shelby County Electronic Hazard Warning Message Board Acquisition
FMS ID	05-53-0000000039
Sponsor Entity ID	00-01-0000000153
Sponsor Name	Shelby County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Acquire electronic message board for use during disaster response and recovery operations
County	Shelby
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	159.87
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	0
Population at risk	22	Structures at risk	41	Critical facilities at risk	0
Farm/ranch at risk (acres)	7.07	Impacted roadway miles	15.62		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

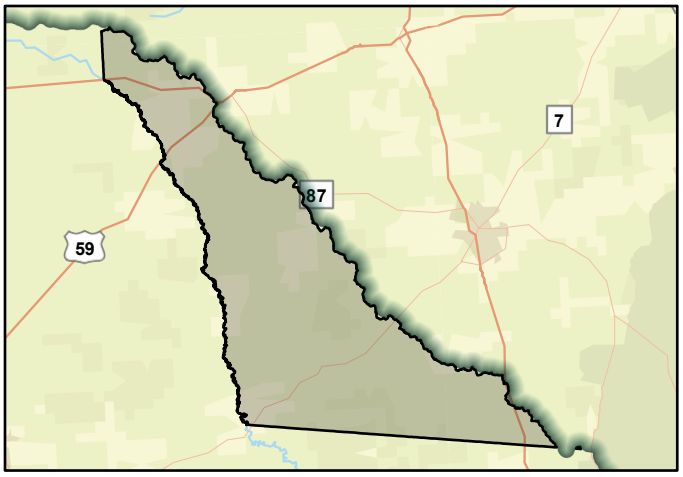
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$134,310	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Shelby County Warning Siren Installation
FMS ID	05-53-0000000040
Sponsor Entity ID	00-01-0000000153
Sponsor Name	Shelby County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Install warning sirens at strategic locations for use during disaster events
County	Shelby
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	159.87
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	0
Population at risk	22	Structures at risk	41	Critical facilities at risk	0
Farm/ranch at risk (acres)	7.07	Impacted roadway miles	15.62		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

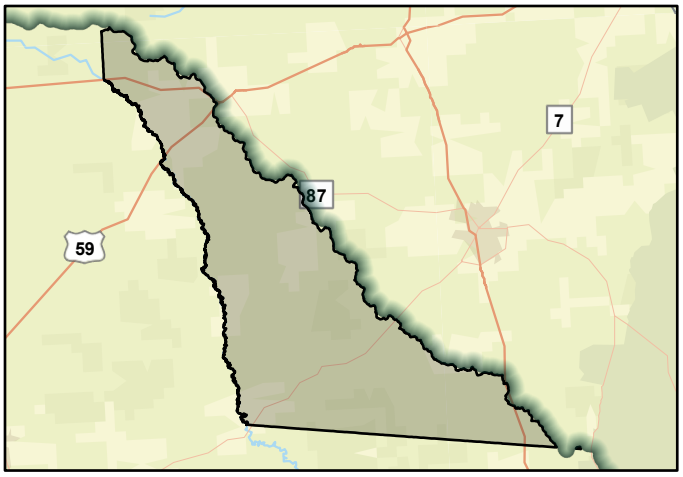
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$4,015,990	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Groveton Warning System Upgrades
FMS ID	05-53-0000000041
Sponsor Entity ID	00-01-0000003580
Sponsor Name	Groveton (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Implement, upgrade, expand, and integrate digital methods for storm notification to include all methods of communication including: cell phones, text messages, land-lines, internet networking sites, television, and radio.
County	Trinity
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	0.63
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	2
Population at risk	1	Structures at risk	2	Critical facilities at risk	0
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.01		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

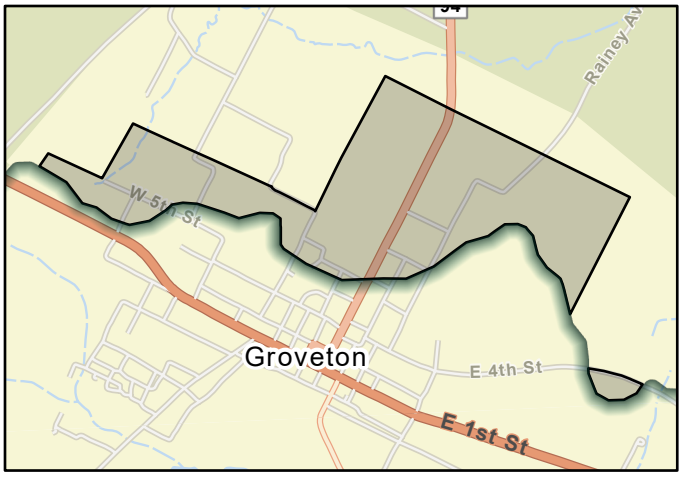
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$13,310	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Van Zandt County Warning System Acquisition
FMS ID	05-53-0000000042
Sponsor Entity ID	00-01-0000000110
Sponsor Name	Van Zandt County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Acquire and Install Warning Systems throughout the County, including Incorporated Jurisdictions. Reduce risk to citizens through improved communications and early warning.
County	Van Zandt
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	244.01
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	338
Population at risk	476	Structures at risk	569	Critical facilities at risk	1
Farm/ranch at risk (acres)	123.15	Impacted roadway miles	40.22		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

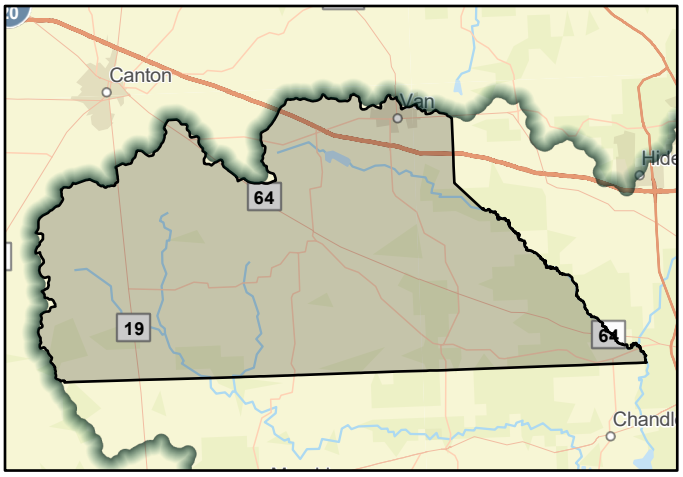
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

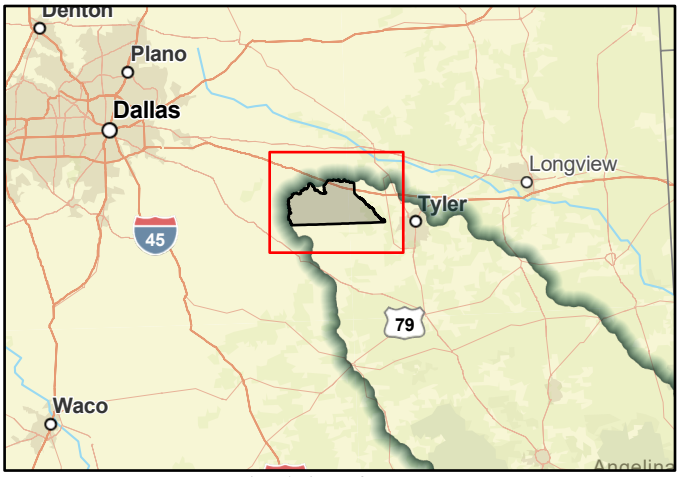
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$99,220	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Angelina County Property Acquisition
FMS ID	05-53-0000000043
Sponsor Entity ID	05-01-0000000125
Sponsor Name	Angelina County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Acquire repetitive loss properties.
County	Angelina
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	860.98
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	25	Residential at risk	1,861
Population at risk	14,218	Structures at risk	2,796	Critical facilities at risk	37
Farm/ranch at risk (acres)	40.87	Impacted roadway miles	193.43		
Low water crossings	48	Total historical road closures	48		

100-Year Flood Risk Reduction

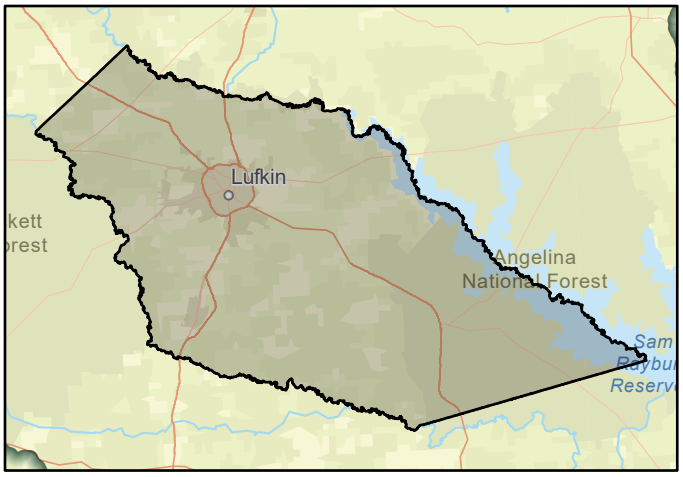
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

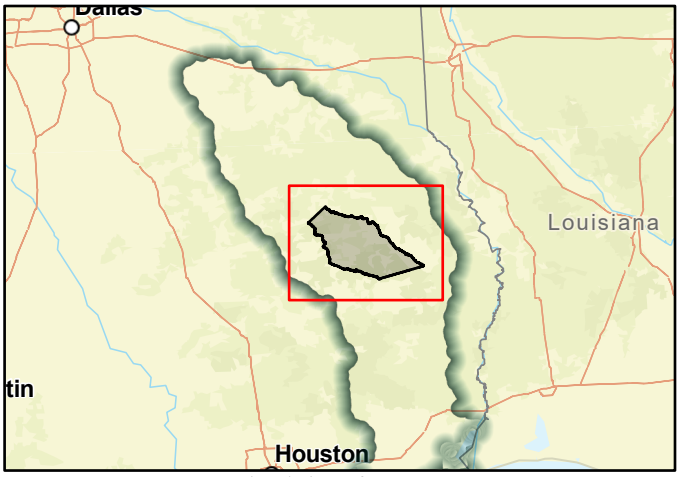
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,541,000	Non-recurring, non-capital cost (NRNC)	$500,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Angelina County Property Elevation
FMS ID	05-53-0000000044
Sponsor Entity ID	05-01-0000000125
Sponsor Name	Angelina County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Elevate properties in the floodplain.
County	Angelina
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	860.98
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	25	Residential at risk	1,861
Population at risk	14,218	Structures at risk	2,796	Critical facilities at risk	37
Farm/ranch at risk (acres)	40.87	Impacted roadway miles	193.43		
Low water crossings	48	Total historical road closures	48		

100-Year Flood Risk Reduction

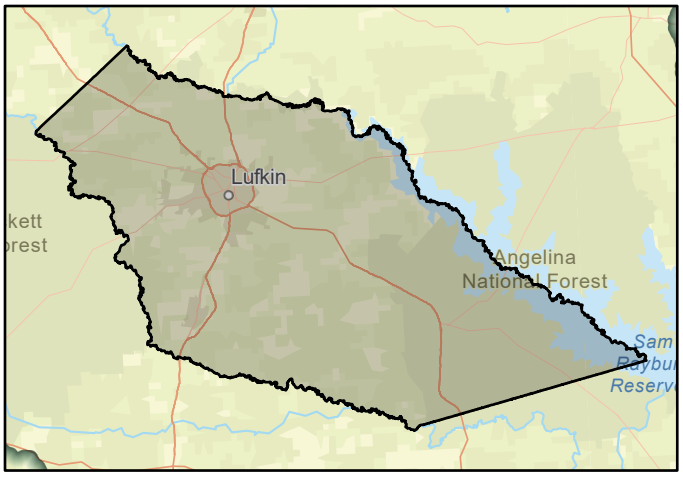
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

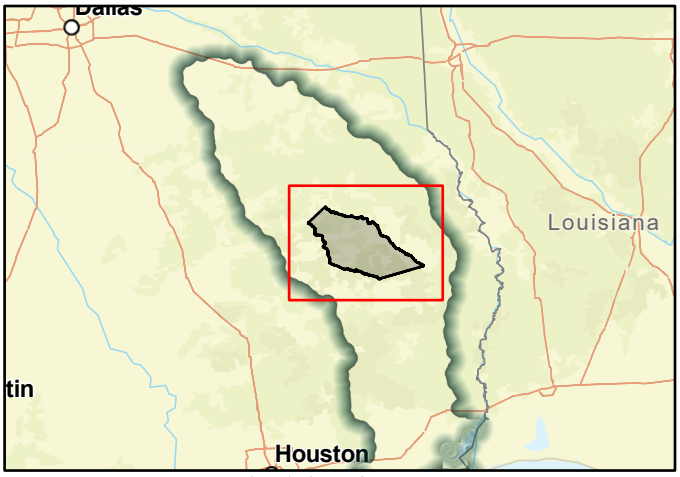
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$762,300	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Hardin County Voluntary Flood Buyout
FMS ID	05-53-0000000045
Sponsor Entity ID	00-01-0000000035
Sponsor Name	Hardin County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Voluntary flood buyouts.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	893.96
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	53	Residential at risk	4,134
Population at risk	11,422	Structures at risk	6,136	Critical facilities at risk	59
Farm/ranch at risk (acres)	1,020.86	Impacted roadway miles	285.63		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

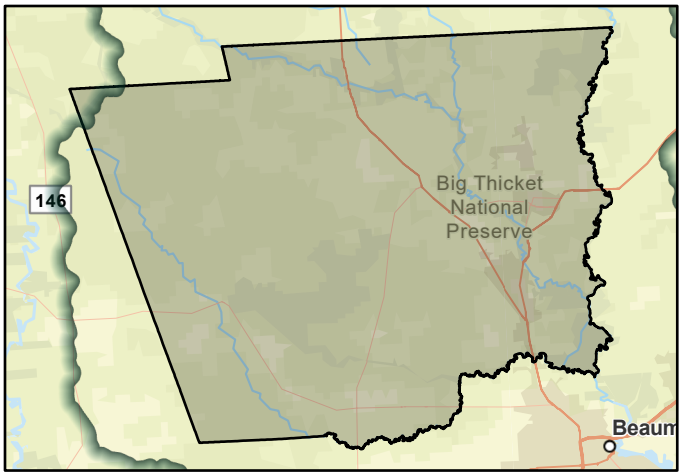
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$4,840,000	Non-recurring, non-capital cost (NRNC)	$90,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Hardin County Voluntary Residential Structure Elevation
FMS ID	05-53-0000000046
Sponsor Entity ID	00-01-0000000035
Sponsor Name	Hardin County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Voluntary elevations of flood prone properties in Hardin County.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	893.96
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	53	Residential at risk	4,134
Population at risk	11,422	Structures at risk	6,136	Critical facilities at risk	59
Farm/ranch at risk (acres)	1,020.86	Impacted roadway miles	285.63		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

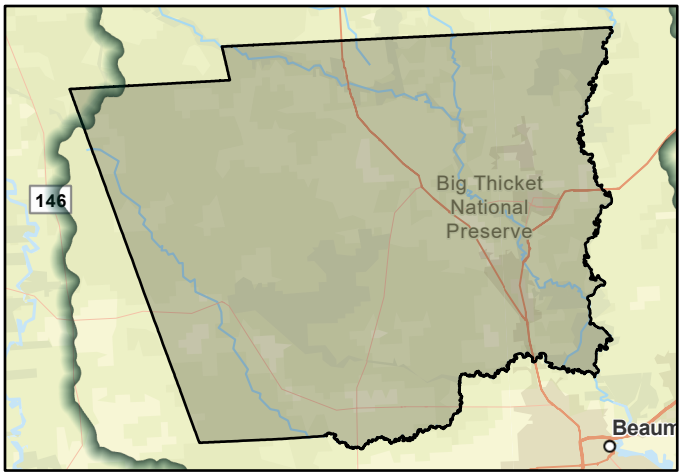
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$9,075,000	Non-recurring, non-capital cost (NRNC)	$140,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Kountze Flood Buyout
FMS ID	05-53-0000000047
Sponsor Entity ID	05-01-0000003028
Sponsor Name	Kountze (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Voluntary flood buyouts.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	3.97
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	55
Population at risk	127	Structures at risk	94	Critical facilities at risk	1
Farm/ranch at risk (acres)	0	Impacted roadway miles	3.94		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$7,260,000	Non-recurring, non-capital cost (NRNC)	$60,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Lumberton Voluntary Flood Buyout
FMS ID	05-53-0000000048
Sponsor Entity ID	05-01-0000002488
Sponsor Name	Lumberton (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Voluntary flood buyouts.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	13.46
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	17	Residential at risk	1,046
Population at risk	3,419	Structures at risk	1,537	Critical facilities at risk	18
Farm/ranch at risk (acres)	19.07	Impacted roadway miles	35.28		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

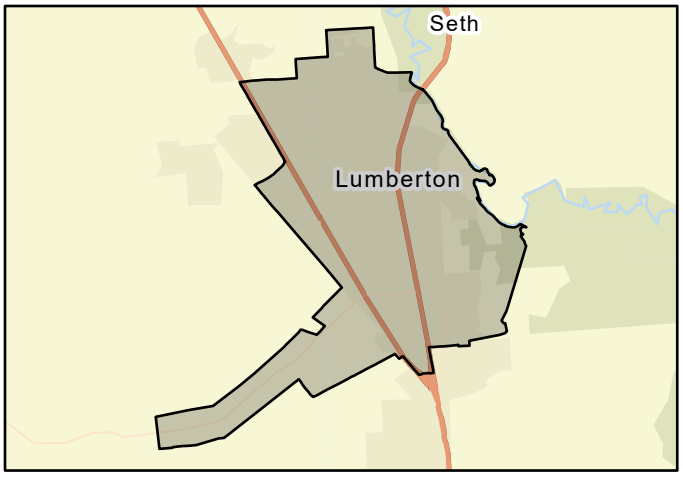
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$7,260,000	Non-recurring, non-capital cost (NRNC)	$90,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Rose Hill Acres Voluntary Flood Buyout
FMS ID	05-53-0000000049
Sponsor Entity ID	05-01-0000003029
Sponsor Name	Rose Hill Acres (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Voluntary flood buyouts.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	0.42
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	65
Population at risk	137	Structures at risk	75	Critical facilities at risk	0
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.9		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

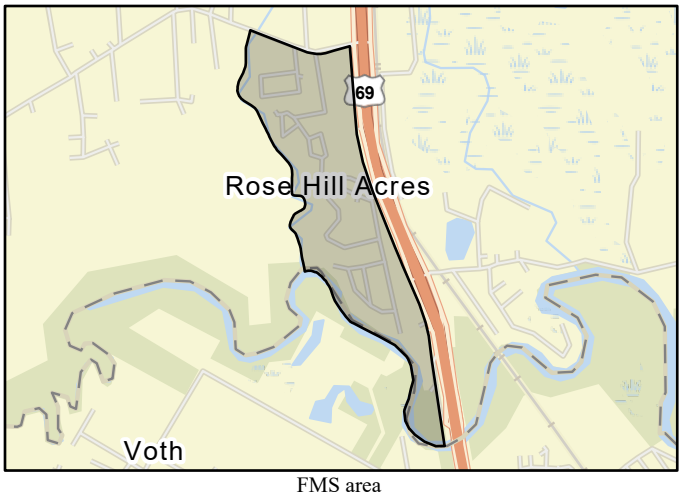
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$6,050,000	Non-recurring, non-capital cost (NRNC)	$90,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Rose Hill Acres Voluntary Residential Structure Elevation
FMS ID	05-53-0000000050
Sponsor Entity ID	05-01-0000003029
Sponsor Name	Rose Hill Acres (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Voluntary elevations of flood prone properties in Rose Hill Acres.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	0.42
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	65
Population at risk	137	Structures at risk	75	Critical facilities at risk	0
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.9		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

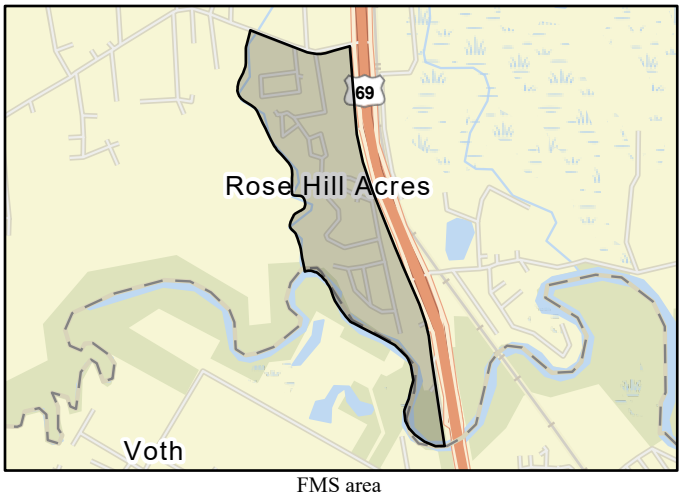
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$7,260,000	Non-recurring, non-capital cost (NRNC)	$90,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	City of Silsbee Voluntary Flood Buyout
FMS ID	05-53-0000000051
Sponsor Entity ID	05-01-0000002932
Sponsor Name	Silsbee (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Voluntary flood buyouts.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	7.7
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	6	Residential at risk	266
Population at risk	2,252	Structures at risk	387	Critical facilities at risk	7
Farm/ranch at risk (acres)	0	Impacted roadway miles	12.62		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

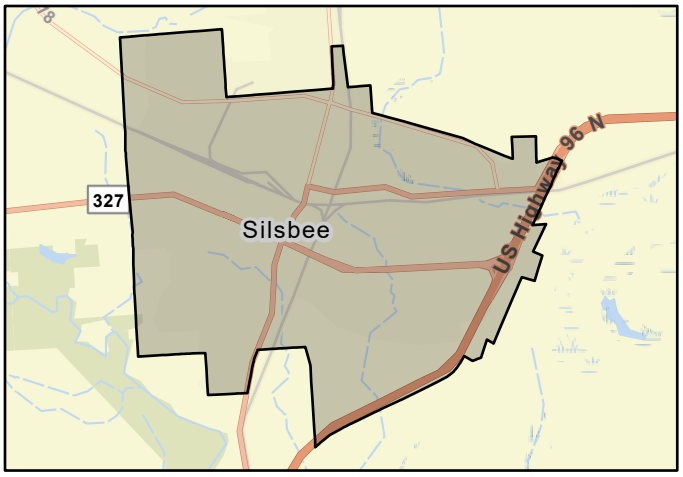
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$7,260,000	Non-recurring, non-capital cost (NRNC)	$40,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Sour Lake Voluntary Flood Buyout
FMS ID	05-53-0000000052
Sponsor Entity ID	05-01-0000002933
Sponsor Name	Sour Lake (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Voluntary flood buyouts.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	2.34
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	4	Residential at risk	216
Population at risk	814	Structures at risk	301	Critical facilities at risk	7
Farm/ranch at risk (acres)	1.51	Impacted roadway miles	5.69		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

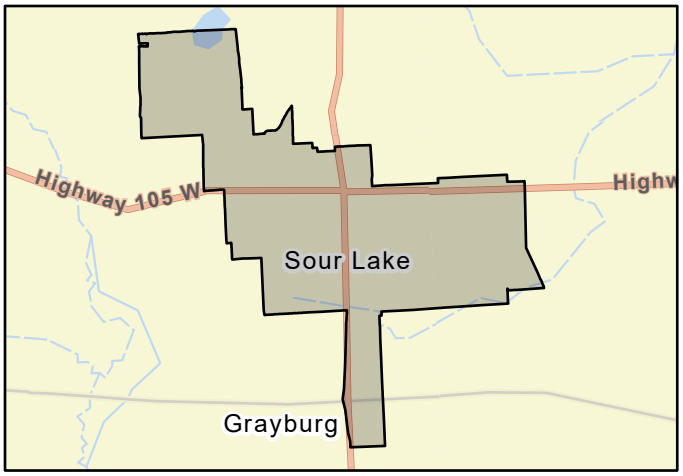
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$7,260,000	Non-recurring, non-capital cost (NRNC)	$40,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Jefferson County Property Elevation
FMS ID	05-53-0000000053
Sponsor Entity ID	05-01-0000000025
Sponsor Name	Jefferson County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	FIF Application; aimed to elevate houses within county subject to inundation from flooding.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	954.14
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	256	Residential at risk	54,325
Population at risk	164,079	Structures at risk	65,759	Critical facilities at risk	2,012
Farm/ranch at risk (acres)	54,537.93	Impacted roadway miles	1,295.17		
Low water crossings	126	Total historical road closures	126		

100-Year Flood Risk Reduction

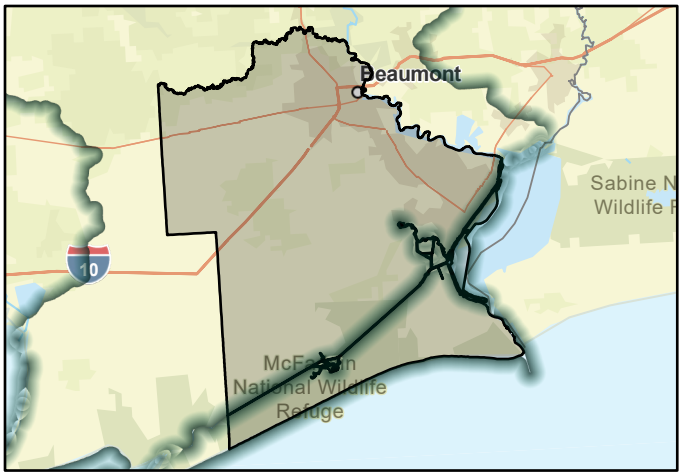
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,343,100	Non-recurring, non-capital cost (NRNC)	$500,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Liberty County Property Acquisition
FMS ID	05-53-0000000054
Sponsor Entity ID	00-01-0000000033
Sponsor Name	Liberty County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Acquire property located in the floodplain including properties located in subdivisions along the Trinity River.
County	Liberty
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	235.49
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	3	Residential at risk	515
Population at risk	999	Structures at risk	757	Critical facilities at risk	9
Farm/ranch at risk (acres)	3,795.89	Impacted roadway miles	36.89		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

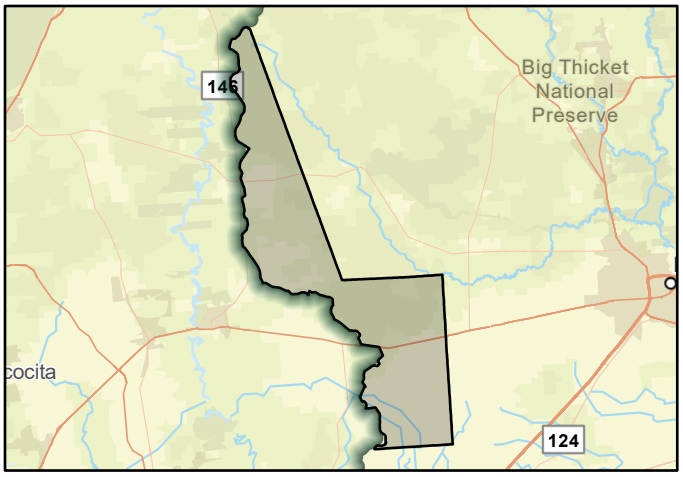
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,589,400	Non-recurring, non-capital cost (NRNC)	$500,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	City of Nacogdoches Study and Ranking of Repetitive Loss Structures
FMS ID	05-53-0000000055
Sponsor Entity ID	05-01-0000002929
Sponsor Name	Nacogdoches (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Analyze flood-prone properties in the City of Nacogdoches and identify appropriate mitigation options for each repetitive loss structure.
County	Nacogdoches
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	27.54
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	4	Residential at risk	433
Population at risk	11,022	Structures at risk	866	Critical facilities at risk	13
Farm/ranch at risk (acres)	1.97	Impacted roadway miles	30.05		
Low water crossings	2	Total historical road closures	2		

100-Year Flood Risk Reduction

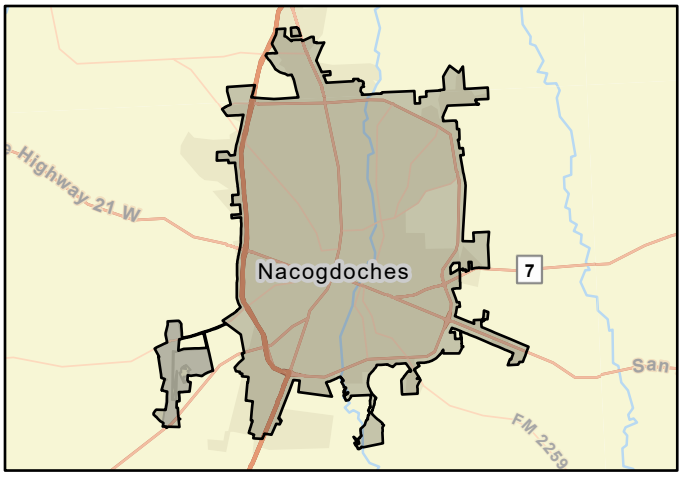
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$395,670	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	San Augustine County Acquisition and Conversion of Flood Prone Properties
FMS ID	05-53-0000000056
Sponsor Entity ID	00-01-0000000136
Sponsor Name	San Augustine County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Acquire flood prone/repetitive loss properties and convert to open space, parks, boating access, trails, agricultural projects, and/or as a general community asset.
County	San Augustine
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	533.5
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	90
Population at risk	347	Structures at risk	208	Critical facilities at risk	2
Farm/ranch at risk (acres)	7.31	Impacted roadway miles	46.45		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

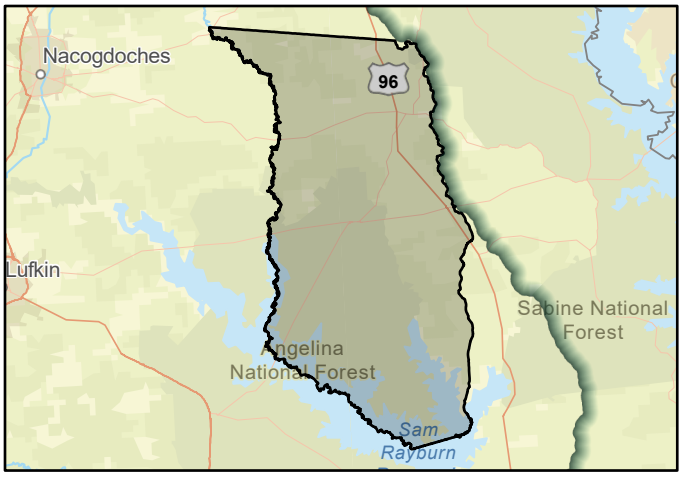
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

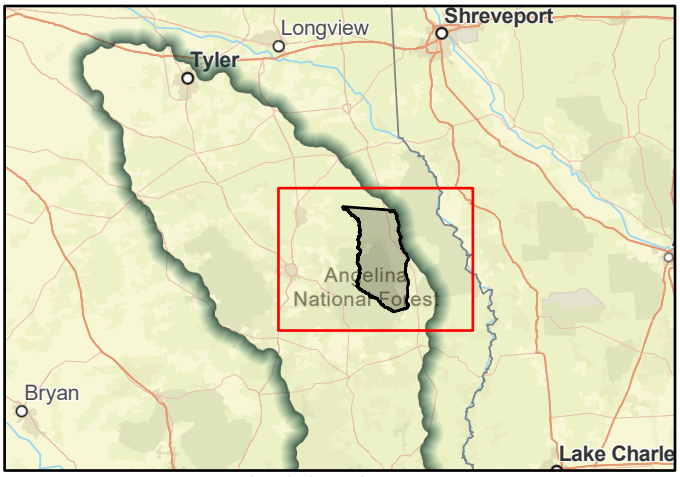
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$641,300	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	San Augustine County Structure Elevation
FMS ID	05-53-0000000057
Sponsor Entity ID	00-01-0000000136
Sponsor Name	San Augustine County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Elevate existing flood prone structures above the base flood elevation to reduce flood losses. Flood proof historical structures at risk from flooding.
County	San Augustine
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	533.5
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	90
Population at risk	347	Structures at risk	208	Critical facilities at risk	2
Farm/ranch at risk (acres)	7.31	Impacted roadway miles	46.45		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

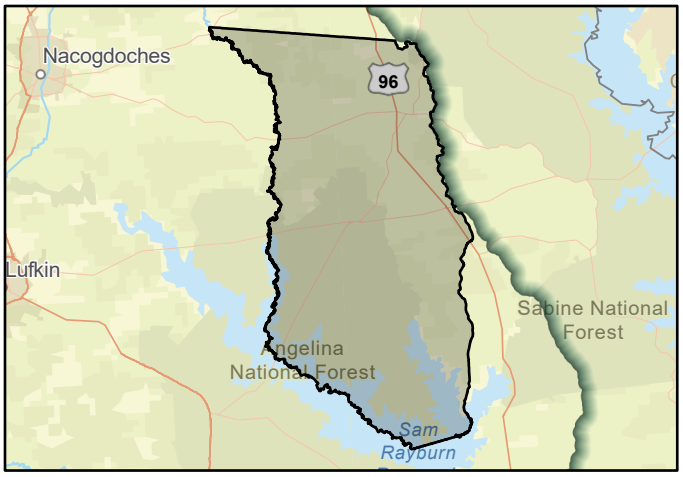
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

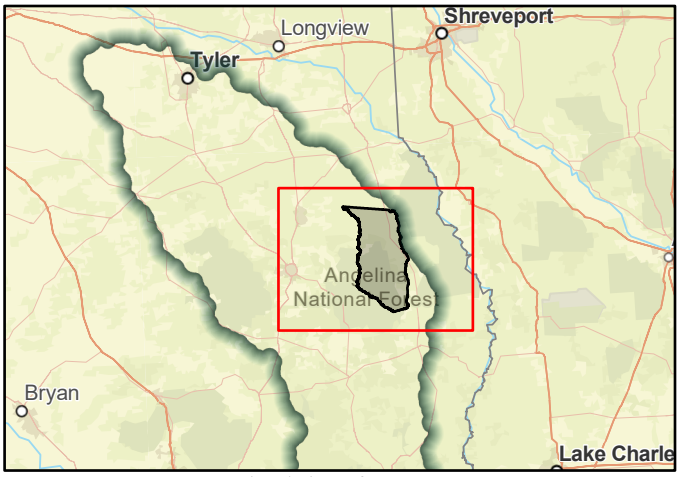
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$384,780	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Shelby County Property Acquisition
FMS ID	05-53-0000000058
Sponsor Entity ID	00-01-0000000153
Sponsor Name	Shelby County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Acquire flood prone/repetitive loss properties and convert to open space, parks, boating access, trails, agricultural projects, and/or as a general community asset
County	Shelby
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	159.87
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	0
Population at risk	22	Structures at risk	41	Critical facilities at risk	0
Farm/ranch at risk (acres)	7.07	Impacted roadway miles	15.62		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

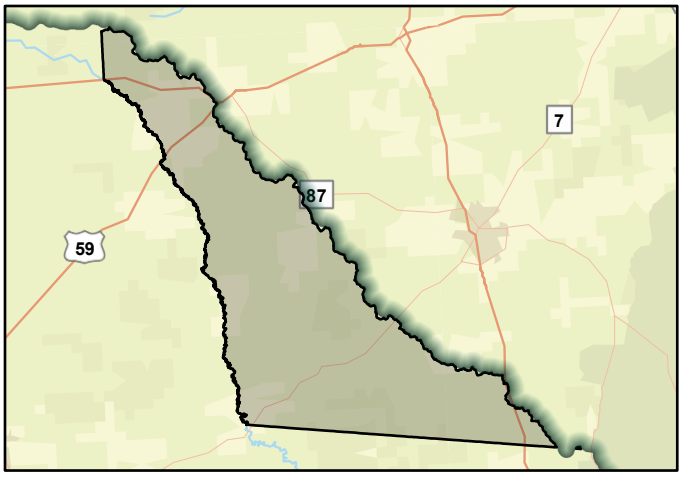
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$121,000	Non-recurring, non-capital cost (NRNC)	$25,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Trinity County Buyout Program Implementation
FMS ID	05-53-0000000059
Sponsor Entity ID	00-01-0000000065
Sponsor Name	Trinity County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Develop and implement a program to buyout repetitive loss properties and convert to open space, parks, boating access, trails, and/or as a general community asset.
County	Trinity
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	341.74
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	35
Population at risk	73	Structures at risk	70	Critical facilities at risk	0
Farm/ranch at risk (acres)	31.78	Impacted roadway miles	60.69		
Low water crossings	9	Total historical road closures	9		

100-Year Flood Risk Reduction

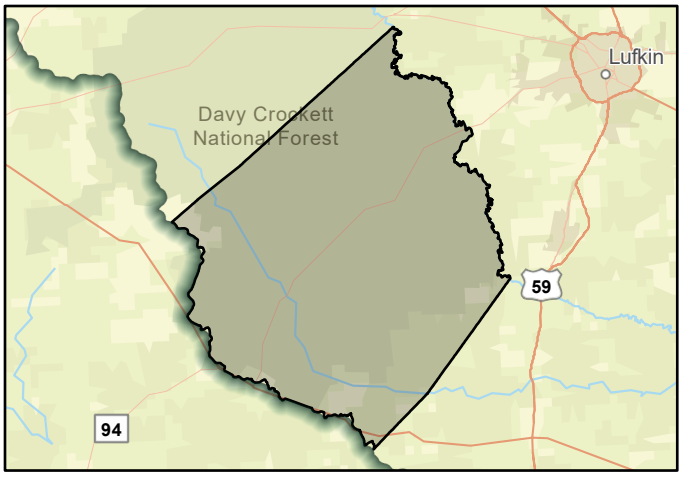
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$121,000	Non-recurring, non-capital cost (NRNC)	$25,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Groveton Buyout Program Implementation
FMS ID	05-53-0000000060
Sponsor Entity ID	00-01-0000003580
Sponsor Name	Groveton (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Develop and implement a program to buyout repetitive loss properties and convert to open space, parks, boating access, trails, and/or as a general community asset.
County	Trinity
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	0.63
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	2
Population at risk	1	Structures at risk	2	Critical facilities at risk	0
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.01		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

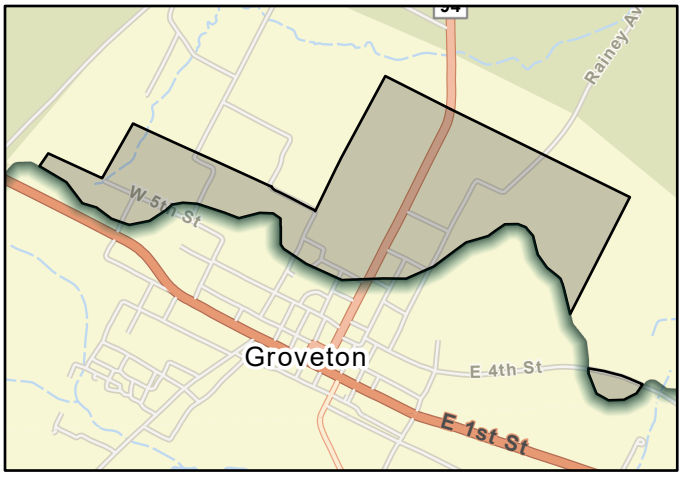
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$121,000	Non-recurring, non-capital cost (NRNC)	$25,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Diboll Ordinance and Regulation Update
FMS ID	05-53-0000000061
Sponsor Entity ID	05-01-0000003196
Sponsor Name	Diboll (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Update building code and subdivision ordinance to include restrictions on the distance a structure can be built from active streams and creeks.
County	Angelina
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	5.01
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	6	Residential at risk	87
Population at risk	731	Structures at risk	171	Critical facilities at risk	7
Farm/ranch at risk (acres)	0	Impacted roadway miles	5.6		
Low water crossings	1	Total historical road closures	1		

100-Year Flood Risk Reduction

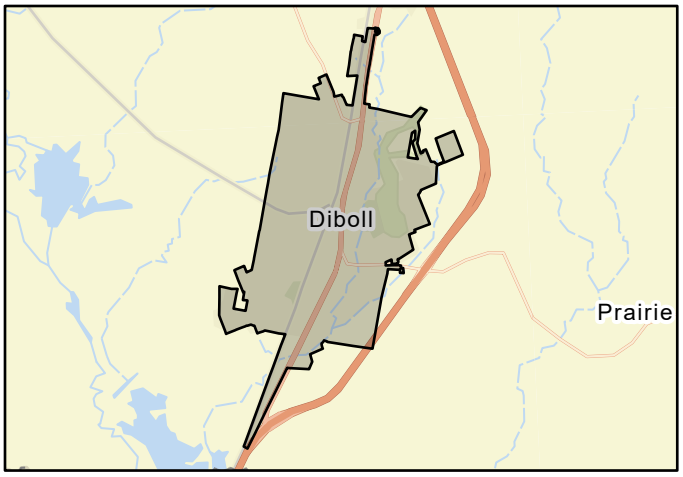
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

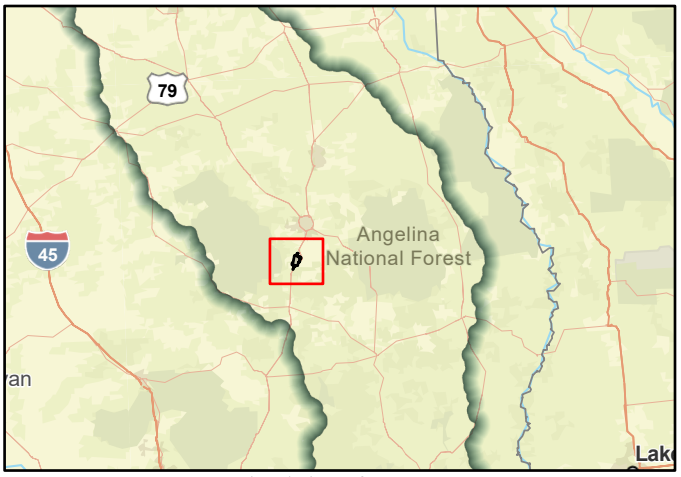
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,100	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Cuney Bridge and Culvert Inspection Program
FMS ID	05-53-0000000062
Sponsor Entity ID	05-01-0000002863
Sponsor Name	Cuney (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Plan and implement a program to regularly inspect low-lying bridges and highway culverts, clear debris, and create safe pathways for excess water runoff, to avoid flooding.
County	Cherokee
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	1.64
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	0
Population at risk	8	Structures at risk	1	Critical facilities at risk	0
Farm/ranch at risk (acres)	0.01	Impacted roadway miles	1.06		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

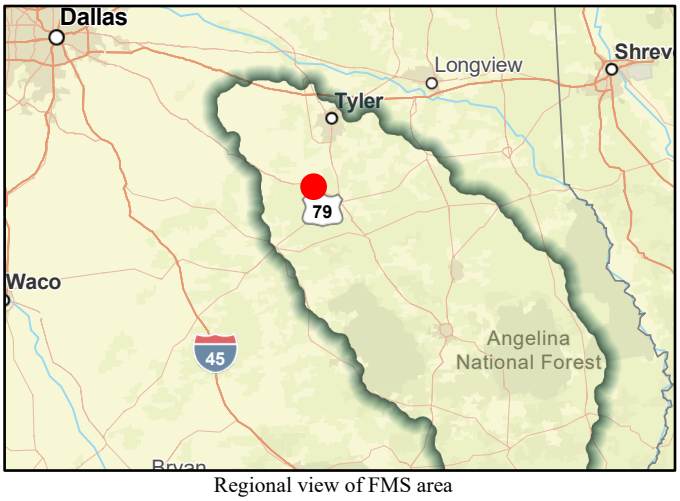
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$30,250	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Cuney Seek NFIP Participation

FMS ID: 05-53-0000000063 Sponsor Entity ID: 05-01-0000002863

Sponsor Name: Cuney (Municipality)

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

FMS Details

FMS Type: Regulatory and Guidance

FMS Description: Pass appropriate Resolutions and Ordinances for participation in the National Flood Insurance Program.

County: Cherokee Associated FME's: - Associated FMP's: -

Emergency Need? Yes If yes, describe Emergency Need: Potential Flood Risk to Life/Property

Drainage area (Est. sq-mi): 1.64 Assumptions/Relevant Context: N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	0
Population at risk	8	Structures at risk	1	Critical facilities at risk	0
Farm/ranch at risk (acres)	0.01	Impacted roadway miles	1.06		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact? No Negative impact description: N/A

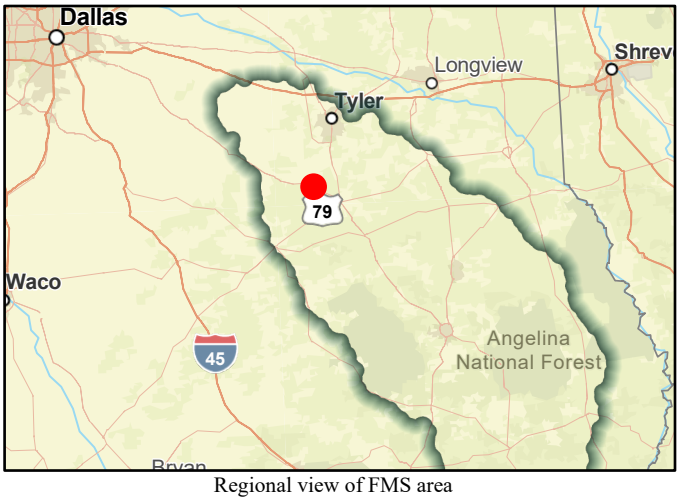
Water supply contributions? No Water supply description: -

Estimated Cost(s)

Total FMS cost: $6,050 Non-recurring, non-capital cost (NRNC): $0 Percent Nature-Based: 0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Gallatin Multi-Jurisdiction Coordination
FMS ID	05-53-0000000064
Sponsor Entity ID	05-01-0000003310
Sponsor Name	Gallatin (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Work with County or TXDOT to increase drainage capacity in sites that are prone to flooding.
County	Cherokee
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	4.58
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	4
Population at risk	5	Structures at risk	5	Critical facilities at risk	0
Farm/ranch at risk (acres)	66.87	Impacted roadway miles	1.5		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

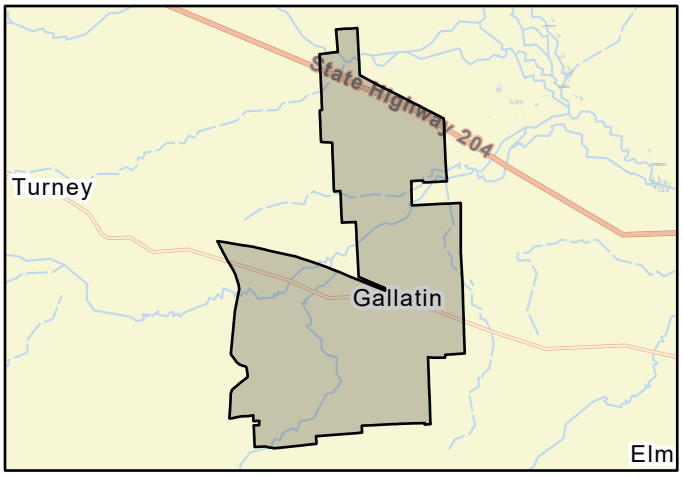
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$6,050	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Jacksonville Multi-Jurisdiction Coordination
FMS ID	05-53-0000000065
Sponsor Entity ID	05-01-0000003472
Sponsor Name	Jacksonville (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Work with County or TXDOT to increase drainage capacity in sites that are prone to flooding.
County	Cherokee
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	14.14
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	2	Residential at risk	313
Population at risk	3,083	Structures at risk	503	Critical facilities at risk	5
Farm/ranch at risk (acres)	1.6	Impacted roadway miles	13.99		
Low water crossings	7	Total historical road closures	7		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

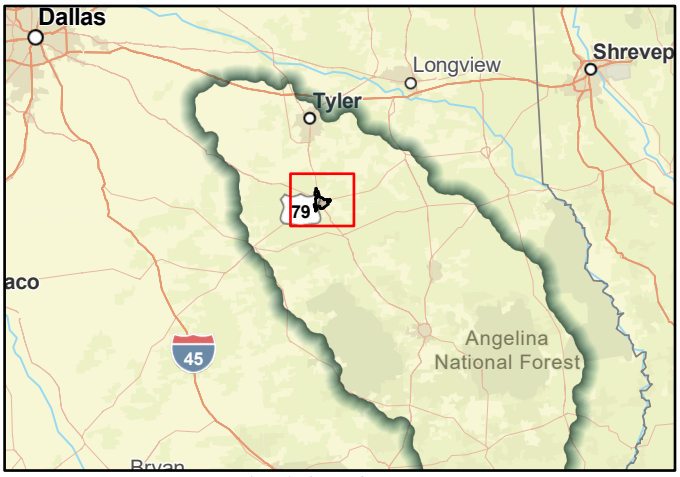
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,100	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Reklaw Improved Enforcement of Ordinances
FMS ID	05-53-0000000066
Sponsor Entity ID	05-01-0000002866
Sponsor Name	Reklaw (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Improve the long-range management and use of flood-prone areas by the adoption and enforcement of local ordinances to regulate new development within the floodplain. Review and revise ordinances, when needed.
County	Cherokee
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	2.93
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	1
Population at risk	1	Structures at risk	4	Critical facilities at risk	0
Farm/ranch at risk (acres)	0.12	Impacted roadway miles	1.18		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

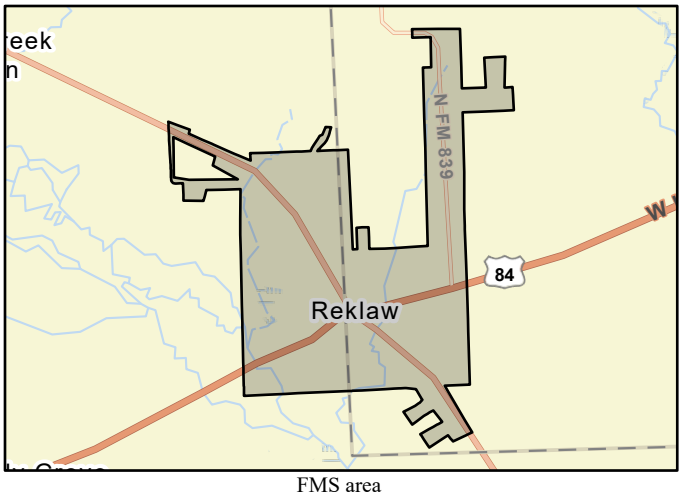
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,100	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Rusk Flood Maps Maintenance and Update
FMS ID	05-53-0000000067
Sponsor Entity ID	05-01-0000002867
Sponsor Name	Rusk (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Work with state and federal agencies to maintain current flood maps.
County	Cherokee
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	7.23
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	2	Residential at risk	23
Population at risk	779	Structures at risk	72	Critical facilities at risk	2
Farm/ranch at risk (acres)	0.08	Impacted roadway miles	4.32		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,100	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Hardin County Continued NFIP Participation
FMS ID	05-53-0000000068
Sponsor Entity ID	00-01-0000000035
Sponsor Name	Hardin County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	893.96
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	53	Residential at risk	4,134
Population at risk	11,422	Structures at risk	6,136	Critical facilities at risk	59
Farm/ranch at risk (acres)	1,020.86	Impacted roadway miles	285.63		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

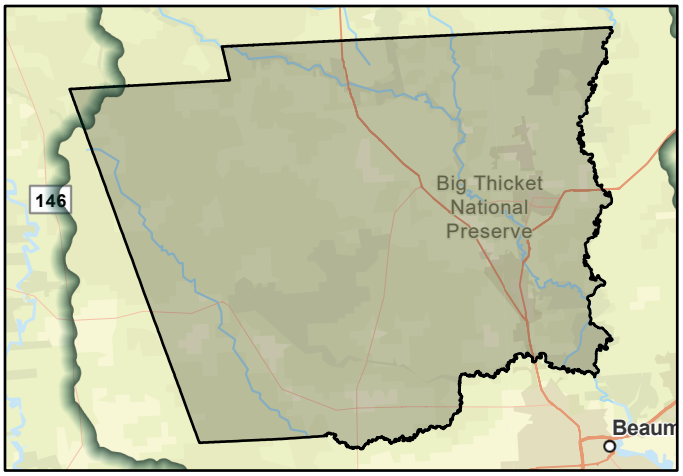
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$96,800	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	Hardin County Drainage District		
FMS ID	05-53-0000000069	Sponsor Entity ID	00-01-0000000035
Sponsor Name	Hardin County (County)		
RFPG Recommend?	Yes	Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Form Drainage District: Purpose would be to oversee/ maintain, and construct required drainage projects for the County. Regulate stormwater mitigation for new and future developments.

County	Hardin	Associated FME's	-	Associated FMP's	-
Emergency Need?	Yes	If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities		
Drainage area (Est. sq-mi)	893.97	Assumptions/Relevant Context	N/A		

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	53	Residential at risk	4,134
Population at risk	11,422	Structures at risk	6,136	Critical facilities at risk	59
Farm/ranch at risk (acres)	1,020.86	Impacted roadway miles	285.63		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

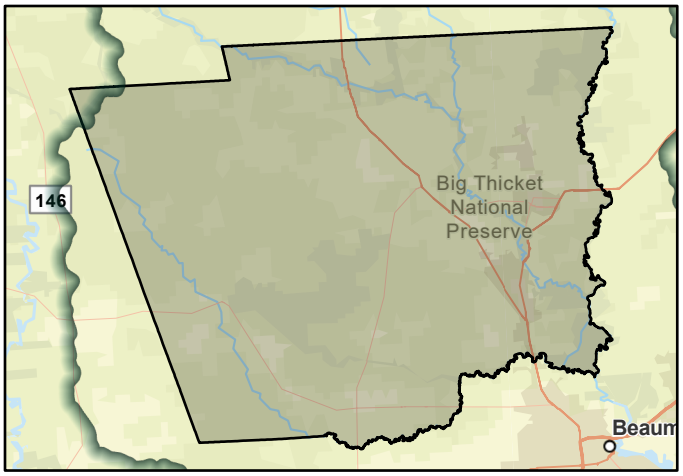
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,089,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Kountze Continued NFIP Participation
FMS ID	05-53-0000000070
Sponsor Entity ID	05-01-0000003028
Sponsor Name	Kountze (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	3.97
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	55
Population at risk	127	Structures at risk	94	Critical facilities at risk	1
Farm/ranch at risk (acres)	0	Impacted roadway miles	3.94		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$72,600	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Lumberton Continued NFIP Participation
FMS ID	05-53-0000000071
Sponsor Entity ID	05-01-0000002488
Sponsor Name	Lumberton (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	13.46
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	17	Residential at risk	1,046
Population at risk	3,419	Structures at risk	1,537	Critical facilities at risk	18
Farm/ranch at risk (acres)	19.06	Impacted roadway miles	35.28		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

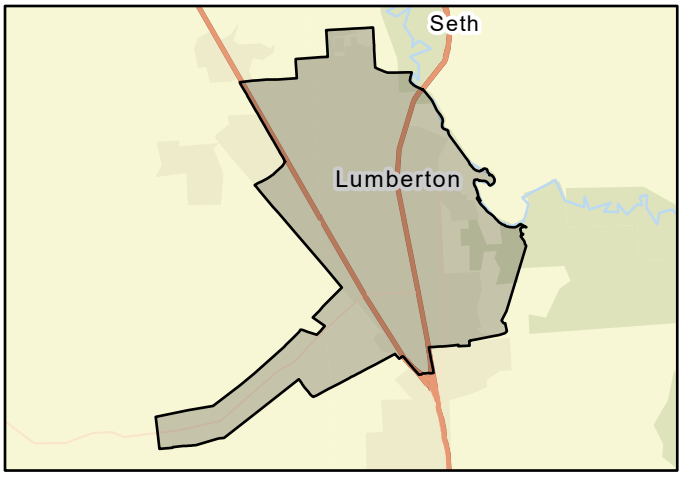
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$96,800	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Rose Hill Acres Continued NFIP Participation
FMS ID	05-53-0000000072
Sponsor Entity ID	05-01-0000003029
Sponsor Name	Rose Hill Acres (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	0.42
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	65
Population at risk	137	Structures at risk	75	Critical facilities at risk	0
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.9		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

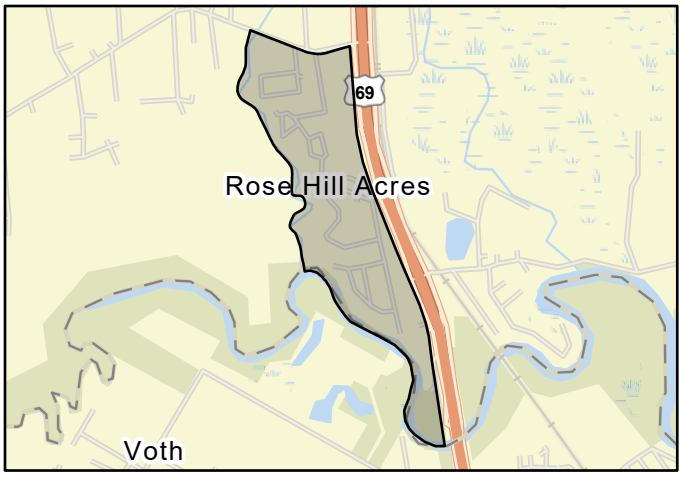
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$96,800	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Silsbee Continued NFIP Participation
FMS ID	05-53-0000000073
Sponsor Entity ID	05-01-0000002932
Sponsor Name	Silsbee (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	7.7
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	6	Residential at risk	266
Population at risk	2,252	Structures at risk	387	Critical facilities at risk	7
Farm/ranch at risk (acres)	0	Impacted roadway miles	12.62		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

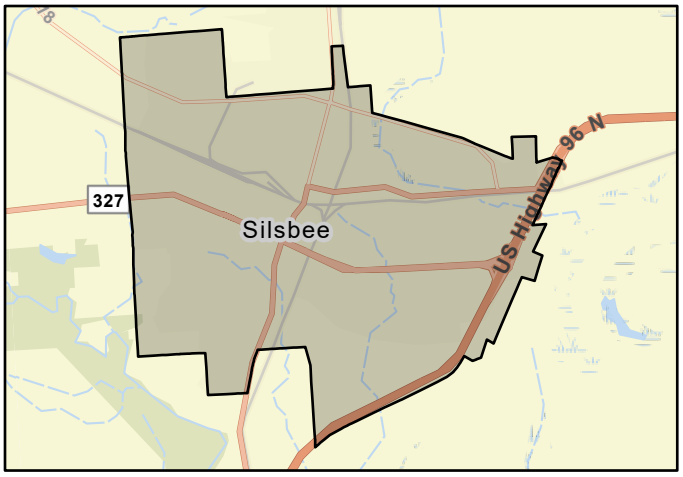
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$60,500	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Sour Lake Continued NFIP Participation
FMS ID	05-53-0000000074
Sponsor Entity ID	05-01-0000002933
Sponsor Name	Sour Lake (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	2.34
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	4	Residential at risk	216
Population at risk	814	Structures at risk	301	Critical facilities at risk	7
Farm/ranch at risk (acres)	1.51	Impacted roadway miles	5.69		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

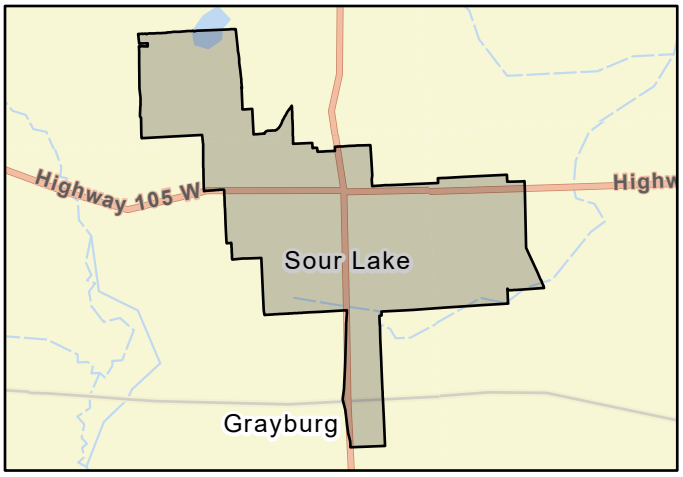
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$72,600	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	Houston County Mobile Home Inspection
FMS ID	05-53-0000000075
Sponsor Entity ID	00-01-0000000128
Sponsor Name	Houston County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Conduct routine inspection of manufactured home/mobile homes in flood-prone area to ensure proper tie-downs per Flood Damage Ordinance.
County	Houston
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	418.21
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	5	Residential at risk	51
Population at risk	274	Structures at risk	139	Critical facilities at risk	5
Farm/ranch at risk (acres)	79.73	Impacted roadway miles	67.11		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

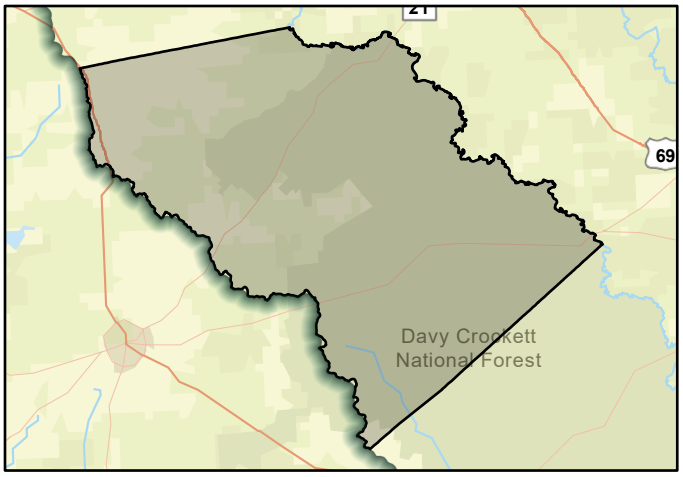
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

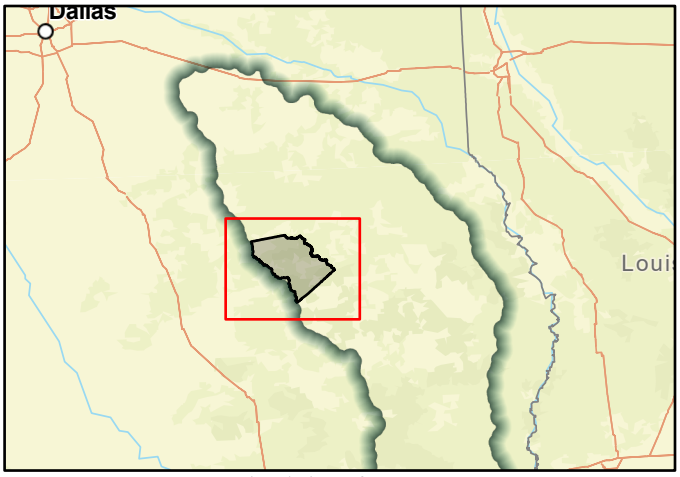
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$73,810	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	JCDD6 Multi-Jurisdiction Coordination
FMS ID	05-53-0000000076
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

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Increase coordination with the City and County regarding flood predictions and post event recovery.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	496.66
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	154	Residential at risk	24,558
Population at risk	100,168	Structures at risk	29,646	Critical facilities at risk	356
Farm/ranch at risk (acres)	43,638.93	Impacted roadway miles	679.81		
Low water crossings	80	Total historical road closures	80		

100-Year Flood Risk Reduction

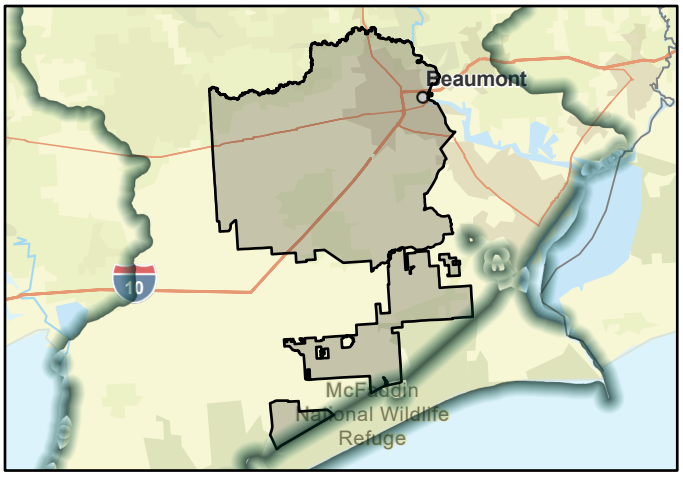
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$24,200	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	JCDD6 Severe Weather Action Plan
FMS ID	05-53-0000000077
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

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Create severe weather action plan, conduct drills, identify and promulgate evacuation and sheltering options.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	496.66
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	154	Residential at risk	24,558
Population at risk	100,168	Structures at risk	29,646	Critical facilities at risk	356
Farm/ranch at risk (acres)	43,638.93	Impacted roadway miles	679.81		
Low water crossings	80	Total historical road closures	80		

100-Year Flood Risk Reduction

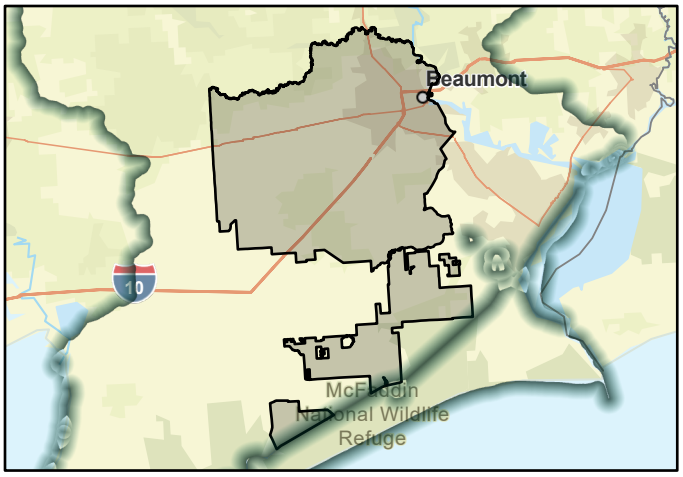
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$72,600	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	JCDD7 Storm Water Management Plan
FMS ID	05-53-0000000078
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

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Help to establish and allow District to enforce development regulations within existing flood zones.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	111.94
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	95	Residential at risk	28,780
Population at risk	73,220	Structures at risk	34,102	Critical facilities at risk	1,366
Farm/ranch at risk (acres)	887.86	Impacted roadway miles	509.33		
Low water crossings	34	Total historical road closures	34		

100-Year Flood Risk Reduction

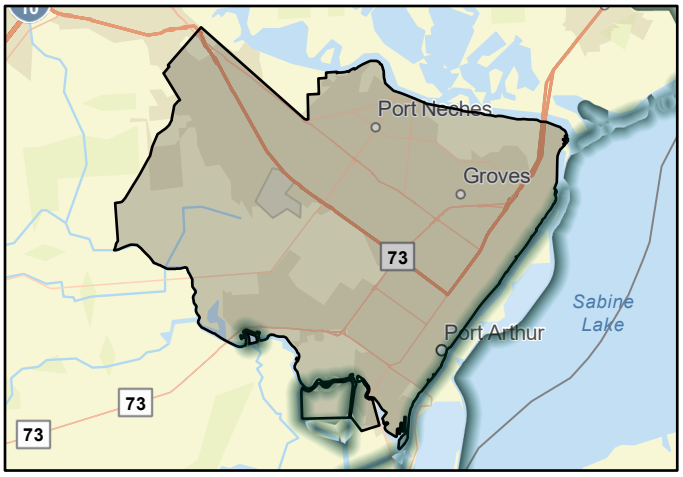
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$60,500	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Daisetta Property Construction Ordinance
FMS ID	05-53-0000000079
Sponsor Entity ID	05-01-0000002480
Sponsor Name	Daisetta (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain.
County	Liberty
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	1.48
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	3	Residential at risk	53
Population at risk	73	Structures at risk	73	Critical facilities at risk	3
Farm/ranch at risk (acres)	0	Impacted roadway miles	2.15		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

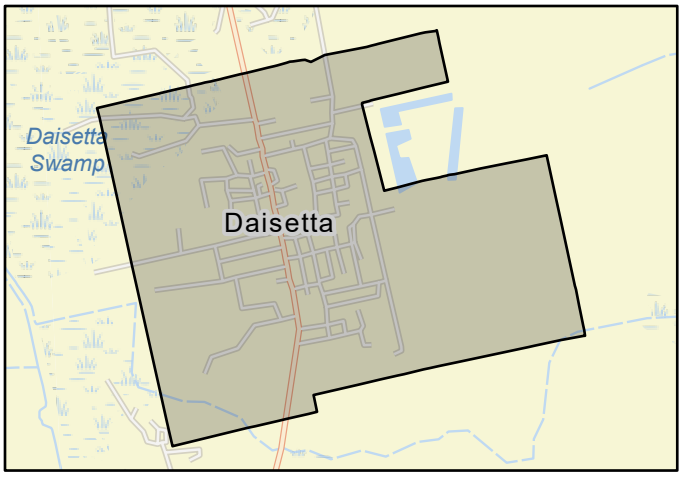
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,100	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Daisetta Property Elevation Ordinance
FMS ID	05-53-0000000080
Sponsor Entity ID	05-01-0000002480
Sponsor Name	Daisetta (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	The city shall adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet above base flood elevation.
County	Liberty
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	1.48
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	3	Residential at risk	53
Population at risk	73	Structures at risk	73	Critical facilities at risk	3
Farm/ranch at risk (acres)	0	Impacted roadway miles	2.15		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

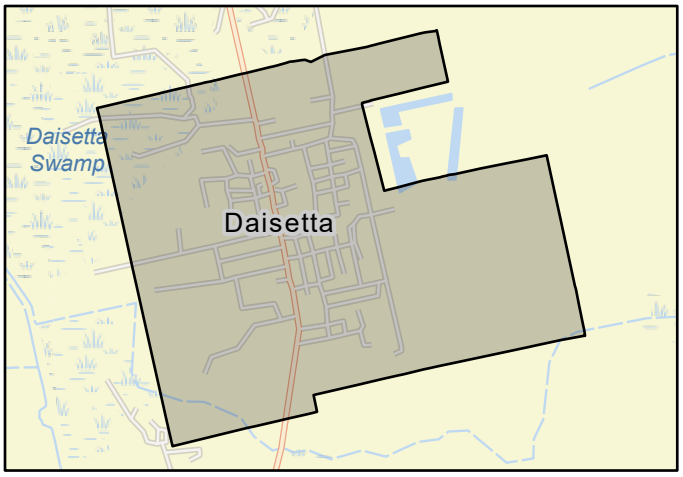
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$6,050	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Hardin Subdivision Ordinance Implementation
FMS ID	05-53-0000000081
Sponsor Entity ID	00-01-0000003330
Sponsor Name	Hardin (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Implement subdivision ordinance regulations concerning building in flood-prone areas.
County	Liberty
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	1.1
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	19
Population at risk	63	Structures at risk	34	Critical facilities at risk	0
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.65		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

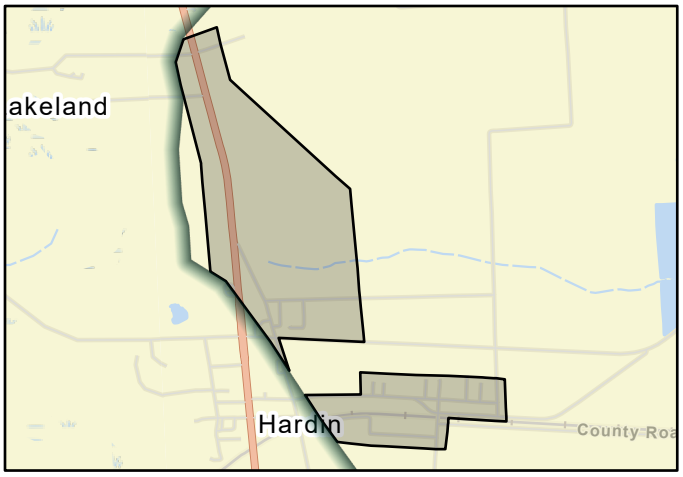
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,100	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Nacogdoches Stormwater Drainage Fee Implementation
FMS ID	05-53-0000000082
Sponsor Entity ID	05-01-0000002929
Sponsor Name	Nacogdoches (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Implement stormwater drainage fee to assist funding of flood mitigation infrastructure projects
County	Nacogdoches
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	27.54
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	4	Residential at risk	433
Population at risk	11,022	Structures at risk	866	Critical facilities at risk	13
Farm/ranch at risk (acres)	1.97	Impacted roadway miles	30.05		
Low water crossings	2	Total historical road closures	2		

100-Year Flood Risk Reduction

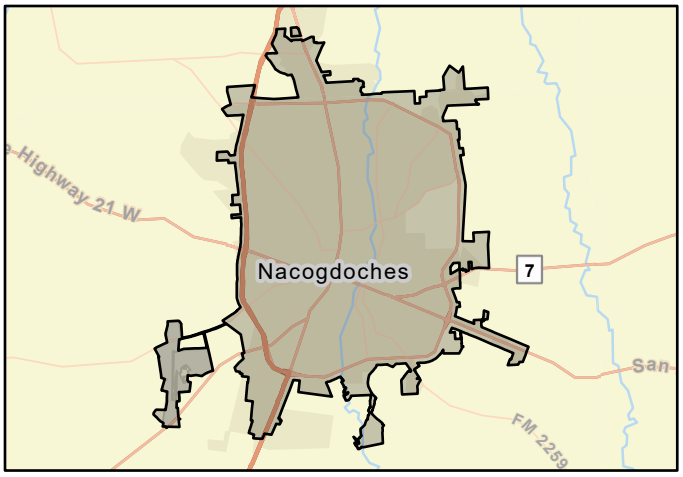
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$48,400	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Nacogdoches Codes and Ordinances Update
FMS ID	05-53-0000000083
Sponsor Entity ID	05-01-0000002929
Sponsor Name	Nacogdoches (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Review and update, if necessary, all City codes and ordinances pertaining to floodplain management to ensure their compliance with state and federal laws and to achieve cohesion with the mitigation strategies contained herein.
County	Nacogdoches
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	27.54
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	4	Residential at risk	433
Population at risk	11,022	Structures at risk	866	Critical facilities at risk	13
Farm/ranch at risk (acres)	1.97	Impacted roadway miles	30.05		
Low water crossings	2	Total historical road closures	2		

100-Year Flood Risk Reduction

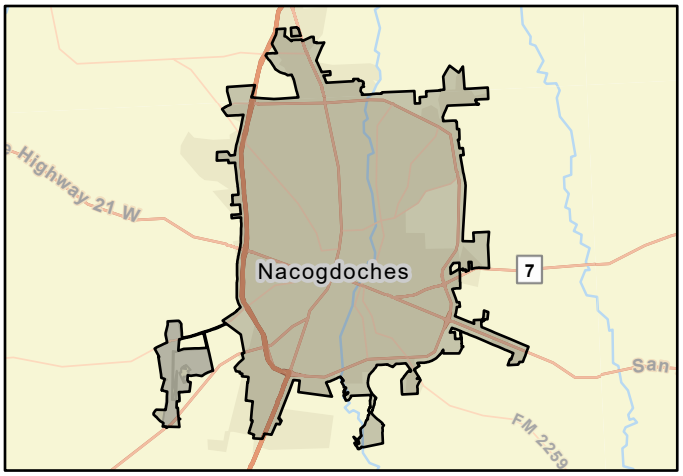
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$36,300	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: OCDD Drainage Criteria Manual and Regulations Enforcement

FMS ID: 05-53-0000000084 | Sponsor Entity ID: 00-01-0000000512

Sponsor Name: Orange County Drainage District (Flood District)

RFPG Recommend? No | Reason for Recommendation: Defer to Sabine Region

FMS Details

FMS Type: Regulatory and Guidance

FMS Description: Implement and enforce the Drainage Criteria Manual and Regulations for regulation of the effects of new developments and stormwater runoff.

County: Orange | Associated FME's: - | Associated FMP's: -

Emergency Need? Yes | If yes, describe Emergency Need: Potential Flood Risk to Critical Facilities

Drainage area (Est. sq-mi): 155.73 | Assumptions/Relevant Context: N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	55	Residential at risk	7,032
Population at risk	14,367	Structures at risk	8,194	Critical facilities at risk	96
Farm/ranch at risk (acres)	240.89	Impacted roadway miles	207.02		
Low water crossings	26	Total historical road closures	26		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

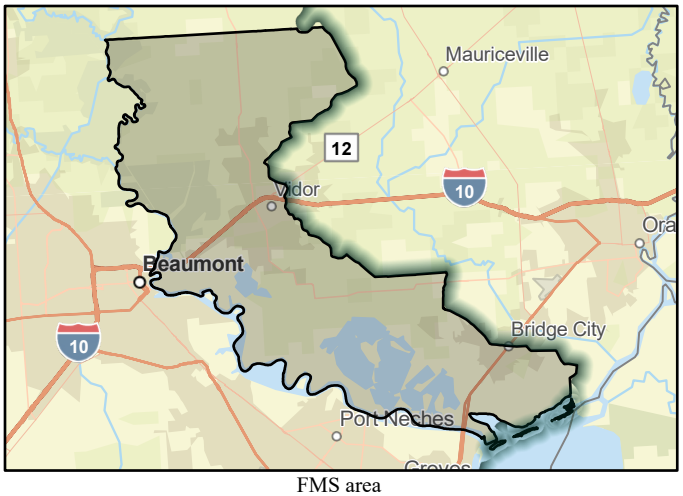
Impacts

Negative impact? No | Negative impact description: N/A

Water supply contributions? No | Water supply description: -

Estimated Cost(s)

Total FMS cost: $24,200 | Non-recurring, non-capital cost (NRNC): $0 | Percent Nature-Based: 0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: OCDD Support/Create Stricter Floodplain Ordinances

FMS ID: 05-53-0000000085 | Sponsor Entity ID: 00-01-0000000512

Sponsor Name: Orange County Drainage District (Flood District)

RFPG Recommend?: No | Reason for Recommendation: Defer to Sabine Region

FMS Details

FMS Type: Regulatory and Guidance

FMS Description: Work with Communities to support ordinances or create ordinances that help to protect new structures from being built in the floodplain or floodway

County: Orange | Associated FME's: - | Associated FMP's: -

Emergency Need?: Yes | If yes, describe Emergency Need: Potential Flood Risk to Critical Facilities

Drainage area (Est. sq-mi): 155.73 | Assumptions/Relevant Context: N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	55	Residential at risk	7,032
Population at risk	14,367	Structures at risk	8,194	Critical facilities at risk	96
Farm/ranch at risk (acres)	240.89	Impacted roadway miles	207.02		
Low water crossings	26	Total historical road closures	26		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

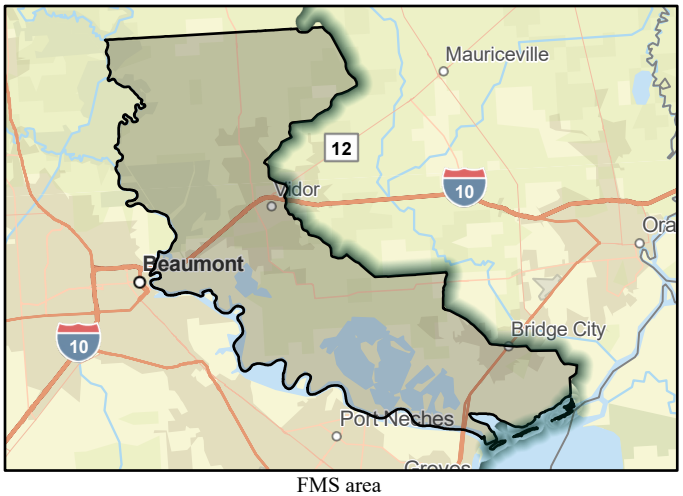
Impacts

Negative impact?: No | Negative impact description: N/A

Water supply contributions?: No | Water supply description: -

Estimated Cost(s)

Total FMS cost: $48,400 | Non-recurring, non-capital cost (NRNC): $0 | Percent Nature-Based: 0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	San Augustine County Continue NFIP Participation
FMS ID	05-53-0000000086
Sponsor Entity ID	00-01-0000000136
Sponsor Name	San Augustine County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Continue participation in the National Flood Insurance Program (NFIP) and expand administration and monitoring capabilities
County	San Augustine
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	533.5
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	90
Population at risk	347	Structures at risk	208	Critical facilities at risk	2
Farm/ranch at risk (acres)	7.31	Impacted roadway miles	46.45		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

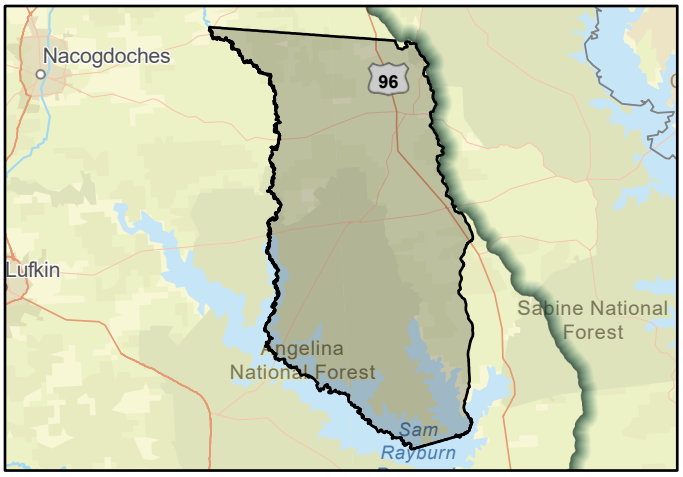
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

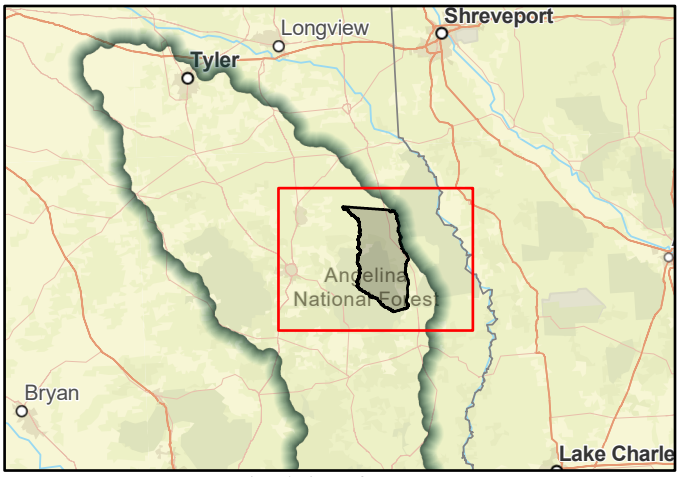
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$64,130	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Lindale Natural Runoff Policies Implementation
FMS ID	05-53-0000000087
Sponsor Entity ID	00-01-0000003369
Sponsor Name	Lindale (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Incorporate "natural run-off" policies. Calculate cumulative effect of development, increase capacity of storm water drainage systems, institute regular drain system maintenance.
County	Smith
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	3.94
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	46
Population at risk	605	Structures at risk	84	Critical facilities at risk	0
Farm/ranch at risk (acres)	0.68	Impacted roadway miles	3.07		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

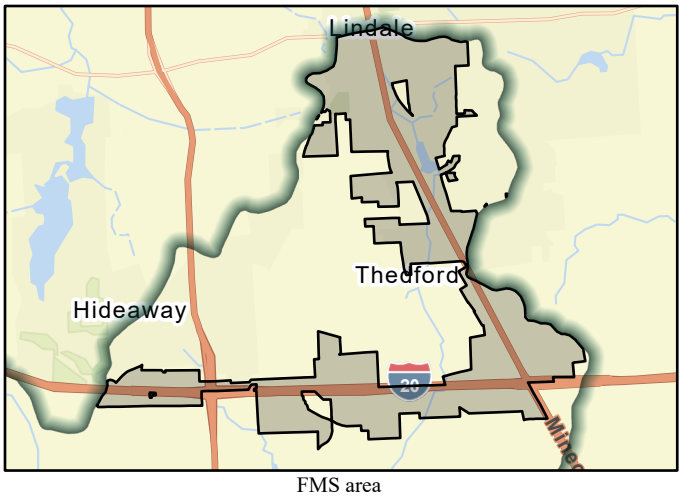
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

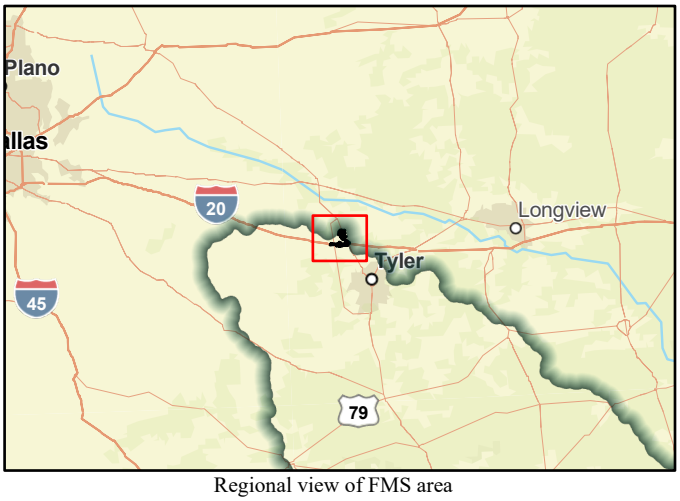
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$36,300	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Lindale No Adverse Impact Implementation
FMS ID	05-53-0000000088
Sponsor Entity ID	00-01-0000003369
Sponsor Name	Lindale (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Incorporate "no adverse impact" design requirements in community development. Provide awareness to stakeholders and design engineers; building code adoption and plan approval process.
County	Smith
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	3.94
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	46
Population at risk	605	Structures at risk	84	Critical facilities at risk	0
Farm/ranch at risk (acres)	0.68	Impacted roadway miles	3.07		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

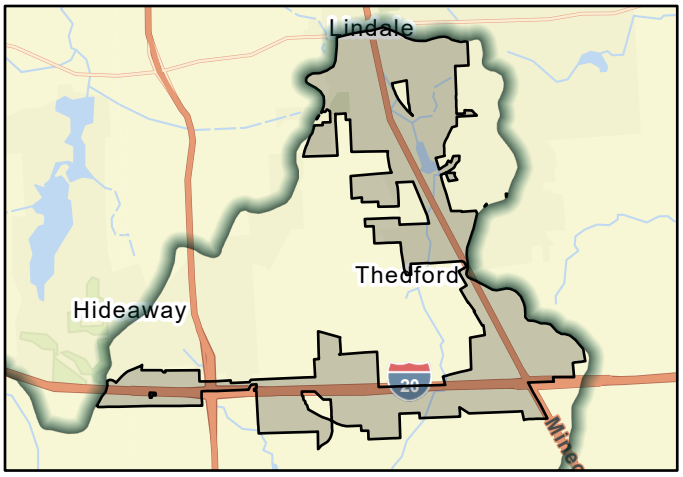
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$72,600	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Troup Floodplain Ordinance Update
FMS ID	05-53-0000000089
Sponsor Entity ID	05-01-0000002673
Sponsor Name	Troup (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Adopt and enforce a stricter floodplain ordinance that no new structures are allowed in the 100-year floodway. Adopted by City Council action.
County	Smith
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	2.46
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	18
Population at risk	90	Structures at risk	28	Critical facilities at risk	0
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.56		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

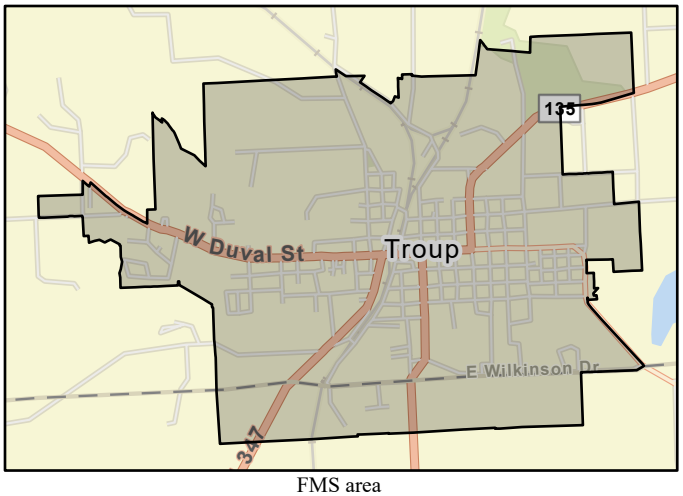
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$48,400	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Trinity County Dam/Levee Failure Data Collection
FMS ID	05-53-0000000090
Sponsor Entity ID	00-01-0000000065
Sponsor Name	Trinity County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Develop and implement standard operating procedures for collecting and sharing data to provide extent of dam/levee failure
County	Trinity
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	341.74
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	35
Population at risk	73	Structures at risk	70	Critical facilities at risk	0
Farm/ranch at risk (acres)	31.78	Impacted roadway miles	60.69		
Low water crossings	9	Total historical road closures	9		

100-Year Flood Risk Reduction

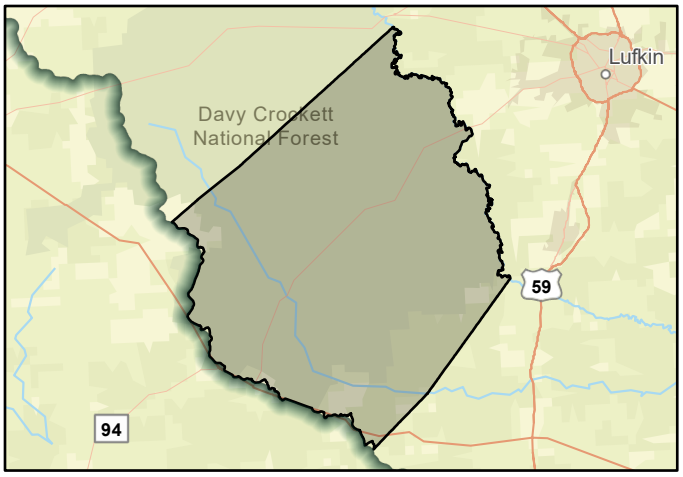
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$37,030	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Van Zandt County Higher Standards Incorporation
FMS ID	05-53-0000000091
Sponsor Entity ID	00-01-0000000110
Sponsor Name	Van Zandt County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Incorporate Higher Standards for Hazard Resistance in Local Application of the Building Code.
County	Van Zandt
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	244.01
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	338
Population at risk	476	Structures at risk	569	Critical facilities at risk	1
Farm/ranch at risk (acres)	123.15	Impacted roadway miles	40.22		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

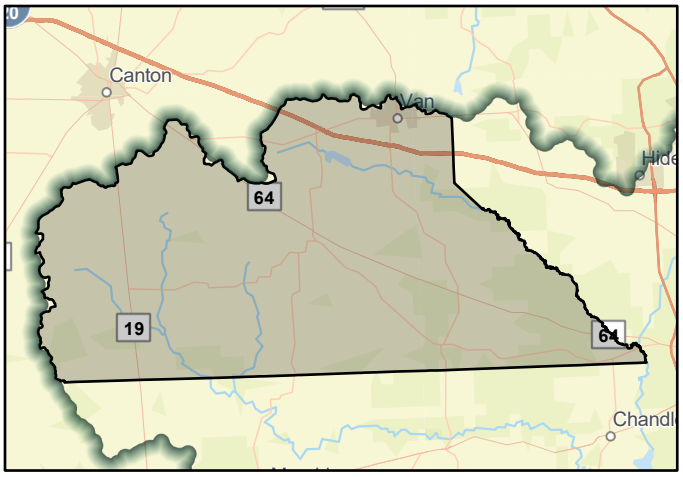
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

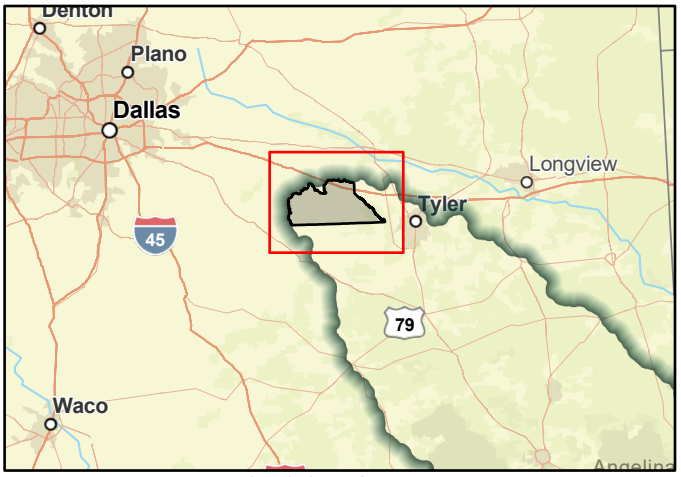
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$36,300	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Neches Region Anderson County Culvert Improvements
FMS ID	05-53-0000000092
Sponsor Entity ID	00-01-0000000156
Sponsor Name	Anderson County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Widen culverts to mitigate against future drainage issues that lead to flooding.
County	Anderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	495.35
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	376
Population at risk	1,119	Structures at risk	556	Critical facilities at risk	1
Farm/ranch at risk (acres)	224.42	Impacted roadway miles	83.6		
Low water crossings	10	Total historical road closures	10		

100-Year Flood Risk Reduction

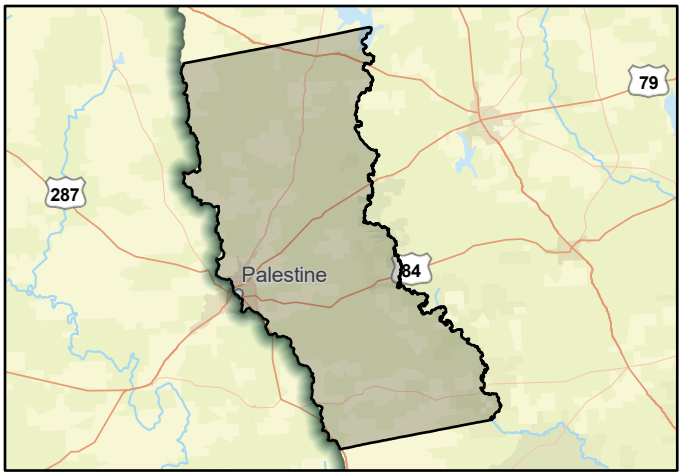
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

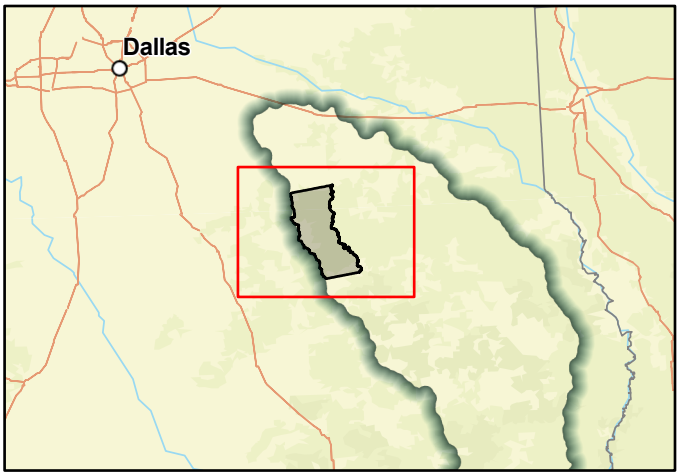
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$3,630,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Neches Region Anderson County Dam Inspection and Maintenance Program
FMS ID	05-53-0000000093
Sponsor Entity ID	00-01-0000000156
Sponsor Name	Anderson County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Work with dam owners to keep dams in excellent condition by visiting dam locations and doing inspections with owners to ensure that dams are properly maintained and failure possibilities are greatly reduced.
County	Anderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	495.35
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	376
Population at risk	1,119	Structures at risk	556	Critical facilities at risk	1
Farm/ranch at risk (acres)	224.42	Impacted roadway miles	83.6		
Low water crossings	10	Total historical road closures	10		

100-Year Flood Risk Reduction

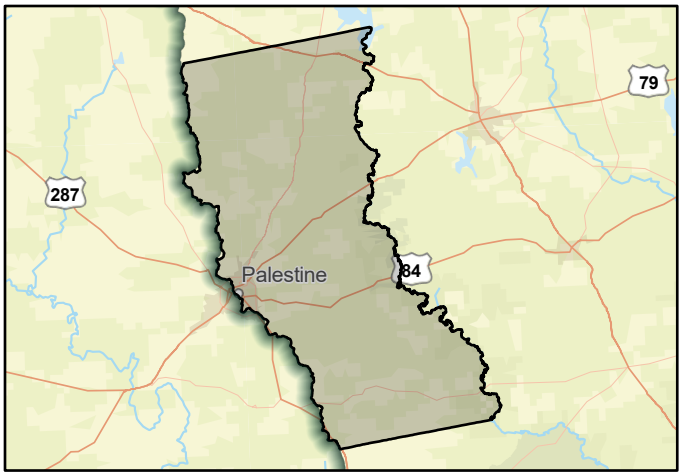
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

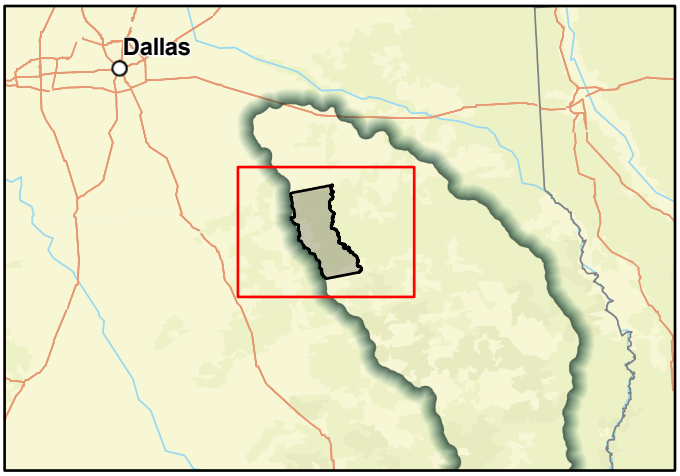
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$10,500	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Frankston Culvert Improvements
FMS ID	05-53-0000000094
Sponsor Entity ID	05-01-0000003405
Sponsor Name	Frankston (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop plan to increase drainage capacity in sites that are prone to flooding.
County	Anderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	2.47
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	12
Population at risk	63	Structures at risk	16	Critical facilities at risk	1
Farm/ranch at risk (acres)	0.28	Impacted roadway miles	1.61		
Low water crossings	1	Total historical road closures	1		

100-Year Flood Risk Reduction

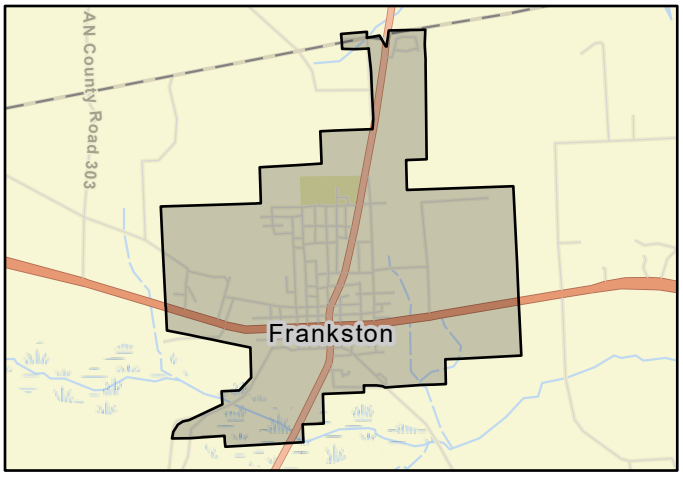
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

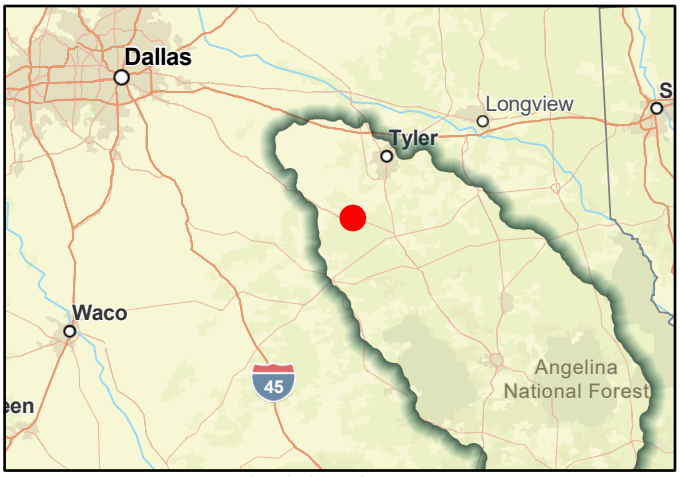
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,210,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Palestine Drainage System Expansion and Maintenance
FMS ID	05-53-0000000095
Sponsor Entity ID	00-01-0000003346
Sponsor Name	Palestine (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish plan and necessary standards to increase the capacity of drainage ditches along all city streets and roads
County	Anderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	6.77
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	207
Population at risk	833	Structures at risk	279	Critical facilities at risk	0
Farm/ranch at risk (acres)	0.67	Impacted roadway miles	12.06		
Low water crossings	2	Total historical road closures	2		

100-Year Flood Risk Reduction

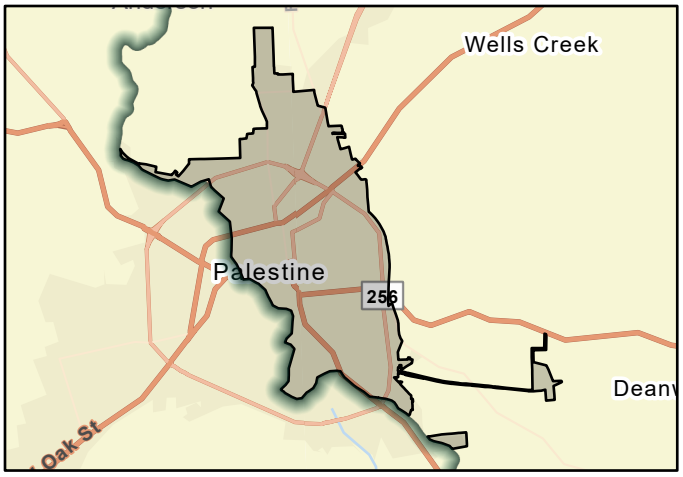
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

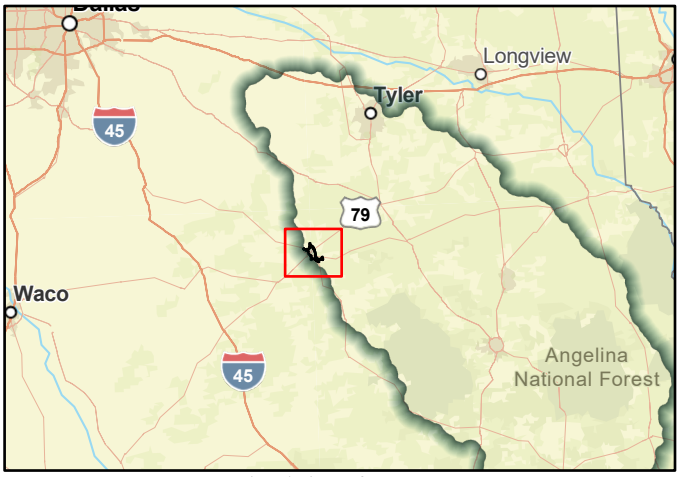
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Angelina County Culvert Improvements
FMS ID	05-53-0000000096
Sponsor Entity ID	05-01-0000000125
Sponsor Name	Angelina County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop plan to upgrade major culvert areas which are prone to flooding.
County	Angelina
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	860.98
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	25	Residential at risk	1,861
Population at risk	14,218	Structures at risk	2,796	Critical facilities at risk	37
Farm/ranch at risk (acres)	40.87	Impacted roadway miles	193.43		
Low water crossings	48	Total historical road closures	48		

100-Year Flood Risk Reduction

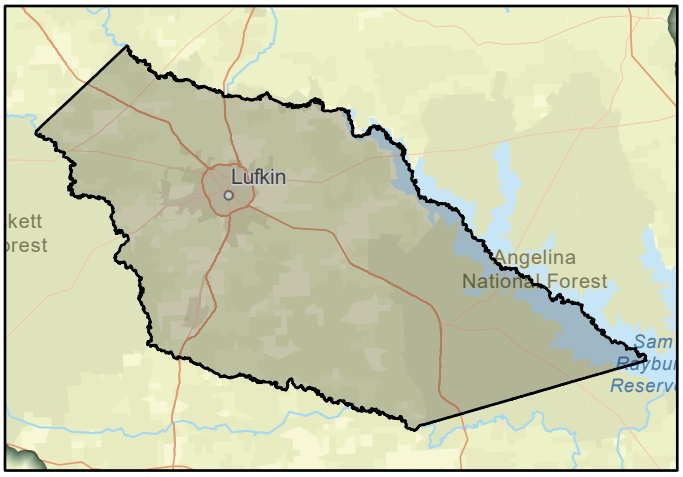
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

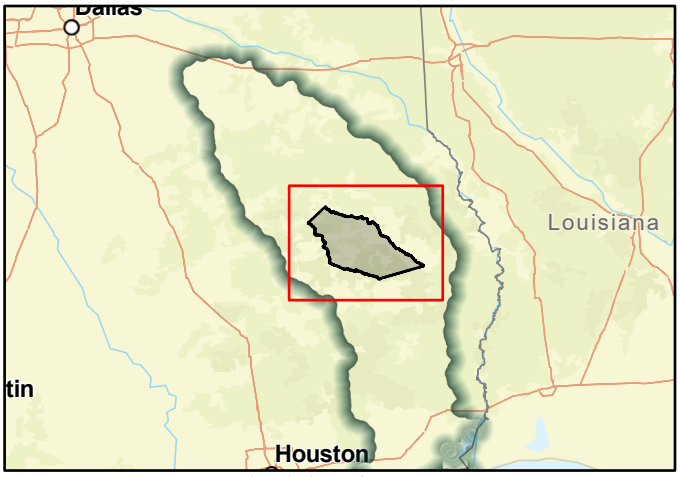
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$63,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Burke Drainage Ditch Capacity Upgrades
FMS ID	05-53-0000000097
Sponsor Entity ID	05-01-0000003195
Sponsor Name	Burke (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish a plan and necessary standards to increase the capacity of drainage ditches along all city streets and roads
County	Angelina
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	2.83
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	18
Population at risk	20	Structures at risk	22	Critical facilities at risk	0
Farm/ranch at risk (acres)	0	Impacted roadway miles	1.01		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

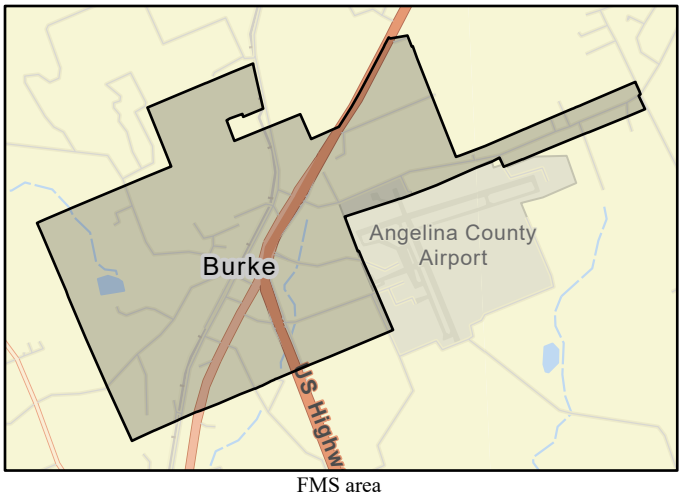
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$605,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Chambers County Property Protection
FMS ID	05-53-0000000098
Sponsor Entity ID	00-01-0000000013
Sponsor Name	Chambers County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Project will clear obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding throughout all participating jurisdictions
County	Chambers
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	434.46
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	2,138
Population at risk	5,041	Structures at risk	4,006	Critical facilities at risk	7
Farm/ranch at risk (acres)	59,127.27	Impacted roadway miles	211.29		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

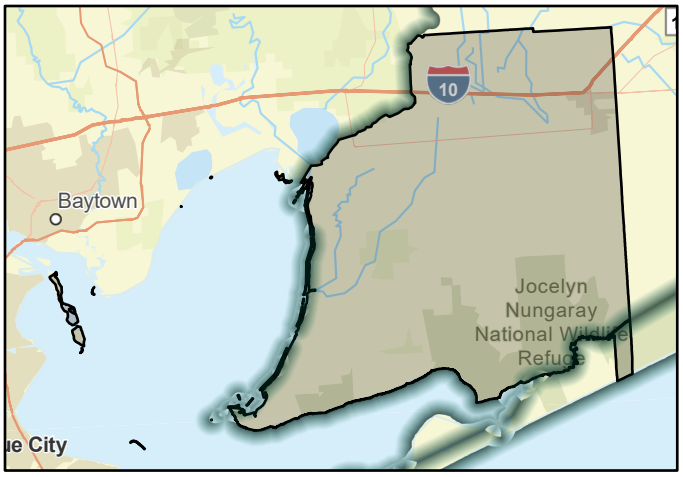
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,210,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	Cherokee County Culvert Upgrades
FMS ID	05-53-0000000099
Sponsor Entity ID	05-01-0000000159
Sponsor Name	Cherokee County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop plan to upgrade major culvert areas which are prone to flooding.
County	Cherokee
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	1,057.77
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	5	Residential at risk	729
Population at risk	4,401	Structures at risk	1,379	Critical facilities at risk	9
Farm/ranch at risk (acres)	690.43	Impacted roadway miles	162.05		
Low water crossings	37	Total historical road closures	37		

100-Year Flood Risk Reduction

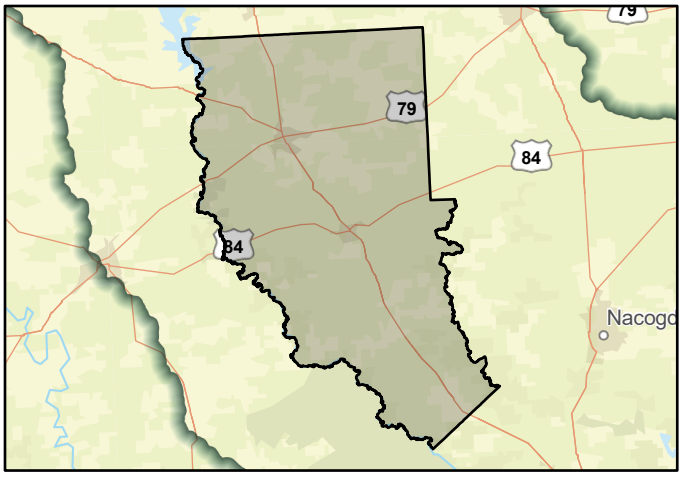
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

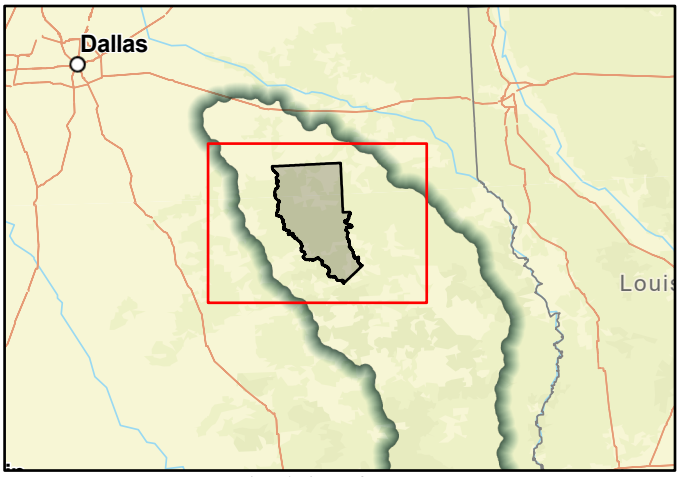
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$80,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	City of Alto Culvert Improvements
FMS ID	05-53-0000000100
Sponsor Entity ID	05-01-0000002862
Sponsor Name	Alto (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop plan to increase drainage capacity in sites that are prone to flooding.
County	Cherokee
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	1.7
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	14
Population at risk	82	Structures at risk	38	Critical facilities at risk	0
Farm/ranch at risk (acres)	0.11	Impacted roadway miles	0.84		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

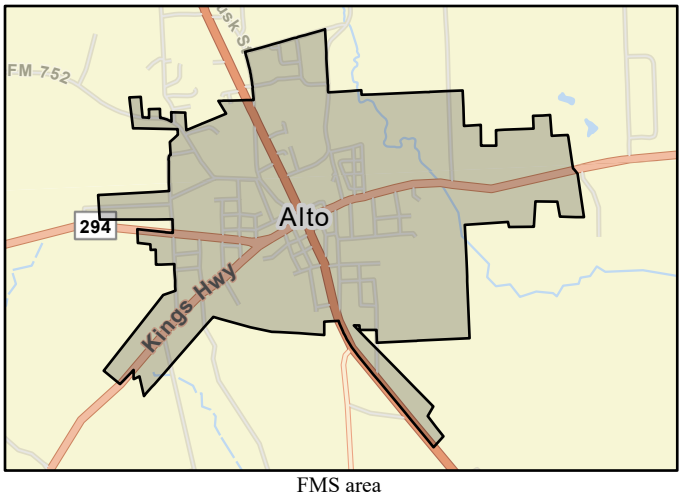
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,210,000	Non-recurring, non-capital cost (NRNC)	$5,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Reklaw Drainage System Upgrades
FMS ID	05-53-0000000101
Sponsor Entity ID	05-01-0000002866
Sponsor Name	Reklaw (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish plan to increase drainage capacity in sites that are prone to flooding.
County	Cherokee
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	2.93
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	1
Population at risk	1	Structures at risk	4	Critical facilities at risk	0
Farm/ranch at risk (acres)	0.12	Impacted roadway miles	1.18		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

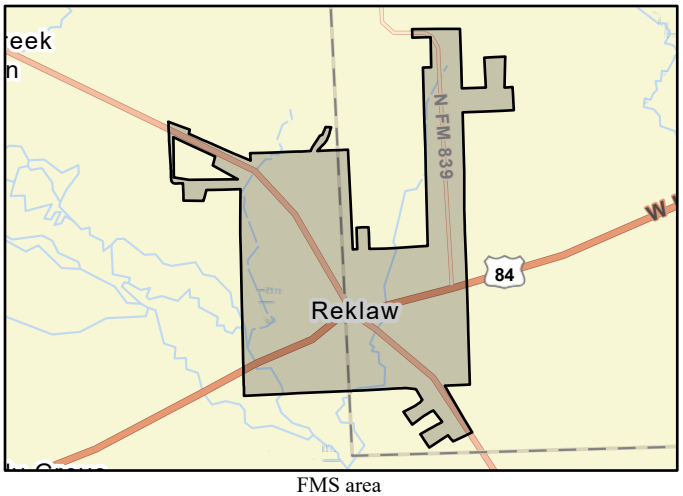
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,210,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Rusk Culvert Improvements
FMS ID	05-53-0000000102
Sponsor Entity ID	05-01-0000002867
Sponsor Name	Rusk (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish plan to increase drainage capacity in sites that are prone to flooding.
County	Cherokee
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	7.23
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	2	Residential at risk	23
Population at risk	779	Structures at risk	72	Critical facilities at risk	2
Farm/ranch at risk (acres)	0.08	Impacted roadway miles	4.32		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,210,000	Non-recurring, non-capital cost (NRNC)	$5,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Wells Culvert Improvements
FMS ID	05-53-0000000103
Sponsor Entity ID	05-01-0000002868
Sponsor Name	Wells (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish plan to increase drainage capacity in sites that are prone to flooding.
County	Cherokee
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	1.91
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	13
Population at risk	22	Structures at risk	18	Critical facilities at risk	0
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.96		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

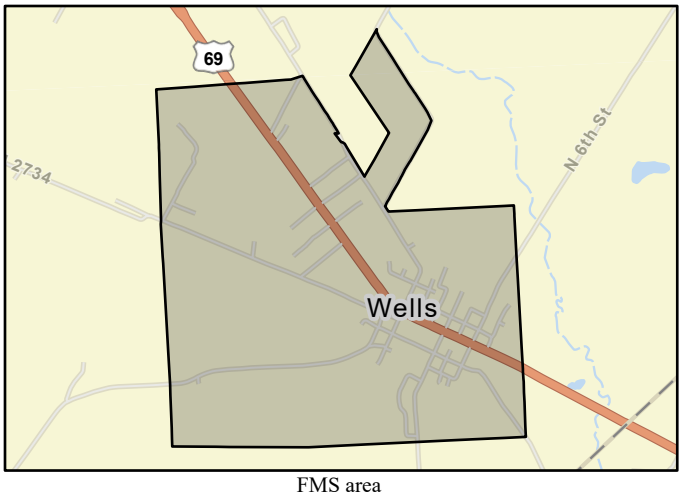
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

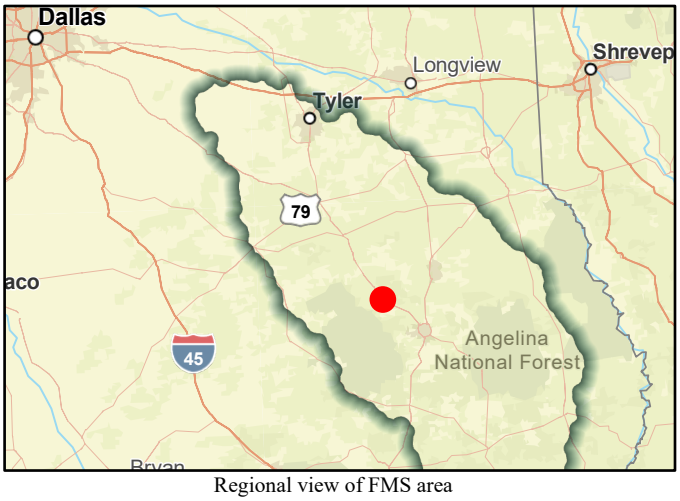
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,210,000	Non-recurring, non-capital cost (NRNC)	$5,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Hardin County Culverts, Ditches, and Channel
FMS ID	05-53-0000000104
Sponsor Entity ID	00-01-0000000035
Sponsor Name	Hardin County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish plan to upgrade storm water capacity by installing/upgrading culverts and enlarging storm water channels.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	893.96
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	53	Residential at risk	4,134
Population at risk	11,422	Structures at risk	6,136	Critical facilities at risk	59
Farm/ranch at risk (acres)	1,020.86	Impacted roadway miles	285.63		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

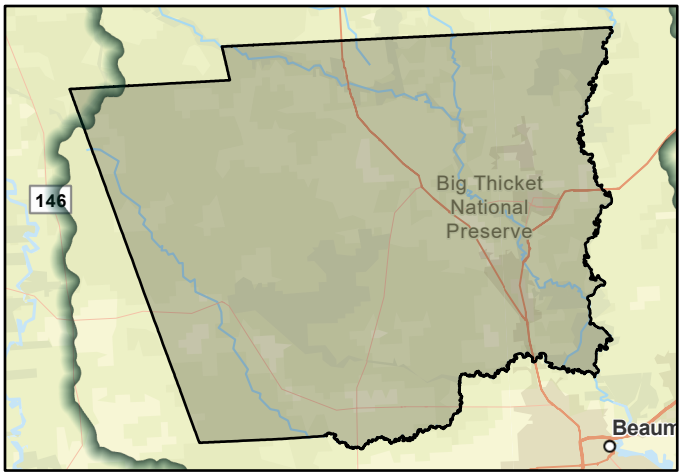
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$3,630,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Hardin County Detention Ponds
FMS ID	05-53-0000000105
Sponsor Entity ID	00-01-0000000035
Sponsor Name	Hardin County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop a program to construct water retention ponds to collect stormwater run-off, reduce flooding, and use as an alternate water source throughout Hardin County.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	893.96
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	53	Residential at risk	4,134
Population at risk	11,422	Structures at risk	6,136	Critical facilities at risk	59
Farm/ranch at risk (acres)	1,020.86	Impacted roadway miles	285.63		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

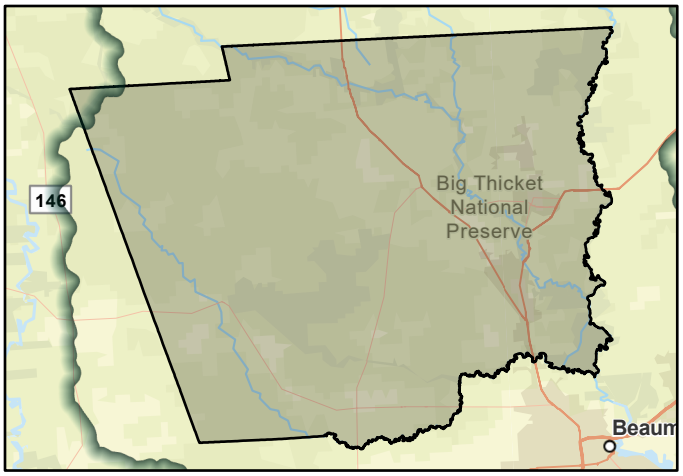
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,210,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Hardin County Elevate Roads and Bridges
FMS ID	05-53-0000000106
Sponsor Entity ID	00-01-0000000035
Sponsor Name	Hardin County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	893.97
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	53	Residential at risk	4,134
Population at risk	11,422	Structures at risk	6,136	Critical facilities at risk	59
Farm/ranch at risk (acres)	1,020.86	Impacted roadway miles	285.63		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

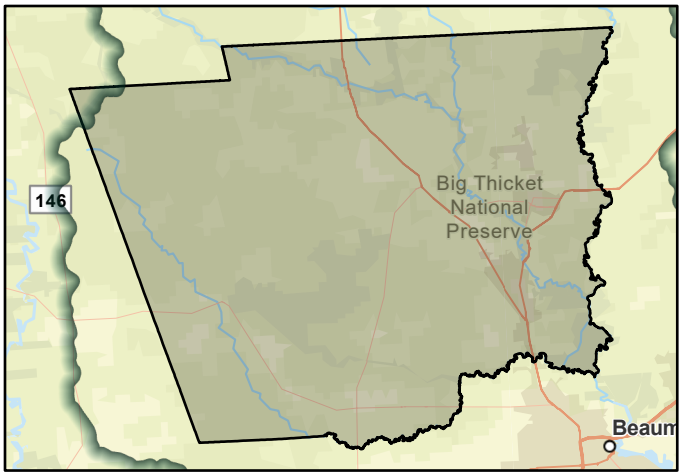
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$12,100,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Kountze Culverts and Ditches
FMS ID	05-53-0000000107
Sponsor Entity ID	05-01-0000003028
Sponsor Name	Kountze (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop plan to increase drainage capacity in sites that are prone to flooding.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	3.97
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	55
Population at risk	127	Structures at risk	94	Critical facilities at risk	1
Farm/ranch at risk (acres)	0	Impacted roadway miles	3.94		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$3,630,000	Non-recurring, non-capital cost (NRNC)	$80,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Kountze Elevate Roads and Bridges
FMS ID	05-53-0000000108
Sponsor Entity ID	05-01-0000003028
Sponsor Name	Kountze (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	3.97
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	55
Population at risk	127	Structures at risk	94	Critical facilities at risk	1
Farm/ranch at risk (acres)	0	Impacted roadway miles	3.94		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Kountze General Drainage Improvements
FMS ID	05-53-0000000109
Sponsor Entity ID	05-01-0000003028
Sponsor Name	Kountze (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Increase drainage capacity; add stormwater detention basins and stormwater pumping stations where gravity flow is not feasible.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	3.97
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	55
Population at risk	127	Structures at risk	94	Critical facilities at risk	1
Farm/ranch at risk (acres)	0	Impacted roadway miles	3.94		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,815,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Lumberton Culverts, Ditches, and Channels
FMS ID	05-53-0000000110
Sponsor Entity ID	05-01-0000002488
Sponsor Name	Lumberton (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop plan to increase drainage capacity in sites that are prone to flooding.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	13.46
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	17	Residential at risk	1,046
Population at risk	3,419	Structures at risk	1,537	Critical facilities at risk	18
Farm/ranch at risk (acres)	19.06	Impacted roadway miles	35.28		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

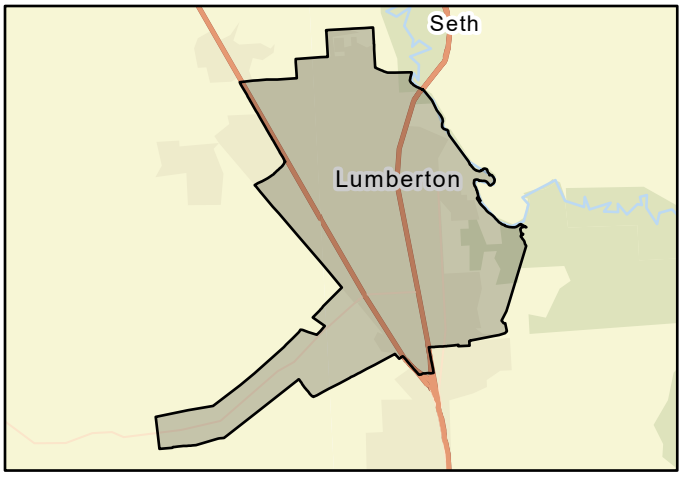
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$3,630,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Rose Hill Acres Flood Control Improvements
FMS ID	05-53-0000000111
Sponsor Entity ID	05-01-0000003029
Sponsor Name	Rose Hill Acres (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop a program to upgrade flood control structures (barriers, berms) for the purpose of protecting critical facilities, potable water sources, and agricultural resources from water contamination and saltwater intrusion.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	0.42
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	65
Population at risk	137	Structures at risk	75	Critical facilities at risk	0
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.9		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

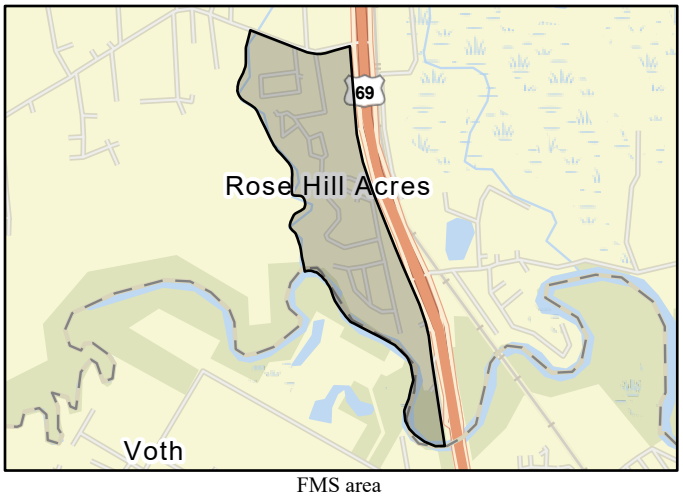
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$3,630,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Rose Hill Acres General Drainage Improvements
FMS ID	05-53-0000000112
Sponsor Entity ID	05-01-0000003029
Sponsor Name	Rose Hill Acres (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish criteria to increase drainage capacity; add stormwater detention basins, box culverts and/or pipes to increase drainage capacity.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	0.42
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	65
Population at risk	137	Structures at risk	75	Critical facilities at risk	0
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.9		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

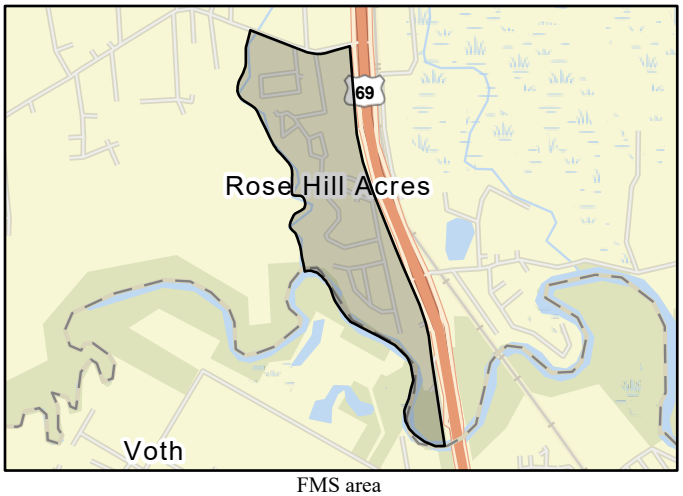
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$484,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Silsbee Detention, Culverts, Ditches and Channels
FMS ID	05-53-0000000113
Sponsor Entity ID	05-01-0000002932
Sponsor Name	Silsbee (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop plan to increase drainage capacity in sites that are prone to flooding.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	7.7
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	6	Residential at risk	266
Population at risk	2,252	Structures at risk	387	Critical facilities at risk	7
Farm/ranch at risk (acres)	0	Impacted roadway miles	12.62		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,815,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Silsbee Drainage Ditches
FMS ID	05-53-0000000114
Sponsor Entity ID	05-01-0000002932
Sponsor Name	Silsbee (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop a program to upgrade drainage ditches and explore converting necessary ditches into curb / sewer construction.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	7.7
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	6	Residential at risk	266
Population at risk	2,252	Structures at risk	387	Critical facilities at risk	7
Farm/ranch at risk (acres)	0	Impacted roadway miles	12.62		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,210,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Silsbee Flood Mitigation for Hendrix Development
FMS ID	05-53-0000000115
Sponsor Entity ID	05-01-0000002932
Sponsor Name	Silsbee (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Explore, plan, and implement flood mitigation strategies within the Hendrix Development.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	7.7
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	6	Residential at risk	266
Population at risk	2,252	Structures at risk	387	Critical facilities at risk	7
Farm/ranch at risk (acres)	0	Impacted roadway miles	12.62		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$6,050,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	City of Sour Lake Channel Improvements
FMS ID	05-53-0000000116
Sponsor Entity ID	05-01-0000002933
Sponsor Name	Sour Lake (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish criteria and standards for installing large concrete channels, box culvert, concrete pipe, and/or mechanisms as needed to mitigate drainage ditch erosion and improve water capacity and conveyance.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	2.34
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	4	Residential at risk	216
Population at risk	814	Structures at risk	301	Critical facilities at risk	7
Farm/ranch at risk (acres)	1.51	Impacted roadway miles	5.69		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

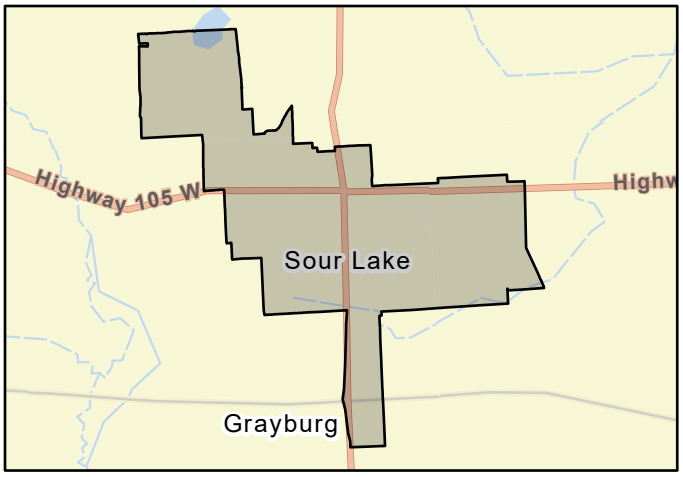
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$605,000	Non-recurring, non-capital cost (NRNC)	$60,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Sour Lake Drainage Outfalls
FMS ID	05-53-0000000117
Sponsor Entity ID	05-01-0000002933
Sponsor Name	Sour Lake (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Advance a plan to rectify, enlarge, and maintain outfall channels for the City of Sour Lake, including excavating interior roadside ditches.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	2.34
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	4	Residential at risk	216
Population at risk	814	Structures at risk	301	Critical facilities at risk	7
Farm/ranch at risk (acres)	1.51	Impacted roadway miles	5.69		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

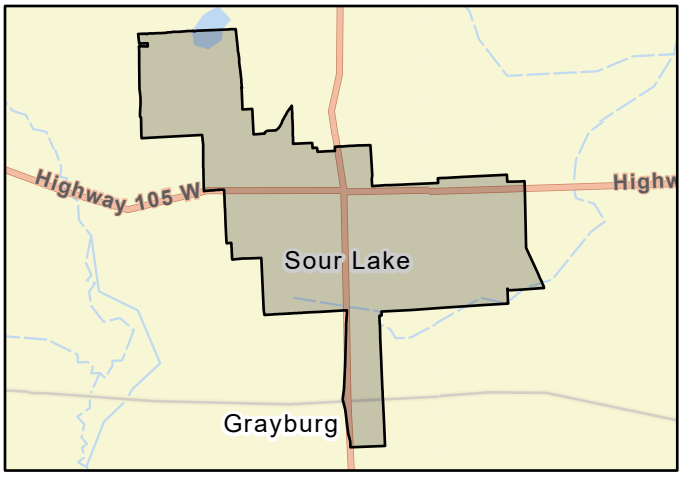
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,210,000	Non-recurring, non-capital cost (NRNC)	$60,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Sour Lake Stormwater Detention
FMS ID	05-53-0000000118
Sponsor Entity ID	05-01-0000002933
Sponsor Name	Sour Lake (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish criteria and standards to construct water retention ponds to collect stormwater run-off and reduce flooding.
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	2.34
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	4	Residential at risk	216
Population at risk	814	Structures at risk	301	Critical facilities at risk	7
Farm/ranch at risk (acres)	1.51	Impacted roadway miles	5.69		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

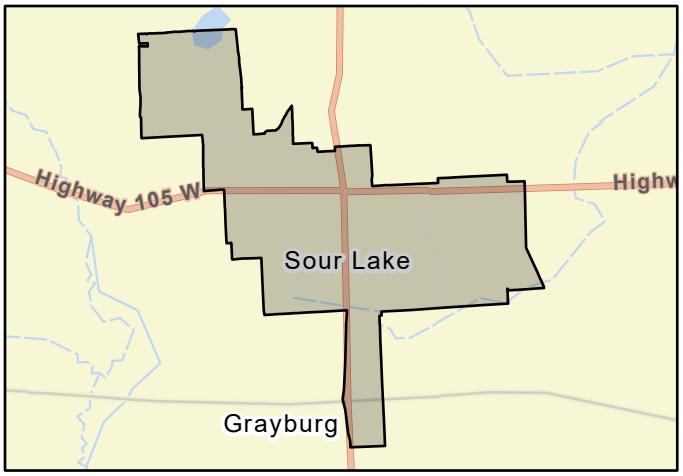
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$8,470,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	Houston County Drainage Culvert Upgrades
FMS ID	05-53-0000000119
Sponsor Entity ID	00-01-0000000128
Sponsor Name	Houston County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop a plan to expand/upgrade drainage culverts to prevent flooded roadways and add signage in low-water crossings.
County	Houston
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	418.21
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	5	Residential at risk	51
Population at risk	274	Structures at risk	139	Critical facilities at risk	5
Farm/ranch at risk (acres)	79.73	Impacted roadway miles	67.11		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

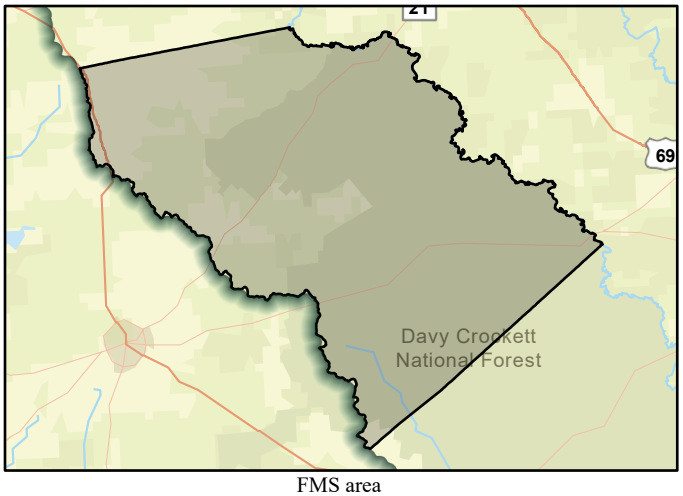
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

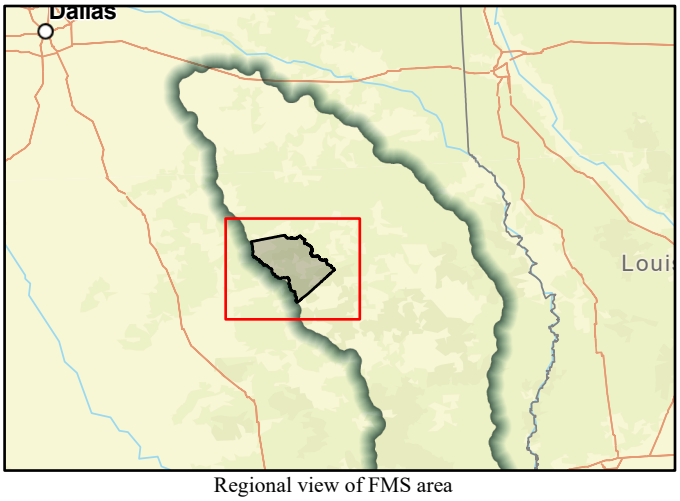
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$3,630,000	Non-recurring, non-capital cost (NRNC)	$25,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	Houston County Flood Infrastructure Maintenance
FMS ID	05-53-0000000120
Sponsor Entity ID	00-01-0000000128
Sponsor Name	Houston County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Clear debris from bridges, box culverts, and drainage systems throughout unincorporated county.
County	Houston
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	418.21
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	5	Residential at risk	51
Population at risk	274	Structures at risk	139	Critical facilities at risk	5
Farm/ranch at risk (acres)	79.73	Impacted roadway miles	67.11		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

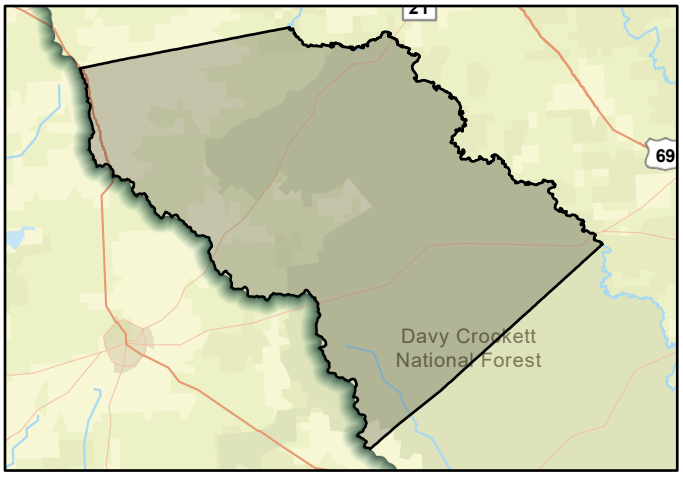
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

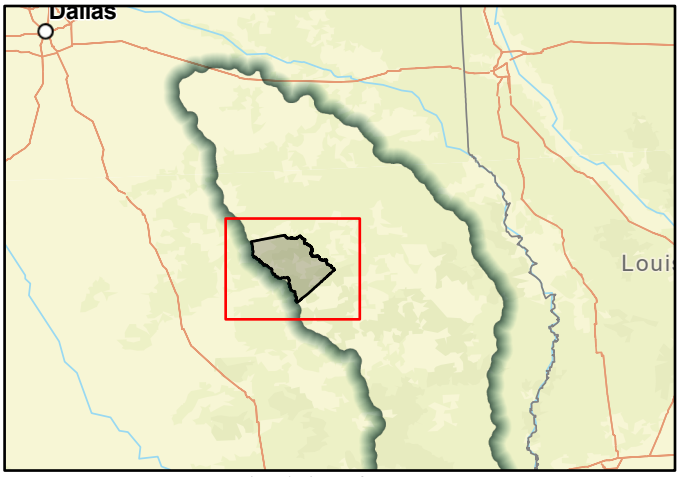
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$121,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	City of Grapeland Critical Facilities Flood-Proofing
FMS ID	05-53-0000000121
Sponsor Entity ID	00-01-0000000128
Sponsor Name	Houston County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Flood proof critical facilities to the 500-year flood that are located in flood-prone areas of the city.
County	Houston
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	418.21
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	5	Residential at risk	51
Population at risk	274	Structures at risk	139	Critical facilities at risk	5
Farm/ranch at risk (acres)	79.73	Impacted roadway miles	67.11		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

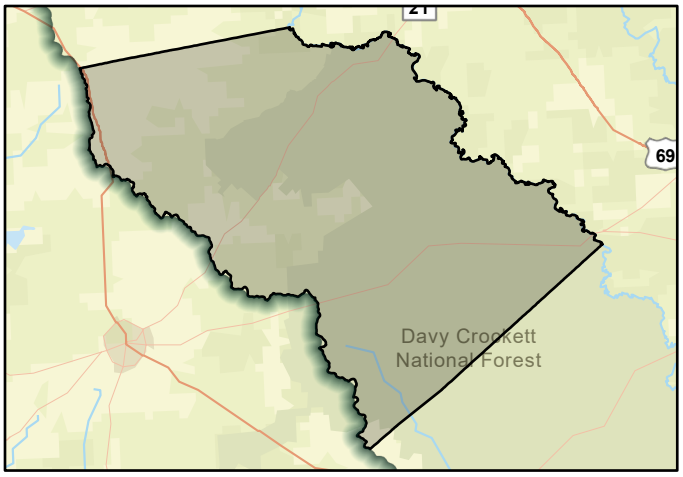
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

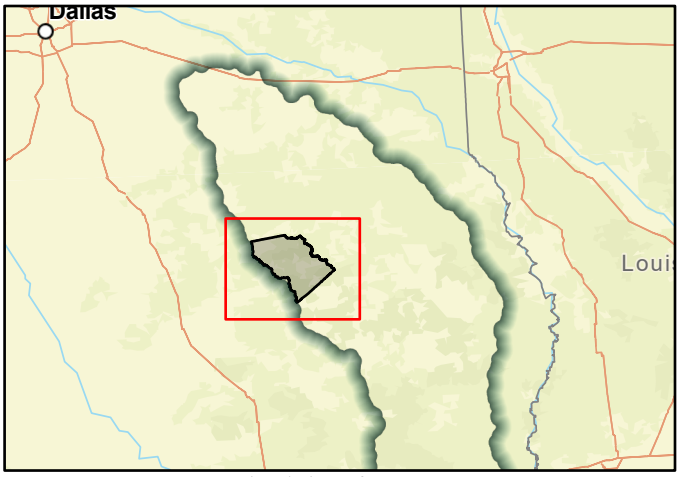
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,210,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	City of Kennard Ditch Maintenance Program
FMS ID	05-53-0000000122
Sponsor Entity ID	05-01-0000002532
Sponsor Name	Kennard (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Implement program to routinely remove debris from drainage ways and roadside ditches to prevent back up of flood velocity and improve conveyance of stream during flood events.
County	Houston
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	418.21
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	5	Residential at risk	51
Population at risk	274	Structures at risk	139	Critical facilities at risk	5
Farm/ranch at risk (acres)	79.73	Impacted roadway miles	67.11		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

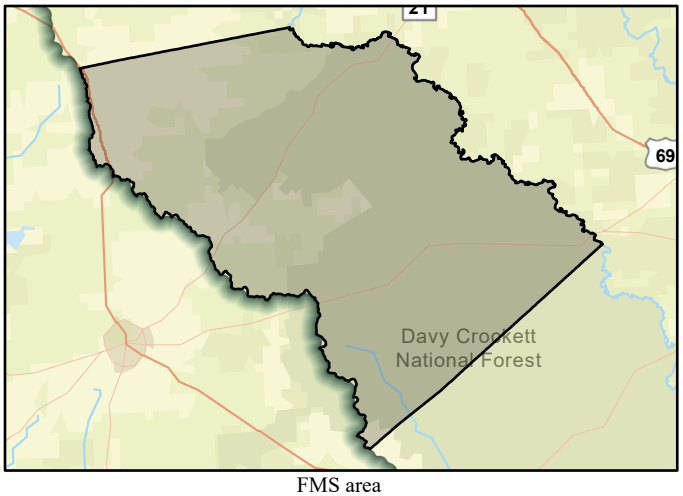
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

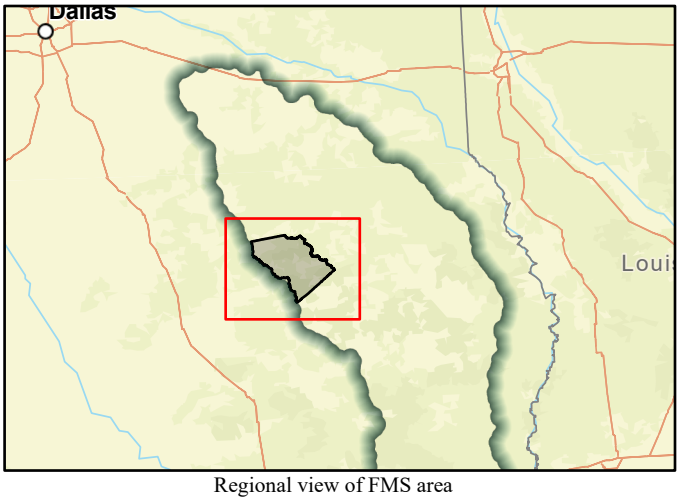
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,210,000	Non-recurring, non-capital cost (NRNC)	$50,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Liberty County Drainage Projects
FMS ID	05-53-0000000123
Sponsor Entity ID	00-01-0000000033
Sponsor Name	Liberty County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Infrastructure Projects
FMS Description	The county will work with partnering jurisdictions and engineers in order to implement drainage projects throughout the county- including adding ditches, detention ponds and detention basins in identified locations throughout the county.
County	Liberty
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	235.49
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	3	Residential at risk	515
Population at risk	999	Structures at risk	757	Critical facilities at risk	9
Farm/ranch at risk (acres)	3,795.89	Impacted roadway miles	36.89		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

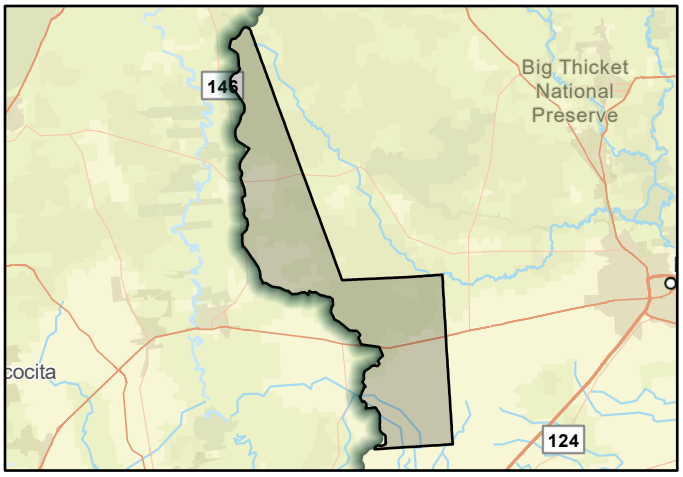
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Daisetta Culvert Maintenance and Upgrades
FMS ID	05-53-0000000124
Sponsor Entity ID	05-01-0000002480
Sponsor Name	Daisetta (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Removal of debris, silt and vegetation obstacles in drainage ways. Project will clear obstacles, mow and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.
County	Liberty
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	1.48
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	3	Residential at risk	53
Population at risk	73	Structures at risk	73	Critical facilities at risk	3
Farm/ranch at risk (acres)	0	Impacted roadway miles	2.15		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

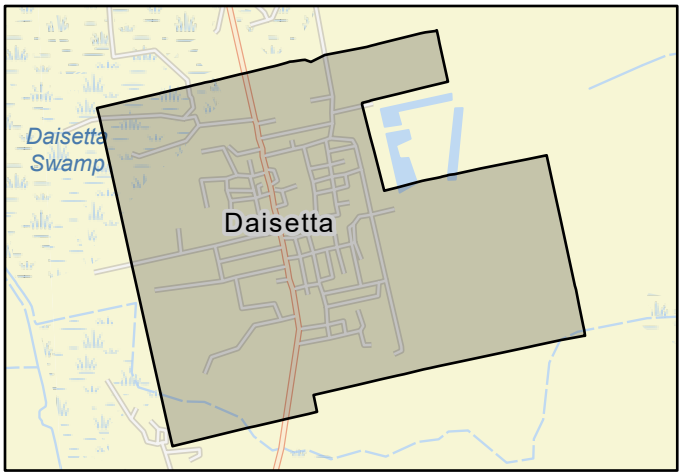
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,210,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	OCDD Flood Infrastructure Improvements
FMS ID	05-53-0000000125
Sponsor Entity ID	00-01-0000000512
Sponsor Name	Orange County Drainage District (Flood District)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Support regional efforts to plan, design, and construct large scale flood control / storm surge protection improvements
County	Orange
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	155.73
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	55	Residential at risk	7,032
Population at risk	14,367	Structures at risk	8,194	Critical facilities at risk	96
Farm/ranch at risk (acres)	240.89	Impacted roadway miles	207.02		
Low water crossings	26	Total historical road closures	26		

100-Year Flood Risk Reduction

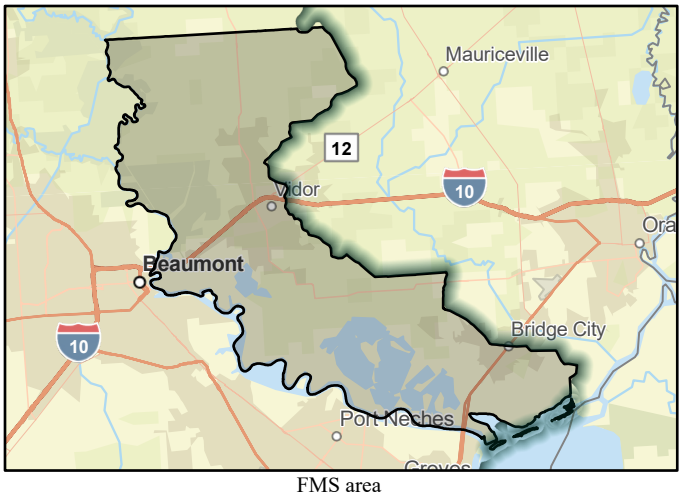
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$3,630,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Polk County Facilities Hazard Hardening Retrofit
FMS ID	05-53-0000000126
Sponsor Entity ID	00-01-0000000058
Sponsor Name	Polk County (County)
RFPG Recommend?	No
Reason for Recommendation	defer to Trinity Region

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Activities may include but are not limited to: flood proofing, impact resistant windows, storm shutters, roof straps, structural bracing, low-flow plumbing fixtures, roll-up door reinforcement, grounding systems, and surge-protection.
County	Polk
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	535.17
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	177
Population at risk	1,455	Structures at risk	330	Critical facilities at risk	0
Farm/ranch at risk (acres)	7.29	Impacted roadway miles	55.24		
Low water crossings	39	Total historical road closures	39		

100-Year Flood Risk Reduction

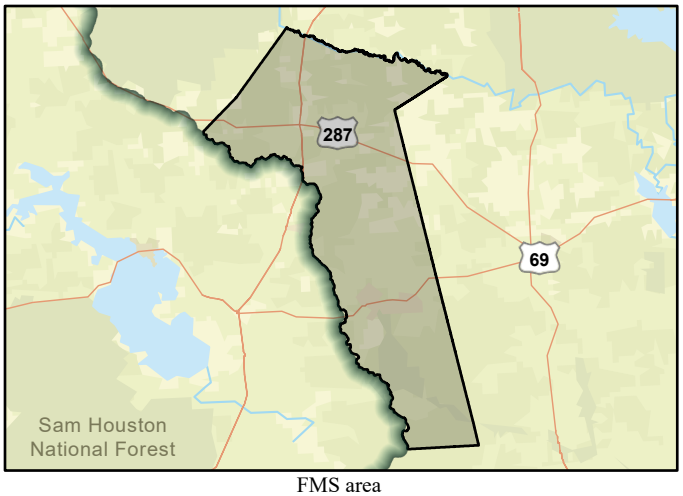
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,815,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Polk County Flood Infrastructure Improvements
FMS ID	05-53-0000000127
Sponsor Entity ID	00-01-0000000058
Sponsor Name	Polk County (County)
RFPG Recommend?	No
Reason for Recommendation	defer to Trinity Region

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Implement program to 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.
County	Polk
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	535.17
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	177
Population at risk	1,455	Structures at risk	330	Critical facilities at risk	0
Farm/ranch at risk (acres)	7.29	Impacted roadway miles	55.24		
Low water crossings	39	Total historical road closures	39		

100-Year Flood Risk Reduction

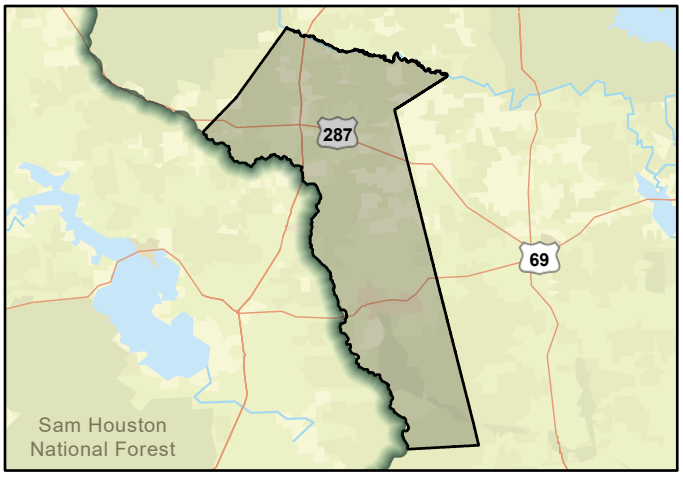
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Henderson Flood Infrastructure Maintenance
FMS ID	05-53-0000000128
Sponsor Entity ID	00-01-0000002895
Sponsor Name	Henderson (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish a plan to conduct various flood control maintenance improvements throughout the City
County	Rusk
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	11.99
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	3	Residential at risk	100
Population at risk	1,439	Structures at risk	198	Critical facilities at risk	3
Farm/ranch at risk (acres)	0	Impacted roadway miles	5.49		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,210,000	Non-recurring, non-capital cost (NRNC)	$50,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	San Augustine County Bridge Improvements
FMS ID	05-53-0000000129
Sponsor Entity ID	00-01-0000000136
Sponsor Name	San Augustine County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.
County	San Augustine
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	533.5
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	90
Population at risk	347	Structures at risk	208	Critical facilities at risk	2
Farm/ranch at risk (acres)	7.31	Impacted roadway miles	46.45		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

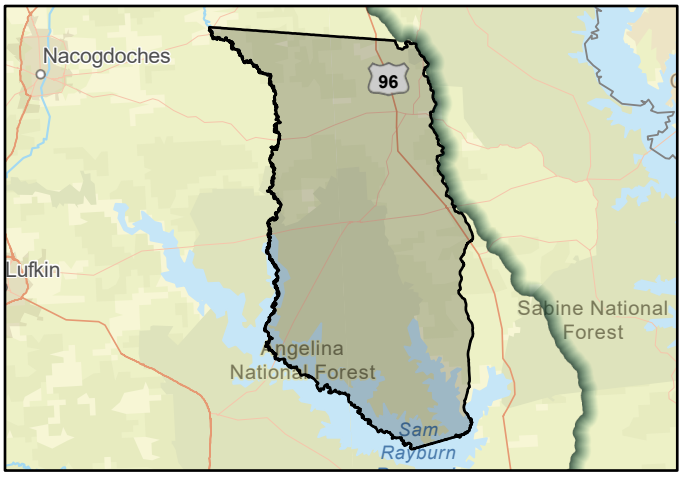
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

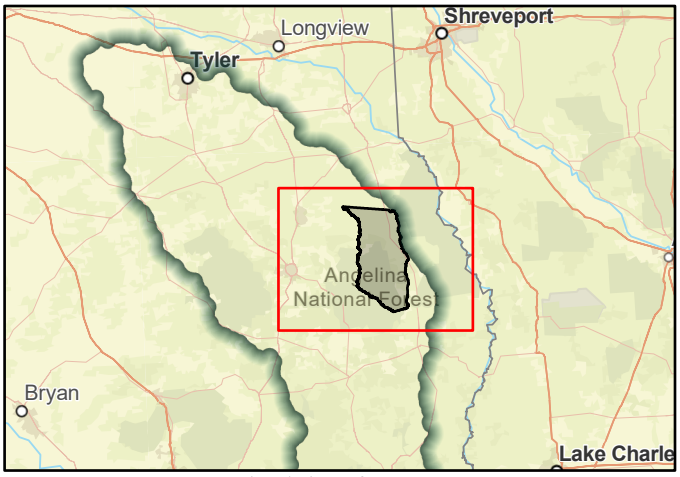
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	San Augustine County Culvert Upgrades		
FMS ID	05-53-0000000130	Sponsor Entity ID	00-01-0000000136
Sponsor Name	San Augustine County (County)		
RFPG Recommend?	Yes	Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish a plan to upgrade culverts in county extent. Actions can include but are not limited to: installing/upgrading culverts and headwalls; and enlarging storm water ditches and canals.

County	San Augustine	Associated FME's	-	Associated FMP's	-
Emergency Need?	Yes	If yes, describe Emergency Need	Potential Flood Risk to Life/Property		
Drainage area (Est. sq-mi)	533.5	Assumptions/Relevant Context	N/A		

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	90
Population at risk	347	Structures at risk	208	Critical facilities at risk	2
Farm/ranch at risk (acres)	7.31	Impacted roadway miles	46.45		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

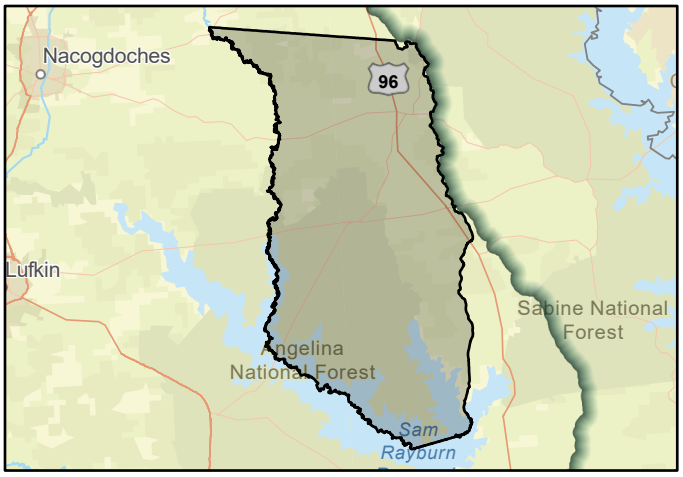
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

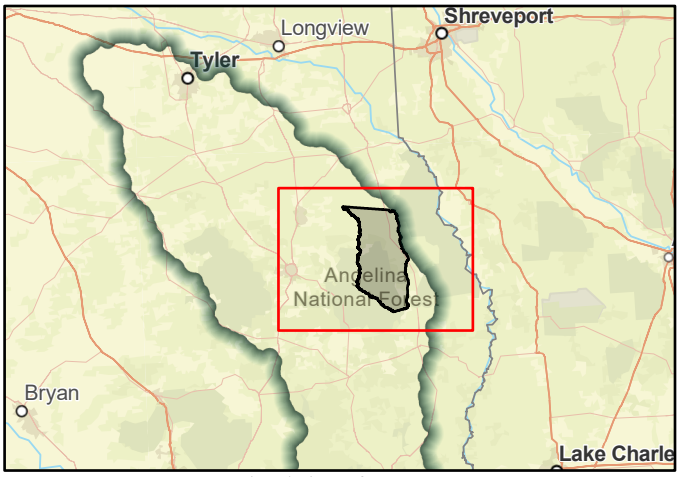
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	San Augustine County Facilities Hazard Hardening Retrofit
FMS ID	05-53-0000000131
Sponsor Entity ID	00-01-0000000136
Sponsor Name	San Augustine County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Actions can include but are not limited to: installing window screens, storm shutters, window film reinforcements, roof straps, and flood proofing.
County	San Augustine
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	533.5
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	90
Population at risk	347	Structures at risk	208	Critical facilities at risk	2
Farm/ranch at risk (acres)	7.31	Impacted roadway miles	46.45		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

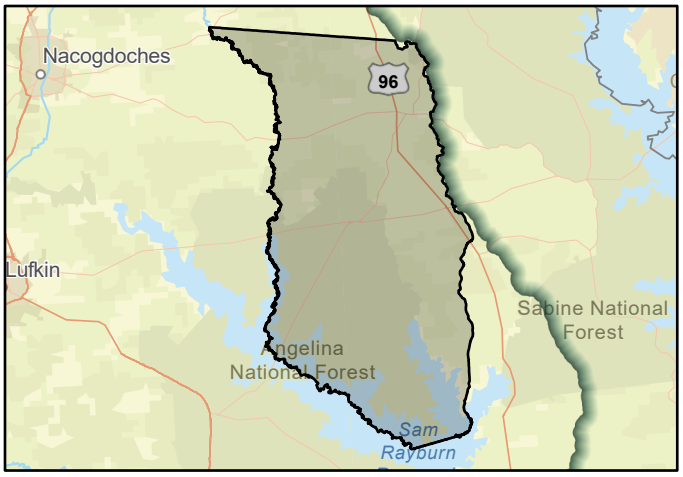
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

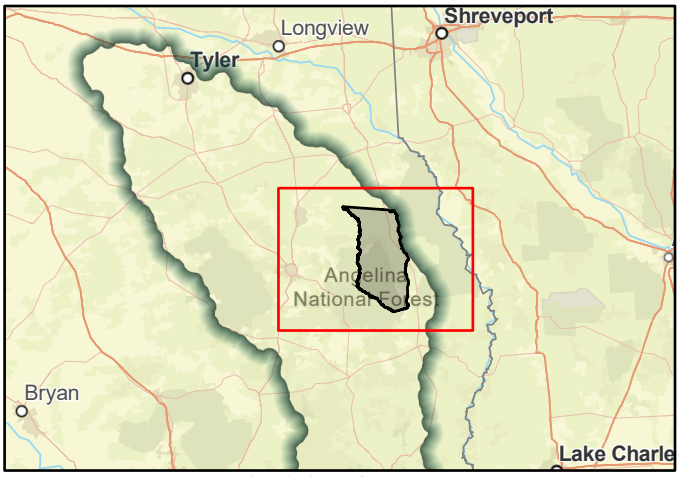
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,815,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	San Augustine County Detention and Retention Pond Construction
FMS ID	05-53-0000000132
Sponsor Entity ID	00-01-0000000136
Sponsor Name	San Augustine County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Construct storm water detention/retention ponds at strategic locations for improved stormwater storage to hold storm water run-off and as a mitigation measure for drought and wildfire.
County	San Augustine
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	533.5
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	90
Population at risk	347	Structures at risk	208	Critical facilities at risk	2
Farm/ranch at risk (acres)	7.31	Impacted roadway miles	46.45		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

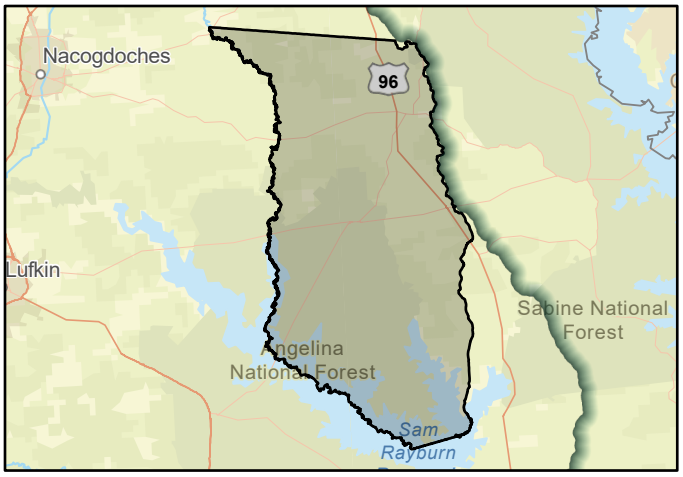
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

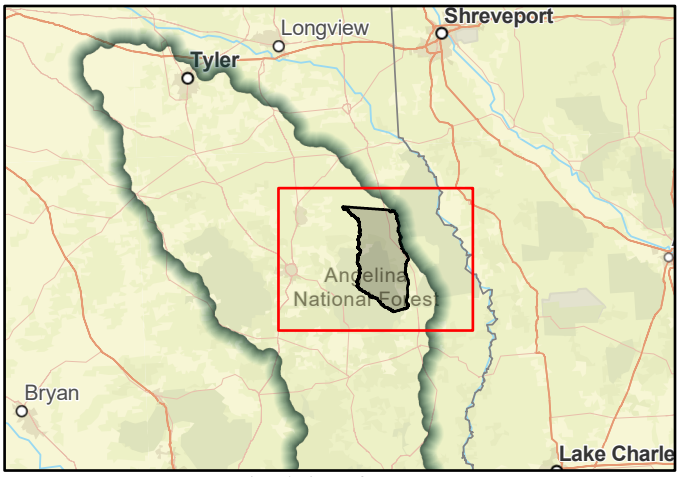
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$3,630,000	Non-recurring, non-capital cost (NRNC)	$105,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of San Augustine and City of Broaddus County Facilities Hazard Hardening Retrofit
FMS ID	05-53-0000000133
Sponsor Entity ID	05-01-0000003487
Sponsor Name	San Augustine (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Construct flood protection, winter storm-hardening, and expansive soils mitigation projects for water distribution networks and wastewater facilities for Cities of Broaddus and San Augustine.
County	San Augustine
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	5.16
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	49
Population at risk	248	Structures at risk	97	Critical facilities at risk	2
Farm/ranch at risk (acres)	0	Impacted roadway miles	3.5		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

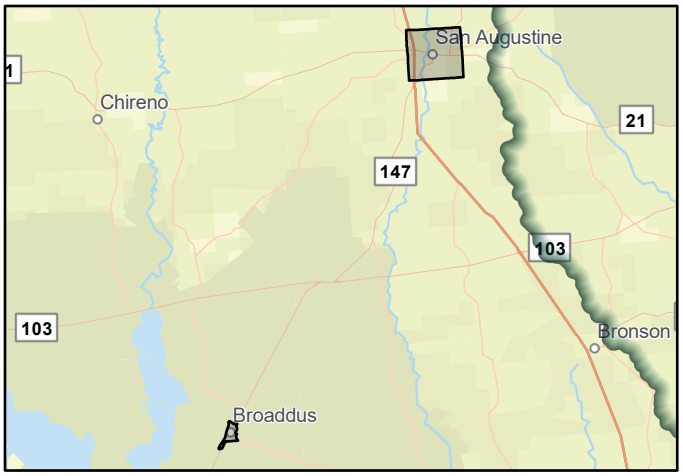
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

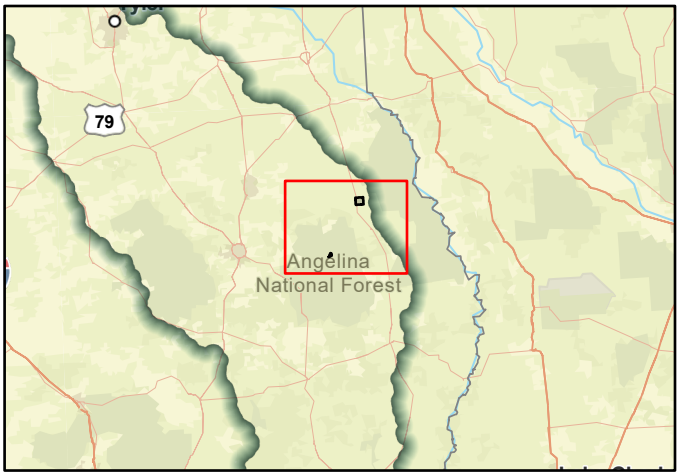
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,210,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Shelby County Detention and Retention Pond Construction
FMS ID	05-53-0000000134
Sponsor Entity ID	00-01-0000000153
Sponsor Name	Shelby County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish a plan and necessary standards to construct storm water detention/retention ponds at strategic locations for improved stormwater storage to hold storm water run-off and as a mitigation measure for drought and wildfire
County	Shelby
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	159.87
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	0
Population at risk	22	Structures at risk	41	Critical facilities at risk	0
Farm/ranch at risk (acres)	7.07	Impacted roadway miles	15.62		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

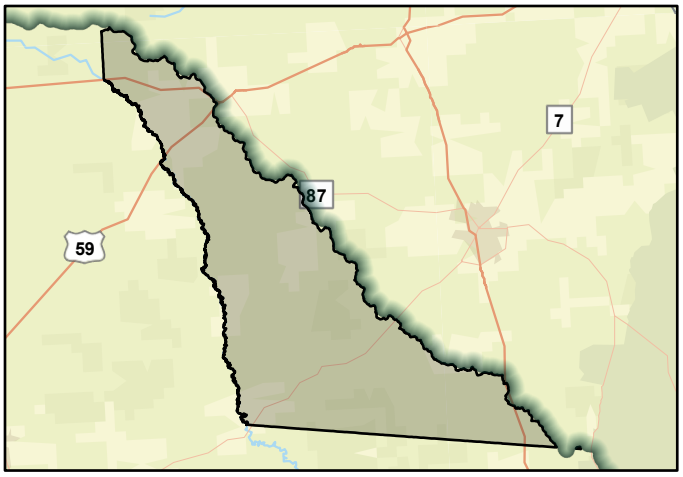
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$3,630,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Shelby County Drainage Upgrades
FMS ID	05-53-0000000135
Sponsor Entity ID	00-01-0000000153
Sponsor Name	Shelby County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish a plan to upgrade stormwater conveyance capacity via drainage improvement projects
County	Shelby
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	159.87
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	0
Population at risk	22	Structures at risk	41	Critical facilities at risk	0
Farm/ranch at risk (acres)	7.07	Impacted roadway miles	15.62		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

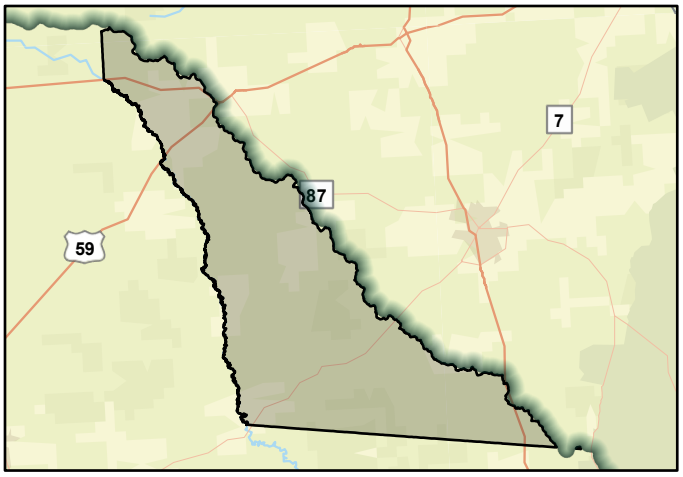
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Shelby County Facilities Hazard Hardening Retrofit
FMS ID	05-53-0000000136
Sponsor Entity ID	00-01-0000000153
Sponsor Name	Shelby County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish a plan to storm-harden and/or retrofit existing and newly constructed critical facilities
County	Shelby
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	159.87
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	0
Population at risk	22	Structures at risk	41	Critical facilities at risk	0
Farm/ranch at risk (acres)	7.07	Impacted roadway miles	15.62		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

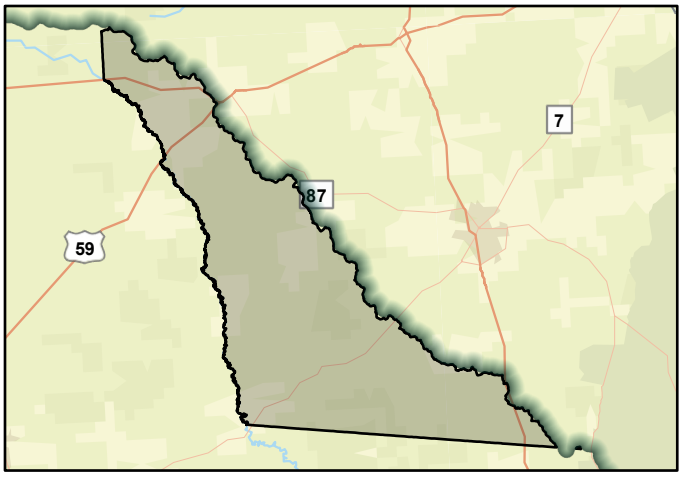
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Shelby County Roadway/Bridge Elevation
FMS ID	05-53-0000000137
Sponsor Entity ID	00-01-0000000153
Sponsor Name	Shelby County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.
County	Shelby
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	159.87
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	0
Population at risk	22	Structures at risk	41	Critical facilities at risk	0
Farm/ranch at risk (acres)	7.07	Impacted roadway miles	15.62		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

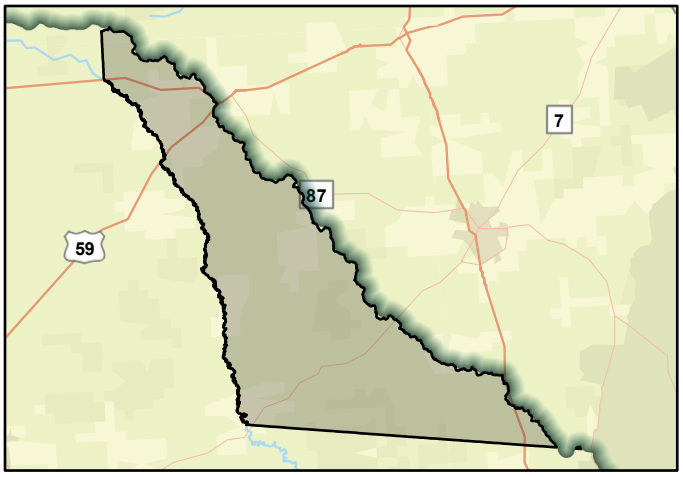
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Tyler Open Channel Improvements
FMS ID	05-53-0000000138
Sponsor Entity ID	00-01-0000003371
Sponsor Name	Tyler (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Implement a program to enclose open channels that are contributing to flooding. Priority locations are: 1) Ashmore subdivision between Ashmore and Salisbury and 2) Fleishel Ave. between 6th and 8th Streets.
County	Smith
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	56.2
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	23	Residential at risk	2,405
Population at risk	23,604	Structures at risk	3,183	Critical facilities at risk	97
Farm/ranch at risk (acres)	0.76	Impacted roadway miles	79.92		
Low water crossings	31	Total historical road closures	31		

100-Year Flood Risk Reduction

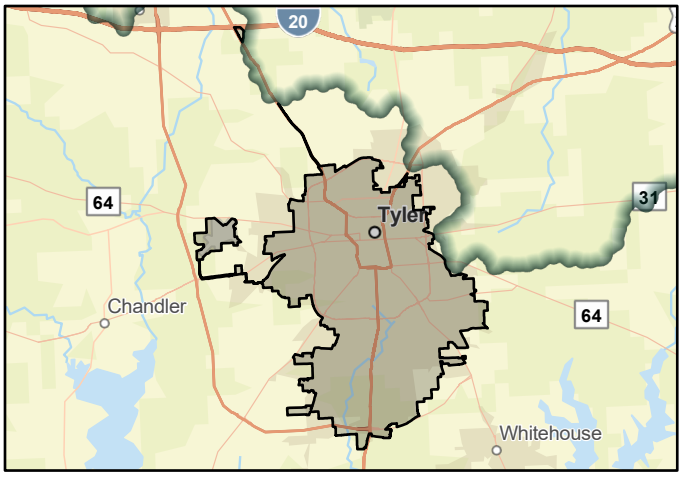
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

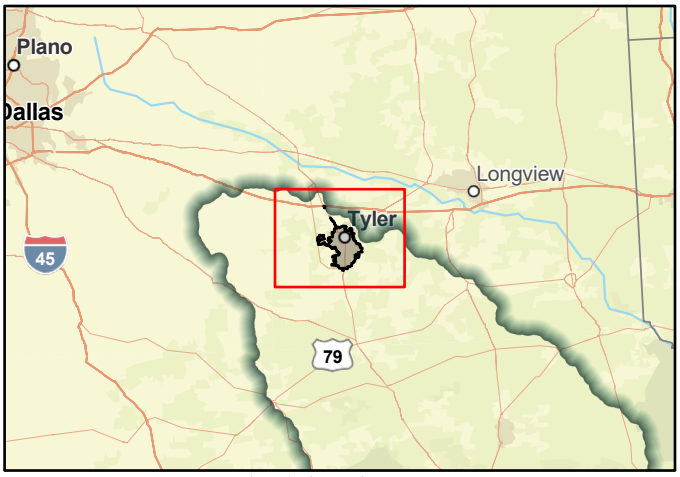
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,815,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Whitehouse Drainage Capacity Upgrades
FMS ID	05-53-0000000139
Sponsor Entity ID	05-01-0000003033
Sponsor Name	Whitehouse (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish a plan to increase stormwater drainage capacity by completing a hydraulic study, evaluating historical water drainage, then constructing needed improvements.
County	Smith
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	5.53
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	142
Population at risk	374	Structures at risk	192	Critical facilities at risk	1
Farm/ranch at risk (acres)	0.67	Impacted roadway miles	3.9		
Low water crossings	2	Total historical road closures	2		

100-Year Flood Risk Reduction

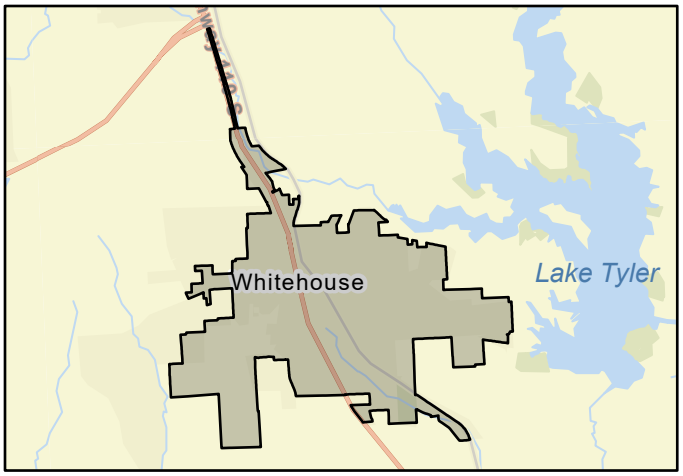
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

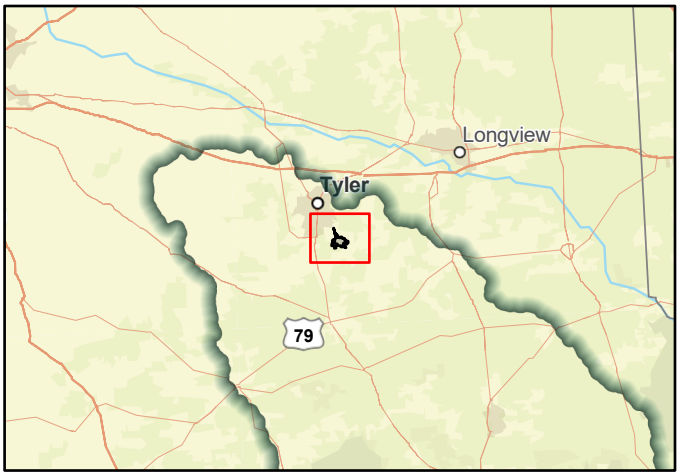
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,210,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Trinity County Flood Infrastructure Upgrades
FMS ID	05-53-0000000140
Sponsor Entity ID	00-01-0000000065
Sponsor Name	Trinity County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Within the county, develop a plan to install/improve culverts and headwalls in addition to expanding stormwater ditches and canals
County	Trinity
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	341.74
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	35
Population at risk	73	Structures at risk	70	Critical facilities at risk	0
Farm/ranch at risk (acres)	31.78	Impacted roadway miles	60.69		
Low water crossings	9	Total historical road closures	9		

100-Year Flood Risk Reduction

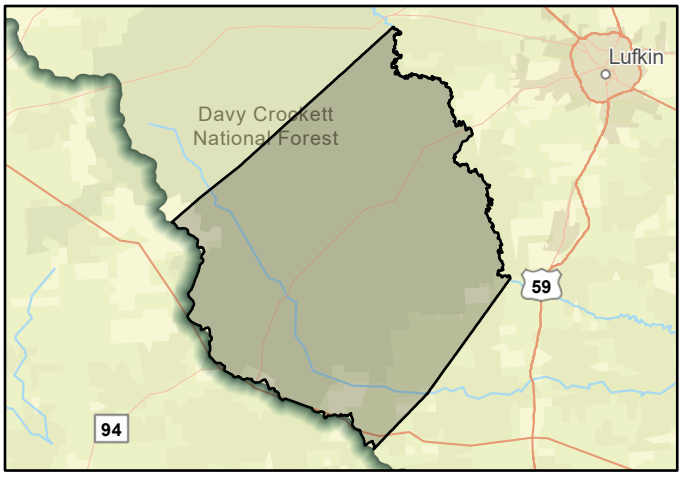
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Trinity County Flood-prone Infrastructure Upgrades
FMS ID	05-53-0000000141
Sponsor Entity ID	00-01-0000000065
Sponsor Name	Trinity County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop a program to upgrade flood infrastructure in the county. May include general roadway elevation upgrading culverts and installing headwalls; upgrades and reinforcement of bridges and bridge footings; etc.
County	Trinity
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	341.74
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	35
Population at risk	73	Structures at risk	70	Critical facilities at risk	0
Farm/ranch at risk (acres)	31.78	Impacted roadway miles	60.69		
Low water crossings	9	Total historical road closures	9		

100-Year Flood Risk Reduction

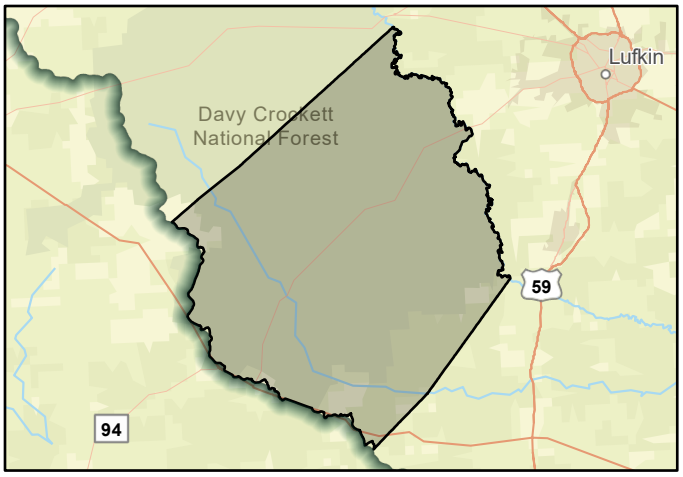
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Groveton Flood Infrastructure Upgrades
FMS ID	05-53-0000000142
Sponsor Entity ID	00-01-0000003580
Sponsor Name	Groveton (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Within the city, develop a plan to install/improve culverts and headwalls in addition to expanding stormwater ditches and canals
County	Trinity
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	0.63
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	2
Population at risk	1	Structures at risk	2	Critical facilities at risk	0
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.01		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

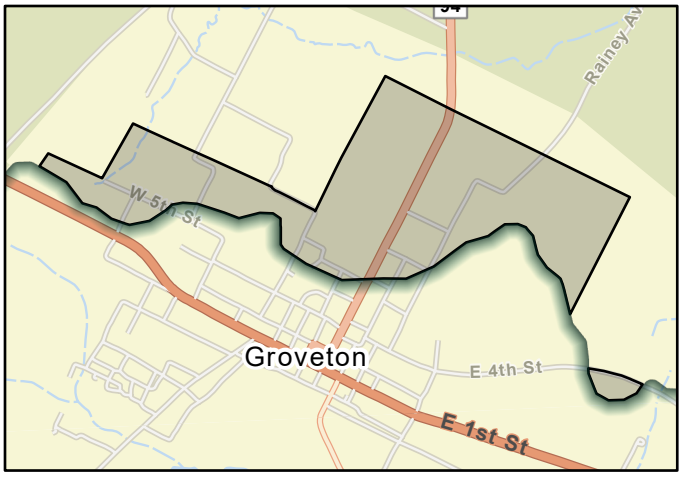
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$907,500	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Van Zandt County Drainage Capacity Upgrades
FMS ID	05-53-0000000143
Sponsor Entity ID	00-01-0000000110
Sponsor Name	Van Zandt County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Establish a plan to increase Drainage Capacity; possible actions include installing French Drains, Building Elevation, and Upgrading Undersized Pipe under State Hwy for Water to Run into Creek.
County	Van Zandt
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	244.01
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	338
Population at risk	476	Structures at risk	569	Critical facilities at risk	1
Farm/ranch at risk (acres)	123.15	Impacted roadway miles	40.22		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

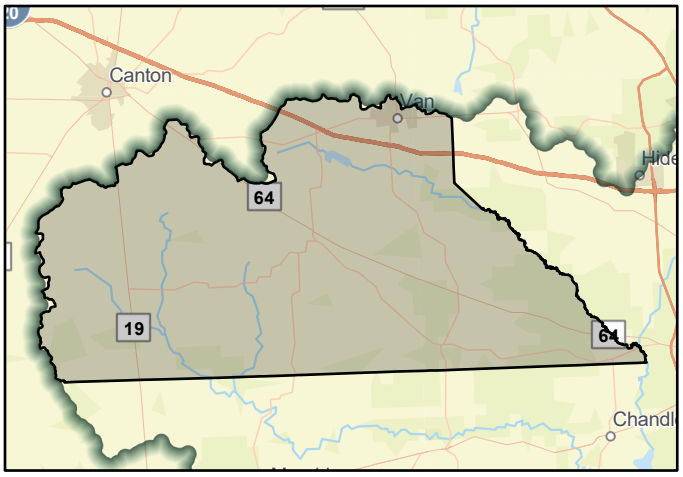
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

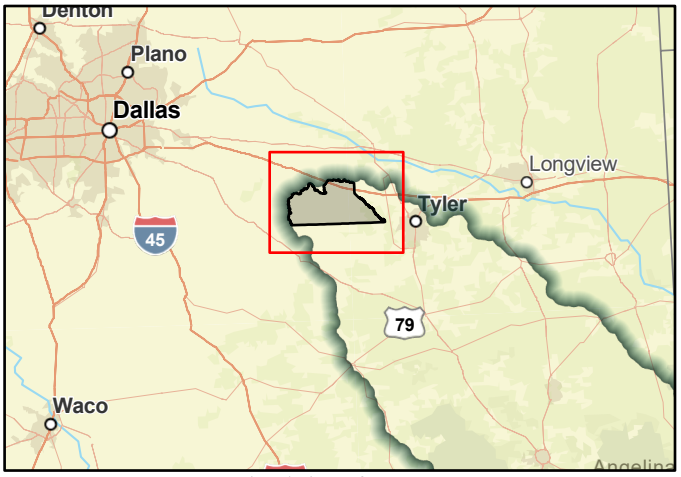
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	Van Zandt County Flood Infrastructure Maintenance
FMS ID	05-53-0000000144
Sponsor Entity ID	00-01-0000000110
Sponsor Name	Van Zandt County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Adopt and Implement a Program for Clearing Debris from Bridges, Drains and Culverts. Reduce damages caused by flooding by maintaining or restoring drainage capacity.
County	Van Zandt
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	244.01
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	338
Population at risk	476	Structures at risk	569	Critical facilities at risk	1
Farm/ranch at risk (acres)	123.15	Impacted roadway miles	40.22		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

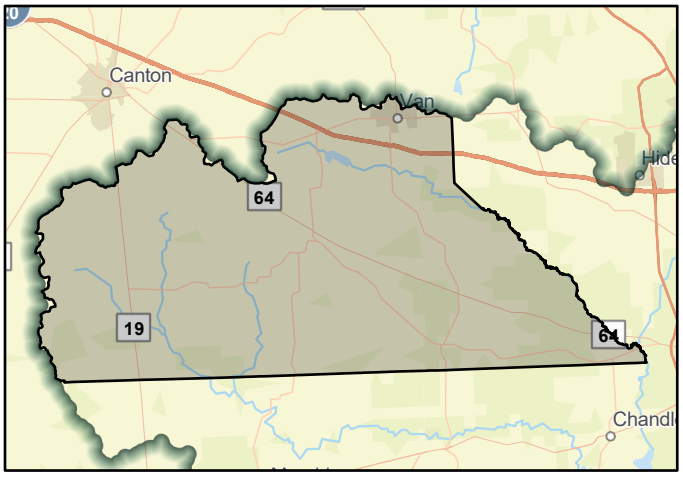
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

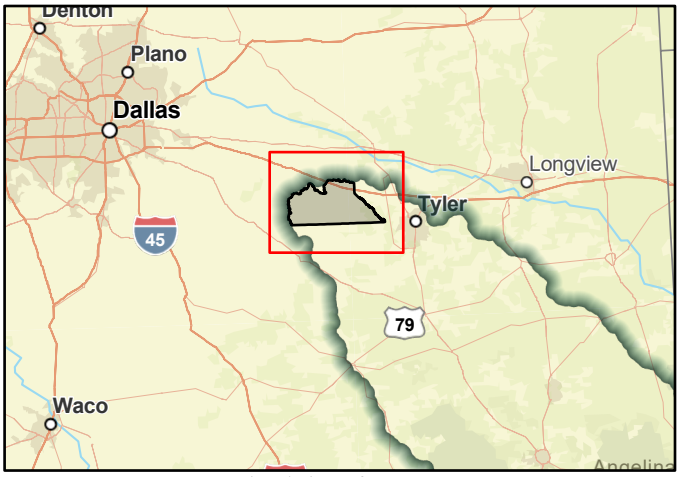
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$26,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	Van Zandt County Road Elevation
FMS ID	05-53-0000000145
Sponsor Entity ID	00-01-0000000110
Sponsor Name	Van Zandt County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Infrastructure Projects
FMS Description	Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.
County	Van Zandt
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Life/Property
Drainage area (Est. sq-mi)	244.01
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	338
Population at risk	476	Structures at risk	569	Critical facilities at risk	1
Farm/ranch at risk (acres)	123.15	Impacted roadway miles	40.22		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

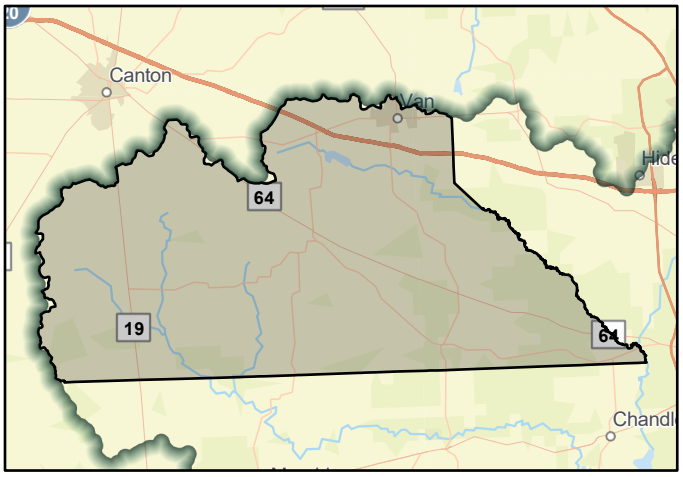
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

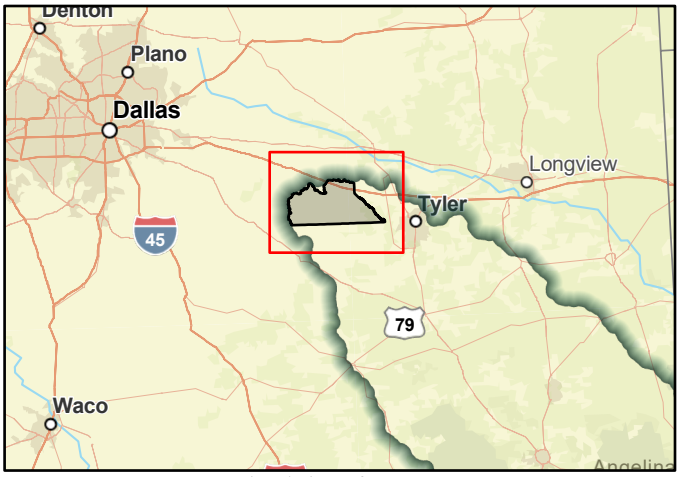
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,420,000	Non-recurring, non-capital cost (NRNC)	$200,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Liberty County Topographical Mapping Update
FMS ID	05-53-0000000146
Sponsor Entity ID	00-01-0000000033
Sponsor Name	Liberty County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Other
FMS Description	Purchase updated topographical maps/complete LiDAR aerial survey for drainage plan.
County	Liberty
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	235.49
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	3	Residential at risk	515
Population at risk	999	Structures at risk	757	Critical facilities at risk	9
Farm/ranch at risk (acres)	3,795.89	Impacted roadway miles	36.89		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

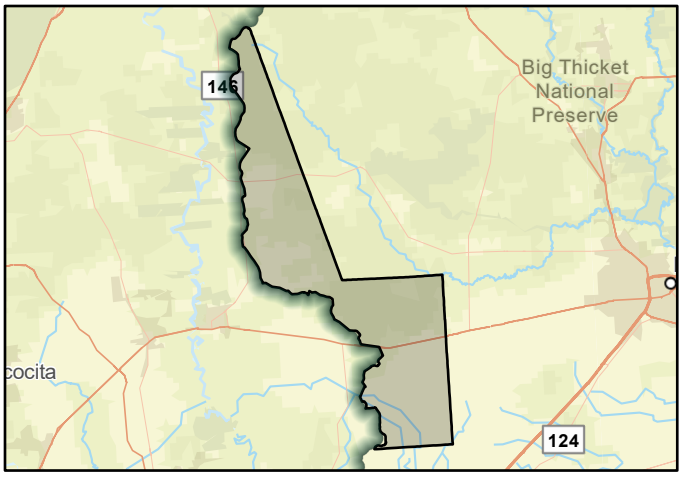
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$129,470	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Liberty County Drainage District Multi-County Coordination
FMS ID	05-53-0000000147
Sponsor Entity ID	00-01-0000002236
Sponsor Name	Liberty County Drainage District (Flood District)
RFPG Recommend?	No
Reason for Recommendation	Defer to Trinity Region

FMS Details

FMS Type	Other
FMS Description	Work with adjoining counties regarding flood and drainage issues.
County	Liberty
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	235.49
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	3	Residential at risk	515
Population at risk	999	Structures at risk	757	Critical facilities at risk	9
Farm/ranch at risk (acres)	3,795.89	Impacted roadway miles	36.89		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

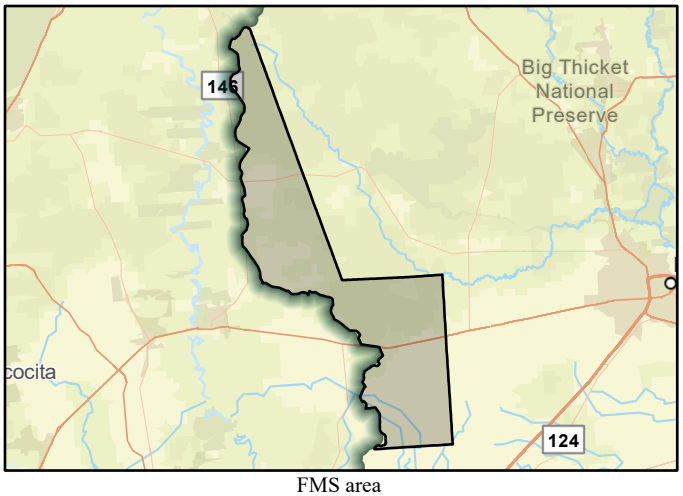
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

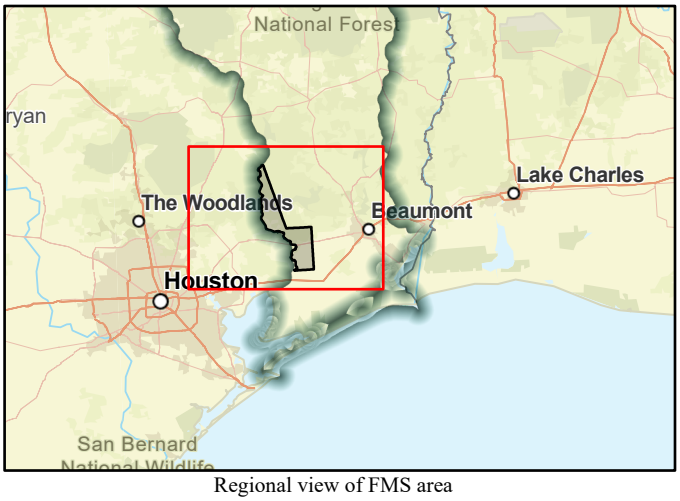
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$60,500	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	SE Texas R.A.I.N. Gage Network Improvements
FMS ID	05-53-0000000148
Sponsor Entity ID	00-01-0000000013
Sponsor Name	Chambers County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Re-location and installation of rain and stream gages throughout jurisdiction.
County	Multiple
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	270.57
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	2,049
Population at risk	4,861	Structures at risk	3,786	Critical facilities at risk	7
Farm/ranch at risk (acres)	36,859.02	Impacted roadway miles	131.55		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

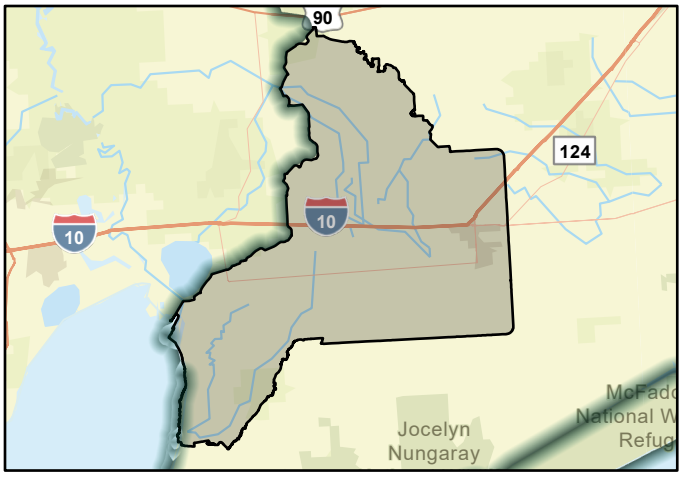
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Will provide for more accurate flood forecasting.			Residential removed	0

Impacts

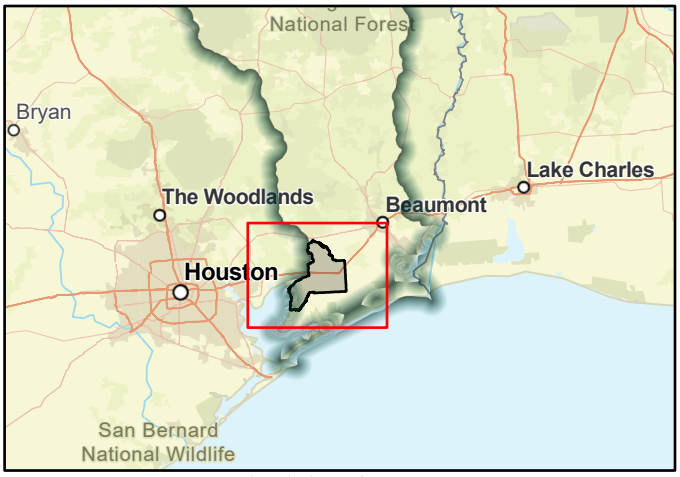
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$444,375	Non-recurring, non-capital cost (NRNC)	$444,375	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Community Rating System
FMS ID	05-53-0000000149
Sponsor Entity ID	00-01-0000000013
Sponsor Name	Chambers County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Join the Community Rating System to reduce flood insurance premiums and flood risk for residents.
County	Chambers
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	434.46
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	2,138
Population at risk	5,041	Structures at risk	4,006	Critical facilities at risk	7
Farm/ranch at risk (acres)	59,127.27	Impacted roadway miles	211.29		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

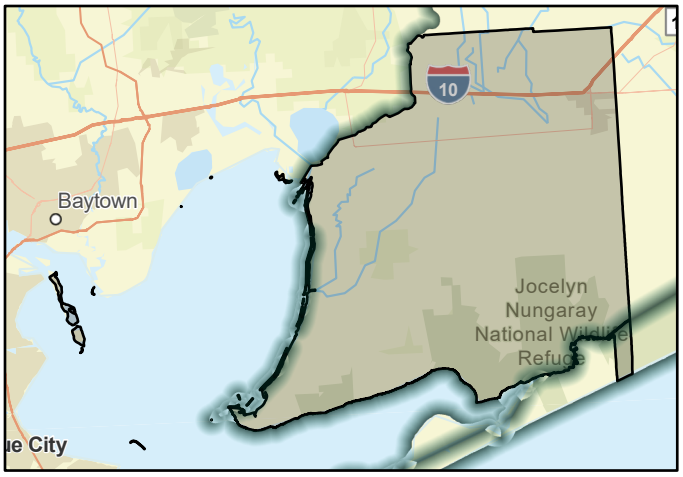
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$69,022	Non-recurring, non-capital cost (NRNC)	$69,022	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Flood Model and Map Management System
FMS ID	05-53-0000000150
Sponsor Entity ID	00-01-0000000013
Sponsor Name	Chambers County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Develop and implement a web-based system to manage flood models and mapping and regulate future development.
County	Chambers
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	434.46
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	2,138
Population at risk	5,041	Structures at risk	4,006	Critical facilities at risk	7
Farm/ranch at risk (acres)	59,127.27	Impacted roadway miles	211.29		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

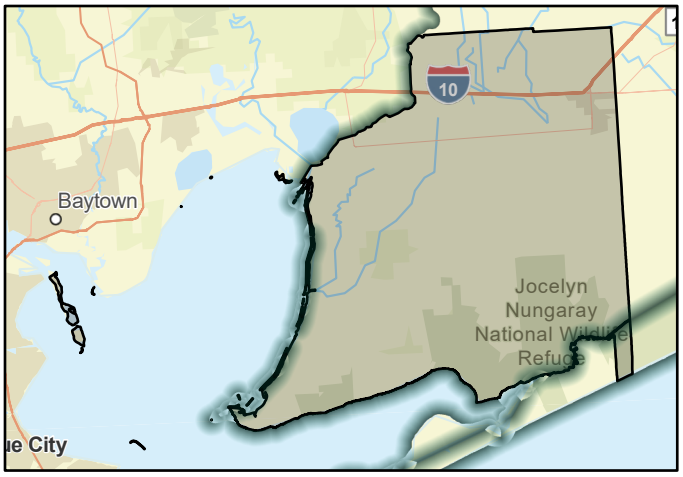
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Will serve to deter future development within the floodplain.			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$345,111	Non-recurring, non-capital cost (NRNC)	$345,111	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Chambers County Property Acquisition
FMS ID	05-53-0000000151
Sponsor Entity ID	00-01-0000000013
Sponsor Name	Chambers County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Develop and implement a web-based system to manage flood models and mapping and regulate future development.
County	Chambers
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	434.46
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	2,138
Population at risk	5,041	Structures at risk	4,006	Critical facilities at risk	7
Farm/ranch at risk (acres)	59,127.27	Impacted roadway miles	211.29		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

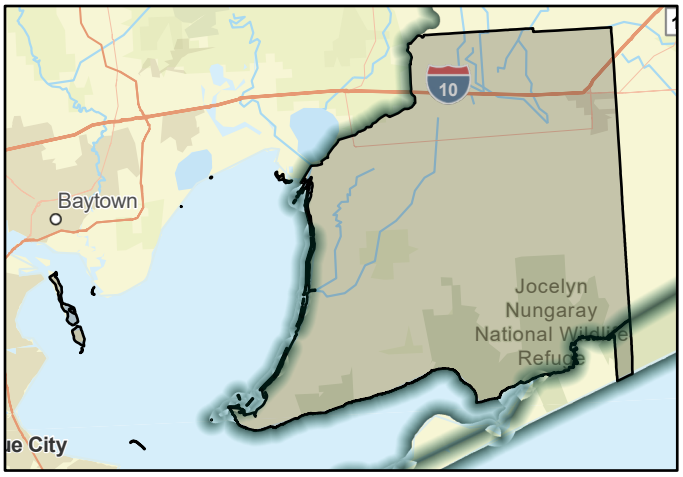
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk and Preservation of Natural Floodplain			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$3,451,110	Non-recurring, non-capital cost (NRNC)	$500,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Chambers County Drainage Criteria Manual Update
FMS ID	05-53-0000000152
Sponsor Entity ID	00-01-0000000013
Sponsor Name	Chambers County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	Update Drainage Criteria Manual for the County to minimize and eliminate the possibility of future development adversely impacting downstream communities.
County	Chambers
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	434.46
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	2,138
Population at risk	5,041	Structures at risk	4,006	Critical facilities at risk	7
Farm/ranch at risk (acres)	59,127.27	Impacted roadway miles	211.29		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

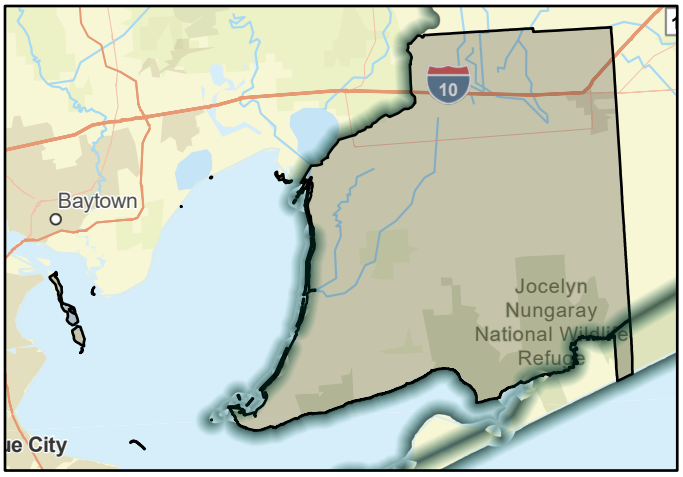
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Will serve to deter future development within the floodplain and prevent future flood risk.			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$150,000	Non-recurring, non-capital cost (NRNC)	$150,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Vidor Flood Insurance Education Program
FMS ID	05-53-0000000153
Sponsor Entity ID	00-01-0000000027
Sponsor Name	Orange County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	Conduct program to educate residents on the details and availability of flood insurance.
County	Orange
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	10.3
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	47	Residential at risk	1,517
Population at risk	5,419	Structures at risk	1,866	Critical facilities at risk	51
Farm/ranch at risk (acres)	0.41	Impacted roadway miles	41.14		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

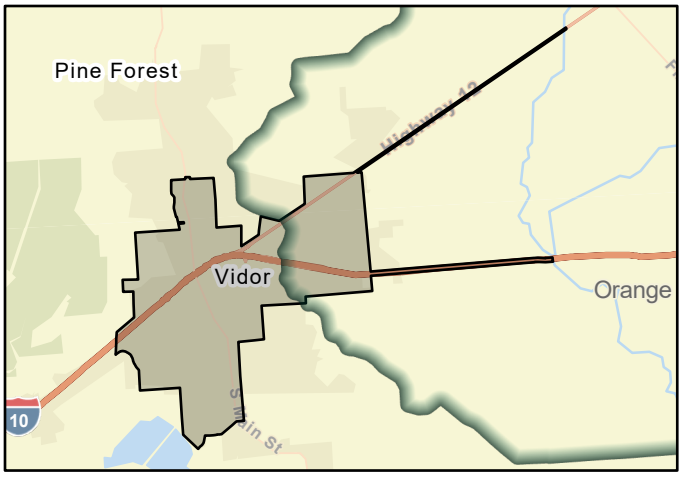
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$50,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Vidor Flood Preparedness Education Program
FMS ID	05-53-0000000154
Sponsor Entity ID	00-01-0000000027
Sponsor Name	Orange County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Education and Outreach
FMS Description	The City will provide public education on the dangers of flash flooding, and to inform residents of mitigation actions to reduce risk to citizens, public infrastructure, private property owners, businesses and schools.
County	Orange
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	10.3
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	47	Residential at risk	1,517
Population at risk	5,419	Structures at risk	1,866	Critical facilities at risk	51
Farm/ranch at risk (acres)	0.41	Impacted roadway miles	41.14		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

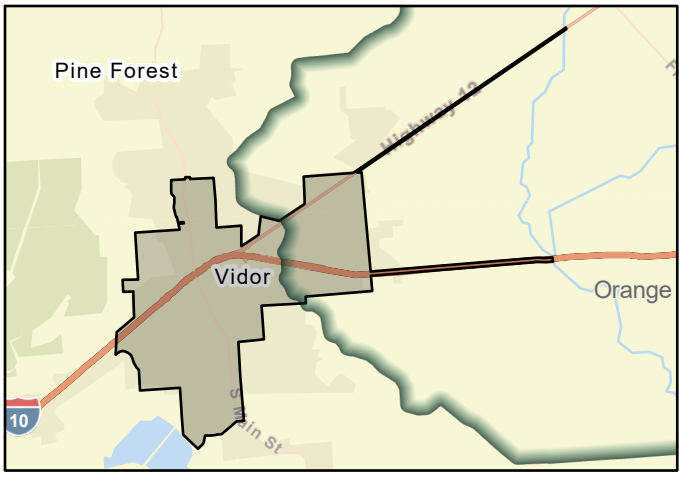
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$50,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Vidor Flood Property Acquisition & Buyout
FMS ID	05-53-0000000155
Sponsor Entity ID	00-01-0000000027
Sponsor Name	Orange County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Voluntary acquisition of repetitive and severe repetitive loss properties in Vidor.
County	Orange
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	10.3
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	47	Residential at risk	1,517
Population at risk	5,419	Structures at risk	1,866	Critical facilities at risk	51
Farm/ranch at risk (acres)	0.41	Impacted roadway miles	41.14		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

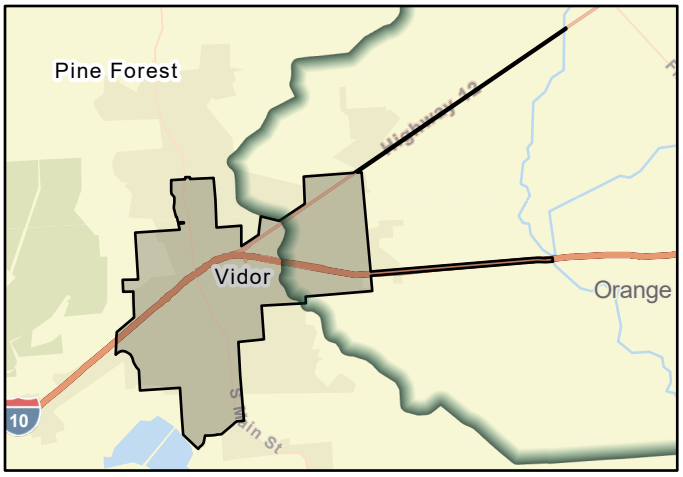
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$5,000,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Vidor Demolition and Clearance of Flood Damaged Commerical Structures
FMS ID	05-53-0000000156
Sponsor Entity ID	00-01-0000000027
Sponsor Name	Orange County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Demolition and clearance of flood damaged commerical structures within the City of Vidor.
County	Orange
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	10.3
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	47	Residential at risk	1,517
Population at risk	5,419	Structures at risk	1,866	Critical facilities at risk	51
Farm/ranch at risk (acres)	0.41	Impacted roadway miles	41.14		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

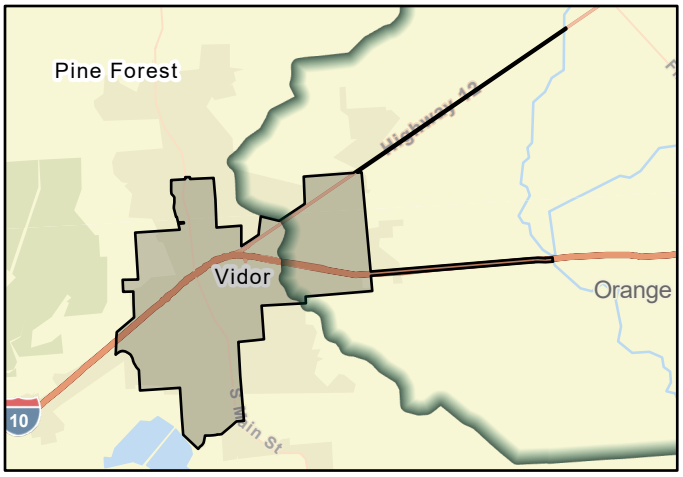
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$5,000,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Vidor Flood Property Elevation
FMS ID	05-53-0000000157
Sponsor Entity ID	00-01-0000000027
Sponsor Name	Orange County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Voluntary elevation of repetitive and severe repetitive loss properties in Vidor.
County	Orange
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	10.3
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	47	Residential at risk	1,517
Population at risk	5,419	Structures at risk	1,866	Critical facilities at risk	51
Farm/ranch at risk (acres)	0.41	Impacted roadway miles	41.14		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

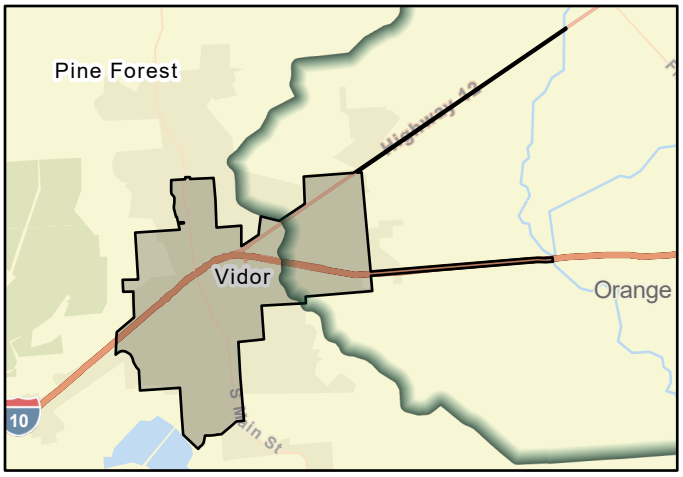
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$5,000,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Jefferson County Property Acquisition
FMS ID	05-53-0000000158
Sponsor Entity ID	05-01-0000000025
Sponsor Name	Jefferson County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Acquisition/buy-out to acquire and demolish flood-prone properties that are deemed repetitive and severe loss properties
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	954.14
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	256	Residential at risk	54,325
Population at risk	164,079	Structures at risk	65,759	Critical facilities at risk	2,012
Farm/ranch at risk (acres)	53,719.25	Impacted roadway miles	1,295.17		
Low water crossings	126	Total historical road closures	126		

100-Year Flood Risk Reduction

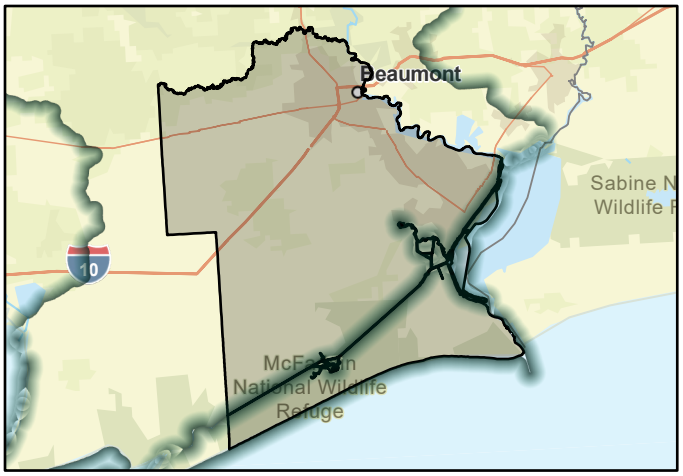
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$10,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Beaumont Structure Elevation at Pine Island Bayou and Neches River
FMS ID	05-53-0000000159
Sponsor Entity ID	05-01-0000002769
Sponsor Name	Beaumont (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Elevation of flood prone structures in Beaumont to at least 18" above BFE, consistent with the City's floodplain ordinance. The properties are located along the Pine Island Bayou, Neches River and varying locations.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	84.9
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	145	Residential at risk	20,668
Population at risk	91,534	Structures at risk	24,541	Critical facilities at risk	192
Farm/ranch at risk (acres)	237.32	Impacted roadway miles	521.11		
Low water crossings	38	Total historical road closures	38		

100-Year Flood Risk Reduction

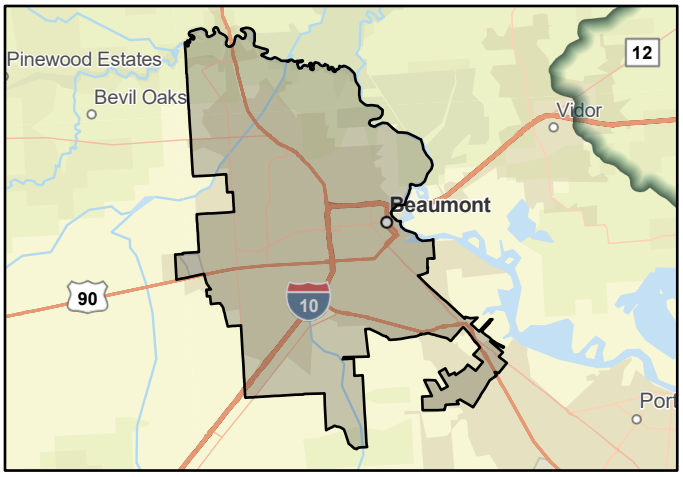
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$10,000,000	Non-recurring, non-capital cost (NRNC)	$500,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Beaumont Elevating Flood Prone Structures and Electrical Equipment
FMS ID	05-53-0000000160
Sponsor Entity ID	05-01-0000002769
Sponsor Name	Beaumont (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Acquire or elevate flood prone structures throughout the City of Beaumont with an emphasis on Repetitive Loss properties. Elevate flood prone structures and key infrastructure and electrical equipment throughout the City of Beaumont.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	84.9
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	145	Residential at risk	20,668
Population at risk	91,534	Structures at risk	24,541	Critical facilities at risk	192
Farm/ranch at risk (acres)	237.32	Impacted roadway miles	521.11		
Low water crossings	38	Total historical road closures	38		

100-Year Flood Risk Reduction

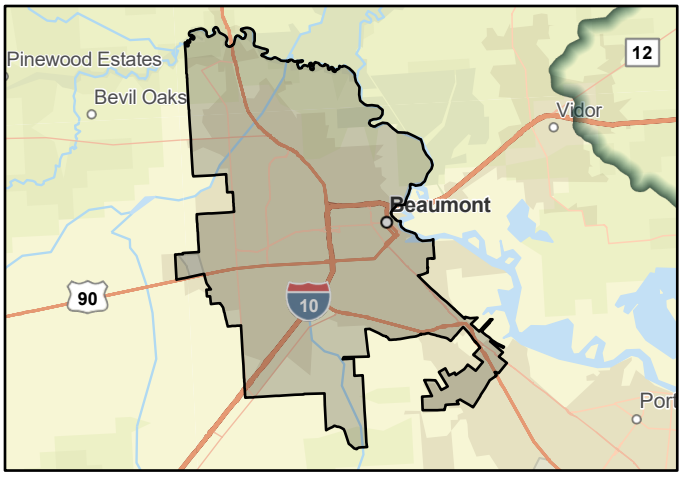
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$6,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Bevil Oaks Structure Elevation
FMS ID	05-53-0000000161
Sponsor Entity ID	05-01-0000003085
Sponsor Name	Bevil Oaks (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Elevation and/or flood mitigation measures to flood prone structures throughout the City with an emphasis on current Repetitive Loss and Severe Repetitive Loss properties.
County	Jefferson
Associated FME's	-
Associated FMP's	05-52-0000000050,05-52-0000000052
Emergency Need?	No
If yes, describe Emergency Need	-
Drainage area (Est. sq-mi)	2.06
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	464
Population at risk	721	Structures at risk	506	Critical facilities at risk	1
Farm/ranch at risk (acres)	3.72	Impacted roadway miles	8.82		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

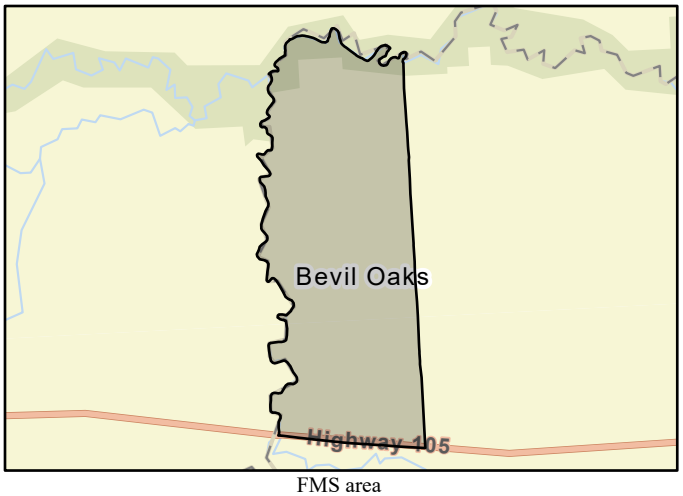
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$100,000	Non-recurring, non-capital cost (NRNC)	$50,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Bevil Oaks Property Acquisition
FMS ID	05-53-0000000162
Sponsor Entity ID	05-01-0000003085
Sponsor Name	Bevil Oaks (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Conduct acquisition / Buy-out of flood prone structures throughout the City with an emphasis on current Repetitive Loss and Severe Repetitive Loss properties.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	No
If yes, describe Emergency Need	-
Drainage area (Est. sq-mi)	2.06
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	464
Population at risk	721	Structures at risk	506	Critical facilities at risk	1
Farm/ranch at risk (acres)	3.72	Impacted roadway miles	8.82		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$5,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of China Property Acquisition
FMS ID	05-53-0000000163
Sponsor Entity ID	05-01-0000002839
Sponsor Name	China (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Acquisition / Buy-out: Acquire and demolish floodprone properties that are deemed Repetitive and Severe Repetitive Loss properties.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	No
If yes, describe Emergency Need	-
Drainage area (Est. sq-mi)	1.29
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	273
Population at risk	593	Structures at risk	308	Critical facilities at risk	1
Farm/ranch at risk (acres)	22.06	Impacted roadway miles	2.22		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

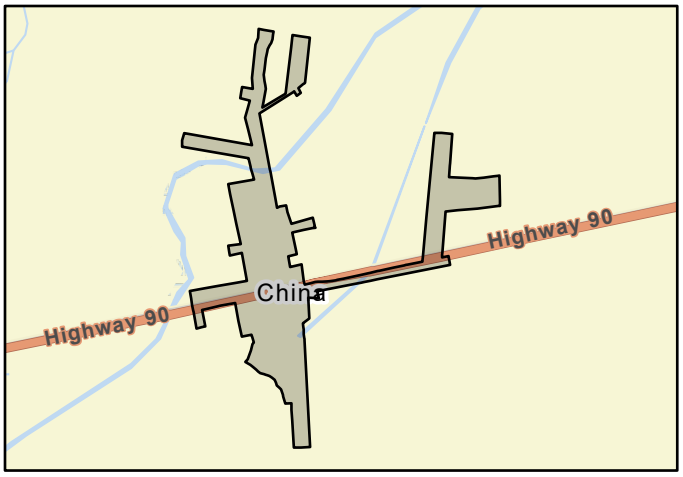
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,000,000	Non-recurring, non-capital cost (NRNC)	$250,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of China Structure Elevation
FMS ID	05-53-0000000164
Sponsor Entity ID	05-01-0000002839
Sponsor Name	China (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Conduct elevation of new and existing flood prone structures and infrastructures.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	No
If yes, describe Emergency Need	-
Drainage area (Est. sq-mi)	1.29
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	273
Population at risk	593	Structures at risk	308	Critical facilities at risk	1
Farm/ranch at risk (acres)	22.06	Impacted roadway miles	2.22		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

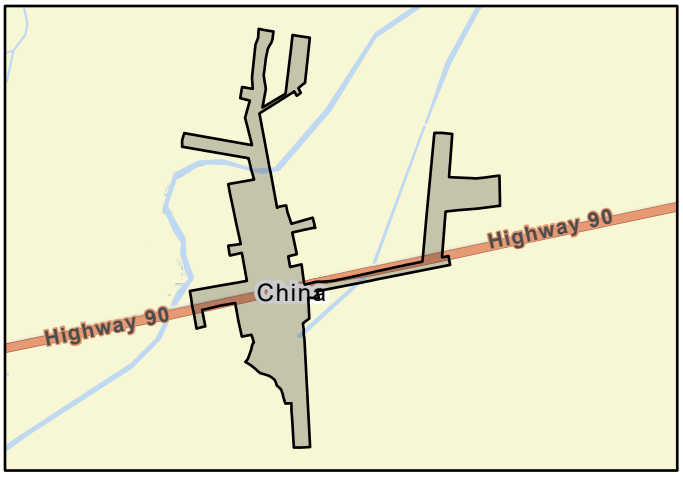
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$100,000	Non-recurring, non-capital cost (NRNC)	$100,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Groves Property Acquisition
FMS ID	05-53-0000000165
Sponsor Entity ID	05-01-0000002840
Sponsor Name	Groves (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Acquisition / Buy-out: Acquire and demolish floodprone properties that are deemed Repetitive and Severe Repetitive Loss properties.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	5.18
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	2	Residential at risk	4,181
Population at risk	9,021	Structures at risk	4,461	Critical facilities at risk	16
Farm/ranch at risk (acres)	0.64	Impacted roadway miles	45.6		
Low water crossings	5	Total historical road closures	5		

100-Year Flood Risk Reduction

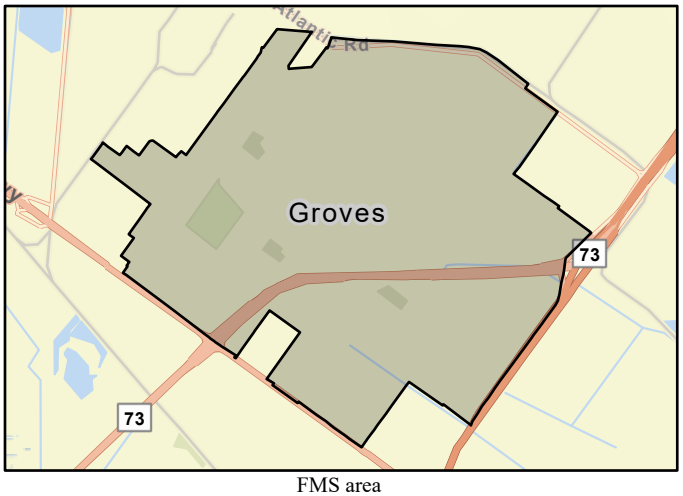
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

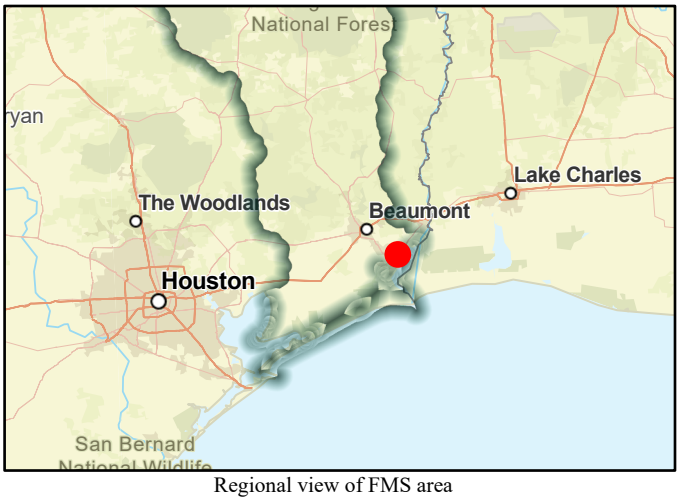
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$5,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Groves Structure Elevation
FMS ID	05-53-0000000166
Sponsor Entity ID	05-01-0000002840
Sponsor Name	Groves (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Conduct elevation of new and existing flood prone structures and infrastructures.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	5.18
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	2	Residential at risk	4,181
Population at risk	9,021	Structures at risk	4,461	Critical facilities at risk	16
Farm/ranch at risk (acres)	0.64	Impacted roadway miles	45.6		
Low water crossings	5	Total historical road closures	5		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$5,000,000	Non-recurring, non-capital cost (NRNC)	$500,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Port Arthur Property Acquisition
FMS ID	05-53-0000000167
Sponsor Entity ID	05-01-0000003087
Sponsor Name	Port Arthur (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Conduct acquisition / Buy-out of flood prone structures throughout the City with an emphasis on current Repetitive Loss and Severe Repetitive Loss properties.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	91.28
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	74	Residential at risk	17,269
Population at risk	44,779	Structures at risk	20,079	Critical facilities at risk	224
Farm/ranch at risk (acres)	278.91	Impacted roadway miles	363.88		
Low water crossings	23	Total historical road closures	23		

100-Year Flood Risk Reduction

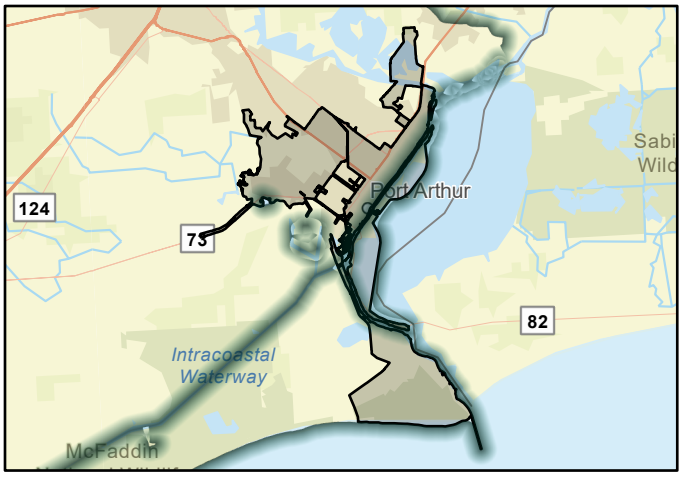
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$5,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Port Arthur Structure Elevation
FMS ID	05-53-0000000168
Sponsor Entity ID	05-01-0000003087
Sponsor Name	Port Arthur (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Elevate flood prone properties/structures and key infrastructure and electrical equipment throughout the City of Port Arthur.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	91.28
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	74	Residential at risk	17,269
Population at risk	44,779	Structures at risk	20,079	Critical facilities at risk	224
Farm/ranch at risk (acres)	278.91	Impacted roadway miles	363.88		
Low water crossings	23	Total historical road closures	23		

100-Year Flood Risk Reduction

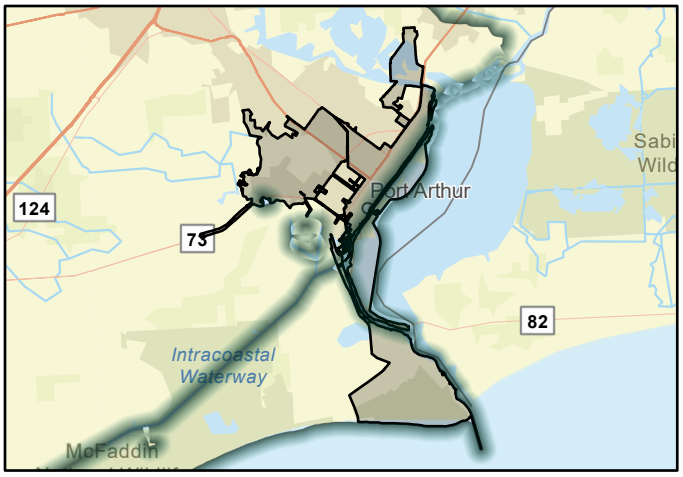
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$5,000,000	Non-recurring, non-capital cost (NRNC)	$500,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Port Neches Property Acquisition		
FMS ID	05-53-0000000169	Sponsor Entity ID	05-01-0000003088
Sponsor Name	Port Neches (Municipality)		
RFPG Recommend?	Yes	Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Conduct acquisition / Buy-out of flood prone structures throughout the City with an emphasis on current Repetitive Loss and Severe Repetitive Loss properties.

County	Jefferson	Associated FME's	-	Associated FMP's	-
Emergency Need?	Yes	If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities		
Drainage area (Est. sq-mi)	9.09	Assumptions/Relevant Context	N/A		

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	3	Residential at risk	2,616
Population at risk	6,005	Structures at risk	2,919	Critical facilities at risk	69
Farm/ranch at risk (acres)	4.46	Impacted roadway miles	41.93		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

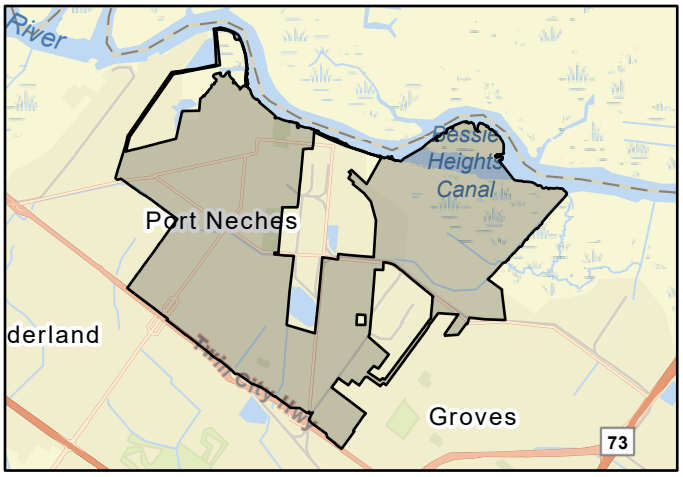
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$5,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Port Neches Structure Elevation		
FMS ID	05-53-0000000170	Sponsor Entity ID	05-01-0000003088
Sponsor Name	Port Neches (Municipality)		
RFPG Recommend?	Yes	Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Elevate flood prone properties/structures and infrastructure with City.

County	Jefferson	Associated FME's	-	Associated FMP's	-
Emergency Need?	Yes	If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities		
Drainage area (Est. sq-mi)	9.09	Assumptions/Relevant Context	N/A		

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	3	Residential at risk	2,616
Population at risk	6,005	Structures at risk	2,919	Critical facilities at risk	69
Farm/ranch at risk (acres)	4.46	Impacted roadway miles	41.93		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

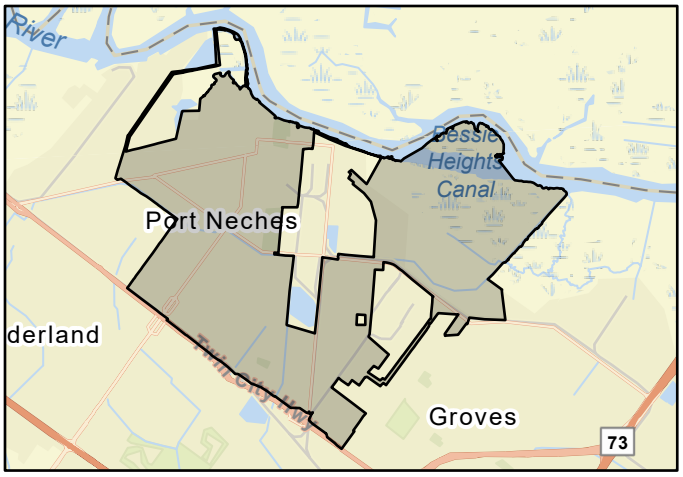
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$5,000,000	Non-recurring, non-capital cost (NRNC)	$500,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	SETRPC Property Acquisition
FMS ID	05-53-0000000171
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

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Acquisition / Buy-out: Acquire and demolish floodprone properties that are deemed Repetitive and Severe Repetitive Loss properties.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	1,997.55
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	364	Residential at risk	65,491
Population at risk	187,337	Structures at risk	80,089	Critical facilities at risk	2,167
Farm/ranch at risk (acres)	54,981	Impacted roadway miles	1,787.82		
Low water crossings	172	Total historical road closures	172		

100-Year Flood Risk Reduction

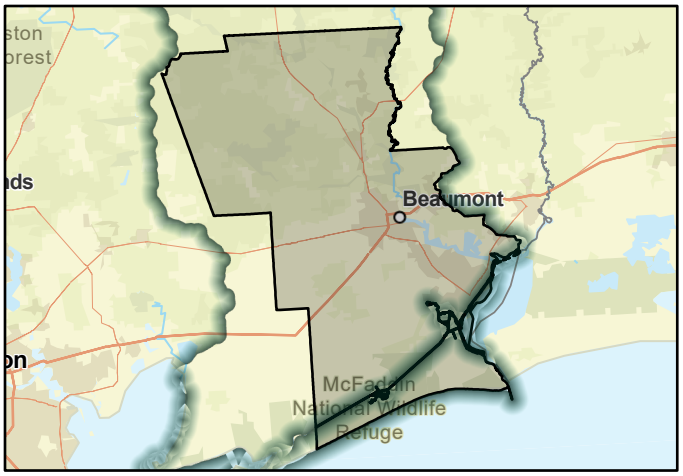
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$10,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	SETRPC Structure Elevation
FMS ID	05-53-0000000172
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

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Conduct elevation of new and existing flood prone structures and infrastructures.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	1,997.55
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	364	Residential at risk	65,491
Population at risk	187,337	Structures at risk	80,089	Critical facilities at risk	2,167
Farm/ranch at risk (acres)	54,981	Impacted roadway miles	1,787.82		
Low water crossings	172	Total historical road closures	172		

100-Year Flood Risk Reduction

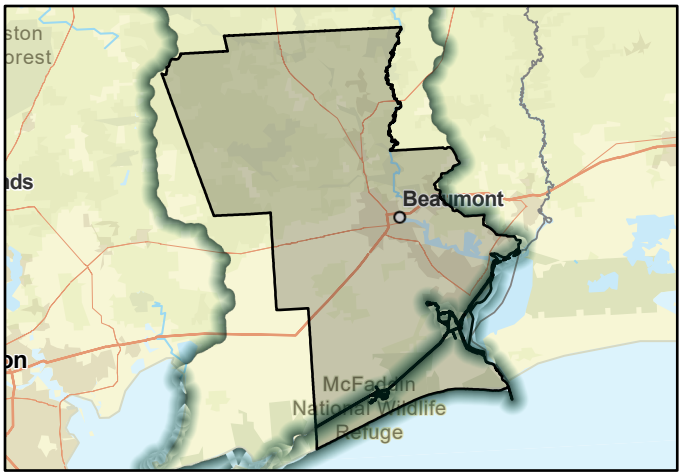
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,000,000	Non-recurring, non-capital cost (NRNC)	$500,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Orange County Property Acquisition		
FMS ID	05-53-0000000173	Sponsor Entity ID	00-01-0000000027
Sponsor Name	Orange County (County)		
RFPG Recommend?	No	Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Acquisition/Buy-out: Acquire and demolish floodprone properties that are deemed Repetitive and properties that are deemed repetitive and severe repetitive loss properties

County	Orange	Associated FME's	-	Associated FMP's	-
Emergency Need?	Yes	If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities		
Drainage area (Est. sq-mi)	155.72	Assumptions/Relevant Context	N/A		

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	55	Residential at risk	7,032
Population at risk	14,367	Structures at risk	8,194	Critical facilities at risk	96
Farm/ranch at risk (acres)	240.89	Impacted roadway miles	207.02		
Low water crossings	26	Total historical road closures	26		

100-Year Flood Risk Reduction

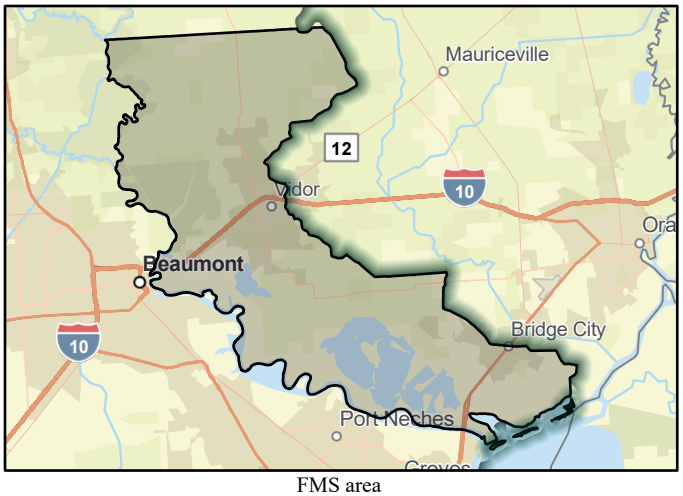
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$10,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Orange County Structure Elevation
FMS ID	05-53-0000000174
Sponsor Entity ID	00-01-0000000027
Sponsor Name	Orange County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Conduct elevation of new and existing flood prone structures and infrastructures.
County	Orange
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	155.72
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	55	Residential at risk	7,032
Population at risk	14,367	Structures at risk	8,194	Critical facilities at risk	96
Farm/ranch at risk (acres)	240.89	Impacted roadway miles	207.02		
Low water crossings	26	Total historical road closures	26		

100-Year Flood Risk Reduction

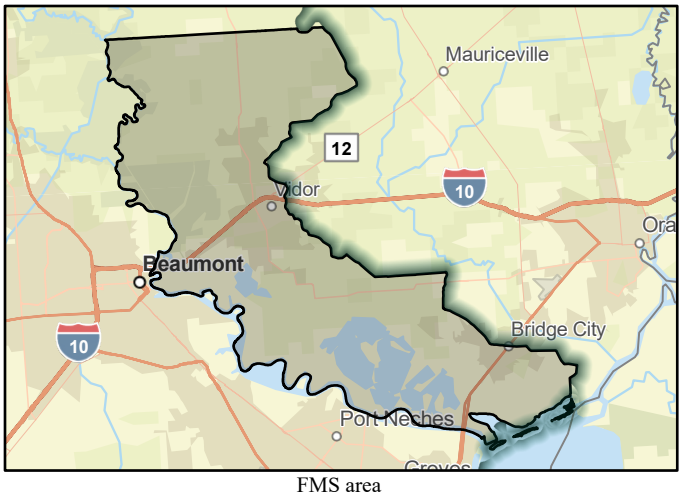
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,000,000	Non-recurring, non-capital cost (NRNC)	$500,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Bridge City Property Acquisition		
FMS ID	05-53-0000000175	Sponsor Entity ID	00-01-0000002919
Sponsor Name	Bridge City (Municipality)		
RFPG Recommend?	Yes	Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Conduct acquisition/Buy-out, elevation, or flood mitigation with County for flood-prone properties that are deemed repetitive or severe repetitive loss properties

County	Orange	Associated FME's	-	Associated FMP's	-
Emergency Need?	Yes	If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities		
Drainage area (Est. sq-mi)	4.94	Assumptions/Relevant Context	N/A		

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	6	Residential at risk	1,727
Population at risk	3,546	Structures at risk	2,000	Critical facilities at risk	6
Farm/ranch at risk (acres)	1.65	Impacted roadway miles	41.87		
Low water crossings	1	Total historical road closures	1		

100-Year Flood Risk Reduction

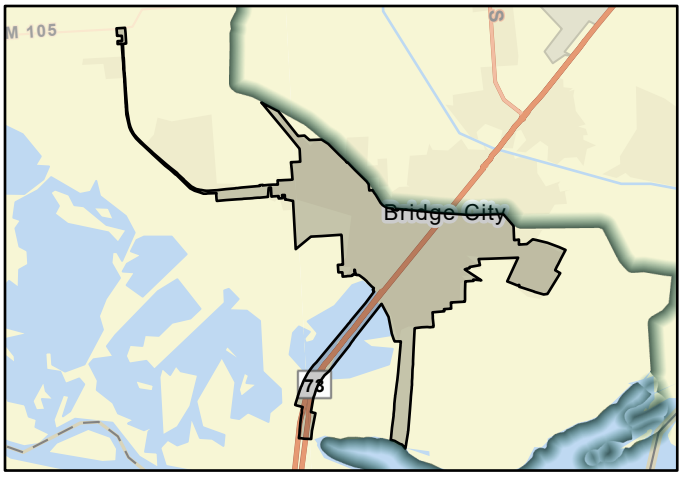
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$5,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Pine Forest Property Acquisition
FMS ID	05-53-0000000176
Sponsor Entity ID	05-01-0000003016
Sponsor Name	Pine Forest (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Conduct acquisition/Buy-out, elevation, and/or flood mitigation with County for flood-prone properties that are deemed repetitive and severe repetitive loss properties
County	Orange
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	2.82
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	213
Population at risk	422	Structures at risk	227	Critical facilities at risk	1
Farm/ranch at risk (acres)	0	Impacted roadway miles	5.88		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

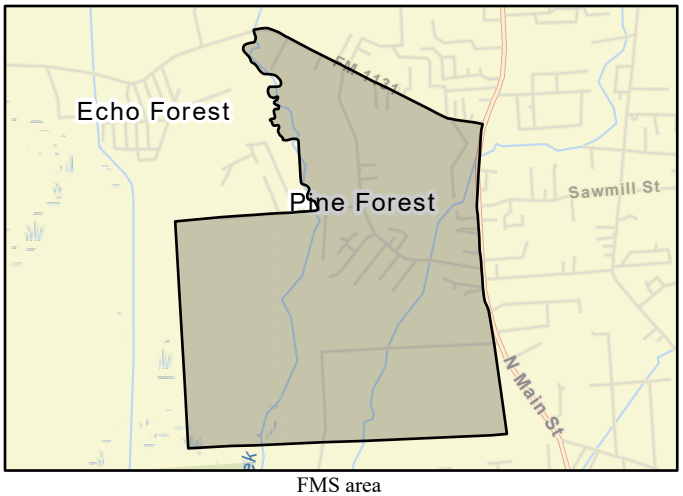
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

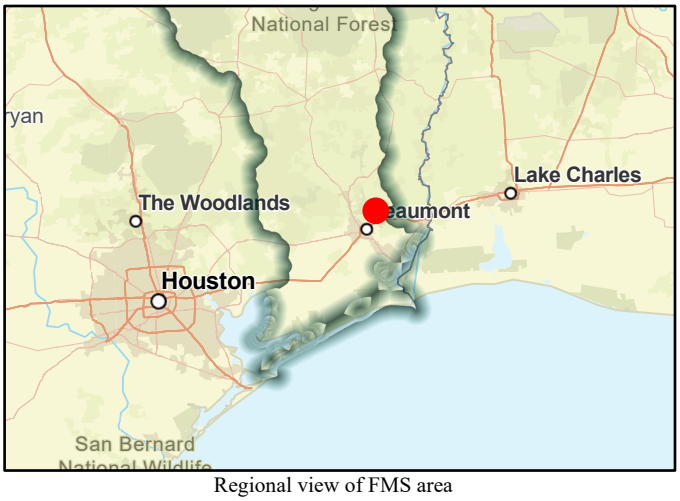
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$5,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Rose City Property Acquistion
FMS ID	05-53-0000000177
Sponsor Entity ID	05-01-0000003019
Sponsor Name	Rose City (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Conduct acquisition/Buy-out for flood-prone properties that are deemed repetitive and severe repetitive loss properties
County	Orange
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	1.73
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	233
Population at risk	583	Structures at risk	338	Critical facilities at risk	1
Farm/ranch at risk (acres)	0	Impacted roadway miles	16.76		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

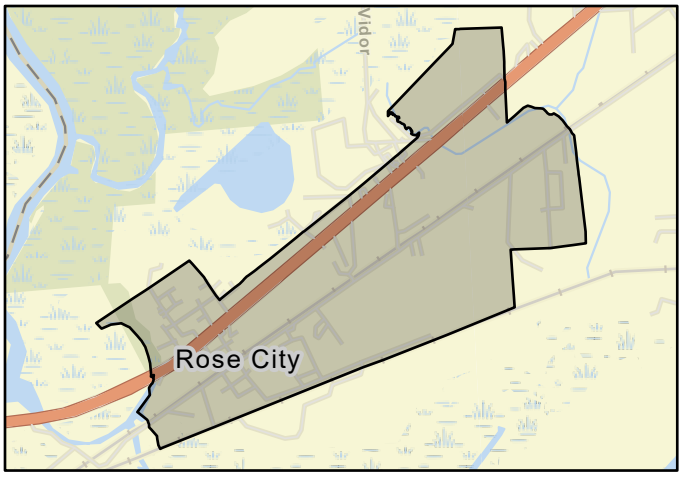
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Rose City Structure Elevation		
FMS ID	05-53-0000000178	Sponsor Entity ID	05-01-0000003019
Sponsor Name	Rose City (Municipality)		
RFPG Recommend?	Yes	Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Conduct elevation and/or flood mitigation with County for flood-prone properties that are deemed repetitive and severe repetitive loss properties

County	Orange	Associated FME's	-	Associated FMP's	-
Emergency Need?	Yes	If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities		
Drainage area (Est. sq-mi)	1.73	Assumptions/Relevant Context	N/A		

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	233
Population at risk	583	Structures at risk	338	Critical facilities at risk	1
Farm/ranch at risk (acres)	0	Impacted roadway miles	16.76		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

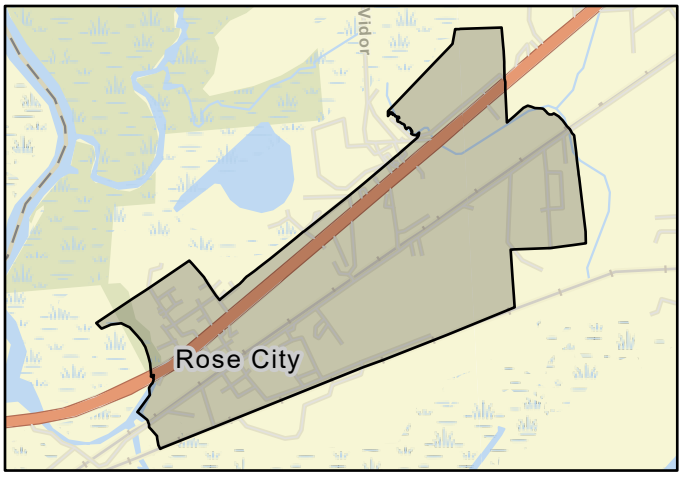
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$500,000	Non-recurring, non-capital cost (NRNC)	$500,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Hardin County Property Acquisition
FMS ID	05-53-0000000179
Sponsor Entity ID	00-01-0000000035
Sponsor Name	Hardin County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Acquisition/Buy-out: Acquire and demolish flood-prone properties that are deemed repetitive and severe repetitive loss properties
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	887.6
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	53	Residential at risk	4,134
Population at risk	11,422	Structures at risk	6,136	Critical facilities at risk	59
Farm/ranch at risk (acres)	1,020.86	Impacted roadway miles	285.63		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

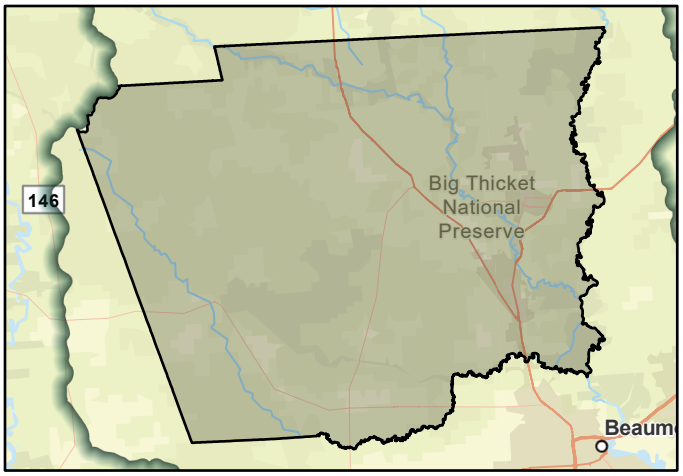
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$10,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title	Hardin County Structure Elevation
FMS ID	05-53-0000000180
Sponsor Entity ID	00-01-0000000035
Sponsor Name	Hardin County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Conduct elevation of new and existing flood-prone structures and infrastructures
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	887.6
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	53	Residential at risk	4,134
Population at risk	11,422	Structures at risk	6,136	Critical facilities at risk	59
Farm/ranch at risk (acres)	1,020.86	Impacted roadway miles	285.63		
Low water crossings	20	Total historical road closures	20		

100-Year Flood Risk Reduction

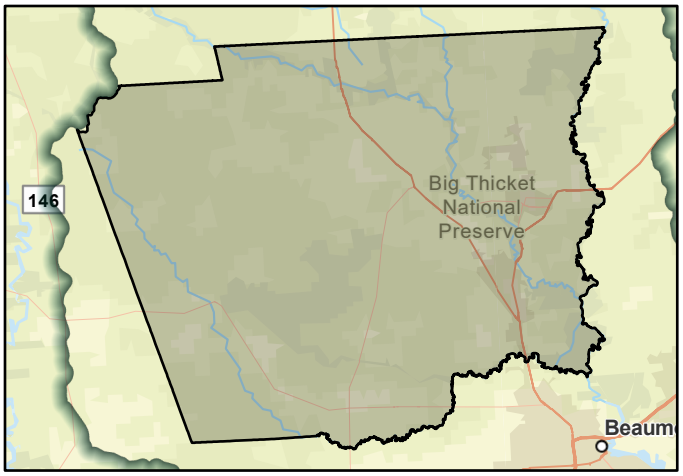
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,000,000	Non-recurring, non-capital cost (NRNC)	$500,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Kountze Property Acquisition
FMS ID	05-53-0000000181
Sponsor Entity ID	05-01-0000003028
Sponsor Name	Kountze (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Conduct voluntary acquisition of repetitive loss and flood-prone properties throughout City. Assist residents in relocating to safer locations within the City limits
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	3.97
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	55
Population at risk	127	Structures at risk	94	Critical facilities at risk	1
Farm/ranch at risk (acres)	0	Impacted roadway miles	3.94		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$6,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Lumberton Property Acquisition
FMS ID	05-53-0000000182
Sponsor Entity ID	05-01-0000002488
Sponsor Name	Lumberton (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Conduct voluntary acquisition of repetitive loss and flood-prone properties throughout City. Assist residents in relocating to safer locations within the City limits
County	Hardin
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	13.46
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	17	Residential at risk	1,046
Population at risk	3,419	Structures at risk	1,537	Critical facilities at risk	18
Farm/ranch at risk (acres)	19.06	Impacted roadway miles	35.28		
Low water crossings	3	Total historical road closures	3		

100-Year Flood Risk Reduction

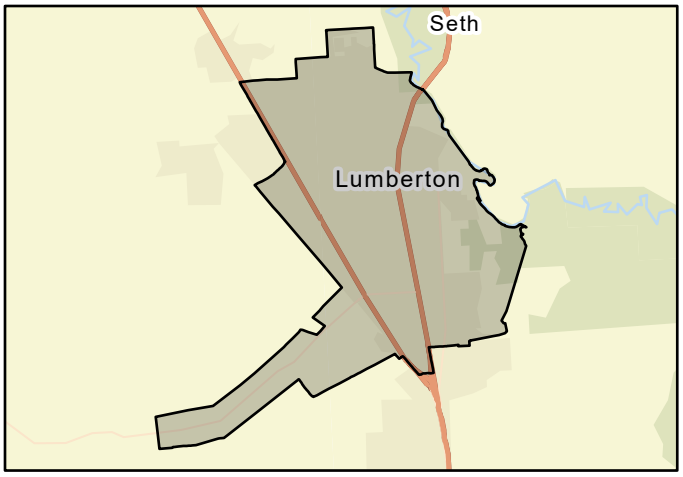
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$6,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Polk County Flood Gages on Low Water Crossings
FMS ID	05-53-0000000183
Sponsor Entity ID	00-01-0000000058
Sponsor Name	Polk County (County)
RFPG Recommend?	No
Reason for Recommendation	defer to Trinity Region

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Install electric and regular flood guages on flood-prone creeks and in low water crossing areas
County	Polk
Associated FME's	-
Associated FMP's	-
Emergency Need?	No
If yes, describe Emergency Need	-
Drainage area (Est. sq-mi)	535.17
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	177
Population at risk	1,455	Structures at risk	330	Critical facilities at risk	0
Farm/ranch at risk (acres)	7.29	Impacted roadway miles	55.24		
Low water crossings	39	Total historical road closures	39		

100-Year Flood Risk Reduction

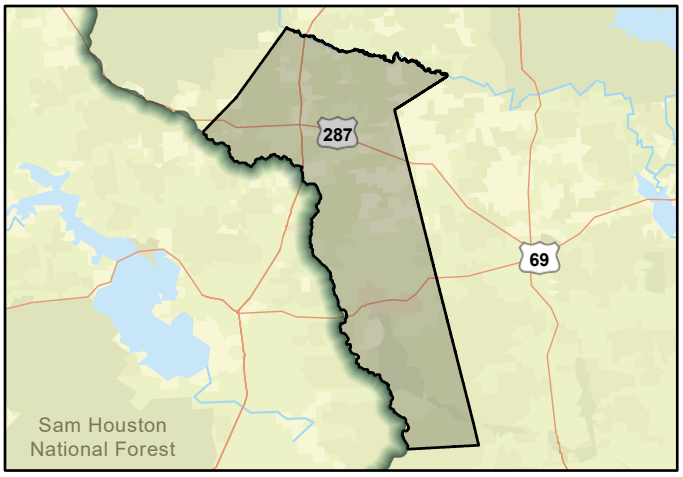
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$75,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Lufkin Property Acquisition
FMS ID	05-53-0000000184
Sponsor Entity ID	05-01-0000003561
Sponsor Name	Lufkin (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Acquire and demolish repetitive loss properties.
County	Angelina
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	34.33
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	10	Residential at risk	1,028
Population at risk	12,486	Structures at risk	1,642	Critical facilities at risk	17
Farm/ranch at risk (acres)	0.06	Impacted roadway miles	53.79		
Low water crossings	19	Total historical road closures	19		

100-Year Flood Risk Reduction

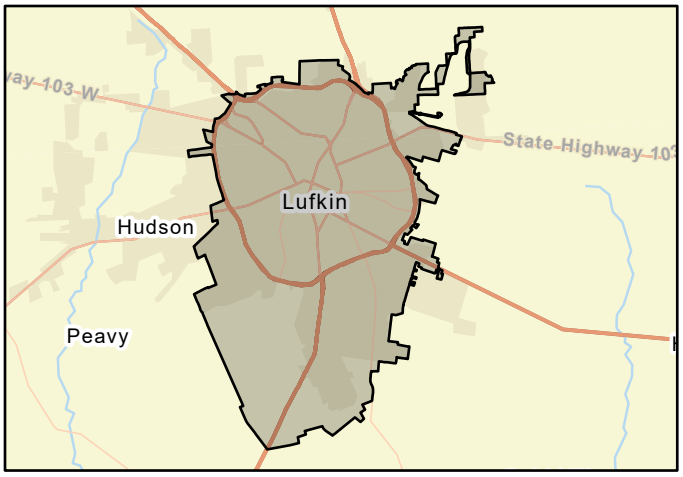
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

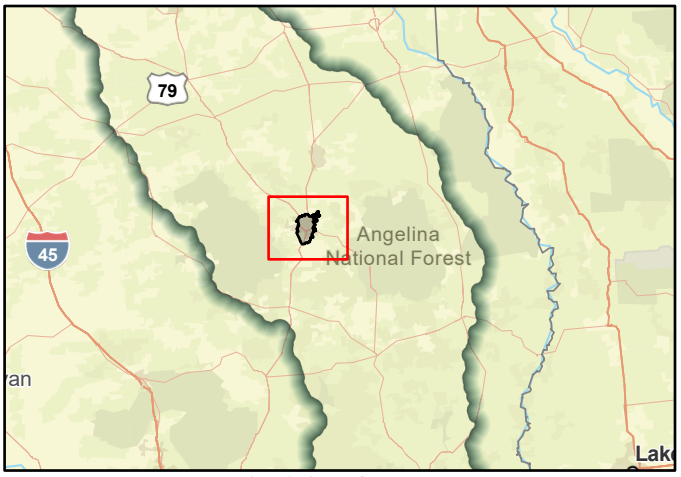
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$2,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Grapeland Easement Acquisition for Expansion of Detention Pond
FMS ID	05-53-0000000185
Sponsor Entity ID	00-01-0000002527
Sponsor Name	Grapeland (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Explore easement agreement and/or acquisition of 1 acre lot adjacent to current detention pond. Expansion/construction of detention pond on Olive Street, between 1st and 2nd Street
County	Houston
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	2.09
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	3	Residential at risk	29
Population at risk	251	Structures at risk	55	Critical facilities at risk	3
Farm/ranch at risk (acres)	0	Impacted roadway miles	1.32		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

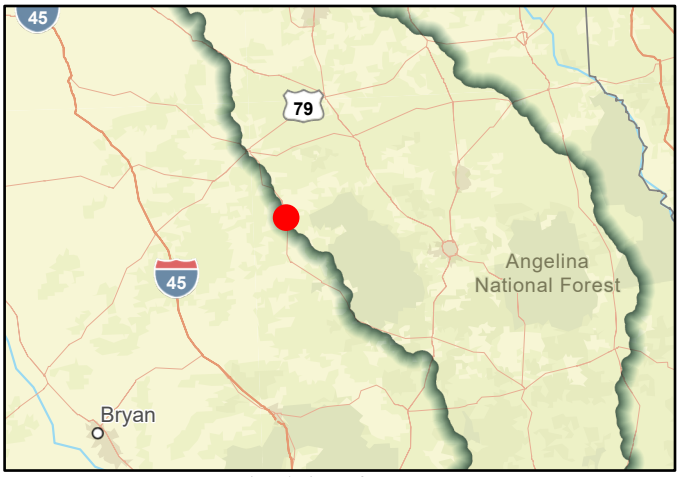
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$580,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Sabine County Property Acquisition
FMS ID	05-53-0000000186
Sponsor Entity ID	00-01-0000000135
Sponsor Name	Sabine County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Acquire flood prone/repetitive loss properties: and convert to open space, parks, boating access, trails, agricultural projects, and/or as a general community asset.
County	Sabine
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	95.27
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	2	Residential at risk	21
Population at risk	930	Structures at risk	63	Critical facilities at risk	2
Farm/ranch at risk (acres)	0.43	Impacted roadway miles	7.3		
Low water crossings	9	Total historical road closures	9		

100-Year Flood Risk Reduction

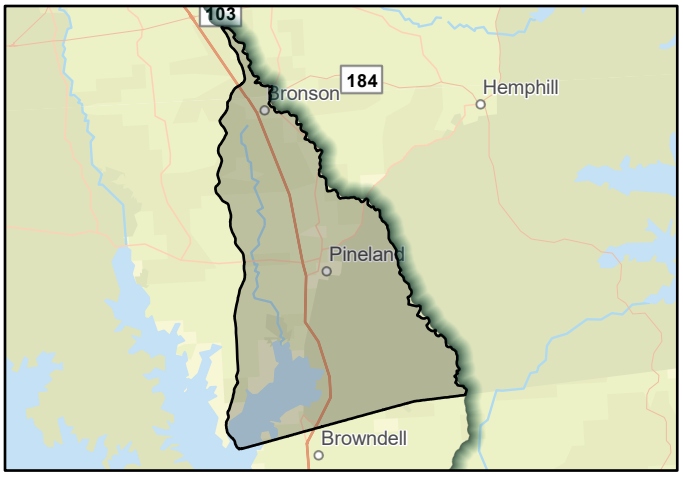
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,000,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Sabine County Structure Elevation
FMS ID	05-53-0000000187
Sponsor Entity ID	00-01-0000000135
Sponsor Name	Sabine County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Elevate existing flood prone structures: above the base flood elevation to reduce flood losses.
County	Sabine
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	95.27
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	2	Residential at risk	21
Population at risk	930	Structures at risk	63	Critical facilities at risk	2
Farm/ranch at risk (acres)	0.43	Impacted roadway miles	7.3		
Low water crossings	9	Total historical road closures	9		

100-Year Flood Risk Reduction

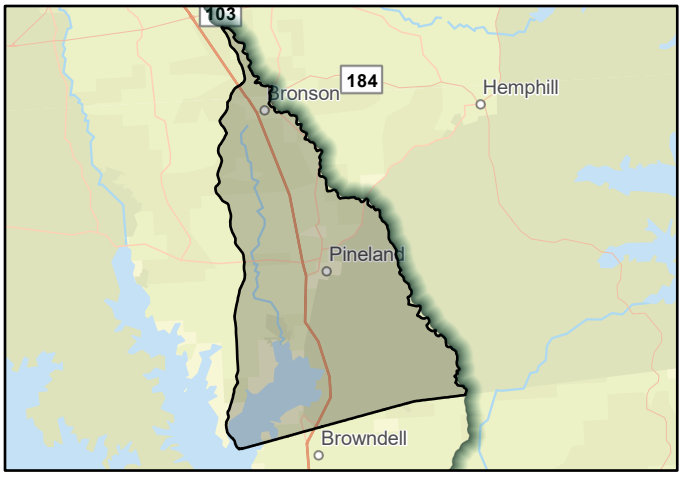
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$500,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Pineland Property Acquisition
FMS ID	05-53-0000000188
Sponsor Entity ID	05-01-0000003105
Sponsor Name	Pineland (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Acquire flood prone/repetitive loss properties: and convert to open space, parks, boating access, trails, agricultural projects, and/or as a general community asset.
County	Sabine
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	2.1
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	2
Population at risk	908	Structures at risk	12	Critical facilities at risk	1
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.62		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

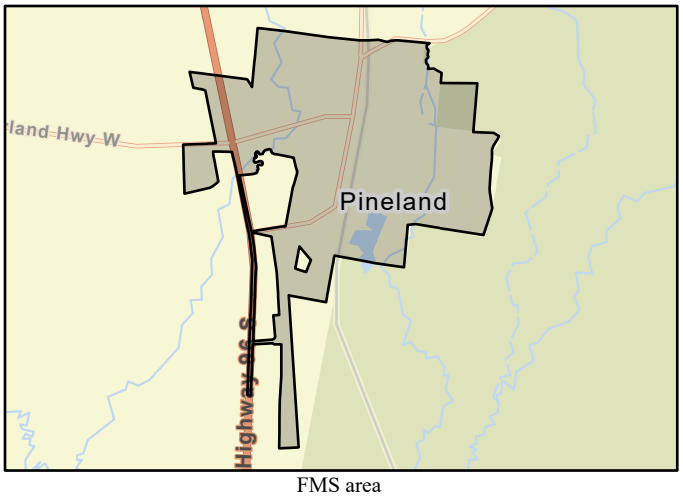
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,000,000	Non-recurring, non-capital cost (NRNC)	$500,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Pineland Structure Elevation
FMS ID	05-53-0000000189
Sponsor Entity ID	05-01-0000003105
Sponsor Name	Pineland (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Elevate existing flood prone structures: above the base flood elevation to reduce flood losses.
County	Sabine
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	2.1
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	2
Population at risk	908	Structures at risk	12	Critical facilities at risk	1
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.62		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

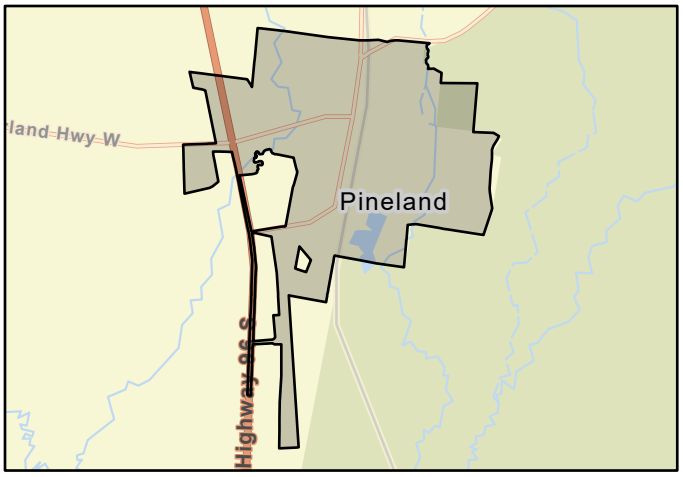
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$1,000,000	Non-recurring, non-capital cost (NRNC)	$500,000	Percent Nature-Based	100%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Shelby County Flood Damage Prevention Ordinance
FMS ID	05-53-0000000190
Sponsor Entity ID	00-01-0000000153
Sponsor Name	Shelby County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Regulatory and Guidance
FMS Description	The jurisdiction will re-evaluate all existing flood damage prevention measures in order to develop and enforce a new flood damage prevention ordinance and identify a floodplain manager, in compliance with the NFIP.
County	Shelby
Associated FME's	-
Associated FMP's	-
Emergency Need?	No
If yes, describe Emergency Need	-
Drainage area (Est. sq-mi)	159.87
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	0
Population at risk	22	Structures at risk	41	Critical facilities at risk	0
Farm/ranch at risk (acres)	7.07	Impacted roadway miles	15.62		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

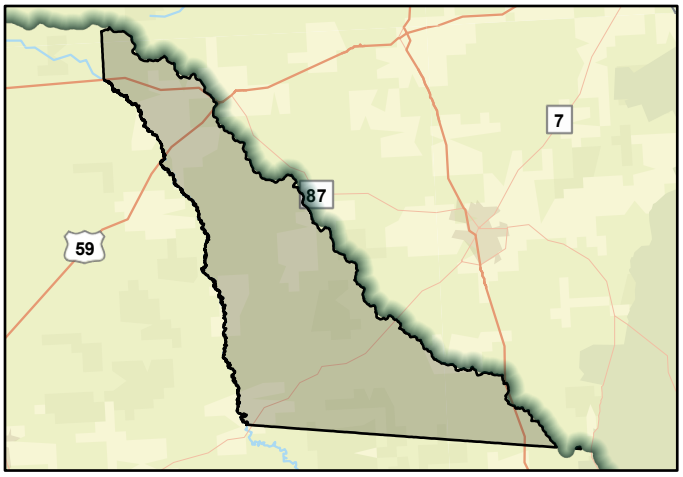
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$50,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Shelby County Flood Warning System
FMS ID	05-53-0000000191
Sponsor Entity ID	00-01-0000000153
Sponsor Name	Shelby County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Install an automated flood warning system that will help limit local vulnerability to floods by giving residents an opportunity to take shelter before an event occurs.
County	Shelby
Associated FME's	-
Associated FMP's	-
Emergency Need?	No
If yes, describe Emergency Need	-
Drainage area (Est. sq-mi)	159.87
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	0
Population at risk	22	Structures at risk	41	Critical facilities at risk	0
Farm/ranch at risk (acres)	7.07	Impacted roadway miles	15.62		
Low water crossings	16	Total historical road closures	16		

100-Year Flood Risk Reduction

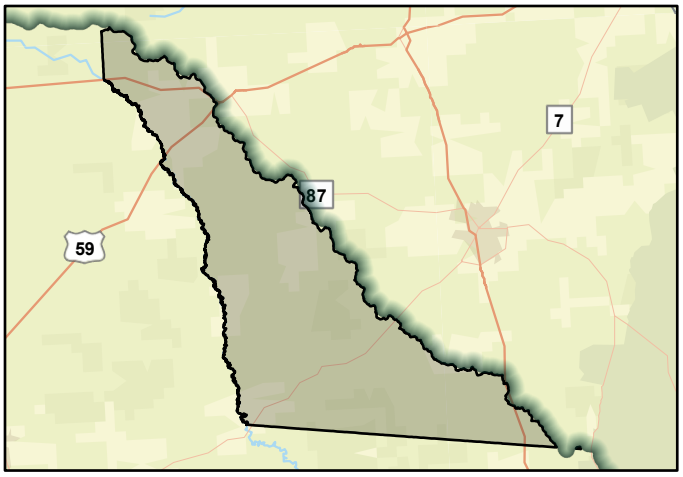
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$10,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Southeast Texas Regional Flood Sensor System
FMS ID	05-53-0000000192
Sponsor Entity ID	00-01-0000000013
Sponsor Name	Chambers County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Improve the Southeast Texas Flood Control District (SETxFCD) low-cost sensor network by replacing 34 systems with more reliable commercial grade AWARE sensors.
County	Chambers
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	432.38
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	2,138
Population at risk	5,041	Structures at risk	4,006	Critical facilities at risk	7
Farm/ranch at risk (acres)	59,127.27	Impacted roadway miles	211.29		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

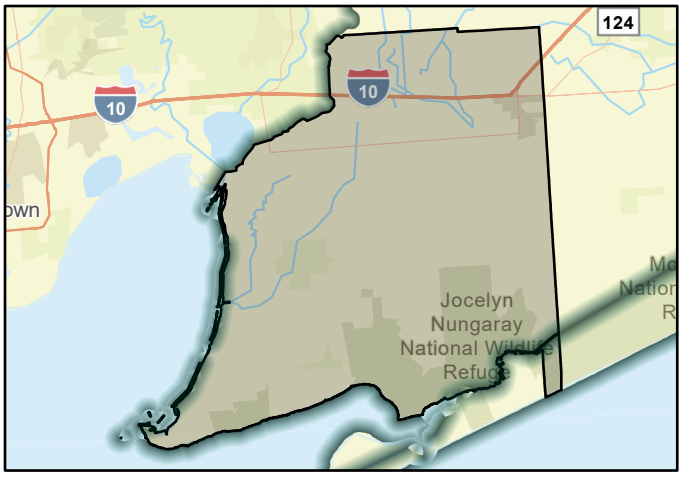
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$900,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Beaumont Property Acquisition
FMS ID	05-53-0000000193
Sponsor Entity ID	05-01-0000002769
Sponsor Name	Beaumont (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Property Acquisition and Structural Elevation
FMS Description	Acquire and demolish the 110 homes and deed restricting the properties after all improvements are removed. The properties are located along Pine Island Bayou and Neches River.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	84.9
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	145	Residential at risk	20,668
Population at risk	91,534	Structures at risk	24,541	Critical facilities at risk	192
Farm/ranch at risk (acres)	237.32	Impacted roadway miles	521.11		
Low water crossings	38	Total historical road closures	38		

100-Year Flood Risk Reduction

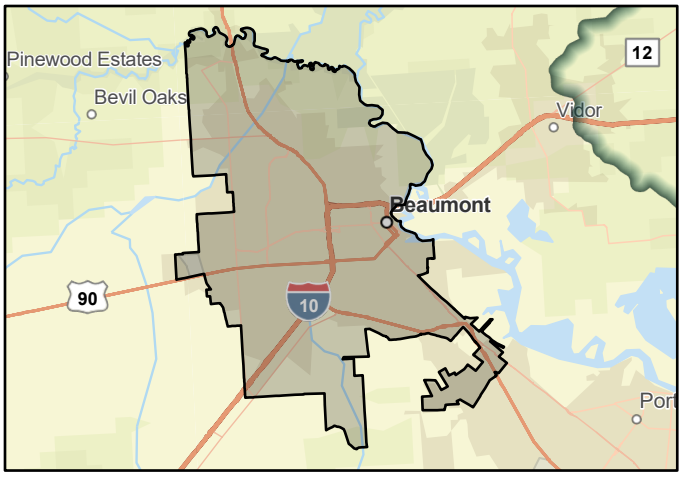
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$22,000,000	Non-recurring, non-capital cost (NRNC)	$1,000,000	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Chambers County Flood Warning System
FMS ID	05-53-0000000194
Sponsor Entity ID	00-01-0000000013
Sponsor Name	Chambers County (County)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Place warning sirens at each of the 12 emergency services stations
County	Chambers
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	432.38
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	2,138
Population at risk	5,041	Structures at risk	4,006	Critical facilities at risk	7
Farm/ranch at risk (acres)	59,127.27	Impacted roadway miles	211.29		
Low water crossings	6	Total historical road closures	6		

100-Year Flood Risk Reduction

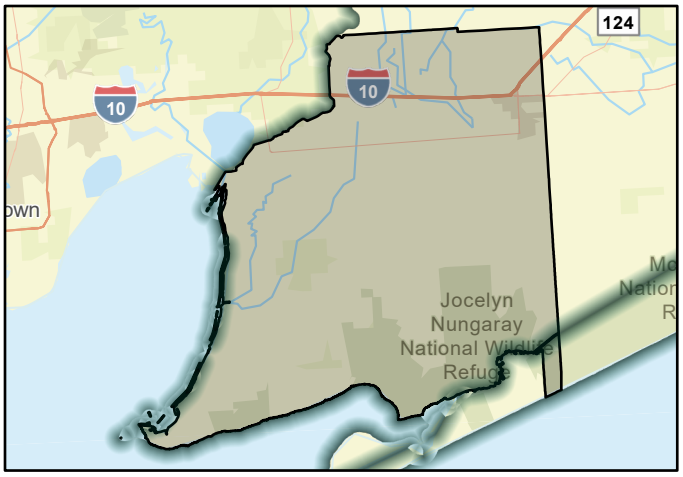
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$600,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Taylor Landing Flood Warning System
FMS ID	05-53-0000000195
Sponsor Entity ID	05-01-0000002843
Sponsor Name	Taylor Landing (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Implement city-wide alert system to notify residents of severe weather events and how to prepare.
County	Jefferson
Associated FME's	-
Associated FMP's	-
Emergency Need?	No
If yes, describe Emergency Need	-
Drainage area (Est. sq-mi)	1.05
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	0	Residential at risk	26
Population at risk	50	Structures at risk	29	Critical facilities at risk	0
Farm/ranch at risk (acres)	3.62	Impacted roadway miles	0.26		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

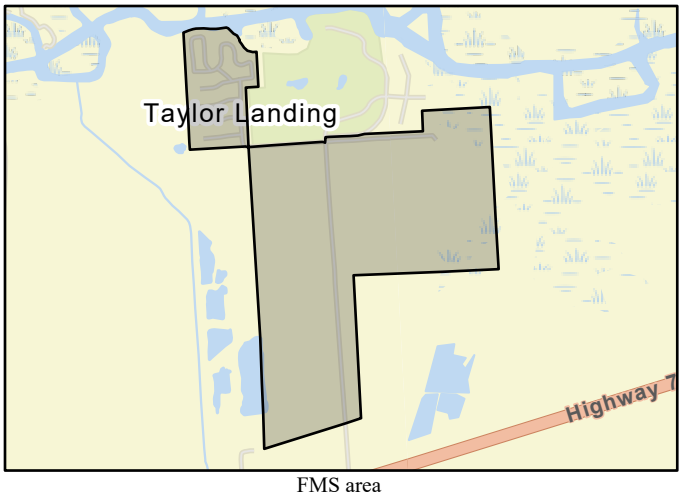
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

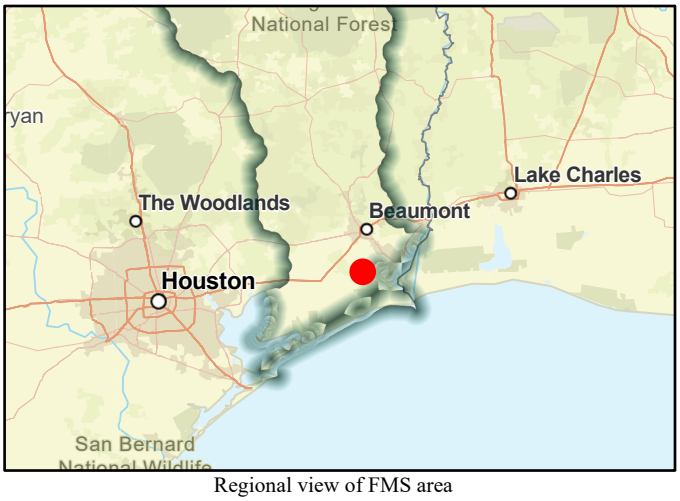
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$100,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Pine Forest Flood Warning System
FMS ID	05-53-0000000196
Sponsor Entity ID	05-01-0000003016
Sponsor Name	Pine Forest (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Implement an area-wide emergency notification system and or install digital notification signs to notify residents of severe weather events
County	Orange
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	2.82
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	213
Population at risk	422	Structures at risk	227	Critical facilities at risk	1
Farm/ranch at risk (acres)	0	Impacted roadway miles	5.88		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

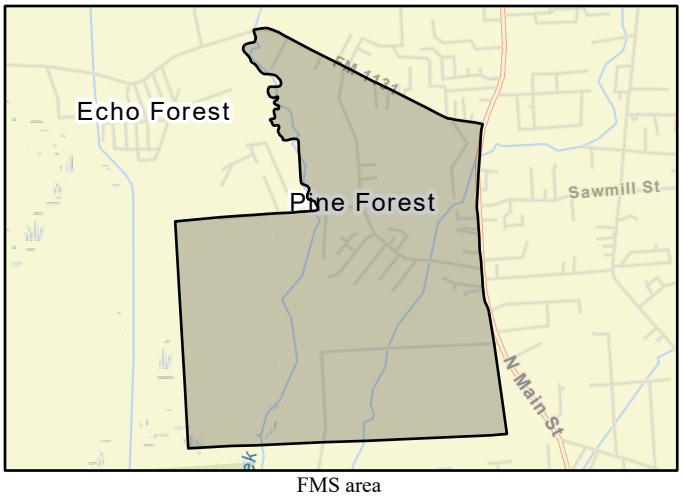
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

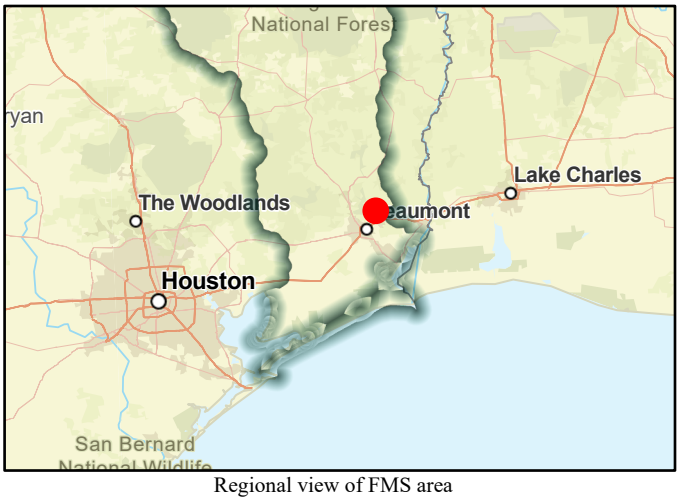
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$50,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Vidor Flood Warning System
FMS ID	05-53-0000000197
Sponsor Entity ID	00-01-0000002542
Sponsor Name	Vidor (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Acquire and install outdoor warning sirens
County	Orange
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	7.59
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	47	Residential at risk	1,536
Population at risk	5,460	Structures at risk	1,891	Critical facilities at risk	51
Farm/ranch at risk (acres)	0.93	Impacted roadway miles	41.68		
Low water crossings	7	Total historical road closures	7		

100-Year Flood Risk Reduction

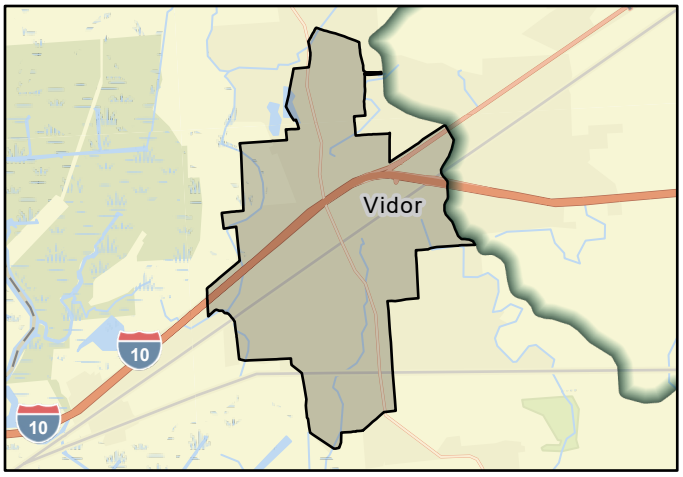
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$100,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Lufkin Flood Warning System
FMS ID	05-53-0000000198
Sponsor Entity ID	05-01-0000003561
Sponsor Name	Lufkin (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Install warning siren system in strategic locations for wildfire, tornado, hurricane.
County	Angelina
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	34.33
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	10	Residential at risk	1,028
Population at risk	12,486	Structures at risk	1,642	Critical facilities at risk	17
Farm/ranch at risk (acres)	0.06	Impacted roadway miles	53.79		
Low water crossings	19	Total historical road closures	19		

100-Year Flood Risk Reduction

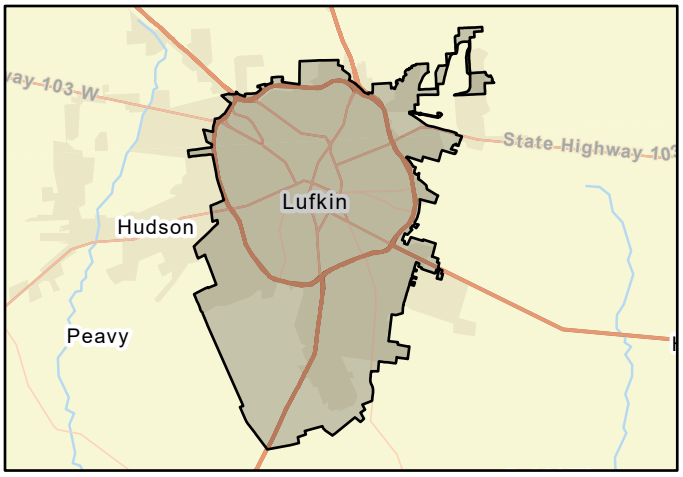
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

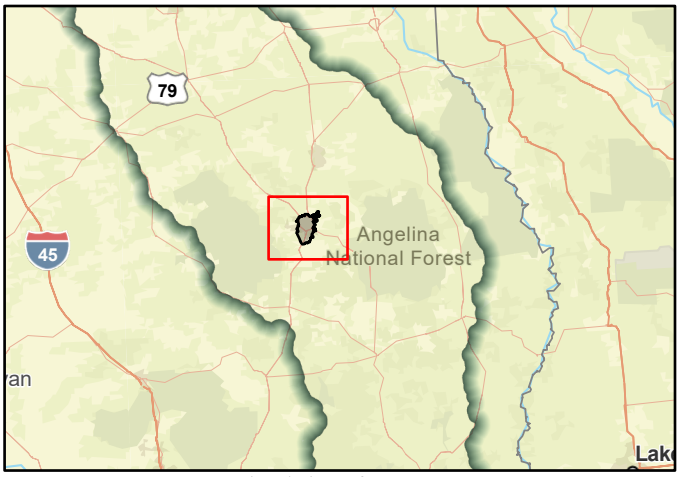
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$200,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Frankston Portable Pumps for Flood Control
FMS ID	05-53-0000000199
Sponsor Entity ID	05-01-0000003405
Sponsor Name	Frankston (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Other
FMS Description	This action proposes purchasing portable or permanent pumps that can be deployed as needed to reduce the potential impacts of future flood events.
County	Anderson
Associated FME's	-
Associated FMP's	-
Emergency Need?	No
If yes, describe Emergency Need	-
Drainage area (Est. sq-mi)	2.47
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	12
Population at risk	63	Structures at risk	16	Critical facilities at risk	1
Farm/ranch at risk (acres)	0.28	Impacted roadway miles	1.61		
Low water crossings	1	Total historical road closures	1		

100-Year Flood Risk Reduction

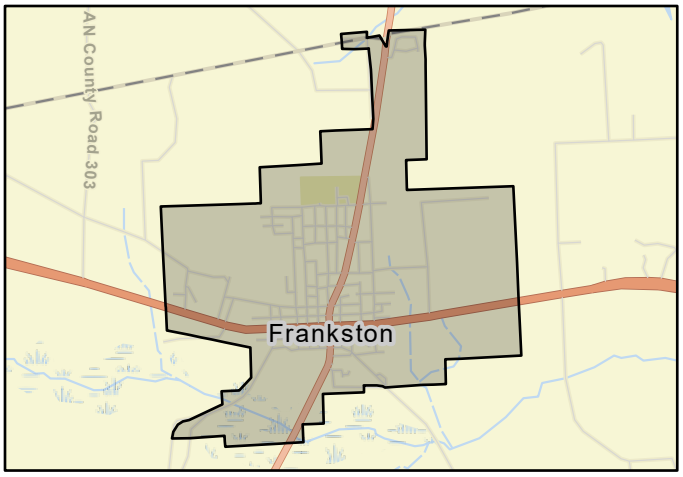
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

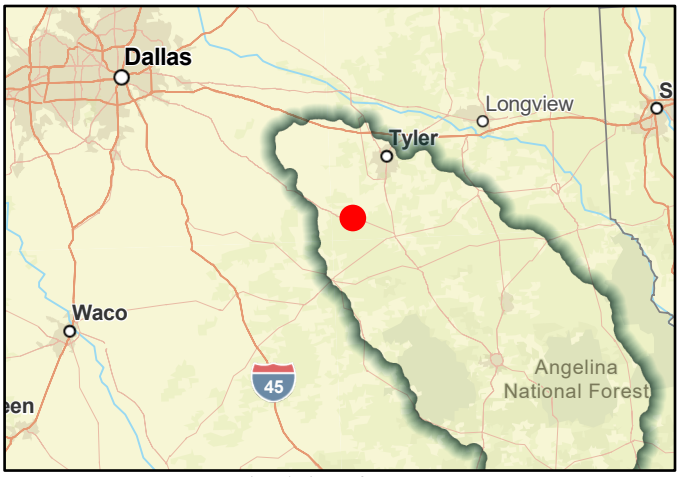
Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$200,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	Sabine County Flood Warning System
FMS ID	05-53-0000000200
Sponsor Entity ID	00-01-0000000135
Sponsor Name	Sabine County (County)
RFPG Recommend?	No
Reason for Recommendation	Defer to Sabine Region

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Install and expand warning systems/sirens
County	Sabine
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	95.27
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	2	Residential at risk	21
Population at risk	930	Structures at risk	63	Critical facilities at risk	2
Farm/ranch at risk (acres)	0.43	Impacted roadway miles	7.3		
Low water crossings	9	Total historical road closures	9		

100-Year Flood Risk Reduction

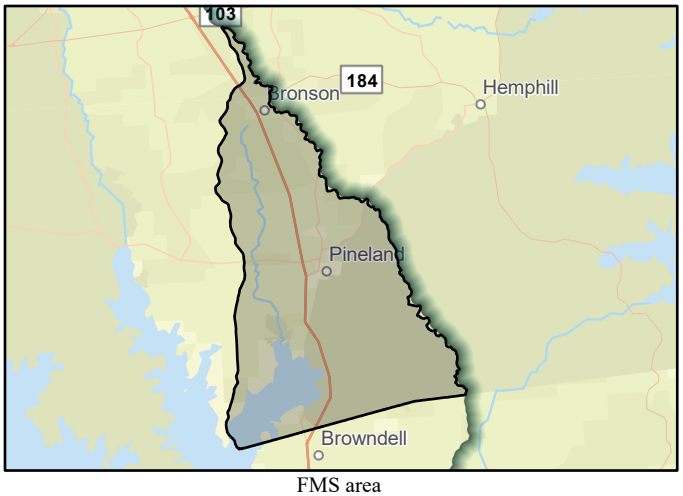
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$200,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Pineland Flood Warning System
FMS ID	05-53-0000000201
Sponsor Entity ID	05-01-0000003105
Sponsor Name	Pineland (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Flood Measurement and Warning
FMS Description	Install and expand warning systems/sirens
County	Sabine
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	2.1
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

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

Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	2
Population at risk	908	Structures at risk	12	Critical facilities at risk	1
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.62		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

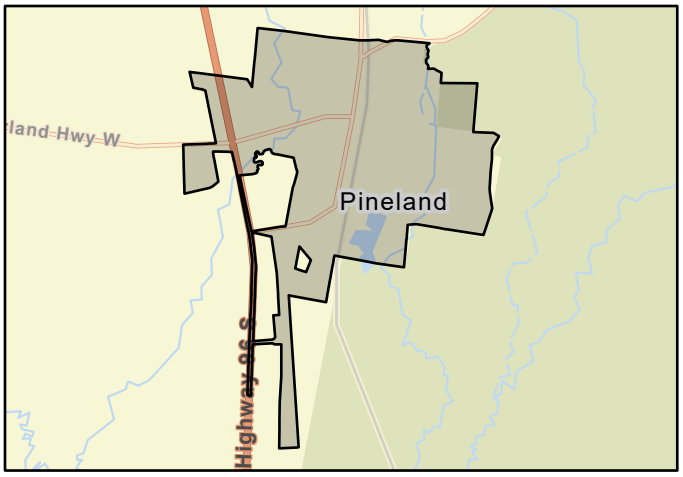
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$50,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title	City of Pineland Portable Pumps for Flood Control
FMS ID	05-53-0000000202
Sponsor Entity ID	05-01-0000003105
Sponsor Name	Pineland (Municipality)
RFPG Recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

FMS Details

FMS Type	Other
FMS Description	Purchase portable pumps that can be deployed as needed to reduce the potential impacts of future flood events.
County	Sabine
Associated FME's	-
Associated FMP's	-
Emergency Need?	Yes
If yes, describe Emergency Need	Potential Flood Risk to Critical Facilities
Drainage area (Est. sq-mi)	2.1
Assumptions/Relevant Context	N/A

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Known lives lost in study area	-	Emergency facilities at risk	1	Residential at risk	2
Population at risk	908	Structures at risk	12	Critical facilities at risk	1
Farm/ranch at risk (acres)	0	Impacted roadway miles	0.62		
Low water crossings	0	Total historical road closures	0		

100-Year Flood Risk Reduction

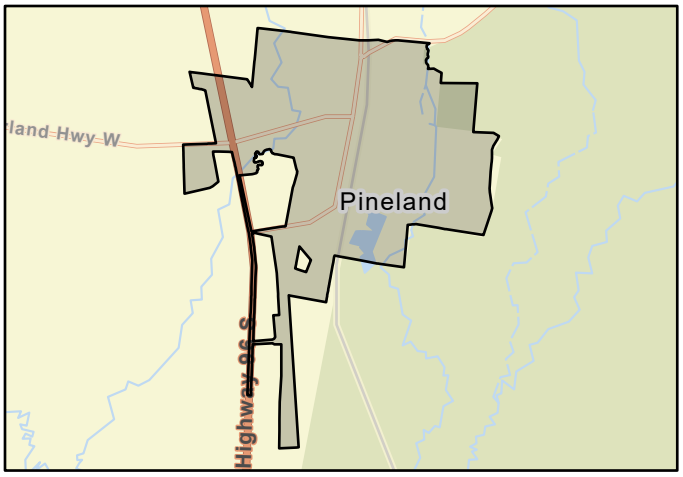
Population removed	0	Structures removed	0	Critical facilities removed	0
Emergency facilities removed	0	Farm/ranch removed	0	Roadways removed(miles)	0
Low water crossings removed	0			Reduction in road closures over 10 years	0
Other benefits	Avoidance of Future Flood Risk			Residential removed	0

Impacts

Negative impact?	No	Negative impact description	N/A
Water supply contributions?	No	Water supply description	-

Estimated Cost(s)

Total FMS cost	$100,000	Non-recurring, non-capital cost (NRNC)	$0	Percent Nature-Based	0%



FMS area



Regional view of FMS area