VOLUME 2 Appendix 5-C

FINAL REGION 5 NECHES 2023 REGIONAL FLOOD PLAN JANUARY 2023

PREPARED FOR THE REGION 5 NECHES FLOOD PLANNING GROUP **APPENDIX 5-C**

FLOOD MANAGEMENT EVALUATIONS (FME), FLOOD MANAGEMENT STRATEGIES (FMS), AND FLOOD MITIGATION PROJECT ONE-PAGERS

REGION 5 Flood Management Evaluation (FME) NECHES Title Anderson County Update Flood Hazard Mapping ID# 051000001 Sponsor Anderson (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Anderson Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 495 Emergency Need? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 73 # of structures 69 # of critical facilities 0 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? No Farm/Ranch land impacted (ac.) Roadways impacted (miles) 348 22 # of historical road closures # of low water crossings 2 2 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$2,236,919 **Funding Sources** Cost LOUISIANA

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FME Area

Regional view of FME area

Houston

REGION 5 Flood Management Evaluation (FME) NECHES Title Angelina County Update Flood Hazard Mapping ID# 051000002 Sponsor Angelina (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** Study type Watershed Planning County Angelina Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 861 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 8,420 # of structures 1,201 # of critical facilities 11 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 165 66 # of historical road closures # of low water crossings 19 19 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$3,900,000 **Funding Sources** Cost Nacogdoches LOUISIANA Lufkin Houston FME Area Regional view of FME area

REGION 5 NECHES Title Chambers County Update Flood Hazard Mapping ID# 051000003 Sponsor Chambers (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details County Chambers** Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 434 Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 1,431 # of structures 1,175 # of critical facilities 0 Coastal? Yes Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 36,933 162 # of historical road closures # of low water crossings 0 0 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$652,546 **Funding Sources** Cost LOUISIANA

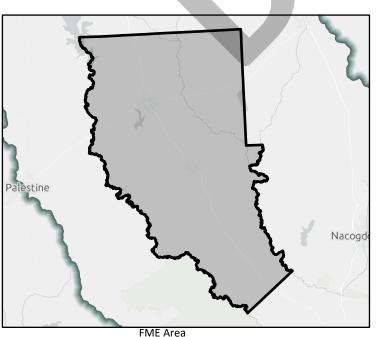
FME Area

town

Regional view of FME area

Houston

REGION 5 Flood Management Evaluation (FME) NECHES Title Cherokee County Update Flood Hazard Mapping ID# 051000004 Sponsor Cherokee (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Cherokee Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 1,058 Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 1,382 # of structures 672 # of critical facilities 1 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? No Farm/Ranch land impacted (ac.) Roadways impacted (miles) 920 49 # of historical road closures # of low water crossings 10 10 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$4,800,000 **Funding Sources** Cost





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Title Galveston County Update Flood Hazard Mapping

ID# 051000005 Sponsor Galveston (County) Recommended by RFPG? Yes Reason for Recommendation

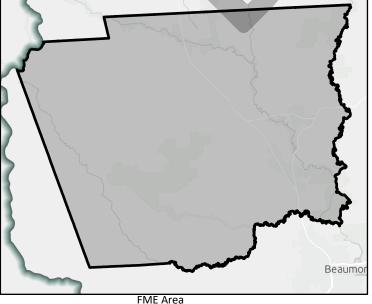


REGIONAL FLOOD PLANNING GROUP

Study Details					
Study type	Watershed Dianning		County	Galveston	
	Watershed Planning	within the county extent to		ard area, which can be used for r	egulatory purposes
,		within the county extent to			
FME to create nev	w H&H model? Yes Er	mergency Need? Yes An	ticipated models in near term?	Yes Drainage area (sq. mi.,	est.) 57
			on by completing detailed stud	lies that utilize consistent metho	dology in 75% of
	entified as having current ga ncrease the coverage of floo		on by completing detailed stud	lies that utilize consistent method	dology in 100% of
	entified as having current ga		, , ,		07
100 Voor Flood	l Risk Summary				
	-			forsition forsitition	
Population at risk		# of structures 4,9		f critical facilities 8	
Flood risk type: R				Other? Yes	
Farm/Ranch land	impacted (ac.) 330		Roadways impacted (miles)	143	
# of low water cro	ossings 0		# of historical road closures	0	
Estimated Cost	and Funding Availabili				
Total Cost \$68,502	Potential fe funding ava		Potential Federal _ Funding Sources		
			Dattas		
			1.5	~	
	Jan Contraction			~~~	
		Anahuac			
	1	National Wildlife			
-		Refuge			LOUISIANA
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				Houston	
	X/				
Galvest	on			i stand	

FME Area

REGION 5 Flood Management Evaluation (FME) NECHES Title Hardin County Update Flood Hazard Mapping ID# 051000006 Sponsor Hardin (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Hardin Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Anticipated models in near term? Yes Emergency Need? Yes Drainage area (sq. mi., est.) 888 Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. 100-Year Flood Risk Summary Population at risk 10,528 # of structures 3,678 # of critical facilities 25 Coastal? No Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 136 743 # of historical road closures # of low water crossings 13 13 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total \$1,800,000 Yes funding availability? **Funding Sources** Cost



LOUISIANA Houston

Title Henderson County Update Flood Hazard Mapping

ID# 051000007 Sponsor Henderson (County) Recommended by RFPG? Yes Reason for Recommendation

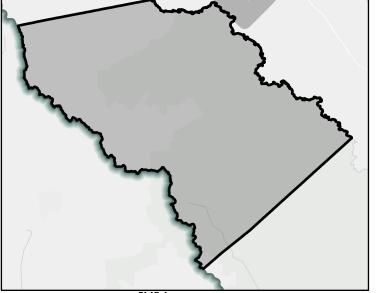


REGIONAL FLOOD PLANNING GROUP

Study Details		
Study type	Watershed Planning County Henderson	
Study description	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulate	ory purposes.
FME to create new	ew H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 3	374
areas ider Goal 2: In	Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology lentified as having current gaps in flood mapping. Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology lentified as having current gaps in flood mapping.	
100-Year Flood	d Risk Summary	
Population at risk	k 267 # of structures 240 # of critical facilities 0	
Flood risk type: Riv	Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes	
Farm/Ranch land i		
# of low water cro		
Total Cost \$1,681,614	4 Potential federal funding availability? Yes Funding Sources	
Athens	FME Ara	LOUISIANA

FME Area

REGION 5 Flood Management Evaluation (FME) NECHES Title Houston County Update Flood Hazard Mapping ID# 05100008 Sponsor Houston (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Houston Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 418 Emergency Need? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 16 # of structures 17 # of critical facilities 0 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 117 20 # of historical road closures # of low water crossings 7 7 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$1,697,174 **Funding Sources** Cost



LOUISIANA

FME Area

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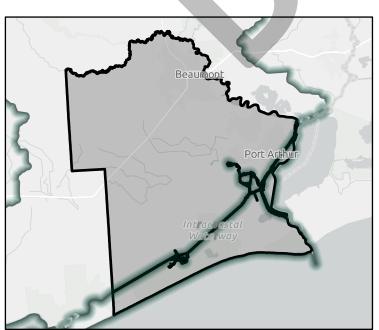
REGION 5 Flood Management Evaluation (FME) NECHES Title Jasper County Update Flood Hazard Mapping ID# 051000009 Sponsor Jasper (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Jasper Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 615 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 1,655 # of structures 756 # of critical facilities 7 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 46 104 # of historical road closures # of low water crossings 3 3 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$1,210,721 **Funding Sources** Cost rvoir LOUISIANA Houston

FME Area

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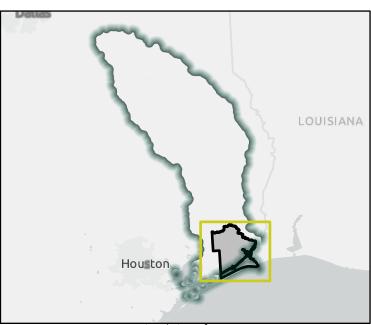
NECHES Title Jefferson County Update Flood Hazard Mapping ID# 051000010 Sponsor Jefferson (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Jefferson Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 954 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 40,765 # of structures 12,869 # of critical facilities 316 Coastal? Yes Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 33,019 474 # of historical road closures # of low water crossings 22 22 **Estimated Cost and Funding Availability**

Total Cost \$1,900,000 Potential federal funding availability? Yes



Potential Federal Funding Sources

REGION 5



FME Area

REGION 5 Flood Management Evaluation (FME) NECHES Title Liberty County Update Flood Hazard Mapping ID# 051000011 Sponsor Liberty (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Liberty Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 235 Emergency Need? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 143 # of structures 116 # of critical facilities 1 Coastal? No Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 1,526 7 # of historical road closures # of low water crossings 0 0 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$402,626 **Funding Sources** Cost LOUISIANA

EME Area

Regional view of FME area

Houston

Title Nacogdoches County Update Flood Hazard Mapping

ID# 051000012 Sponsor Nacogdoches (County) Reason for Complies with RFPG Goals Recommended by RFPG? Yes Recommendation



REGIONAL FLOOD PLANNING GROUP

Study Details				
Study type	Watershed Planning		Cou	nty Nacogdoches
Study description	Complete a detailed study	within the county extent	to delineate an updated flood	hazard area, which can be used for regulatory purpose
FME to create new	v H&H model? Yes En	nergency Need? Yes	Anticipated models in near ter	m? Yes Drainage area (sq. mi., est.) 977
areas ide Goal 2: Ir	ntified as having current ga	ps in flood mapping. d hazard data across the		studies that utilize consistent methodology in 75% of studies that utilize consistent methodology in 100% of
100-Year Flood	Risk Summary			
Population at risk	5,475	# of structures	585	# of critical facilities 1
Flood risk type: R	verine? Yes	Coastal? No	Local Flooding? Yes	Other? No
Farm/Ranch land	impacted (ac.) 240		Roadways impacted (miles)	38
# of low water cro	ossings 20		# of historical road closures	20
Total Cost \$4,400,000	Potential fe funding ava		Potential Federal Funding Sources	-
	Nacogdoches			Houston

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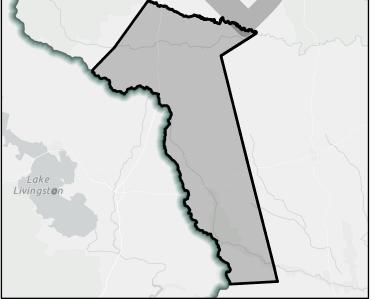
REGION 5 Flood Management Evaluation (FME) NECHES Title Orange County Update Flood Hazard Mapping ID# 051000013 Sponsor Orange (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Orange Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 156 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 11,929 # of structures 5,007 # of critical facilities 36 Coastal? Yes Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 346 136 # of historical road closures # of low water crossings 20 20 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$760,000 **Funding Sources** Cost Mauriceville LOUISIANA

Nederland FME Area

Regional view of FME area

Houston

REGION 5 NECHES Title Polk County Update Flood Hazard Mapping ID# 051000014 Sponsor Polk (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Polk Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Anticipated models in near term? Yes Emergency Need? Yes Drainage area (sq. mi., est.) 535 Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 368 # of structures 84 # of critical facilities 0 Coastal? No Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 17 62 # of historical road closures # of low water crossings 8 8 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$375,054 **Funding Sources** Cost



LOUISIANA Houston

FME Area

REGION 5 Flood Management Evaluation (FME) NECHES Title Rusk County Update Flood Hazard Mapping ID# 051000015 Sponsor Rusk (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Rusk Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 525 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 191 # of structures 91 # of critical facilities 1 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? No Farm/Ranch land impacted (ac.) Roadways impacted (miles) 206 21 # of historical road closures # of low water crossings 0 0 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$1,318,550 **Funding Sources** Cost LOUISIANA

Houston

REGION 5 Flood Management Evaluation (FME) NECHES Title Sabine County Update Flood Hazard Mapping ID# 051000016 Sponsor Sabine (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Sabine Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 95 Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 16 # of structures 11 # of critical facilities 0 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 3 5 # of historical road closures # of low water crossings 1 1 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$182,571 **Funding Sources** Cost Hemphill LOUISIANA Sabine National Forest Houston

FME Area

REGION 5 NECHES Title San Augustine County Update Flood Hazard Mapping ID# 051000017 Sponsor San Augustine (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County San Augustine Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 533 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. 100-Year Flood Risk Summary Population at risk 146 # of structures 64 # of critical facilities 0 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? No Farm/Ranch land impacted (ac.) Roadways impacted (miles) 42 13 # of historical road closures # of low water crossings 2 2 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$904,125 **Funding Sources** Cost les LOUISIANA Houston

FME Area

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REGION 5 Flood Management Evaluation (FME) NECHES Title Shelby County Update Flood Hazard Mapping ID# 051000018 Sponsor Shelby (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Shelby Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 160 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 8 # of structures 15 # of critical facilities 0 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? No Farm/Ranch land impacted (ac.) Roadways impacted (miles) 56 5 # of historical road closures # of low water crossings 4 4 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$711,827 **Funding Sources** Cost LOUISIANA Center Houston

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FME Area

REGION 5 Flood Management Evaluation (FME) NECHES Title Smith County Update Flood Hazard Mapping ID# 051000019 Sponsor Smith (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details County Smith** Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 510 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 8,524 # of structures 2,347 # of critical facilities 72 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 216 50 # of historical road closures # of low water crossings 42 42 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$1,225,342 **Funding Sources** Cost LOUISIANA

FME Area



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Regional view of FME area

Houston

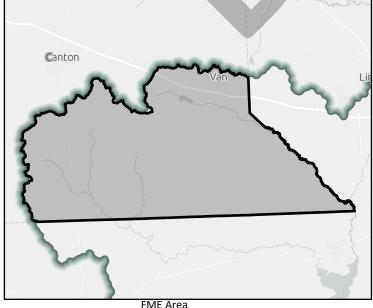
REGION 5 Flood Management Evaluation (FME) NECHES Title Trinity County Update Flood Hazard Mapping ID# 051000020 Sponsor Trinity (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details County Trinity** Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 342 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 15 # of structures 32 # of critical facilities 0 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? No Roadways impacted (miles) Farm/Ranch land impacted (ac.) 68 22 # of historical road closures # of low water crossings 1 1 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$1,540,238 **Funding Sources** Cost Lu LOUISIANA Houston FME Area Regional view of FME area

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REGION 5 Flood Management Evaluation (FME) NECHES Title Tyler County Update Flood Hazard Mapping ID# 051000021 Sponsor Tyler (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Tyler Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 932 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 329 # of structures 545 # of critical facilities 0 Coastal? No Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 82 42 # of historical road closures # of low water crossings 8 8 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$1,800,000 **Funding Sources** Cost Jasper LOUISIANA Houston FME Area Regional view of FME area

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REGION 5 Flood Management Evaluation (FME) NECHES Title Van Zandt County Update Flood Hazard Mapping ID# 051000022 Sponsor Van Zandt (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Van Zandt Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 244 Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 233 # of structures 217 # of critical facilities 0 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 232 13 # of historical road closures # of low water crossings 0 0 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$1,111,237 **Funding Sources** Cost Canton LOUISIANA



LOUISIANA Houston

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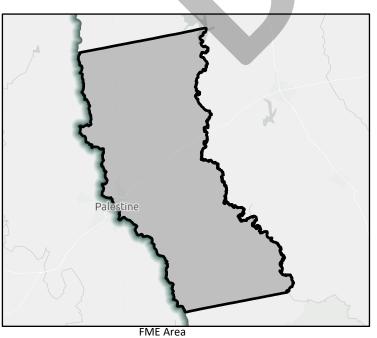
Title Anderson County Master Drainage Plan

ID#	051000023	Sponsor	Anderson (County)	
Reco	ommended by	RFPG? Yes	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details								
Study type	Watershed Pla	nning			County Ander	son		
Study description		-		ood risk, develop conceptua ceptual alternatives should e				
FME to create ne	w H&H model?	Yes Emerg	ency Need? Yes	Anticipated models in n	ear term? Yes	Drainage ar	ea (sq. mi., e	est.) 495
their des Goal 3: F	An average of 25 sign.	der in all project	ts and should incc en 2023 - 2033.	ure projects between 2033- : prporate nature-based practi	ces and floodplai	n preservation	n in an averag	
Goal 4: F new floc Goal 5: F	d risk reduction Reduce the numl	projects betwee per of critical fac	en 2033 - 2053. cilities in the 100-	prporate nature-based practi year flood risk inundation ex year flood risk inundation ex	tents by 15%.	n preservation	າ in an avera _ໂ	ge of 25% of their
Goal 4: F new floc Goal 5: F	nd risk reduction Reduce the numb Reduce the numb	projects betwee per of critical fac per of critical fac	en 2033 - 2053. cilities in the 100-	year flood risk inundation ex	tents by 15%.	n preservation	i in an averag	ge of 25% of their
Goal 4: F new floc Goal 5: F Goal 6: F 100-Year Flood	d risk reduction Reduce the num Reduce the num Reduce the num	projects betwee per of critical fac per of critical fac	en 2033 - 2053. cilities in the 100-	year flood risk inundation ex year flood risk inundation ex	tents by 15%. tents by 25%.	n preservation	i in an averag	ge of 25% of their
Goal 4: F new floc Goal 5: F Goal 6: F 100-Year Flood Population at risk	d risk reduction Reduce the numb Reduce the numb Reduce the numb Resk Summa	projects betwee per of critical fac per of critical fac ry	en 2033 - 2053. cilities in the 100- cilities in the 100-	year flood risk inundation ex year flood risk inundation ex	tents by 15%. tents by 25%.	al facilities 0	in an averag	ge of 25% of their
Goal 4: F new floc Goal 5: F Goal 6: F 100-Year Flood Population at risk Flood risk type: F	ed risk reduction Reduce the numb Reduce the numb I Risk Summa 73 Riverine? Yes	projects betwee per of critical fac per of critical fac ry	en 2033 - 2053. cilities in the 100- cilities in the 100- # of structu	year flood risk inundation ex year flood risk inundation ex ures 69	tents by 15%. tents by 25%. # of critica Other	al facilities 0	n in an averag	ge of 25% of their
Goal 4: F new floc Goal 5: F Goal 6: F	d risk reduction Reduce the numb Reduce the numb d Risk Summa 73 Riverine? Yes impacted (ac.)	projects betwee per of critical fac per of critical fac ry Coa	en 2033 - 2053. cilities in the 100- cilities in the 100- # of structu	year flood risk inundation ex year flood risk inundation ex ures 69 Local Flooding? Yes	tents by 15%. tents by 25%. # of critica Other miles) 22	al facilities 0	n in an averag	ge of 25% of their
Goal 4: F new floc Goal 5: F Goal 6: F 100-Year Flood Population at risk Flood risk type: F Farm/Ranch land	d risk reduction Reduce the numb Reduce the numb d Risk Summa 73 Riverine? Yes impacted (ac.) ossings	projects betwee per of critical fac oper of critical fac ry Coa 348 2	en 2033 - 2053. cilities in the 100- cilities in the 100- # of structu	year flood risk inundation ex year flood risk inundation ex ures 69 Local Flooding? Yes Roadways impacted (tents by 15%. tents by 25%. # of critica Other miles) 22	al facilities 0	n in an averag	ge of 25% of their





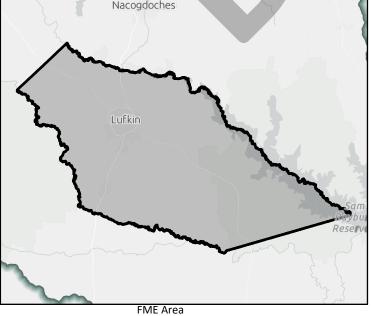
Title Angelina County Master Drainage Plan

ID#	051000024	Sponsor	Angelina (County)	
Reco	ommended by	RFPG? Yes	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details									
Study type	Watershed Plann	ning			Count	ty Angelina			
Study description		odeling to identify a matives, and rank pr			•			•	for
FME to create new	v H&H model? Ye	es Emergency I	Need? Yes	Anticipated mode	lels in near term	1? Yes E	Drainage area (s	sq. mi., est.) 8	361
their desi Goal 3: RI new flooc Goal 4: RI new flooc Goal 5: Re	n average of 25% o ign. FPG must consider d risk reduction pr FPG must consider d risk reduction pr educe the number	of the new regional er in all projects and rojects between 202 er in all projects and rojects between 203 er of critical facilities er of critical facilities	l should incorpo 23 - 2033. I should incorpo 33 - 2053. s in the 100-yea	porate nature-based porate nature-based ar flood risk inunda	d practices and f d practices and f ation extents by	floodplain pr floodplain pr 15%.	reservation in a	n average of 2	10% of their
100-Year Flood			u - E -tructuro			of critical fa	-:!:===================================		
Population at risk			# of structures						
Flood risk type: Ri		Coastal?	No	Local Flooding?		Other? Ye	25		
Farm/Ranch land i	mpacted (ac.)	165		Roadways imp	oacted (miles)	66			
# of low water cro	ssings	19		# of historical	road closures	19			
Estimated Cost	and Funding A	vailability							
Total Cost \$1,700,000		otential federal unding availability?	Yes		ential Federal _ nding Sources				
	Nacogdoches	s	3		attas	~			





Title Chambers County Master Drainage Plan

بانصده

ID#	051000025	Sponsor	Chambers (County)	
Reco	ommended by	RFPG? Yes	Reason for Recommendation	Complies with RFPG Goals



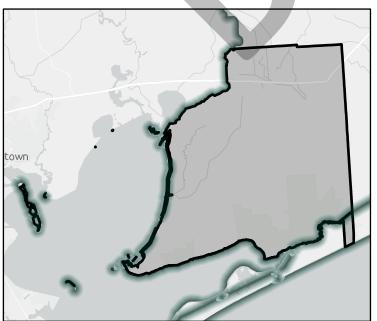
REGIONAL FLOOD PLANNING GROUP

Study Details							
Study type	Watershed Plar	nning		Соц	County Chambers		
				isk, develop conceptual alter al alternatives should evaluat			°CC for
FME to create new	H&H model?	les Emergency	Need? Yes	Anticipated models in near te	rm? Yes Drainage a	rea (sq. mi., es	t.) 434
of their de Goal 2: Ar their desig Goal 3: RF new flood Goal 4: RF new flood Goal 5: Re	esign. n average of 25% gn. PG must consid I risk reduction p PG must consid I risk reduction p educe the numb	6 of the new regional ler in all projects and projects between 20 ler in all projects and projects between 20 er of critical facilitie	al infrastructure p d should incorpora 123 - 2033. d should incorpora 133 - 2053. s in the 100-year t	rojects between 2023 – 2033 rojects between 2033- 2053 v ate nature-based practices an ate nature-based practices an flood risk inundation extents flood risk inundation extents	vill utilize larger storm ev d floodplain preservatio d floodplain preservatio by 15%.	vents (>100-yea	ar) as the basis of e of 10% of their
100-Year Flood	Risk Summar	γ					
Population at risk	1,431	-	# of structures 2	1,175	# of critical facilities 0		
Flood risk type: Riv	verine? Yes	Coastal	Yes L	ocal Flooding? No	Other? Yes		
Farm/Ranch land i	mpacted (ac.)	36,933		Roadways impacted (miles)	162		
# of low water cros	ssings	0		# of historical road closures	0		

Estimated Cost and Funding Availability

Total Cost \$1,600,000 Potential federal funding availability? Yes

Potential Federal Funding Sources





FME Area

Title Cherokee County Master Drainage Plan

Dotail

ID#	051000026	Sponsor	Cherokee (County)	
Reco	ommended by	RFPG? Yes	Reason for Recommendation	Complies with RFPG Goals



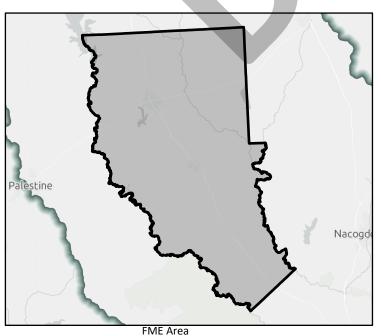
REGIONAL FLOOD PLANNING GROUP

Study type	Watershed Plar	nning		Cou	nty Cherokee	
Study description		-		d risk, develop conceptual altern otual alternatives should evaluate		
FME to create new	v H&H model? ۲	Yes Emer	gency Need? Yes	Anticipated models in near ter	m? Yes Drainage a	rea (sq. mi., est.) 1,058
of their d Goal 2: A their desi Goal 3: R new flood Goal 4: R new flood	esign. n average of 259 gn. FPG must consic d risk reduction FPG must consic d risk reduction	% of the new re der in all projec projects betwe der in all projec projects betwe per of critical fa	egional infrastructure ets and should incorp een 2023 - 2033. ets and should incorp een 2033 - 2053. cilities in the 100-yea	orate nature-based practices and orate nature-based practices and ar flood risk inundation extents b	vill utilize larger storm e d floodplain preservatio d floodplain preservatio ny 15%.	vents (>100-year) as the basis of n in an average of 10% of their
		er of critical fa	clinties in the 100-ye.	ar flood risk inundation extents k	Jy 25%.	
	educe the numb		clinities in the 100-ye	ar flood risk inundation extents b	y 25%.	
Goal 6: Re	educe the numb		# of structure		# of critical facilities 1	
Goal 6: Ro 100-Year Flood	educe the numb Risk Summai 1,382	ſŶ				
Goal 6: Re 100-Year Flood Population at risk	educe the numb Risk Summai 1,382 iverine? Yes	ſŶ	# of structure	s 672	# of critical facilities 1	

Estimated Cost and Funding Availability

Total Cost \$1,600,000 Potential federal funding availability? Yes

Potential Federal . Funding Sources





Title Hardin County Master Drainage Plan

ID#	051000027	Sponsor	Hardin (County)	
			Descen for	Complies with RFPG Goals
Recommended by RFPG? Y			Reason for	· · · · · · · · · · · · · · · · · · ·
neee	Jinnenaca by	1110. 165	Recommendation	



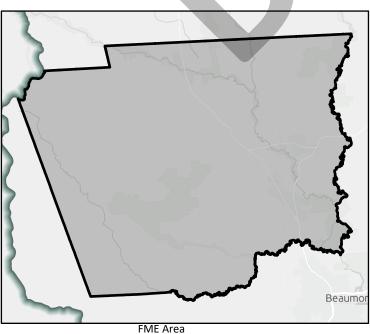
REGIONAL FLOOD PLANNING GROUP

Study Details								
Study type	Watershed Plar	nning		Сс	County Hardin			
Study description	Idy description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develo conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solution							
FME to create nev	v H&H model? ۲	Yes Emergen	cy Need? Yes	Anticipated models in near to	erm? Yes Drainage area (sq. mi.,	est.) 888		
of their d Goal 2: A their des Goal 3: R new floo Goal 4: R new floo Goal 5: R	lesign. In average of 259 ign. FPG must consic d risk reduction FPG must consic d risk reduction educe the numb	% of the new regio ler in all projects a projects between a ler in all projects a projects between a ser of critical facilit	nal infrastructure nd should incorp 2023 - 2033. nd should incorp 2033 - 2053. ies in the 100-ye	e projects between 2033- 2053 porate nature-based practices a		year) as the basis of ge of 10% of their		
100-Year Flood	Risk Summaı	γ						
Population at risk	10,528		# of structure	es 3,678	# of critical facilities 25			
Flood risk type: R	iverine? Yes	Coasta	I? No	Local Flooding? No	Other? Yes			
Farm/Ranch land	impacted (ac.)	743		Roadways impacted (miles	s) 136			
•								

Estimated Cost and Funding Availability

Total \$1,000,000 Cost

Potential federal funding availability? Yes Potential Federal **Funding Sources**





Title Henderson County Master Drainage Plan

ID#	051000028	Spo	nsor	Henderson (County)	
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



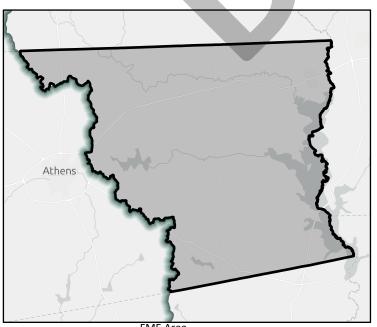
REGIONAL FLOOD PLANNING GROUP

Study Details								
Study type	Watershed Plar	nning		Со	County Henderson			
Study description		-		od risk, develop conceptual alter ptual alternatives should evalua			C for	
FME to create new	۲ H&H model?	Yes Emergend	cy Need? Yes	Anticipated models in near te	rm? Yes Drainage	area (sq. mi., est.)	374	
of their d Goal 2: Ai their desi Goal 3: Ri new flood Goal 4: Ri new flood Goal 5: Re	esign. n average of 259 gn. FPG must consic d risk reduction FPG must consic d risk reduction educe the numb	% of the new region ler in all projects a projects between 2 ler in all projects a projects between 2 er of critical facilit	nal infrastructur nd should incorp 2023 - 2033. nd should incorp 2033 - 2053. ies in the 100-ye	e projects between 2023 – 2033 e projects between 2033- 2053 porate nature-based practices ar porate nature-based practices ar ar flood risk inundation extents ar flood risk inundation extents	will utilize larger storm nd floodplain preservati nd floodplain preservati by 15%.	events (>100-year on in an average c) as the basis of of 10% of their	
100-Year Flood	Risk Summaı	γ						
Population at risk	267		# of structure	es 240	# of critical facilities 0			
Flood risk type: Ri	verine? Yes	Coasta	al? No	Local Flooding? Yes	Other? Yes			
Farm/Ranch land i	impacted (ac.)	348		Roadways impacted (miles) 20			
# of low water cro	ssings	1		# of historical road closure	5 1			

Estimated Cost and Funding Availability

Total Cost \$1,900,000 Potential federal funding availability? Yes

Potential Federal . Funding Sources





FME Area

Title Houston County Master Drainage Plan

ID#	051000029	Spoi	nsor	Houston (County)	
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details	
Study type	Watershed Planning County Houston
Study description	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.
FME to create new	w H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 418
of their d Goal 2: A their desi Goal 3: R new flood Goal 4: R new flood Goal 5: R	An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basi
100-Year Flood	d Risk Summary
Population at risk	k 16 # of structures 17 # of critical facilities 0
Flood risk type: Ri	Riverine? Yes Coastal? No Local Flooding? Yes Other? Yes
Farm/Ranch land i	l impacted (ac.) 117 Roadways impacted (miles) 20
# of low water cro	rossings 7 # of historical road closures 7
Estimated Cost Total Cost \$610,983	t and Funding Availability Potential federal funding availability? Yes Funding Sources
J	

FME Area

Regional view of FME area

Houston

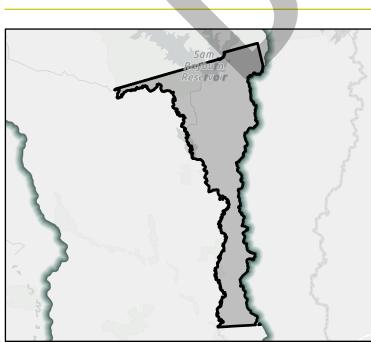
Title Jasper County Master Drainage Plan

ID#	051000030	Spons	or	Jasper (County)	
				Reason for	Complies with RFPG Goals
Reco	ommended by	RFPG? Ye	es	Recommendation	



REGIONAL FLOOD PLANNING GROUP

Study Details							
Study type	Watershed Pla	nning			County Jasper	r	
Study description		-			ceptual alternatives to r hould evaluate feasibilit		
FME to create new	/ H&H model?	Yes Em	nergency Need? Ye	Anticipated mod	els in near term? Yes	Drainage area (sq. n	ni., est.) 615
their desi Goal 3: RI new flooc Goal 4: RI new flooc Goal 5: Re	n average of 25 gn. FPG must consi d risk reduction FPG must consi d risk reduction educe the num	der in all pro projects bet der in all pro projects bet ber of critica	jects and should in ween 2023 - 2033. jects and should in ween 2033 - 2053. I facilities in the 10	corporate nature-base		in preservation in an av	verage of 10% of their
100-Year Flood	Risk Summa	ry					
Population at risk	1,655		# of struc	ctures 756	# of critica	al facilities 7	
Flood risk type: Ri	verine? Yes		Coastal? No	Local Flooding?	Yes Other	? Yes	
Farm/Ranch land i	impacted (ac.)	104		Roadways imp	acted (miles) 46		
# of low water cro	ossings	3		# of historical	road closures 3		
Estimated Cost	and Funding	Availabilit	y				
Total Cost \$1,200,000	_	Potential fe	Voc		ential Federal _ ding Sources		





FME Area

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Title Jefferson County Master Drainage Plan

ID#	051000031	Sponsor	Jefferson (County)	
Reco	ommended by	RFPG? Yes	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

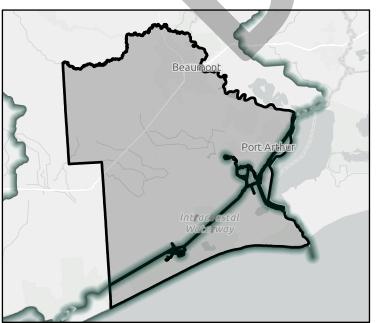
Study Details				
Study type	Watershed Planning		County Jeffer	son
Study description		ng to identify and define flood risk, develop es, and rank projects. Conceptual alternativ		
FME to create nev	v H&H model? Yes	Emergency Need? Yes Anticipated r	nodels in near term? Yes	Drainage area (sq. mi., est.) 954
of their d Goal 2: A their des Goal 3: R new floo Goal 4: R new floo Goal 5: R	lesign. n average of 25% of th ign. FPG must consider in a d risk reduction projec FPG must consider in a d risk reduction projec educe the number of o	e new regional infrastructure projects betw all projects and should incorporate nature-b ts between 2023 - 2033.	een 2033- 2053 will utilize I ased practices and floodpla ased practices and floodpla undation extents by 15%.	larger storm events (>100-year) as the basis arger storm events (>100-year) as the basis of in preservation in an average of 10% of their in preservation in an average of 25% of their
100-Year Flood	Risk Summary			
Population at risk	40.765	# of structures 12.869	# of critic	al facilities 316

Population at risk 40,765		# of structure	s 12,869	# of critical facilities 316
Flood risk type: Riverine? Yes	Coastal?	Yes	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	33,019		Roadways impacted (miles)	474
# of low water crossings	22		# of historical road closures	5 22

Estimated Cost and Funding Availability

Total Cost \$1,100,000 Potential federal funding availability? Yes

Potential Federal Funding Sources





FME Area

Title Liberty County Master Drainage Plan

 ID#
 051000032
 Sponsor
 Liberty County Drainage District

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



REGIONAL FLOOD PLANNING GROUP

Study Details									
Study type	Watershed Pla	anning			Cou	nty Liberty			
Study description	Complete a co	ounty wide drainage	e plan, which can	n be used for regula	atory purposes				
FME to create new	w H&H model?	Yes Emergen	ncy Need? Yes	Anticipated mod	dels in near ter	m? Yes Dr	ainage area (s	;q. mi. <i>,</i> est.)	235
of their d Goal 2: A their desi Goal 3: R new flood Goal 4: R new flood Goal 5: R	design. An average of 25 sign. RFPG must consi od risk reduction RFPG must consi od risk reduction Reduce the numl	0% of the new regio 5% of the new regio ider in all projects a n projects between ider in all projects a n projects between ober of critical facilit ober of critical facilit	onal infrastructur and should incorp 2023 - 2033. and should incorp 2033 - 2053. ties in the 100-ye	re projects betweer porate nature-base porate nature-base ear flood risk inund	n 2033- 2053 w ed practices and ed practices and lation extents b	vill utilize larger d floodplain pre d floodplain pre oy 15%.	storm events servation in a	(>100-year) In average o) as the basis of f 10% of their
100-Year Flood		ary							
Population at risk	143		# of structure	es 116		# of critical faci	lities 1		
Flood risk type: Ri	iverine? Yes	Coasta	al? No	Local Flooding?	No	Other? Yes			
Farm/Ranch land	impacted (ac.)	1,526		Roadways im	pacted (miles)	7			
# of low water cro	ossings	0		# of historical	I road closures	0			
Estimated Cost	and Funding	g Availability							
Total Cost \$201,313		Potential federal funding availability	y? ^{Yes}		tential Federal nding Sources	-			
					Allas				LOUISIAN



Regional view of FME area

Houston

Title Nacogdoches County Master Drainage Plan

Cturch / Dotoile

ID#	051000033	Spo	nsor	Nacogdoches (Count	
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



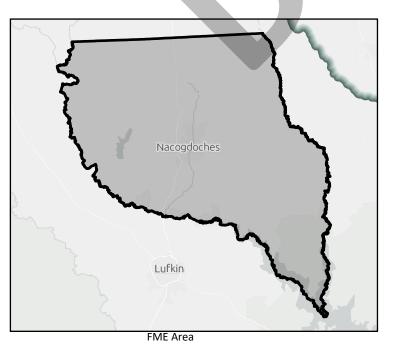
REGIONAL FLOOD PLANNING GROUP

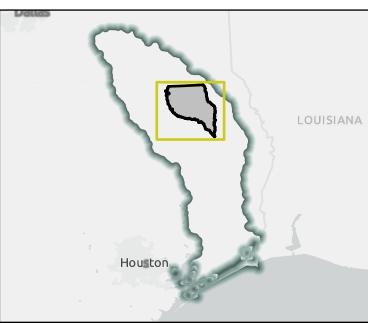
Study Details								
Study type	Watershed Plan	ning		County Nacogdoches				
				isk, develop conceptual alter al alternatives should evaluat				
FME to create new	H&H model? Y	es Emergency	Need? Yes A	anticipated models in near te	rm? Yes Drainage	area (sq. mi., est.) 977		
of their de Goal 2: Ar their desi Goal 3: RF new flood Goal 4: RF new flood Goal 5: Re	esign. n average of 25% gn. PG must conside d risk reduction p PG must conside d risk reduction p educe the number	6 of the new regional er in all projects and projects between 20 er in all projects and projects between 20 er of critical facilities	l infrastructure pr should incorpora 23 - 2033. should incorpora 33 - 2053. s in the 100-year fl	ojects between 2023 – 2033 ojects between 2033- 2053 v ite nature-based practices an ite nature-based practices an lood risk inundation extents lood risk inundation extents	vill utilize larger storm d floodplain preservati d floodplain preservati oy 15%.	events (>100-year) as the ba on in an average of 10% of t	asis of heir	
100-Year Flood	Risk Summar	у						
Population at risk	5,475		# of structures 5	85	# of critical facilities 1			
Flood risk type: Riv	verine? Yes	Coastal?	No Lo	ocal Flooding? Yes	Other? No			
Farm/Ranch land i	mpacted (ac.)	240		Roadways impacted (miles)	38			
# of low water cros	ssings	20		# of historical road closures	20			

Estimated Cost and Funding Availability

Total Cost \$1,900,000 Potential federal funding availability? Yes

Potential Federal Funding Sources





Title Orange County Master Drainage Plan

ID#	051000034	Sponsor	Orange (County)	
			Boscon for	Complies with RFPG Goals
Roco	mmended by	REDG2 Voc	Reason Ion	•
Necc	minenaea by	iniro: ies	Recommendation	



REGIONAL FLOOD PLANNING GROUP

Study Details												
Study type	Watershed Plar	nning				Count	y Orange	2				
Study description					ood risk, develop con ceptual alternatives sh						PCC for	
FME to create nev	۲ H&H model?	Yes E	mergency N	Need? Yes	Anticipated mode	els in near term	? Yes	Drainag	e area (sq	. mi., es	t.) 156	
of their d	esign.		-		ure projects between ure projects between			-		. ,		
their desi Goal 3: R new floor Goal 4: R new floor Goal 5: R	gn. FPG must consic d risk reduction FPG must consic d risk reduction educe the numb	ler in all p projects b ler in all p projects b per of critic	etween 202 rojects and etween 203 cal facilities	23 - 2033. should incc 33 - 2053. in the 100-	prporate nature-based prporate nature-based year flood risk inunda year flood risk inunda	practices and f tion extents by	loodplair 15%.			-		heir:
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Potential Federal

Funding Sources

Estimated Cost and Funding Availability

Total Cost \$450,000 Potential federal funding availability? Yes

 Widor
 OR ANGE

 Beaumont
 Or Neches

 Port Neches
 Or Neches

 Nederland
 Or Neches

LOUISIANA Houston

FME Area

Title Polk County Master Drainage Plan

ID# 051000035 Sponsor Polk (County)

Recommended by RFPG? Yes

Reason for Complies with RFPG Goals Recommendation



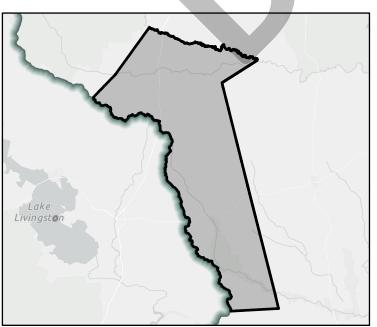
REGIONAL FLOOD PLANNING GROUP

Study Details										
Study type	Watershed F	Planning			County Polk					
Study description		Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.								
FME to create nev	v H&H model	? Yes E	mergency Need? Yes	Anticipated models in ne	ar term? Yes	Drainage area (sq. mi.	, est.) 535			
of their d Goal 2: A their des Goal 3: R new floo Goal 4: R new floo Goal 5: R	esign. n average of i ign. FPG must cor d risk reductio FPG must cor d risk reductio educe the nu	25% of the ne isider in all pr on projects be isider in all pr on projects be mber of critic	w regional infrastructur ojects and should incorp etween 2023 - 2033. ojects and should incorp etween 2033 - 2053. al facilities in the 100-ye	e projects between 2023 – 2 re projects between 2033- 2 porate nature-based practic porate nature-based practic ear flood risk inundation ext ear flood risk inundation ext	053 will utilize la es and floodplair es and floodplair ents by 15%.	rger storm events (>100 preservation in an aver	-year) as the basis of rage of 10% of their			
100-Year Flood	Risk Summ	nary								
Population at risk	368		# of structure	es 84	# of critica	facilities 0				
Flood risk type: R	iverine? Yes		Coastal? No	Local Flooding? No	Other?	Yes				
Farm/Ranch land	impacted (ac.) 62		Roadways impacted (n	niles) 17					
# of low water cro	ossings	8		# of historical road clo	sures 8					

Estimated Cost and Funding Availability

Total Cost \$150,021 Potential federal funding availability? Yes

Potential Federal FIF Grant; Local Funds Funding Sources





FME Area

Title Rusk County Master Drainage Plan

ID# 051000036 Sponsor Rusk (County)

Recommended by RFPG? Yes

Reason for Recommendation Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details							
Study type	Watershed Planning			Cour	nty Rusk		
Study description		ng to identify and define flo es, and rank projects. Conce					
FME to create nev	v H&H model? Yes	Emergency Need? Yes	Anticipated	d models in near tern	m? Yes [Drainage area (sq. mi.,	est.) 525
of their d Goal 2: Ar their desi Goal 3: Rf new flood Goal 4: Rf new flood Goal 5: Re	lesign. In average of 25% of the ign. FPG must consider in al d risk reduction project FPG must consider in al d risk reduction project educe the number of co	e new regional infrastructu e new regional infrastructu all projects and should incor ts between 2023 - 2033. all projects and should incor ts between 2033 - 2053. critical facilities in the 100-y critical facilities in the 100-y	ure projects betw rporate nature- rporate nature- year flood risk ir	ween 2033- 2053 wi -based practices and -based practices and nundation extents by	ill utilize large I floodplain p I floodplain p y 15%.	er storm events (>100-)	year) as the basis of ge of 10% of their
100-Year Flood	Risk Summary						
Population at risk	-	# of structur	res 91	1	# of critical fa	acilities 1	
Flood risk type: Ri	iverine? Yes	Coastal? No	Local Floodi	ing? Yes	Other? N	lo	
Farm/Ranch land i	impacted (ac.) 206		Roadway	ys impacted (miles)	21		
# of low water cro	ossings 0		# of histo	orical road closures	0		
Estimated Cost Total Cost \$1,400,000		ability tial federal g availability? Yes		Potential Federal Funding Sources			LOUISIAN
		Some S		÷	Houst	on	5

FME Area

Title Sabine County Master Drainage Plan

ID# 051000037 Sponsor Sabine (County) Recommended by RFPG? Yes Reason for Recommendation



REGIONAL FLOOD PLANNING GROUP

Study Details					
Study type	Watershed Planning		C	ounty Sabine	
Study description				ernatives to reduce flood risk, deve late feasibility of nature based solu	
FME to create new	v H&H model? Yes	Emergency Need? Yes A	nticipated models in near	term? Yes Drainage area (sq.	mi., est.) 95
of their d Goal 2: A their desi Goal 3: R new floor Goal 4: R new floor Goal 5: R	esign. n average of 25% of the ign. FPG must consider in all d risk reduction projects FPG must consider in all d risk reduction projects educe the number of cri	new regional infrastructure projects and should incorpora between 2023 - 2033. projects and should incorpora	ojects between 2033- 2053 te nature-based practices a te nature-based practices a ood risk inundation extent		100-year) as the basis of verage of 10% of their
100-Year Flood	Risk Summary				
Population at risk	16	# of structures 1	i	# of critical facilities 0	
Flood risk type: R	iverine? Yes	Coastal? No Lo	ocal Flooding? Yes	Other? Yes	
Farm/Ranch land	impacted (ac.) 5		Roadways impacted (mile	es) 3	
# of low water cro	ossings 1		# of historical road closur	res 1	
Total Cost \$76,348		Il federal availability?	Potential Feder Funding Source		
N E		Hemphill Sabine National Forest			LOUISIANA

FME Area

Title San Augustine County Master Drainage Plan

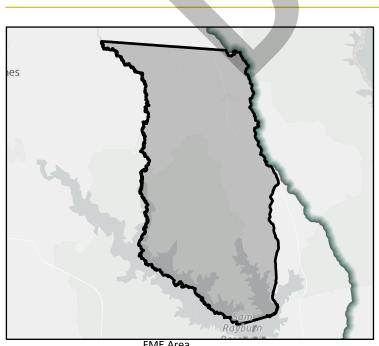
ID#	051000038	Spons	or	San Augustine (Coun	
Reco	ommended by	r RFPG? Ye	es	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details						
Study type	Watershed Pla	nning		Ca	ounty San Augustine	
		-	•		ernatives to reduce flood risk, deve ate feasibility of nature based solu	•
FME to create new	H&H model?	Yes Emerge	ency Need? Yes	Anticipated models in near t	erm? Yes Drainage area (sq.	mi., est.) 533
of their de Goal 2: Ar their desig Goal 3: RF new flood Goal 4: RF new flood Goal 5: Re	esign. n average of 25 gn. PG must consi risk reduction PG must consi risk reduction duce the num	% of the new reg der in all projects projects betwee der in all projects projects betwee ber of critical faci ber of critical faci	ional infrastructu and should incor n 2023 - 2033. and should incor n 2033 - 2053. lities in the 100-ye	re projects between 2033- 2053 porate nature-based practices a		100-year) as the basis of verage of 10% of their
		u y	# of structur		# of critical facilities 0	
Population at risk					_	
Flood risk type: Riv	verine? Yes	Coas	stal? No	Local Flooding? Yes	Other? No	
Farm/Ranch land in	mpacted (ac.)	42		Roadways impacted (mile	s) 13	
# of low water cros	ssings	2		# of historical road closure	es 2	
Estimated Cost	and Funding	Availability				
Total Cost \$379,732		Potential federal funding availabil	Voc	Potential Feder Funding Source		

Funding Sources



funding availability?

Cost



FME Area