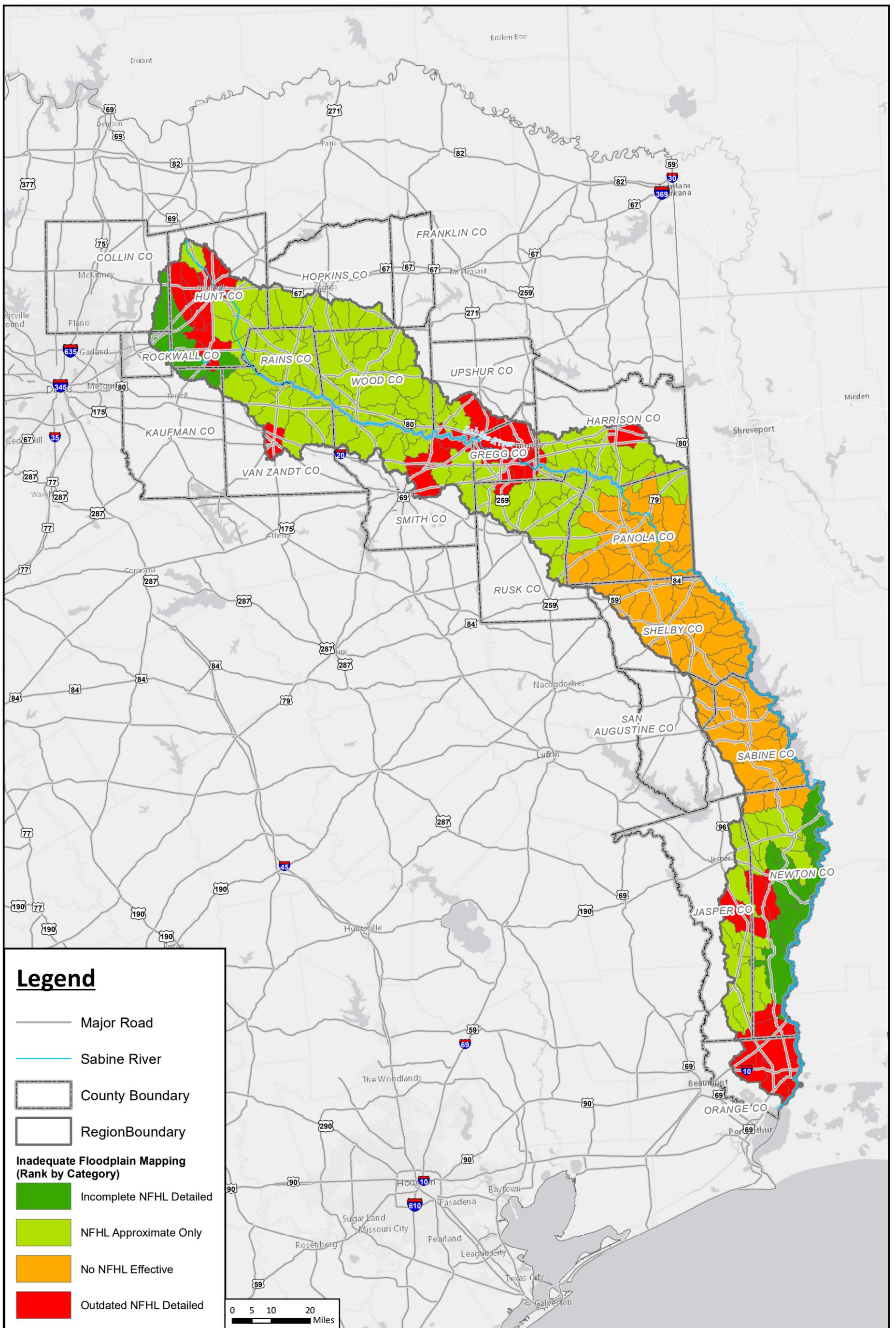


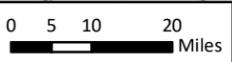
**APPENDIX 4-A**  
**SUPPORTING MAPS FOR CHAPTER 4**

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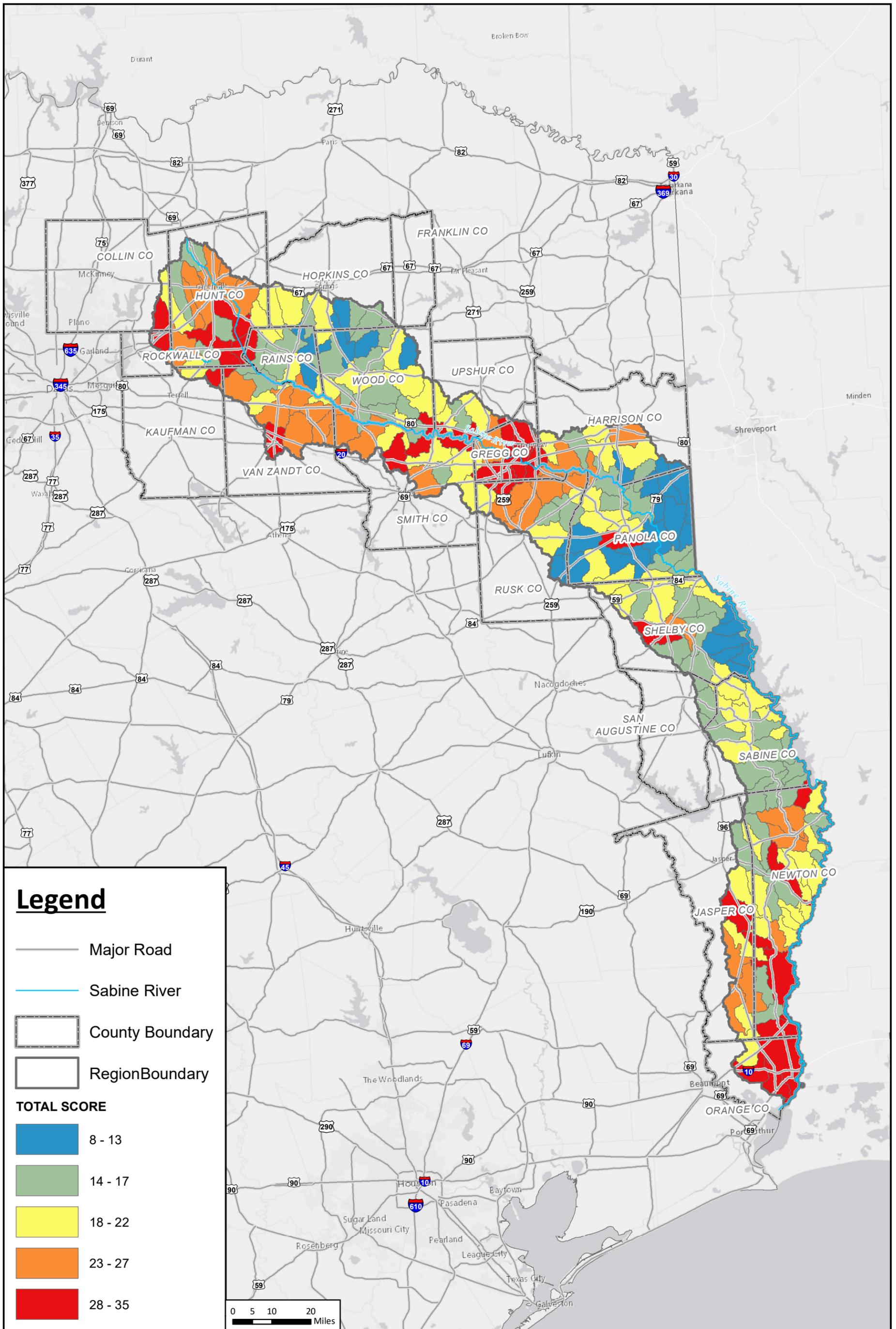


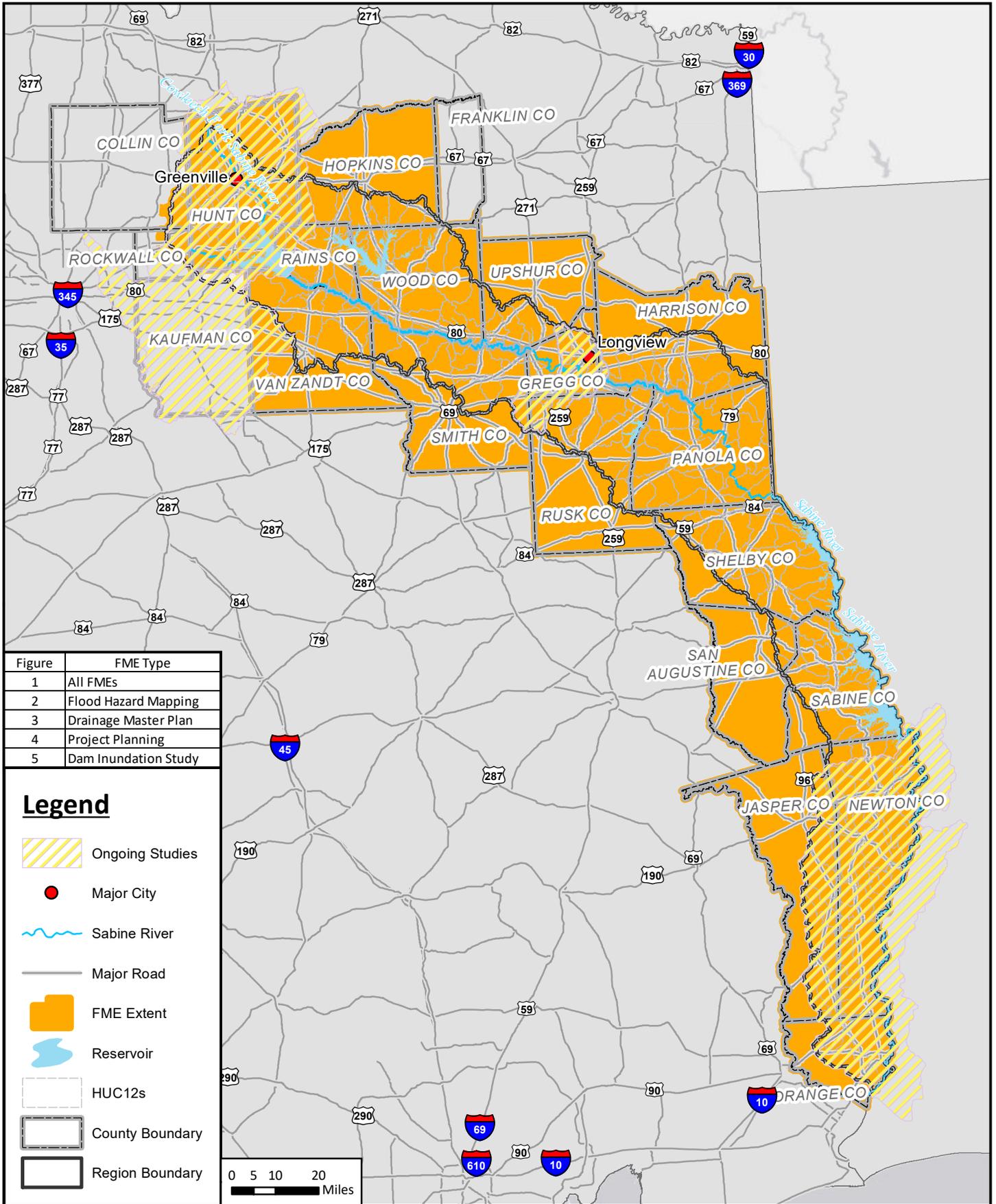
**Legend**

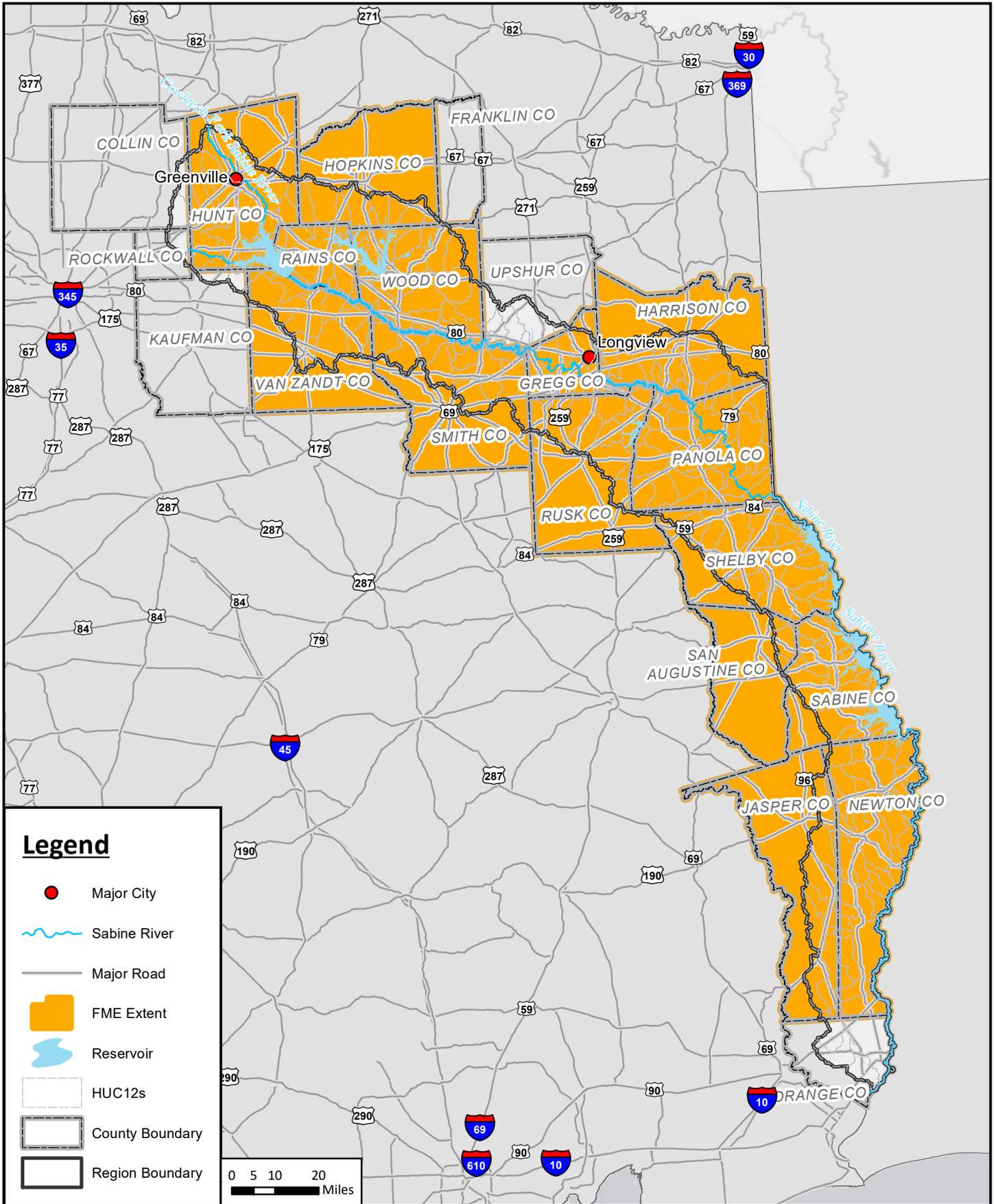
-  Major Road
-  Sabine River
-  County Boundary
-  Region Boundary
- Inadequate Floodplain Mapping (Rank by Category)**
-  Incomplete NFHL Detailed
-  NFHL Approximate Only
-  No NFHL Effective
-  Outdated NFHL Detailed



DELIVERABLES\FRP\2023\Region\_04\FinalPlan\FinalData\Static Maps\Map\_14\_GapsFloodRisk.mxd

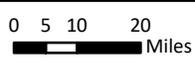






**Legend**

-  Major City
-  Sabine River
-  Major Road
-  FME Extent
-  Reservoir
-  HUC12s
-  County Boundary
-  Region Boundary

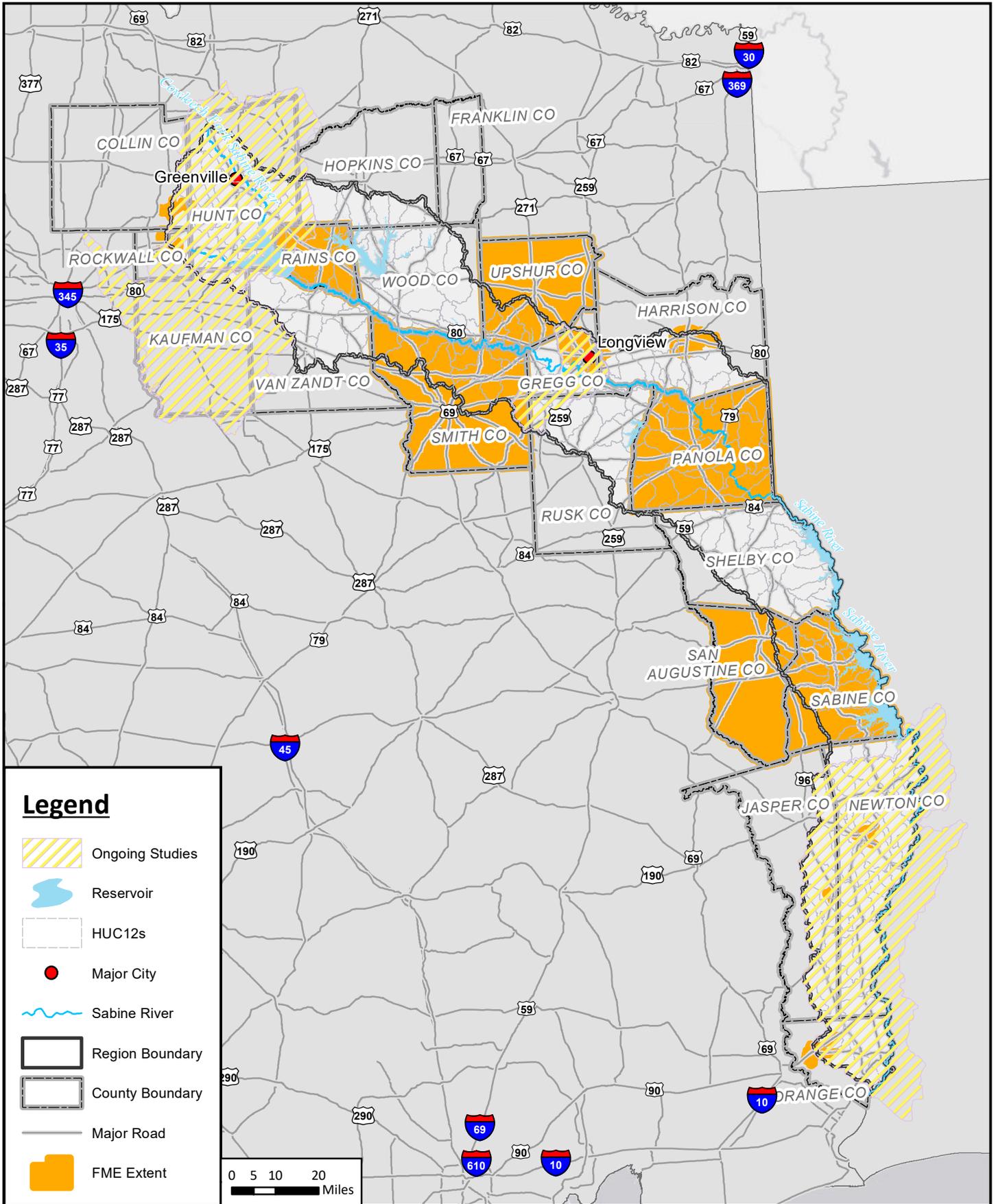


**Sabine Regional Flood Plan**

Extent of Potential Flood Management Evaluations: Flood Hazard Mapping

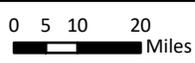


**MAP 16**  
FIGURE 2 of 5



**Legend**

-  Ongoing Studies
-  Reservoir
-  HUC12s
-  Major City
-  Sabine River
-  Region Boundary
-  County Boundary
-  Major Road
-  FME Extent

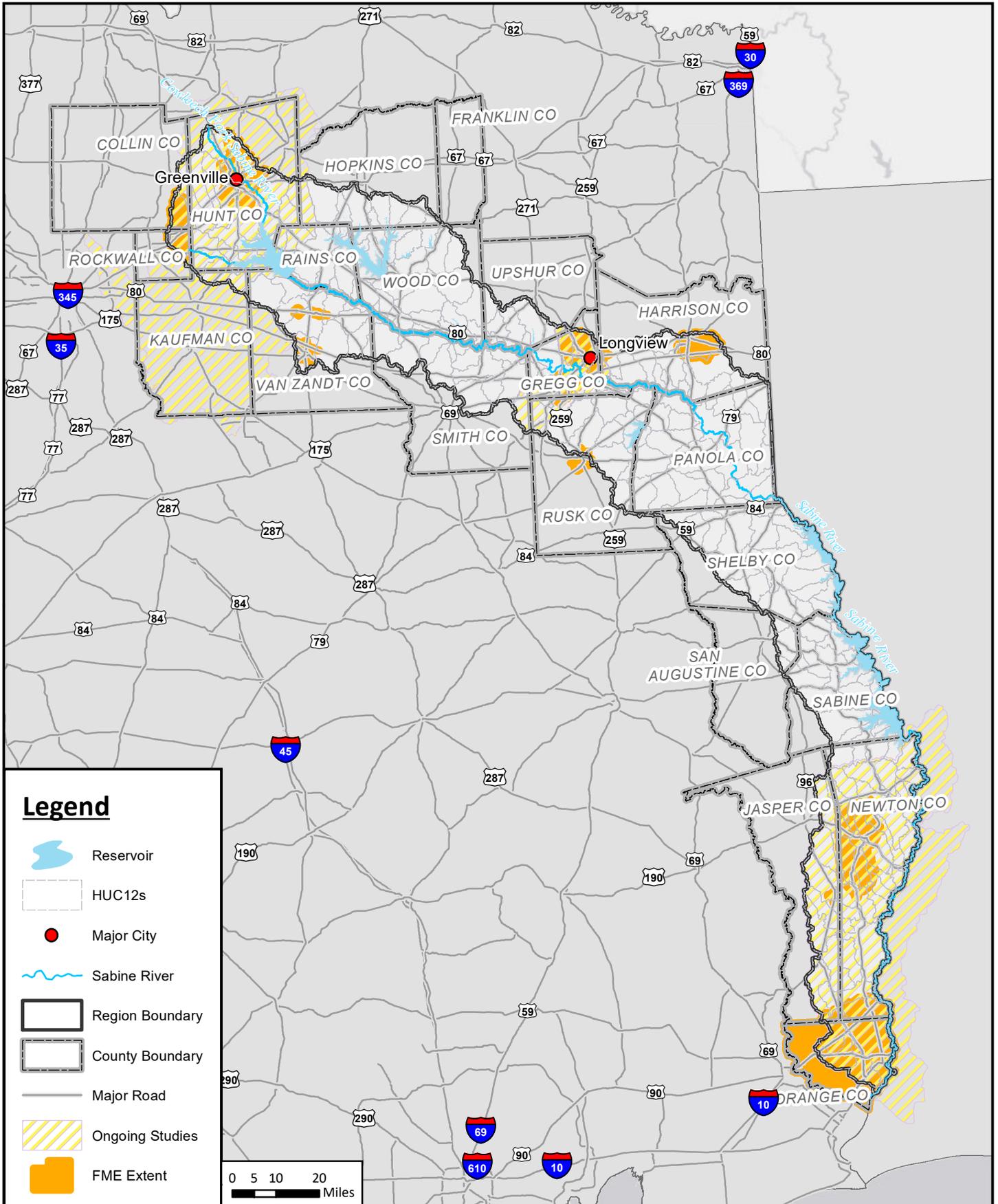


**Sabine Regional Flood Plan**

Extent of Potential Flood Management Evaluations: Drainage Master Plan

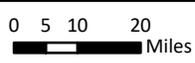


**MAP 16**  
FIGURE 3 of 5



**Legend**

- Reservoir
- HUC12s
- Major City
- Sabine River
- Region Boundary
- County Boundary
- Major Road
- Ongoing Studies
- FME Extent

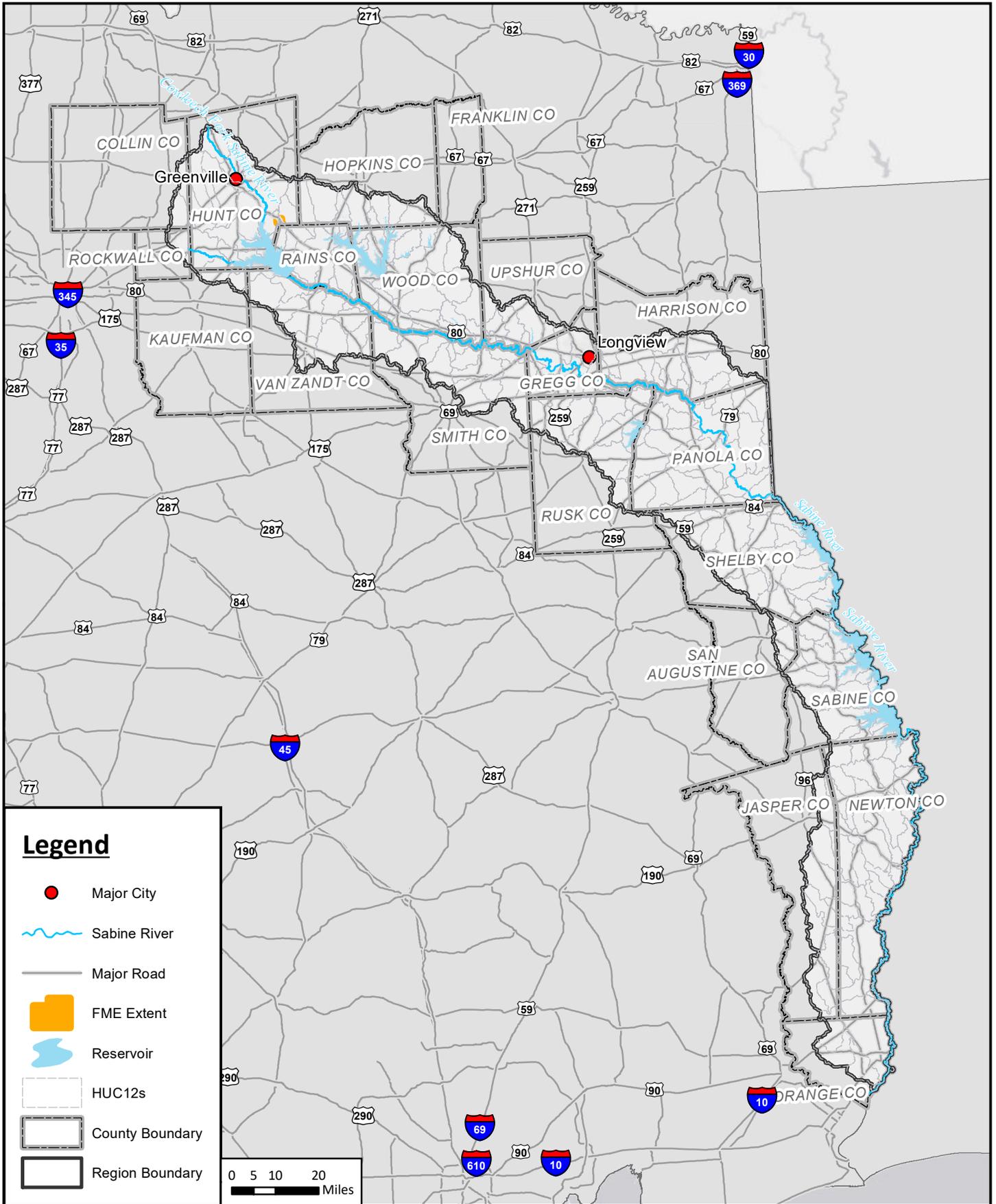


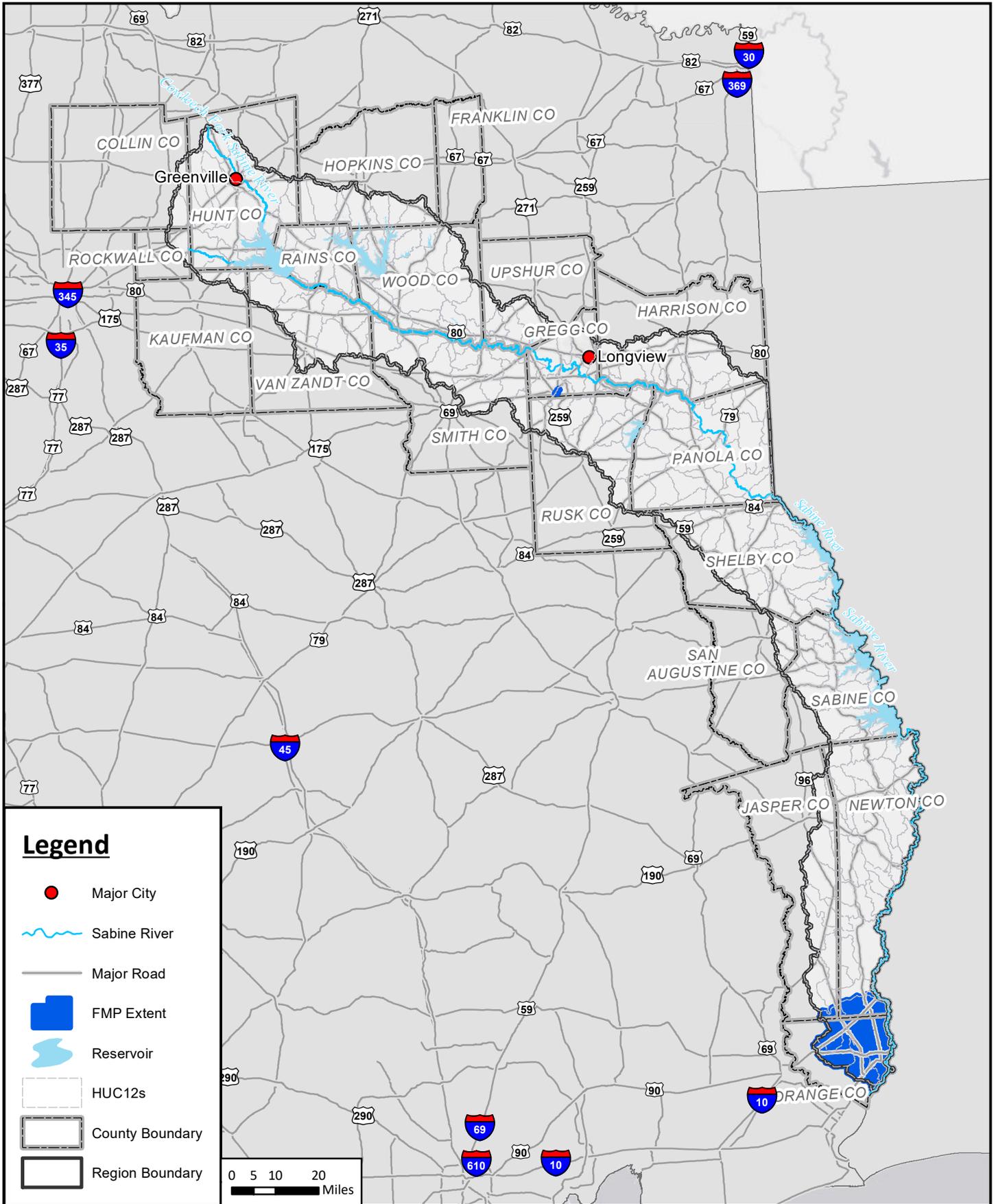
**Sabine Regional Flood Plan**

Extent of Potential Flood Management Evaluations: Project Planning



**MAP 16**  
FIGURE 4 of 5





REGION 4



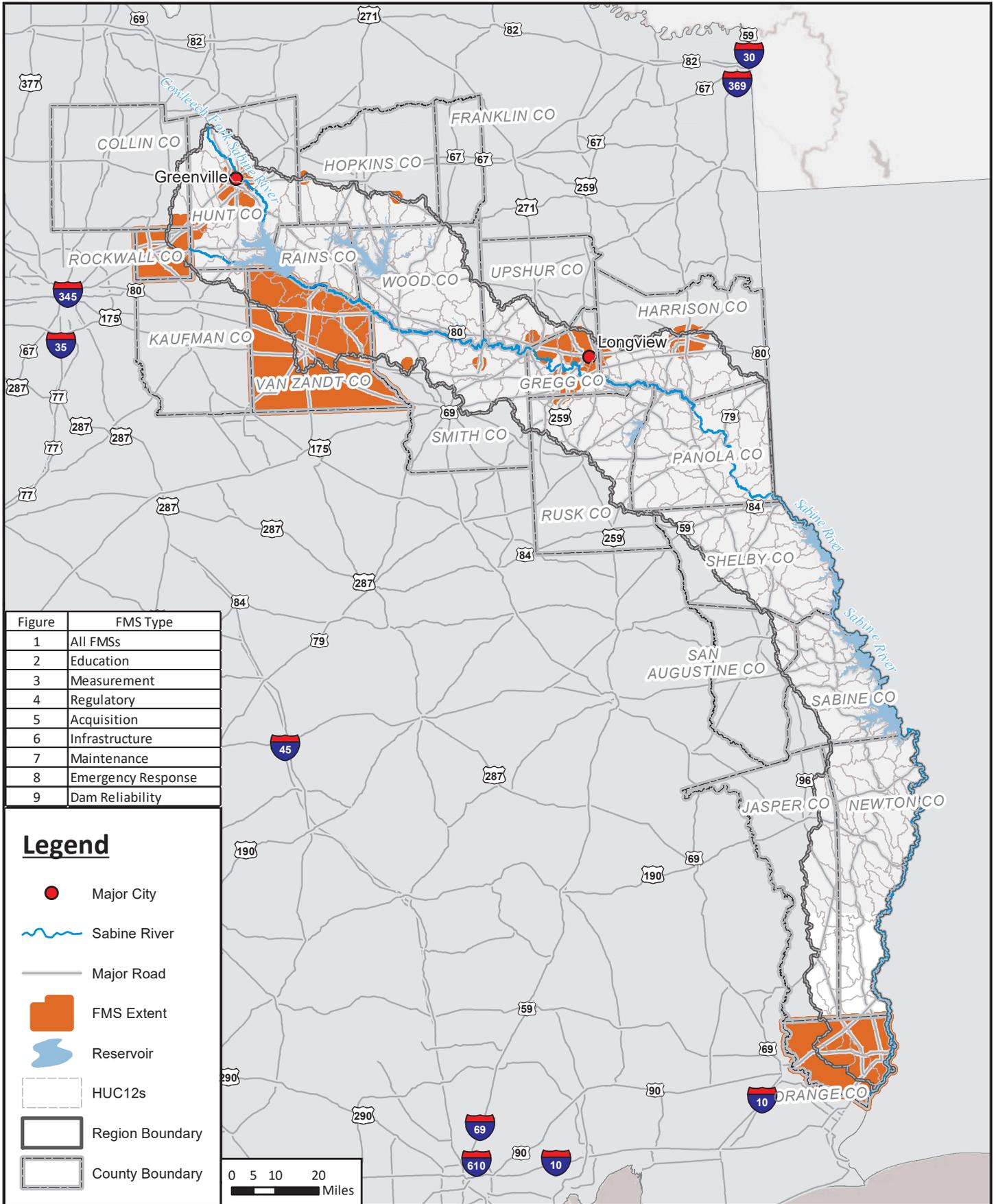
# Sabine Regional Flood Plan

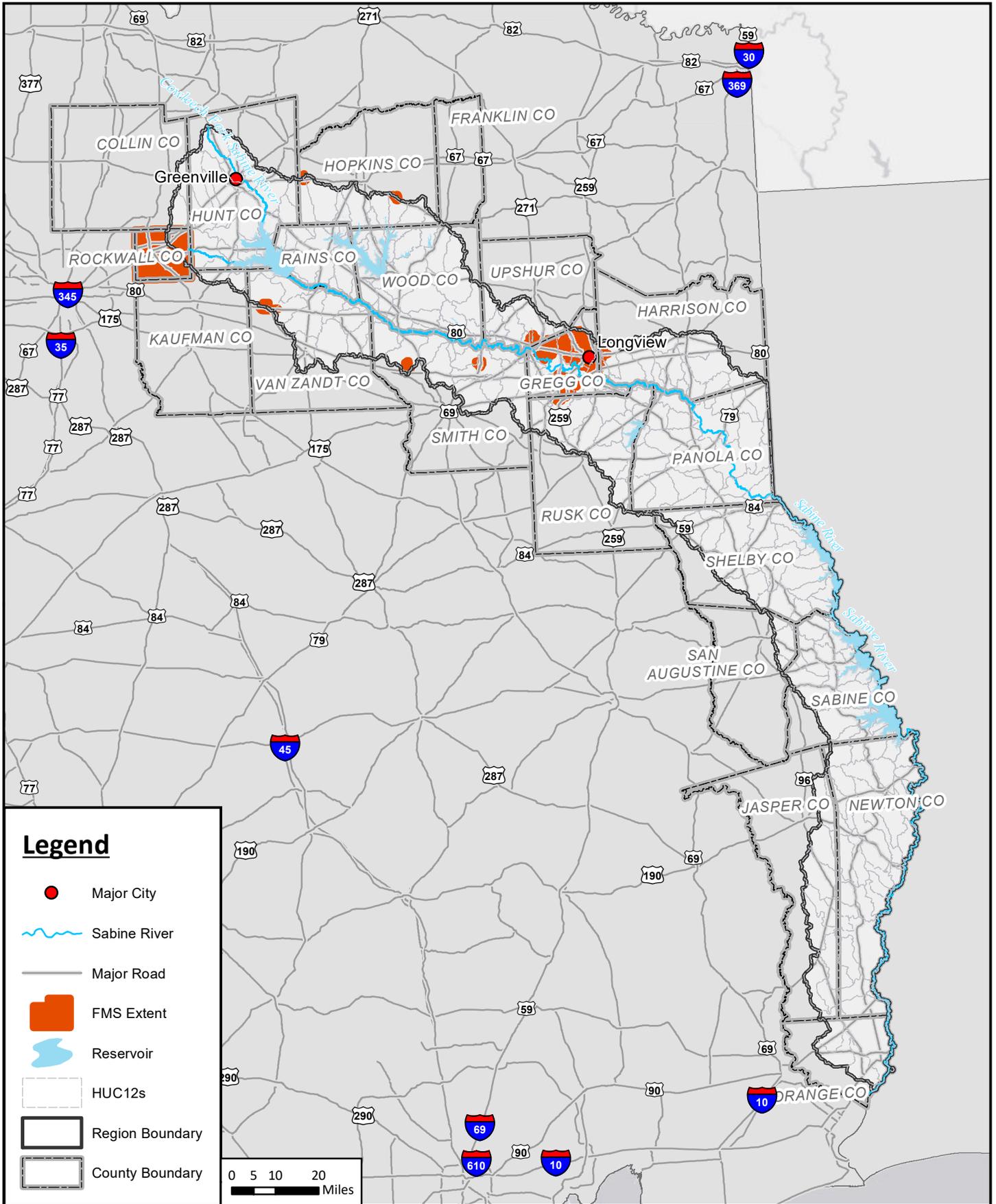
Extent of Potential Flood Mitigation Projects

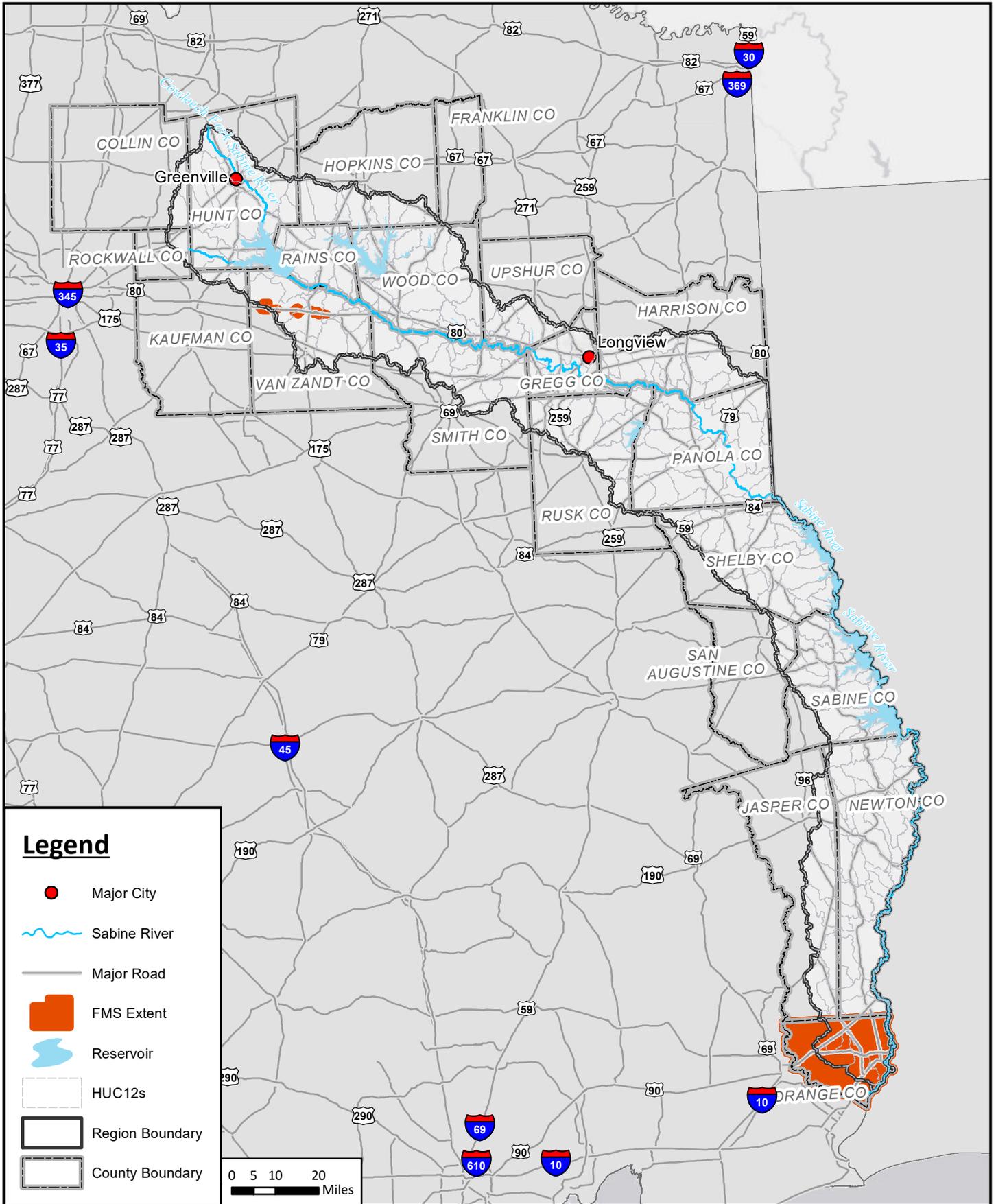


MAP

17

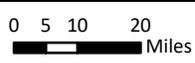






**Legend**

- Major City
- ~ Sabine River
- Major Road
- FMS Extent
- Reservoir
- HUC12s
- Region Boundary
- County Boundary



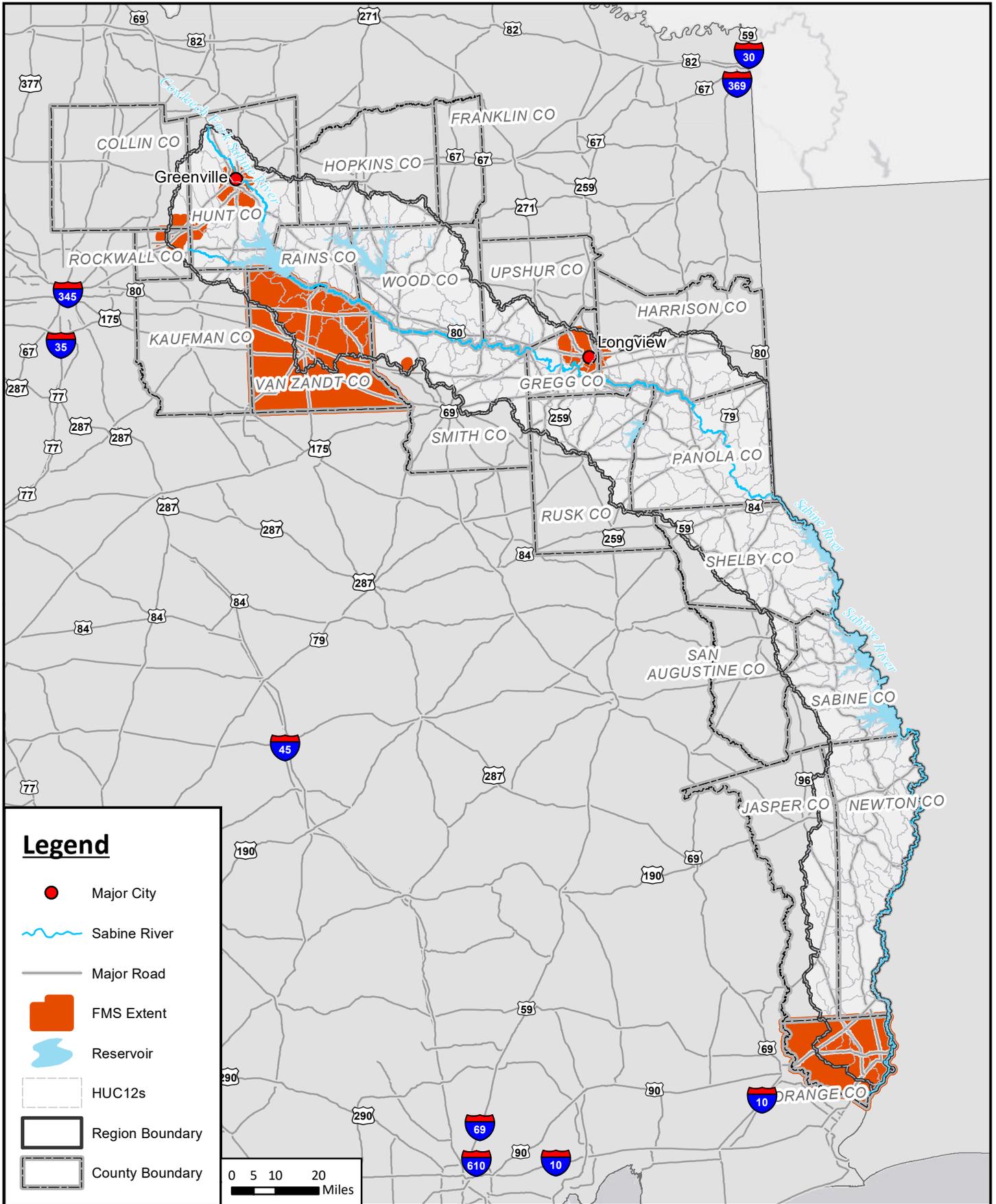
REGION 4

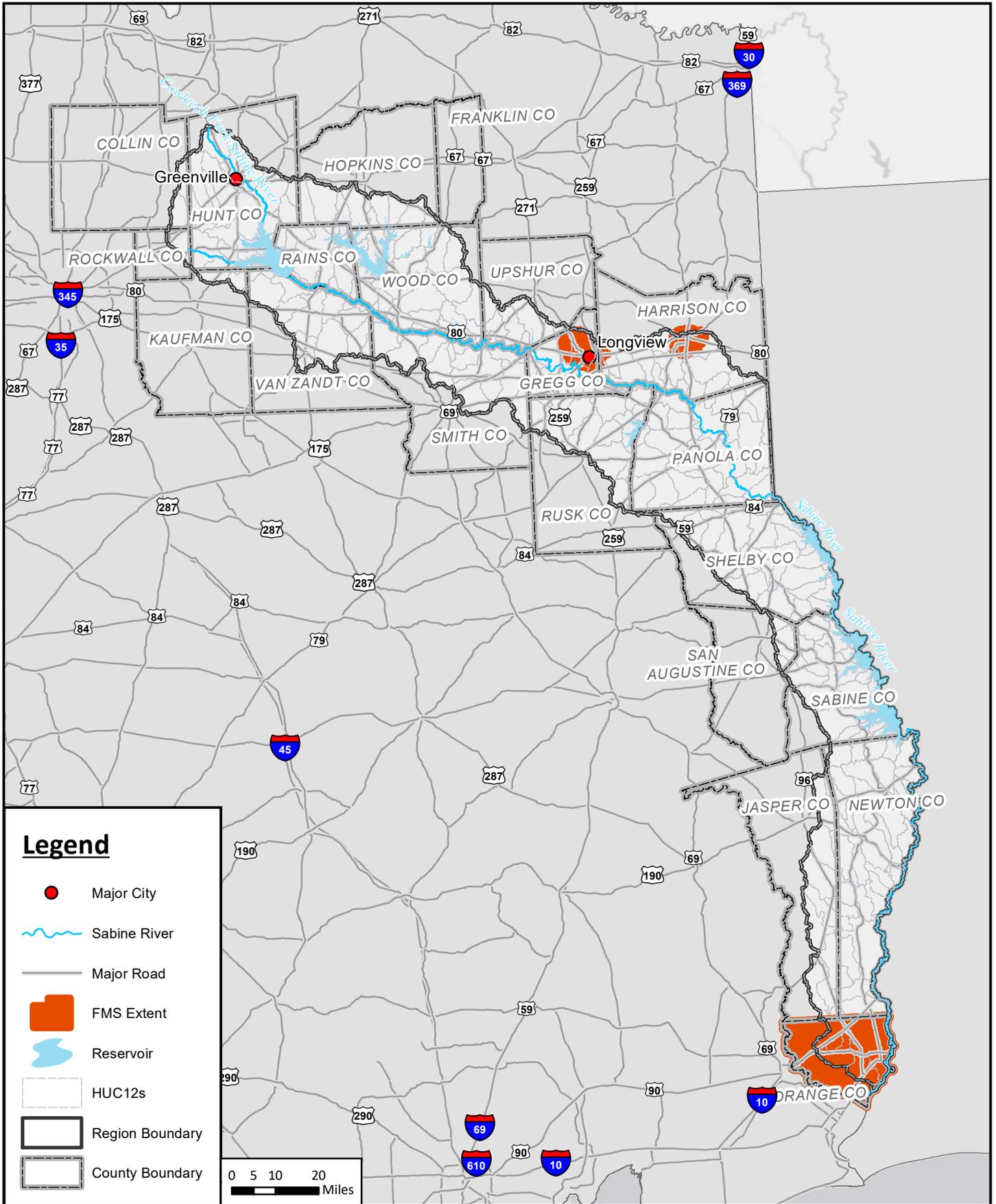
**Sabine Regional Flood Plan**

Extent of Potential Flood Mitigation Strategies: Flood Measurement and Warning



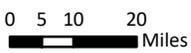
**MAP 18**  
FIGURE 3 of 9





**Legend**

-  Major City
-  Sabine River
-  Major Road
-  FMS Extent
-  Reservoir
-  HUC12s
-  Region Boundary
-  County Boundary



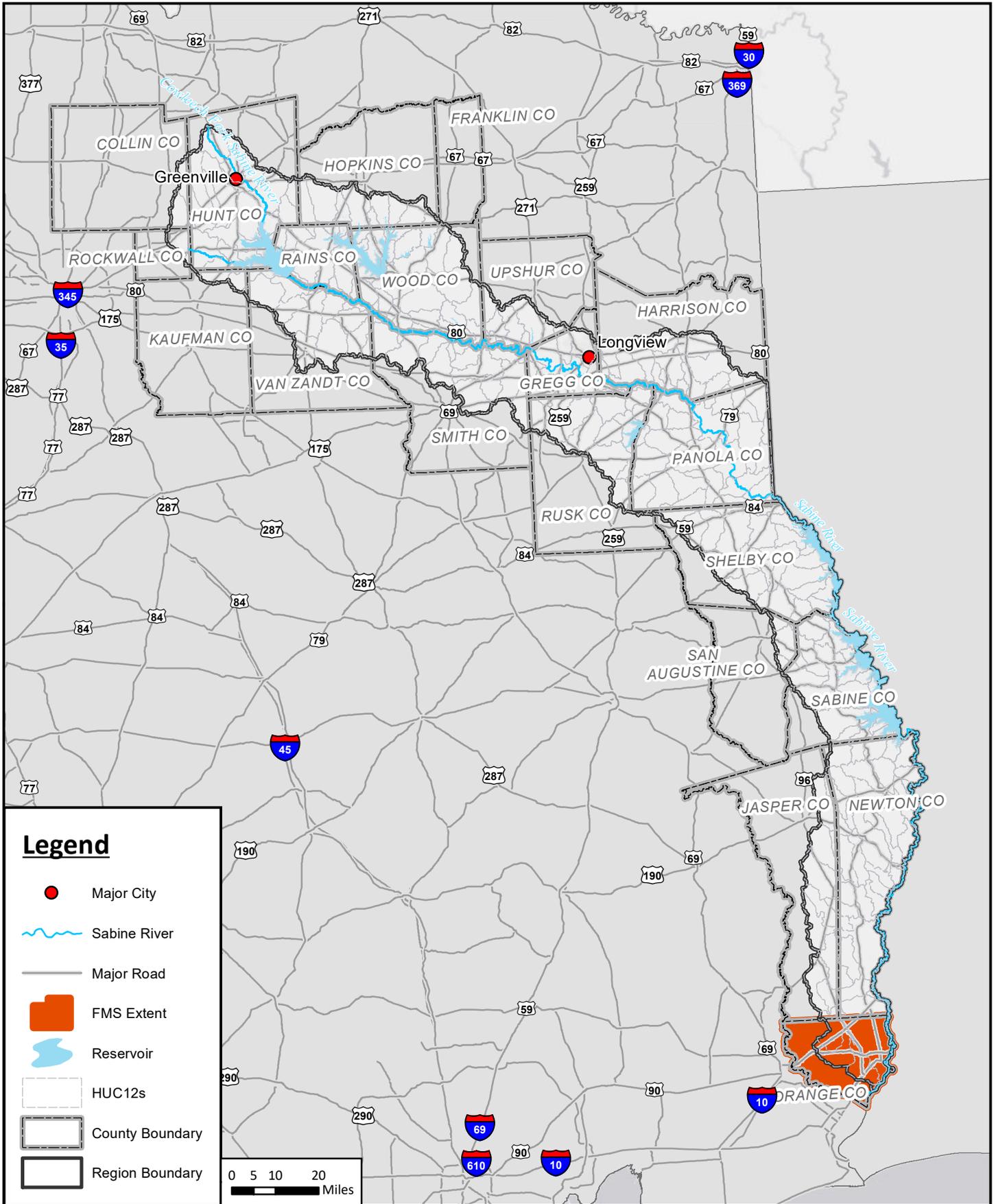
REGION 4

**Sabine Regional Flood Plan**

Extent of Potential Flood Mitigation Strategies: Property Acquisition

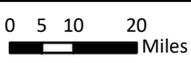


**MAP 18**  
FIGURE 5 of 9



**Legend**

- Major City
- ~ Sabine River
- Major Road
- FMS Extent
- Reservoir
- HUC12s
- County Boundary
- Region Boundary



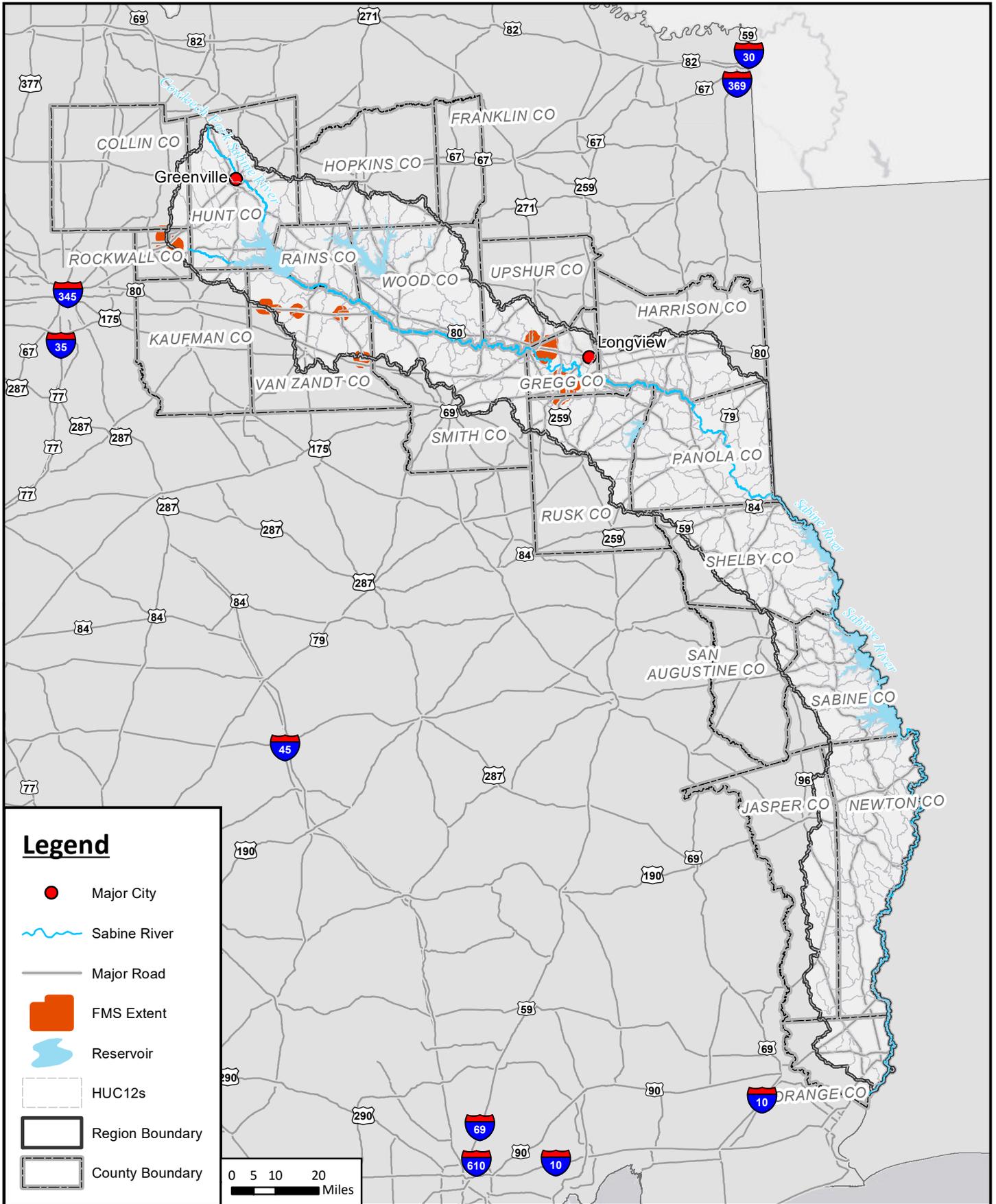
REGION 4

**Sabine Regional Flood Plan**

Extent of Potential Flood Mitigation Strategies: Infrastructure Projects

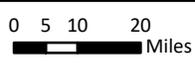


**MAP 18**  
FIGURE 6 of 9



**Legend**

-  Major City
-  Sabine River
-  Major Road
-  FMS Extent
-  Reservoir
-  HUC12s
-  Region Boundary
-  County Boundary



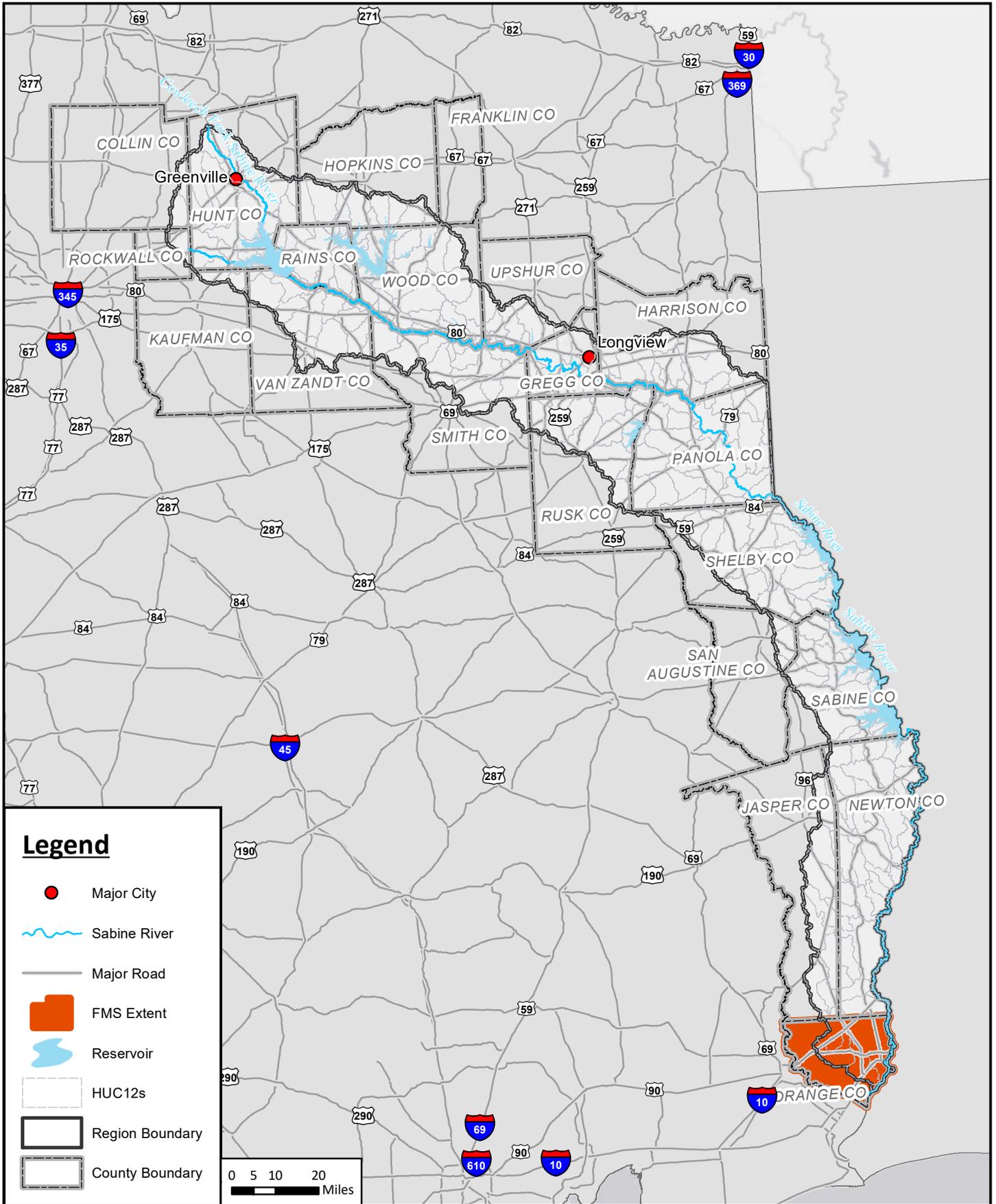
REGION 4

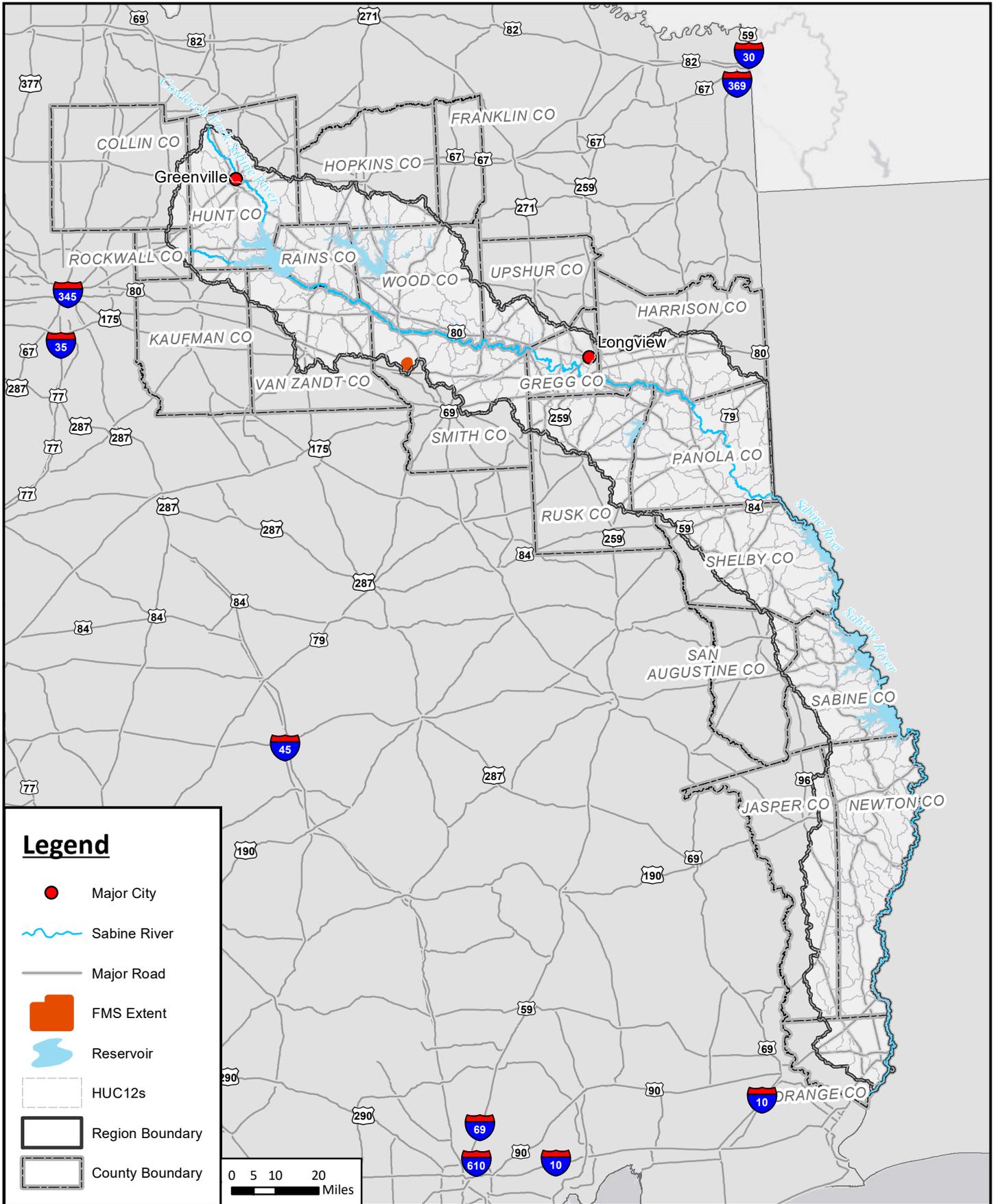
**Sabine Regional Flood Plan**

Extent of Potential Flood Mitigation Strategies: Maintenance Program



**MAP 18**  
FIGURE 7 of 9





**APPENDIX 4-B**  
**SUPPORTING TABLES FOR CHAPTER 4**

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Table 12: Potential Flood Management Evaluations Identified by RFPG

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	
041000002	4	Sabine	Newton County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Newton, Sabine	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Watershed Planning	936	Riverine, Coastal	Newton	Newton	Yes	\$2,340,000	Yes	3,237	1990	3,373	324	10	10	152	8,621	BLE, 2022		
041000003	4	Sabine	Smith County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Smith, Van Zandt, Rains, Wood	12010001, 12010002	120100010603, 120100010608, 120100010607, 120100020105, 120100020101, 120100020106, 120100020107, 120100020501, 120100020301, 120100020302, 120100020303, 120100020403, 120100020404, 120100020405, 120100020502, 120100020102, 120100020104	Upper Sabine, Middle Sabine	Watershed Planning	946	Riverine	Smith	Smith	Yes	\$4,275,000	Yes	1,303	767	2,893	7	0	0	61	10,559	BLE, 2022		
041000004	4	Sabine	Smith County Drainage Master Plan	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.	04000012, 04000013, 04000014	Smith, Van Zandt, Rains, Wood	12010001, 12010002	120100010603, 120100010608, 120100010607, 120100020105, 120100020101, 120100020106, 120100020107, 120100020501, 120100020301, 120100020302, 120100020303, 120100020403, 120100020404, 120100020405, 120100020502, 120100020102, 120100020104	Upper Sabine, Middle Sabine	Watershed Planning	946	Riverine	Smith	Smith	Yes	\$1,900,000	Yes	1,303	767	2,893	7	0	0	61	10,559	BLE, 2022		
041000005	4	Sabine	Harrison County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Panola, Harrison	12010002	120100020906, 120100020904, 120100021102, 120100020703, 120100020601, 120100020602, 120100020603, 120100020607, 120100020608, 120100020701, 120100020702, 120100020704, 120100020706, 120100020903, 120100020705, 120100021101	Middle Sabine	Watershed Planning	912	Riverine	Harrison	Harrison	Yes	\$1,850,000	Yes	1,086	782	6,481	3	2	2	82	9,144	BLE, 2022		
041000006	4	Sabine	Van Zandt County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Van Zandt, Rains, Hunt	12010001	120100010407, 120100010503, 120100010501, 120100010502, 120100010504, 120100010601, 120100010507, 120100010603, 120100010608, 120100010605, 120100010607, 120100010505, 120100010405, 120100010604	Upper Sabine	Watershed Planning	856	Riverine	Van Zandt	Van Zandt	Yes	\$2,230,000	Yes	1,080	452	1,954	13	9	9	79	26,372	BLE, 2022		
041000007	4	Sabine	Upshur County Drainage Master Plan	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.	04000012, 04000013, 04000014	Smith, Wood, Upshur	12010002	120100020107, 120100020205, 120100020206, 120100020402, 120100020401, 120100020403, 120100020405, 120100020504, 120100020505	Middle Sabine	Watershed Planning	590	Riverine	Upshur	Upshur	Yes	\$200,000	Yes	328	222	299	0	4	4	28	4,148	BLE, 2022		
041000008	4	Sabine	Sabine County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Sabine	12010004	120100040903, 120100040904, 120100040905, 120100041003, 120100040703, 120100040702, 120100040901, 120100040902, 120100041005, 120100041104, 120100040807, 120100040806, 120100041002, 120100041106, 120100041105, 120100041103, 120100041004, 120100041101, 120100041102	Toledo Bend Reservoir	Watershed Planning	574	Riverine	Sabine	Sabine	Yes	\$1,100,000	Yes	1,611	1245	764	0	6	6	33	2,311	BLE, 2022		
041000009	4	Sabine	Sabine County Drainage Master Plan	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.	04000012, 04000013, 04000014	Sabine	12010004	120100040903, 120100040904, 120100040905, 120100041003, 120100040703, 120100040702, 120100040901, 120100040902, 120100041005, 120100041104, 120100040807, 120100040806, 120100041002, 120100041106, 120100041105, 120100041103, 120100041004, 120100041101, 120100041102	Toledo Bend Reservoir	Watershed Planning	574	Riverine	Sabine	Sabine	Yes	\$460,000	Yes	1,611	1245	764	0	6	6	33	2,311	BLE, 2022		
041000010	4	Sabine	San Augustine County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	San Augustine, Shelby	12010004	120100040701, 120100040702, 120100040901, 120100040902	Toledo Bend Reservoir	Watershed Planning	590	Riverine	San Augustine	San Augustine	Yes	\$100,000	Yes	1	0	0	0	0	0	0	2	346	BLE, 2022	
041000011	4	Sabine	San Augustine County Drainage Master Plan	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.	04000012, 04000013, 04000014	San Augustine, Shelby	12010004	120100040701, 120100040702, 120100040901, 120100040902	Toledo Bend Reservoir	Watershed Planning	590	Riverine	San Augustine	San Augustine	Yes	\$50,000	Yes	1	0	0	0	0	0	0	2	346	BLE, 2022	
041000012	4	Sabine	Shelby County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Rusk, Panola, Shelby	12010002, 12010004	120100040701, 120100040702, 120100040901, 120100040902	Middle Sabine, Toledo Bend Reservoir	Watershed Planning	831	Riverine	Shelby	Shelby	Yes	\$375,500	Yes	800	0	317	0	3	3	49	9,764	BLE, 2022		

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
041000013	4	Sabine	Rusk County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Rusk, Smith, Gregg	12010002	120100020501, 120100021004, 120100021005, 120100021006, 120100020506, 120100020502, 120100020503, 120100020601, 120100020603, 120100020604, 120100020605, 120100020606, 120100020608, 120100020801, 120100020803, 120100020901, 120100020804, 120100020802	Middle Sabine	Watershed Planning	935	Riverine	Rusk	Rusk	Yes	\$1,850,000	Yes	899	543	1,789	2	5	5	55	13,283	BLE, 2022	
041000014	4	Sabine	Panola County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Panola	12010002	120100020501, 120100021004, 120100021005, 120100021006, 120100020506, 120100020502, 120100020503, 120100020601, 120100020603, 120100020604, 120100020605, 120100020606, 120100020608, 120100020801, 120100020803, 120100020901, 120100020804, 120100020802	Middle Sabine	Watershed Planning	818	Riverine	Panola	Panola	Yes	\$3,700,000	Yes	750	317	1,870	2	10	10	119	24,459	BLE, 2022	
041000015	4	Sabine	Panola County Drainage Master Plan	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.	04000012, 04000013, 04000014	Panola	12010002	120100020501, 120100021004, 120100021005, 120100021006, 120100020506, 120100020502, 120100020503, 120100020601, 120100020603, 120100020604, 120100020605, 120100020606, 120100020608, 120100020801, 120100020803, 120100020901, 120100020804, 120100020802	Middle Sabine	Watershed Planning	818	Riverine	Panola	Panola	Yes	\$1,700,000	Yes	750	317	1,870	2	10	10	119	24,459	BLE, 2022	
041000016	4	Sabine	Rains County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Rains, Hunt	12010001, 12010003	120100010406, 120100010407, 120100010601, 120100010506, 120100010507, 120100010603, 120100010505, 120100010602, 120100030101, 120100030102, 120100030103, 120100030107, 120100030104, 120100030105, 120100030106, 120100030204	Upper Sabine, Lake Fork	Watershed Planning	257	Riverine	Rains	Rains	Yes	\$2,100,000	Yes	277	211	352	0	4	4	35	13,842	BLE, 2022	
041000017	4	Sabine	Rains County Drainage Master Plan	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.	04000012, 04000013, 04000014	Rains, Hunt	12010001, 12010003	120100010406, 120100010407, 120100010601, 120100010506, 120100010507, 120100010603, 120100010505, 120100010602, 120100030101, 120100030102, 120100030103, 120100030107, 120100030104, 120100030105, 120100030106, 120100030204	Upper Sabine, Lake Fork	Watershed Planning	257	Riverine	Rains	Rains	Yes	\$600,000	Yes	277	211	352	0	4	4	35	13,842	BLE, 2022	
041000018	4	Sabine	Wood County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Smith, Van Zandt, Rains, Wood	12010001, 12010002, 12010003	120100010406, 120100010407, 120100010601, 120100010506, 120100010507, 120100010603, 120100010505, 120100010602, 120100030101, 120100030102, 120100030103, 120100030107, 120100030104, 120100030105, 120100030106, 120100030204	Upper Sabine, Lake Fork	Watershed Planning	693	Riverine	Wood	Wood	Yes	\$3,200,000	Yes	1,546	813	2,449	7	1	1	105	18,534	BLE, 2022	
041000019	4	Sabine	Hopkins County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Wood, Hopkins, Franklin	12010002, 12010003	120100020201, 120100030101, 120100030102, 120100030103, 120100030104, 120100030105, 120100030106, 120100030205, 120100030201, 120100030202, 120100030203	Middle Sabine, Lake Fork	Watershed Planning	791	Riverine	Hopkins	Hopkins	Yes	\$1,550,000	Yes	156	87	104	0	5	5	48	13,195	BLE, 2022	
041000020	4	Sabine	Vidor Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Orange	12010005	120100051004, 120100051003	Lower Sabine	Watershed Planning	12	Riverine	Vidor	Vidor	Yes	\$1,200,000	Yes	1,154	1031	2,657	0	0	0	26	58	BLE, 2022	
041000021	4	Sabine	City of Fate Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Rockwall, Collin, Hunt	12010001	120100010301	Upper Sabine	Watershed Planning	12	Riverine	Fate	Fate	No	\$450,000	Yes	21	21	128	0	1	1	3	164	BLE, 2022	
041000022	4	Sabine	Nevada Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Rockwall, Collin, Hunt	12010001	120100010301	Upper Sabine	Watershed Planning	2	Riverine	Nevada	Nevada	No	\$100,000	Yes	1	1	3	0	0	0	0	11	BLE, 2022	
041000023	4	Sabine	City of Newton Drainage Master Plan	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.	04000012, 04000013, 04000014	Newton	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Watershed Planning	5	Riverine	City of Newton	City of Newton	No	\$100,000	Yes	96	48	181	17	2	2	3	33	BLE, 2022	

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
04100024	4	Sabine	Newton Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Newton	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Watershed Planning	5	Riverine	Newton	Newton	No	\$400,000	Yes	96	48	181	17	2	2	3	33	BLE, 2022	
04100025	4	Sabine	Longview Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Rusk, Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Watershed Planning	56	Riverine	Longview	Longview	Yes	\$1,100,000	Yes	1,379	1024	12,707	9	0	0	41	295	BLE, 2022	
04100026	4	Sabine	Josephine Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Collin, Hunt	12010001	120100010202, 120100010301	Upper Sabine	Watershed Planning	2	Riverine	Josephine	Josephine	No	\$100,000	Yes	94	79	147	0	1	1	1	110	BLE, 2022	
04100027	4	Sabine	Kirbyville Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Jasper, Newton	12010005	120100050901, 120100050607, 120100050608	Lower Sabine	Watershed Planning	2	Riverine	Kirbyville	Kirbyville	Yes	\$600,000	Yes	135	44	517	3	3	3	3	12	BLE, 2022	
04100028	4	Sabine	Marshall Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Harrison	12010002	120100020703, 120100020701, 120100020702, 120100020704	Middle Sabine	Watershed Planning	30	Riverine	Marshall	Marshall	No	\$500,000	Yes	561	374	4,969	0	0	0	18	222	BLE, 2022	
04100029	4	Sabine	Scottsville Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Harrison	12010002	120100020703	Middle Sabine	Watershed Planning	1	Riverine	Scottsville	Scottsville	No	\$300,000	Yes	22	20	48	0	0	0	0	72	BLE, 2022	
04100030	4	Sabine	City of Edgewood Stormwater Drain and Culvert Improvement Study	Install and upgrade undersized stormwater drains and culverts	04000007	Van Zandt	12010001	120100010502, 120100010504	Upper Sabine	Project Planning	1	Riverine	Edgewood	Edgewood	No	\$100,000	Yes	27	11	32	0	0	0	1	29	BLE, 2022	
04100031	4	Sabine	City of Edgewood Stormwater Detention Study	Increase drainage capacity; add stormwater detention and / or retention basins as deemed necessary to reduce flood risk upstream of Edgewood City Dam	04000007	Van Zandt	12010001	120100010502, 120100010504	Upper Sabine	Project Planning	1	Riverine	Edgewood	Edgewood	No	\$100,000	Yes	27	11	32	0	0	0	1	29	BLE, 2022	
04100032	4	Sabine	City of Greenville Critical Facilities Flood Protection Study	Elevation or flood proofing of critical structures and/or the construction of barriers around critical structures	04000004, 04000005	Hunt	12010001	120100010103, 120100010102, 120100010204, 120100010401	Upper Sabine	Project Planning	33	Riverine	Greenville	Greenville	No	\$300,000	Yes	429	254	6,227	28	0	0	26	1,339	BLE, 2022	
04100033	4	Sabine	City of Fruitvale Drainage Infrastructure Improvement Study	Evaluate access and road conditions for response vehicles. Develop and implement options to improve access and/or add redundant access routes in high risk areas.	04000001, 04000014	Van Zandt	12010001	120100010504, 120100010601	Upper Sabine	Project Planning	2	Riverine	Fruitvale	Fruitvale	No	\$200,000	Yes	4	1	12	0	0	0	2	127	BLE, 2022	
04100034	4	Sabine	City of Canton Drainage Infrastructure Improvements Study	Increase drainage capacity; install french drains or elevate building and upgrade undersized pipe under state Hwy	04000012	Van Zandt	12010001	120100010503, 120100010604	Upper Sabine	Project Planning	6	Riverine	Canton	Canton	No	\$300,000	Yes	231	45	1,054	12	2	2	4	147	BLE, 2022	
04100035	4	Sabine	City of Kilgore Drainage Infrastructure Improvements Study	Improvements to drainage infrastructure in the downtown area by installing new inlets and storm drains	04000014	Rusk	12010002	120100020506, 120100020405, 120100020502, 120100020503	Middle Sabine	Project Planning	19	Riverine	Kilgore	Kilgore	No	\$300,000	Yes	296	224	1,284	3	3	3	15	96	BLE, 2022	
04100036	4	Sabine	City of Kilgore Library Drainage Improvement Study	Construct network of underground drainage structures to capture and direct subsurface water away from the library structure	04000014	Rusk	12010002	120100020506, 120100020405, 120100020502, 120100020503	Middle Sabine	Project Planning	19	Riverine	Kilgore	Kilgore	Yes	\$400,000	Yes	296	224	1,284	3	3	3	15	96	BLE, 2022	
04100037	4	Sabine	City of Henderson Flood Instructure Improvements Study	Replace riprap lining with a concrete lining to increase maintenance efficiency and flood protection.	04000007	Rusk	12010002	120100020605, 120100020801	Middle Sabine	Project Planning	12	Riverine	Henderson	Henderson	Yes	\$200,000	Yes	27	24	629	0	0	0	0	15	BLE, 2022	
04100038	4	Sabine	City of Henderson Storm Drain Improvement Study	Install new storm drain system to address localized neighborhood drainage issues	04000007	Rusk	12010002	120100020605, 120100020801	Middle Sabine	Project Planning	12	Riverine	Henderson	Henderson	Yes	\$100,000	Yes	27	24	629	0	0	0	0	15	BLE, 2022	

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
041000039	4	Sabine	City of Longview Critical Facilities Flood Protection Study	Ensure that critical facilities owned by the jurisdiction are protected from flood.	04000003	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Project Planning	56	Riverine	Longview	Longview	Yes	\$85,000	Yes	1,379	1024	12,707	9	0	0	41	295	BLE, 2022	
041000040	4	Sabine	Lone Oak - Dam Inundation Study	Dam inundation study, safety study, and inventory of mitigation activities to implement for the county dams.	04000014	Hunt	12010001, 12010003	120100010406, 120100010401, 120100030102	Upper Sabine, Lake Fork	Other	1	Riverine	Lone Oak	Lone Oak	Yes	\$500,000	Yes	3	2	2	0	0	0	0	30	BLE, 2022	
041000041	4	Sabine	Kirbyville Drainage Improvement Study	Coordinate and improve storm water drainage throughout the county; encourage new development to balance impervious surfaces with adjacent green space	04000007, 04000014	Jasper	12010005	120100050901, 120100050607, 120100050608	Lower Sabine	Project Planning	2	Riverine	Kirbyville	Kirbyville	Yes	\$100,000	Yes	135	44	517	3	3	3	3	12	BLE, 2022	
041000042	4	Sabine	Feasibility Assessment and Conceptual Design of Dredging of Segments of Adams Bayou	H&H Study and Modeling for Feasibility Assessment of Dredging of Segments of Adams Bayou	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051100	Lower Sabine	Project Planning	146	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$2,000,000	Yes	10,571	8463	29,689	306	15	15	240	9,260	BLE, 2022	
041000043	4	Sabine	Feasibility Assessment and Conceptual Design of Dredging of Segments of Cow Bayou	H&H Study and Modeling for Feasibility Assessment of Dredging of Segments of Cow Bayou	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051003, 120100051004, 120100051005	Lower Sabine	Project Planning	119	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$600,000	Yes	7,655	6390	16,257	7	7	7	156	9,437	BLE, 2022	
041000044	4	Sabine	Feasibility Assessment and Conceptual Design of Dredging of Segments of Little Cypress Bayou	H&H Study and Modeling for Feasibility Assessment of Dredging of Segments of Little Cypress Bayou	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051100	Lower Sabine	Project Planning	146	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$1,000,000	Yes	10,571	8463	29,689	306	15	15	240	9,260	BLE, 2022	
041000045	4	Sabine	Feasibility Assessment and Conceptual Design of Constructing a Stormwater Detention Pond Adjacent to Cow Bayou near Claiborne Park	H&H Study and Modeling for Feasibility Assessment of Construction of a Stormwater Detention Pond Adjacent to Cow Bayou near Claiborne Park	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051003, 120100051004, 120100051005	Lower Sabine	Project Planning	119	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$600,000	Yes	7,655	6390	16,257	7	7	7	156	9,437	BLE, 2022	
041000046	4	Sabine	Feasibility Assessment and Conceptual Design of Increasing the Size of Culverts and Railroad Trestles on Major Drainage Structures	H&H Study and Modeling for Determination of Need and Feasibility Assessment for Increase in Size of Culverts and Railroad Trestles on Major Drainage Structures Throughout Orange County	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Project Planning	371	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$500,000	Yes	16,974	14040	44,427	276	22	22	364	17,171	BLE, 2022	

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
04100047	4	Sabine	Feasibility Assessment and Conceptual Design of Increasing Capacity of Drainage Ditches and Channels that Convey Stormwater from Neighborhoods	H&H Study and Modeling for Determination of Need and Feasibility Assessment of the Capacity of Drainage Ditches and Channels that Convey Stormwater from Neighborhoods Located Within Orange County	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Project Planning	371	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$1,000,000	Yes	16,974	14040	44,427	276	22	22	364	17,171	BLE, 2022	
04100048	4	Sabine	City of Fate Culvert Improvement Study	Culverts improvements to meet 100-YR fully developed conditions	04000007, 04000012, 04000013, 04000014	Rockwall, Collin, Hunt	12010001	120100010301	Upper Sabine	Project Planning	56	Riverine	Fate	Fate	No	\$100,000	Yes	295	220	828	0	12	12	18	4,104	BLE, 2022	
04100049	4	Sabine	Newton County Flood and Drainage Study	Reconstructing bridges and culverts in a major drainage basin flowing into the Sabine River in Newton County.	04000007, 04000012, 04000013, 04000014	Newton, Jasper	12010005	120100050504, 120100050601, 120100050602, 120100050603, 120100050605, 120100050606	Lower Sabine	Project Planning	159	Riverine	Newton	Newton	Yes	\$600,000	Yes	260	132	294	17	5	5	19	892	BLE, 2022	
04100050	4	Sabine	Orange County Drainage Improvements at Kinard Estates Study	First-time sewer service, detention pond, and other drainage improvements to reduce flooding and environmental impacts.	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Project Planning	371	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$250,000	Yes	16,974	14040	44,427	276	22	22	364	17,171	BLE, 2022	
04100051	4	Sabine	West Orange Drainage Improvements Study	West Orange Drainage Improvements Study to quantify benefits, evaluate impacts, and begin design.	04000012, 04000013, 04000014	Orange	12010005	120100051100	Lower Sabine	Project Planning	3	Riverine, Coastal	West Orange	West Orange	Yes	\$350,000	Yes	1,143	1007	2,990	0	0	0	20	30	BLE, 2022	
04100052	4	Sabine	Adams Bayou Detention Ponds Study	Flood Protection Planning Study Cow Bayou & Adams Bayou Alternative	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051100	Lower Sabine	Project Planning	146	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$600,000	Yes	10,571	8463	29,689	306	15	15	240	9,260	BLE, 2022	
04100053	4	Sabine	Cole Creek Detention Ponds Study	Flood Protection Planning Study Cow Bayou & Adams Bayou Alternative	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051003, 120100051004, 120100051005	Lower Sabine	Project Planning	119	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$600,000	Yes	7,655	6390	16,257	7	7	7	156	9,437	BLE, 2022	
04100054	4	Sabine	Cow Bayou Detention Ponds Study	Flood Protection Planning Study Cow Bayou & Adams Bayou Alternative	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051003, 120100051004, 120100051005	Lower Sabine	Project Planning	119	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$600,000	Yes	7,655	6390	16,257	7	7	7	156	9,437	BLE, 2022	
04100055	4	Sabine	North Airport Retention Pond	Feasibility Study of North Airport Retention Pond	04000007	Hunt	12010001	120100010102, 120100010103	Upper Sabine	Project Planning	80	Riverine	Greenville	Greenville	Yes	\$640,000	Yes	489	310	2,472	3	0	0	29	5,957	BLE, 2022	
04100056	4	Sabine	Parker Creek Detention Pond	Feasibility Study of Parker Creek Detention Pond	04000007	Harrison	12010002	120100020703	Middle Sabine	Project Planning	47	Riverine	Marshall	Marshall	Yes	\$380,000	Yes	598	397	5,258	1	0	0	23	897	BLE, 2022	
04100057	4	Sabine	Terry Bayou Detention Ponds Study	Flood Protection Planning Study Cow Bayou & Adams Bayou Alternative	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051004	Lower Sabine	Project Planning	40	Riverine	Orange County Drainage District	Orange County Drainage District	Yes	\$600,000	Yes	2,444	2143	5,198	0	1	1	55	3,308	BLE, 2022	
04100058	4	Sabine	Gregg County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Gregg	12010002	120100020402, 120100020403, 120100020404, 120100020405, 120100020501, 120100020502, 120100020503, 120100020504, 120100020505, 120100020506, 120100020601, 120100020602, 120100020603, 120100020606, 120100020608	Middle Sabine	Watershed Planning	274	Riverine	Gregg	Gregg	No	\$2,200,000	Yes	2,182	1544	11,464	26	1	1	86	1	BLE, 2022	
04100059	4	Sabine	Hunt County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Hunt	12010001, 12010003	120100010101, 120100010102, 120100010103, 120100010104, 120100010301, 120100010302, 120100010303, 120100010401, 120100010402, 120100010403, 120100010404, 120100010405, 120100010406, 120100010407, 120100030101, 120100030102	Upper Sabine, Lake Fork	Watershed Planning	879	Riverine	Hunt	Hunt	Yes	\$4,000,000	Yes	2,297	1325	5,968	45	10	10	137	6	BLE, 2022	
04100060	4	Sabine	Jasper County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000007, 04000012, 04000013, 04000014	Jasper	12010005	120100050601, 120100050602, 120100050603, 120100050604, 120100050605, 120100050607, 120100050608, 120100050801, 120100050802, 120100050803, 120100050804, 120100050901, 120100050902, 120100050905, 120100051001, 120100051002, 120100051003	Lower Sabine	Watershed Planning	966	Riverine	Jasper	Jasper	Yes	\$700,000	Yes	945	915	1,739	15	5	5	67	2	BLE, 2023	
04100061	4	Sabine	Lawrence Road Detention Pond Feasibility Study	Lawrence Road Detention Pond Feasibility Study	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051003, 120100051004, 120100051005	Lower Sabine	Project Planning	119	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$400,000	Yes	7,655	6390	16,257	7	7	7	156	9,437	BLE, 2024	
04100062	4	Sabine	Diversion Channel Cow Bayou Feasibility Study	Diversion Channel Cow Bayou Feasibility Study	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051003, 120100051004, 120100051005	Lower Sabine	Project Planning	119	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$5,209,500	Yes	7,655	6390	16,257	7	7	7	156	9,437	BLE, 2025	
04100063	4	Sabine	Parker Creek Corridor Study	Study of Parker Creek Corridor	04000007	Harrison	12010002	120100020703	Middle Sabine	Project Planning	47	Riverine	Longview	Longview	Yes	\$380,000	Yes	598	397	5,258	1	0	0	23	897	BLE, 2026	

Table 13: Potential Flood Mitigation Projects Identified by RFPG

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associated Goals (ID)	Counties	HUC12s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount
04300017	4	Sabine	Sabine Pass to Galveston Bay Coastal Storm Risk Management Project	Program comprised of improvements and construction of new infrastructure currently being implemented to reduce the risk of storm surge impacts in Orange, Jefferson, and Brazoria Counties in Texas.	04000007	Orange, Newton	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Flood Walls and Levees	265	Riverine	Orange County Drainage District	Orange County Drainage District	Yes	\$2,270,099,968	Yes \$836,499,968
04300018	4	Sabine	Kilgore Downtown Storm Sewer Master Plan Improvements	Downtown Storm Sewer Improvements	04000007	Gregg	120100020502, 120100020503	Middle Sabine	Storm Drain	1	Riverine, Coastal	Kilgore	Kilgore	No	\$2,242,305	No \$0

FMP ID	Flood Risk									Reduction in Flood Risk											
	Area in 100yr Floodplain	Area in 500yr Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical Facilities at 100-year flood risk	Number of low water crossings at flood risk	Estimated number of road closures	Estimated length of roads at 100-year flood risk (Miles)	Number of structures with reduced 100yr flood risk	Number of structures removed from 100yr flood risk	Number of structures removed from 500yr flood risk	Residential structures removed from 100yr flood risk	Estimated Population removed from 100yr flood risk	Critical facilities removed from 100yr flood risk	Number of low water crossings removed from 100yr flood risk	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)
043000017	52	99	7,929	6,107	15,906	206	21	0	158	Unknown	1618	783	1272	2375	9	21	Unknown	28	1,678.72	Unknown	Unknown
043000018	0	0	0	0	0	0	0	0	2	Unknown	0	0	0	0	0	0	Unknown	1	0.00	Unknown	Unknown

FMP ID	Pre-Project Level-of-Service	Post-Project Level-of-Service	Cost/ Structure removed	Percent Nature-based Solution (by cost)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
043000017	Unknown	500-Year	\$1,477,132	0%	Yes	Environmental Mitigation Included	0.806	No	Unknown	1.67	Yes	Aligns with RFPGoals
043000018	Unknown	100-Year	\$0	0%	No	N/A	0.962	No	Unknown	0.01	Yes	Aligns with RFPGoals

Table 14: Potentially Feasible Flood Management Strategies Identified by RFPG

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type
042000001	4	Sabine	Orange County Drainage District Design Criteria	Update Design Criteria	04000009, 04000018, 04000019	Orange	12010005	120100051100, 120100051003, 120100051004,	Lower Sabine	Regulatory and Guidance	371	Riverine, Coastal
042000002	4	Sabine	Orange County Property Buyouts	Administer program to acquire flood prone/repetitive loss properties and convert to open space, parks, boating access, trails, agricultural projects, and/or as a general community asset.	04000005	Orange	12010005	120100051100, 120100051003, 120100051004, 120100051005	Lower Sabine	Property Acquisition and Structural Elevation	371	Riverine, Coastal
042000003	4	Sabine	Orange County Drainage District Flood Warning System	Improvement of existing flood warning system	04000015	Orange	12010005	120100051100, 120100051003, 120100051004, 120100051005	Lower Sabine	Flood Measurement and Warning	371	Riverine, Coastal
042000004	4	Sabine	Orange County Detention Ponds Throughout County	Series of detention ponds to prevent flooding along IH-10, Hwy 12, Hwy 62, and Hwy 87 – the County’s evacuation routes.	04000007	Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Infrastructure Projects	371	Riverine, Coastal
042000005	4	Sabine	Van Zandt County Wide Floodplain Development Regulations	Incorporate higher standards for flood hazard resiliency in local application of the building code.	04000009, 04000018	Van Zandt	12010001	120100010407, 120100010503, 120100010501, 120100010502, 120100010504, 120100010601, 120100010507, 120100010603, 120100010608, 120100010605, 120100010607, 120100010505, 120100010405, 120100010604	Upper Sabine	Regulatory and Guidance	856	Riverine
042000006	4	Sabine	Rockwall Countywide Flood Awareness Program	Develop a public education and awareness website to educate and inform Rockwall County residents/businesses about the natural hazards and the potential ways to mitigate them.	04000009	Rockwall	12010001	120100010301, 120100010302	Upper Sabine	Education and Outreach	148	Riverine
042000008	4	Sabine	Orange County Emergency Response Staging Area	Staging Area and “lily pads” for use during disaster events.	04000011	Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Other	371	Riverine, Coastal
042000009	4	Sabine	Orange County Elevation of Residential Structures Program	Elevations of homes within Floodplains throughout County.	04000005	Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Property Acquisition and Structural Elevation	371	Riverine, Coastal
042000010	4	Sabine	Orange County Drainage District Additional Gages And Warning Systems	Incorporation of additional rain gauges and flood sensors throughout jurisdiction.	04000015	Orange	12010005	120100051003, 120100051004, 120100051005, 120100051100	Lower Sabine	Flood Measurement and Warning	371	Riverine, Coastal
042000011	4	Sabine	City of Edgewood Emergency Siren Program	Purchase and install outdoor warning sirens.	04000015	Van Zandt	12010001	120100010502, 120100010504	Upper Sabine	Flood Measurement and Warning	1	Riverine
042000012	4	Sabine	City of Edgewood Flood Infrastructure Maintenance	Adopt and implement a program for clearing debris from bridges, drains, and culverts	04000011	Van Zandt	12020001	120100010502, 120100010504	#N/A	Other	1	Riverine
042000013	4	Sabine	City of Greenville NFIP Participation	Increase NFIP Participation. Greenville participates in the NFIP program and needs to strongly encourage through education additional residents and businesses to purchase and maintain flood insurance.	04000009, 04000018	Hunt	12010001	120100010103, 120100010102, 120100010204, 120100010401	Upper Sabine	Regulatory and Guidance	33	Riverine
042000014	4	Sabine	City of Fruitvale "StormReady" Program	Obtain certification in the National Weather Service StormReady Program.	04000009, 04000018	Van Zandt	12010001	120100010504, 120100010601	Upper Sabine	Regulatory and Guidance	2	Riverine
042000015	4	Sabine	City of Fruitvale Flood Emergency Notification System	Implement and enhance an area-wide telephone Emergency Notification System (“Reverse 911”).	04000015, 04000009	Van Zandt	12010001	120100010504, 120100010601	Upper Sabine	Flood Measurement and Warning	2	Riverine
042000016	4	Sabine	City of Van "StormReady" Program	Obtain certification in the National Weather Service StormReady Program.	04000009, 04000018	Van Zandt	12010001	120100010608, 120100010607	Upper Sabine	Regulatory and Guidance	3	Riverine
042000017	4	Sabine	City of Van Flood Infrastructure Maintenance	Adopt and implement a program for clearing debris from bridges, drains and culverts.	04000011	Van Zandt	12010001	120100010608, 120100010607	Upper Sabine	Other	3	Riverine

FMS ID	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Total Project Cost (\$)	Potential Funding Sources and Amount	Flood Risk									
							Area in 100yr (1% annual chance) Floodplain	Area in 500yr Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)
042000001	Orange County	Orange County	Yes	\$50,000	\$50,000	Yes	341.08	58.82	16,974	14,040	44,427	276	22	22	364	17,171
042000002	Orange County	Orange County	Yes	\$100,000	\$100,000	Yes	341.08	58.82	16,974	14,040	44,427	276	22	22	364	17,171
042000003	Orange County	Orange County	Yes	\$150,000	\$150,000	Yes	341.08	58.82	16,974	14,040	44,427	276	22	22	364	17,171
042000004	Orange County	Orange County	Yes	\$44,000,000	\$44,000,000	Yes	341.08	58.82	16,974	14,040	44,427	276	22	22	364	17,171
042000005	Van Zandt	Van Zandt	No	\$10,000	\$10,000	Yes	203.25	10.49	1,080	452	1,954	13	9	9	79	26,372
042000006	Rockwall	Rockwall	No	\$2,775	\$2,775	Yes	15.24	1.06	191	149	786	0	11	11	15	3,040
042000008	Orange County Drainage District	Orange County Drainage District	Yes	\$10,000	\$10,000	Yes	341.07	58.82	16,974	14,040	44,427	276	22	22	364	17,171
042000009	Orange County Drainage District	Orange County Drainage District	Yes	\$50,000	\$50,000	Yes	341.07	58.82	16,974	14,040	44,427	276	22	22	364	17,171
042000010	Orange County Drainage District	Orange County Drainage District	Yes	\$200,000	\$200,000	Yes	341.07	58.82	16,974	14,040	44,427	276	22	22	364	17,171
042000011	Edgewood	Edgewood	No	\$10,000	\$10,000	Yes	0.28	0.02	27	11	32	0	0	0	1	29
042000012	Edgewood	Edgewood	No	\$100,000	\$100,000	Yes	0.28	0.02	27	11	32	0	0	0	1	29
042000013	Greenville	Greenville	No	\$10,000	\$10,000	Yes	13.53	1.26	429	254	6,227	28	0	0	26	1,339
042000014	Fruitvale	Fruitvale	No	\$10,000	\$10,000	Yes	0.99	0.04	4	1	12	0	0	0	2	127
042000015	Fruitvale	Fruitvale	No	\$10,000	\$10,000	Yes	0.99	0.04	4	1	12	0	0	0	2	127
042000016	Van	Van	No	\$10,000	\$10,000	Yes	0.01	0.00	0	0	0	0	0	0	0	0
042000017	Van	Van	No	\$50,000	\$50,000	Yes	0.01	0.00	0	0	0	0	0	0	0	0

FMS ID	Reduction in Flood Risk												Cost/ Structure removed	Consideration of Nature based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
	Number of structures with reduced 100yr Flood risk	Number of structures removed from 100yr Flood risk	Number of structures removed from 500yr Flood risk	Residential structures removed from 100yr Flood risk	Estimated Population removed from 100yr Flood risk	Critical facilities removed from 100yr Flood risk (#)	Number of low water crossings removed from 100yr Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)					
042000001	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000002	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000003	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000004	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000005	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000006	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000008	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000009	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000010	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000011	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000012	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000013	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000014	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000015	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000016	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000017	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type
042000018	4	Sabine	City of Grand Saline "StormReady" Program	Obtain certification in the National Weather Service StormReady Program.	04000009, 04000018	Van Zandt	12010001	120100010601, 120100010605	Upper Sabine	Regulatory and Guidance	2	Riverine
042000019	4	Sabine	City of Grand Saline Flood Infrastructure Maintenance	Adopt and implement a program for clearing debris from bridges, drains, and culverts	04000011	Van Zandt	12010001	120100010601,	Upper Sabine	Other	2	Riverine
042000020	4	Sabine	City of Wills Point "StormReady" Program	Obtain certification in the National Weather Service StormReady Program.	04000009, 04000018	Van Zandt	12010001	120100010501, 120100010502	Upper Sabine	Regulatory and Guidance	4	Riverine
042000021	4	Sabine	City of Wills Point Flood Emergency Notification System	Implement and enhance an area-wide telephone Emergency Notification System ("Reverse 911").	04000015, 04000009	Van Zandt	12010001	120100010501, 120100010502	Upper Sabine	Flood Measurement and Warning	4	Riverine
042000022	4	Sabine	City of Wills Point Flood Infrastructure Maintenance	Adopt and implement a program for clearing debris from bridges, drains and culverts.	04000011	Van Zandt	12010001	120100010501, 120100010502	Upper Sabine	Other	4	Riverine
042000023	4	Sabine	City of Wills Point Flood Awareness Program	Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" Program.	04000009, 04000017	Van Zandt	12010001	120100010501, 120100010502	Upper Sabine	Education and Outreach	4	Riverine
042000024	4	Sabine	City of Fate Flood Access Improvement	Add secondary entry/access roads to existing neighborhoods where possible/enforce two entry/access road requirements in existing code for new construction	04000011	Rockwall	12010001	120100010301	#N/A	Regulatory and Guidance	12	Riverine
042000025	4	Sabine	City of Fate Flood Infrastructure Maintenance	Develop and implement a county-wide pre-disaster debris removal and monitoring contracts	04000011	Rockwall	12010001	120100010301	#N/A	Other	12	Riverine
042000026	4	Sabine	City of Gladewater Flood Awareness Program	Develop and implement a public education campaign to inform the public about mitigation actions they can take to make their family and home safer. Put information and links to outside resources on city websites and facebook pages.	04000009	Gregg, Upshur	12010002	120100020402, 120100020403, 120100020405	Middle Sabine	Education and Outreach	12	Riverine
042000027	4	Sabine	City of Gladewater Flood Awareness Program	Develop and implement the "Turn Around, Don't Drown Program"	04000009	Gregg, Upshur	12010002	120100020402, 120100020403, 120100020405	Middle Sabine	Education and Outreach	12	Riverine
042000028	4	Sabine	City of Gladewater Flood Infrastructure Maintenance Program	Implement program to remove debris from drainage culverts when needed to alleviate potential flooding hazards	04000011	Gregg, Upshur	12010002	120100020402, 120100020403, 120100020405	Middle Sabine	Other	12	Riverine
042000029	4	Sabine	City of Gladewater Flood Awareness Program	Develop, implement and promote a public education campaign to encourage the public to register for the Nixle warning system; put link on city websites and facebook pages.	04000009	Gregg, Upshur	12010002	120100020405	Middle Sabine	Education and Outreach	7	Riverine
042000030	4	Sabine	City of Kilgore "StormReady" Program	Obtain awareness materials from Texas Floodplain Management Association for distribution to the public. Post public awareness content on social media platforms prior to and during flooding.	04000009	Gregg, Rusk	12010002	120100020506, 120100020405, 120100020502, 120100020503	Middle Sabine	Education and Outreach	19	Riverine
042000032	4	Sabine	City of Kilgore Flood Infrastructure Inspection and Maintenance Program	Investigate the current condition of culverts, headwalls, and repairs to culverts and headwalls	04000011	Rusk	12010002	120100020502, 120100020503, 120100020506, 120100020405	Middle Sabine	Other	19	Riverine
042000033	4	Sabine	City of Clarksville City Flood Infrastructure Inspection and Maintenance Program	Monitor flood-prone areas and remove debris from drainage culverts when needed to alleviate potential flooding hazards.	04000011	Gregg, Upshur	12010002	120100020405	Middle Sabine	Other	7	Riverine
042000034	4	Sabine	City of Longview Flood Awareness Program	Promote the "Turn Around Don't Drown" campaign, in partnership with DPS.	04000009	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Education and Outreach	56	Riverine

FMS ID	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Total Project Cost (\$)	Potential Funding Sources and Amount	Flood Risk									
							Area in 100yr (1% annual chance) Floodplain	Area in 500yr Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)
042000018	Grand Saline	Grand Saline	No	\$10,000	\$10,000	Yes	0.60	0.07	82	34	225	1	0	0	2	24
042000019	Grand Saline	Grand Saline	No	\$100,000	\$100,000	Yes	0.60	0.07	82	34	225	1	0	0	2	24
042000020	Wills Point	Wills Point	No	\$10,000	\$10,000	Yes	0.32	0.04	12	4	36	0	0	0	0	47
042000021	Wills Point	Wills Point	No	\$10,200	\$10,200	Yes	0.32	0.04	12	4	36	0	0	0	0	47
042000022	Wills Point	Wills Point	No	\$51,000	\$51,000	Yes	0.32	0.04	12	4	36	0	0	0	0	47
042000023	Wills Point	Wills Point	No	\$10,200	\$10,200	Yes	0.32	0.04	12	4	36	0	0	0	0	47
042000024	Fate	Fate	No	\$400,000	\$400,000	Yes	1.19	0.14	21	21	128	0	1	1	3	164
042000025	Fate	Fate	No	\$100,000	\$100,000	Yes	1.19	0.14	21	21	128	0	1	1	3	164
042000026	Gladewater	Gladewater	No	\$10,000	\$10,000	Yes	7.45	0.66	146	103	300	0	0	0	4	308
042000027	Gladewater	Gladewater	No	\$10,000	\$10,000	Yes	7.45	0.66	146	103	300	0	0	0	4	308
042000028	Gladewater	Gladewater	No	\$20,000	\$20,000	Yes	7.45	0.66	146	103	300	0	0	0	4	308
042000029	Gladewater	Gladewater	No	\$10,000	\$10,000	Yes	3.50	0.26	25	9	49	0	0	0	1	118
042000030	Kilgore	Kilgore	No	\$5,000	\$5,000	Yes	7.03	0.94	296	224	1,284	3	3	3	15	96
042000032	Kilgore	Kilgore	No	\$30,000	\$30,000	Yes	7.03	0.94	296	224	1,284	3	3	3	15	96
042000033	Clarksville City	Clarksville City	No	\$20,000	\$20,000	Yes	3.50	0.26	25	9	49	0	0	0	1	118
042000034	Longview	Longview	No	\$10,000	\$10,000	Yes	17.05	2.19	1,379	1,024	12,707	9	0	0	41	295

FMS ID	Reduction in Flood Risk												Cost/ Structure removed	Consideration of Nature based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
	Number of structures with reduced 100yr Flood risk	Number of structures removed from 100yr Flood risk	Number of structures removed from 500yr Flood risk	Residential structures removed from 100yr Flood risk	Estimated Population removed from 100yr Flood risk	Critical facilities removed from 100yr Flood risk (#)	Number of low water crossings removed from 100yr Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)					
042000018	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000019	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000020	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000021	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000022	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000023	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000024	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000025	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000026	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000027	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000028	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000029	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000030	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000032	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000033	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000034	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type
04200035	4	Sabine	City of Longview Flood Mitigation Training Program	Seek state and FEMA sponsored training in flood mitigation for key personnel.	04000009, 04000018	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Regulatory and Guidance	56	Riverine
04200036	4	Sabine	Longview Flood Mitigation Floodplain Development Regulations	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.	04000009, 04000018	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Regulatory and Guidance	56	Riverine
04200037	4	Sabine	City of Longview Online Flood Awareness Program	Place links on local websites to free FEMA training for independent study via the internet, such as 15-271 "Anticipating Hazardous Weather and Community Risk."	04000009	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Education and Outreach	56	Riverine
04200038	4	Sabine	City of Longview Regulatory Flood Hazard Map Program	Work with state and federal agencies to maintain current flood maps.	04000009, 04000018	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Regulatory and Guidance	56	Riverine
04200039	4	Sabine	City of Longview Property Acquisition Program	Implementation of program to purchase properties and severe loss-repetitive loss homes in floodplain areas to reserve them from development.	04000005	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Property Acquisition and Structural Elevation	56	Riverine
04200041	4	Sabine	City of Longview Dam Development	Promote FEMA-recommended construction methods for any new dam	04000009, 04000018	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Regulatory and Guidance	56	Riverine
04200042	4	Sabine	City of Hideaway Flood Awareness Program	Conduct public outreach to educate homeowners on flood mitigation measures for their homes.	04000009	Smith	12010002	120100020102	Middle Sabine	Education and Outreach	2	Riverine
04200043	4	Sabine	City of Hideaway Floodplain Development Regulations	Mandate 2 FT Freeboard on Hideaway Lakes Dams	04000009, 04000018	Smith	12010002	120100020102	Middle Sabine	Regulatory and Guidance	2	Riverine
04200044	4	Sabine	City of Hideaway Flood Awareness Program	Public Awareness of Evacuation Routes from rising water from dam failure.	04000009	Smith	12010002	120100020102	Middle Sabine	Education and Outreach	2	Riverine
04200045	4	Sabine	City of Hideaway Dam Reliability Program	The city will remove trees from earthen dams on hideaway lakes #2 and #3 to mitigate erosion and assist with soil adhesion.	04000011	Smith	12010002	120100020102	Middle Sabine	Other	2	Riverine
04200046	4	Sabine	City of Winona Flood Awareness Program	Conduct public outreach to homeowners and residents on flood mitigation measures for their residents.	04000009	Smith	12010002	120100020107, 120100020303	Middle Sabine	Education and Outreach	2	Riverine
04200047	4	Sabine	City of Roys City Floodplain Management Ordinances	Update Flood Prevention ordinance, adopting a "no-rise" in Base Flood Elevation in the 100-year floodplain.	04000009, 04000018	Rockwall, Collin, Hunt	12010001	120100010202, 120100010301, 120100010302	Upper Sabine	Regulatory and Guidance	18	Riverine
04200048	4	Sabine	City of Roys City "StormReady" Program	Achieve certification by the National Weather Service as a "StormReady" Community.	04000009, 04000018	Rockwall, Collin, Hunt	12010001	120100010202, 120100010301, 120100010302	Upper Sabine	Regulatory and Guidance	18	Riverine
04200049	4	Sabine	City of Como Flood Awareness Program	Disseminate PSA's, Newspaper Articles through local media about dangers of flooded county roads and to "Turn Around; Don't Drown."	04000009	Hopkins	12010003	120100030201	Lake Fork	Education and Outreach	1	Riverine
04200050	4	Sabine	City of Cumby Flood Awareness Program	Develop and implement the "Turn Around, Don't Drown Program"	04000009	Hopkins	12010003	120100030101, 120100030104	Lake Fork	Education and Outreach	1	Riverine
04200051	4	Sabine	City of Cumby Flood Awareness Program	Disseminate PSA's, Newspaper Articles through local media about dangers of flooded county roads	04000009	Hopkins	12010003	120100030101, 120100030104	Lake Fork	Education and Outreach	1	Riverine
04200052	4	Sabine	City of Marshall Property Acquisition Program	Encourage development of acquisition and management strategies to preserve open space for flood mitigation and water quality in the floodplain.	04000005	Harrison	12010002	120100020703, 120100020701, 120100020702, 120100020704	Middle Sabine	Property Acquisition and Structural Elevation	30	Riverine

FMS ID	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Total Project Cost (\$)	Potential Funding Sources and Amount	Flood Risk									
							Area in 100yr (1% annual chance) Floodplain	Area in 500yr Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)
042000035	Longview	Longview	No	\$2,000	\$2,000	Yes	17.05	2.19	1,379	1,024	12,707	9	0	0	41	295
042000036	Longview	Longview	No	\$0	\$0	Yes	17.05	2.19	1,379	1,024	12,707	9	0	0	41	295
042000037	Longview	Longview	No	\$0	\$0	Yes	17.05	2.19	1,379	1,024	12,707	9	0	0	41	295
042000038	Longview	Longview	No	\$0	\$0	Yes	17.05	2.19	1,379	1,024	12,707	9	0	0	41	295
042000039	Longview	Longview	No	\$100,000	\$100,000	Yes	17.05	2.19	1,379	1,024	12,707	9	0	0	41	295
042000041	Longview	Longview	No	\$10,000	\$10,000	Yes	17.05	2.19	1,379	1,024	12,707	9	0	0	41	295
042000042	Hideaway	Hideaway	No	\$10,500	\$10,500	Yes	1.22	0.05	249	224	365	0	0	0	1	4
042000043	Hideaway	Hideaway	No	\$10,000	\$10,000	Yes	1.22	0.05	249	224	365	0	0	0	1	4
042000044	Hideaway	Hideaway	No	\$10,500	\$10,500	Yes	1.22	0.05	249	224	365	0	0	0	1	4
042000045	Hideaway	Hideaway	No	\$60,000	\$60,000	Yes	1.22	0.05	249	224	365	0	0	0	1	4
042000046	Winona	Winona	No	\$104,000	\$104,000	Yes	0.66	0.08	8	4	9	0	0	0	0	26
042000047	Royse City	Royse City	No	\$10,000	\$10,000	Yes	8.83	0.77	131	92	552	0	8	8	19	1,451
042000048	Royse City	Royse City	No	\$10,000	\$10,000	Yes	8.83	0.77	131	92	552	0	8	8	19	1,451
042000049	Como	Como	No	\$10,000	\$10,000	Yes	0.06	0.01	3	2	1	0	0	0	0	11
042000050	Cumby	Cumby	No	\$0	\$0	Yes	0.04	0.00	0	0	0	0	0	0	0	4
042000051	Cumby	Cumby	No	\$11,500	\$11,500	Yes	0.04	0.00	0	0	0	0	0	0	0	4
042000052	Marshall	Marshall	No	\$50,000	\$50,000	Yes	7.06	0.80	561	374	4,969	0	0	0	18	222

FMS ID	Reduction in Flood Risk												Cost/ Structure removed	Consideration of Nature based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
	Number of structures with reduced 100yr Flood risk	Number of structures removed from 100yr Flood risk	Number of structures removed from 500yr Flood risk	Residential structures removed from 100yr Flood risk	Estimated Population removed from 100yr Flood risk	Critical facilities removed from 100yr Flood risk (#)	Number of low water crossings removed from 100yr Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)					
042000035	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000036	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000037	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000038	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000039	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000041	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000042	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000043	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000044	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000045	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000046	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000047	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000048	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000049	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000050	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000051	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No
042000052	0	0	0	0	0	0	0	0	0	0			0	None	No	N/A	No

**APPENDIX 4-C**  
**LIST OF INFEASIBLE FMPS AND FMSS**

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Table 4C-1: Infeasible FMSs and FMPs

Flood Mitigation Action Name	Description	Entity	Estimated Project Cost (\$)	Reason Action Infeasible
City of Fate Action #12	Purchase NOAA weather radios for early warning and place in critical infrastructures within the city.	Fate	\$500	Action does not demonstrate benefits at a scale appropriate for inclusion in a regional plan
Franklin County Flood Action #1	Purchase Emergency mobile generators to use with emergency equipment during power outages for critical facilities.	Franklin	\$25, 000	Action does not achieve flood risk reduction
Greenville Rescue Training	Greenville - Rescue Training	Greenville	\$100, 000	Action does not achieve flood risk reduction
City of Hideaway Action #2	Advertise October as Flood Awareness Month	Hideaway	\$10, 000	Action duplicates the benefits of other action(s) included in the plan
Rockwall County Action #2	Develop a "Continuity of Operations" plan in the event of a natural disaster.	Rockwall County	\$50, 000	Action does not achieve flood risk reduction
Rockwall County Action #3	Install permanent generators at all critical facilities.	Rockwall County	\$250, 000	Action does not achieve flood risk reduction
Rockwall County Action #5	Install quick emergency generator hook-ups for critical county facilities.	Rockwall County	\$50, 000	Action does not achieve flood risk reduction
Rockwall County Action #6	Identify and acquire a predesignated safe site for debris removal management.	Rockwall County	Unknown	Action does not achieve flood risk reduction
Rockwall Countywide Action #2	Develop and implement a county-wide pre-disaster debris removal and monitoring contracts.	Rockwall County	\$2,500	Action does not achieve flood risk reduction
Smith County Action #1	Purchase and install electric back-up generators at all the volunteer fire departments which will ensure emergency operations can continue in the event of a power outage from dam failure, earthquake, extreme heat, flood, hail, hurricane/tropical storms, lightning, tornado, wildfire, wind, and winter weather.	Smith County	\$60, 000	Action does not achieve flood risk reduction
Smith County Action #2	Distribute public awareness information on crop insurance.	Smith County	\$2, 000	Action does not achieve flood risk reduction
Van Zandt County Action #2	Acquire and install generators with hard wired quick connections at critical facilities in the County as well as at Volunteer Fire Departments within the County.	Van Zandt County	\$1, 000, 000	Action does not achieve flood risk reduction
Van Zandt County Action #3	Acquire and install generators with hard wired quick connections at all critical facilities.	Van Zandt County	\$1, 000, 000	Action does not achieve flood risk reduction
City Wills Point Action #3	Adopt and implement a routine tree trimming program that clears tree limbs near power lines and / or hanging in right-of-way; Remove dead trees from right-of-way and drainage systems on a scheduled basis.	Wills Point	\$100, 000	Action does not achieve flood risk reduction
City of Wills Point Action #6	Evaluate access and road conditions for response vehicles. Develop and implement options to improve access and / or add redundant access routes in high-risk areas.	Wills Point	\$500, 000	Action does not achieve flood risk reduction

Flood Mitigation Action Name	Description	Entity	Estimated Project Cost (\$)	Reason Action Infeasible
City of Winona Action #1	Purchase and install an electric back-up generator at the water tower pump house in the event of a power outage from earthquake, extreme heat, flood, hail, hurricane/tropical storms, lightning, tornado, wildfire, wind, and winter weather.	Winona	\$100,000	Action does not achieve flood risk reduction
City of Winona Action #2	Purchase and install an electric back-up generator at the Winona Community Center in the event of a power outage from earthquake, extreme heat, flood, hail, hurricane/tropical storms, lightning, tornado, wildfire, wind, and winter weather. It could be a back-up EOC location and house approximately 75 displaced people. It is equipped with a full kitchen, and it is built of cinder block thus it can withstand a fire.	Winona	\$100,000	Action does not achieve flood risk reduction
City of Como Action #1	Construct wastewater overflow tank to contain overflow issues that currently exist during flash flooding	City of Como	Unknown	Action does not align with the flood mitigation goal(s) adopted by the region and/or the guidance principles set forth by the state

**APPENDIX 5-A**  
**SUPPORTING MAPS FOR CHAPTER 5**

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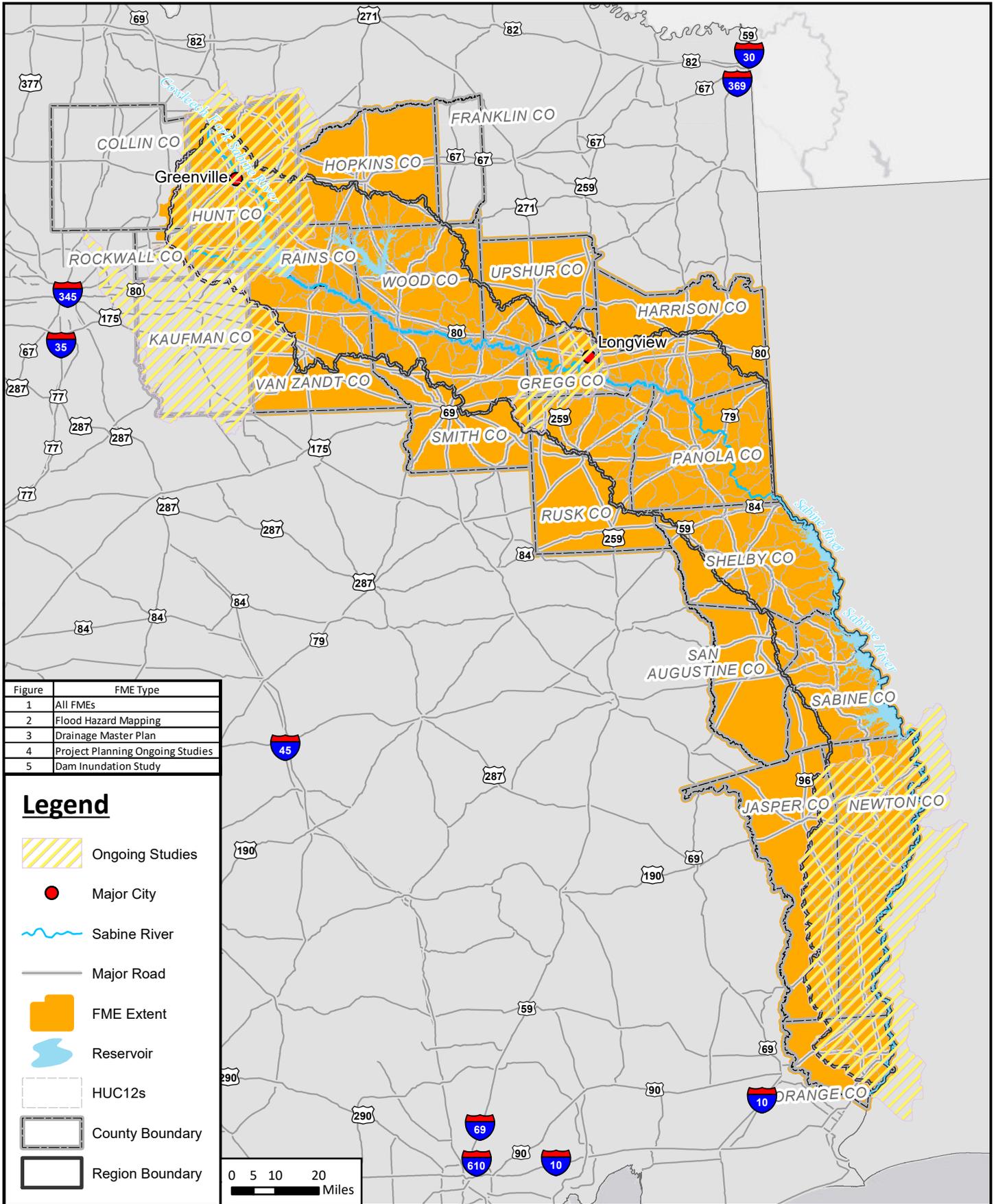
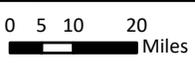


Figure	FME Type
1	All FMEs
2	Flood Hazard Mapping
3	Drainage Master Plan
4	Project Planning Ongoing Studies
5	Dam Inundation Study

**Legend**

-  Ongoing Studies
-  Major City
-  Sabine River
-  Major Road
-  FME Extent
-  Reservoir
-  HUC12s
-  County Boundary
-  Region Boundary

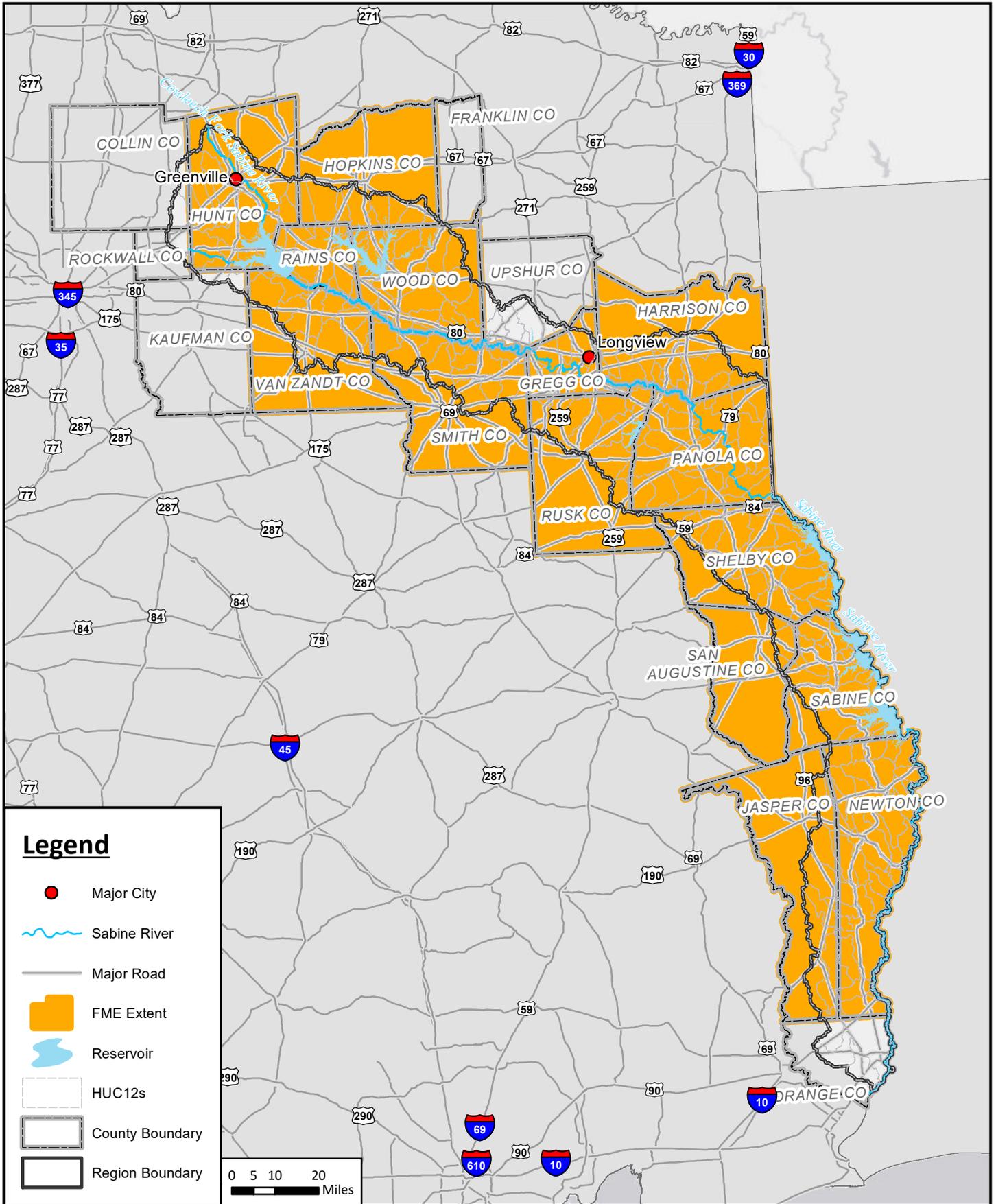


**Sabine Regional Flood Plan**

Extent of Recommended Flood Management Evaluations



**MAP 19**  
FIGURE 1 of 5



**Legend**

-  Major City
-  Sabine River
-  Major Road
-  FME Extent
-  Reservoir
-  HUC12s
-  County Boundary
-  Region Boundary

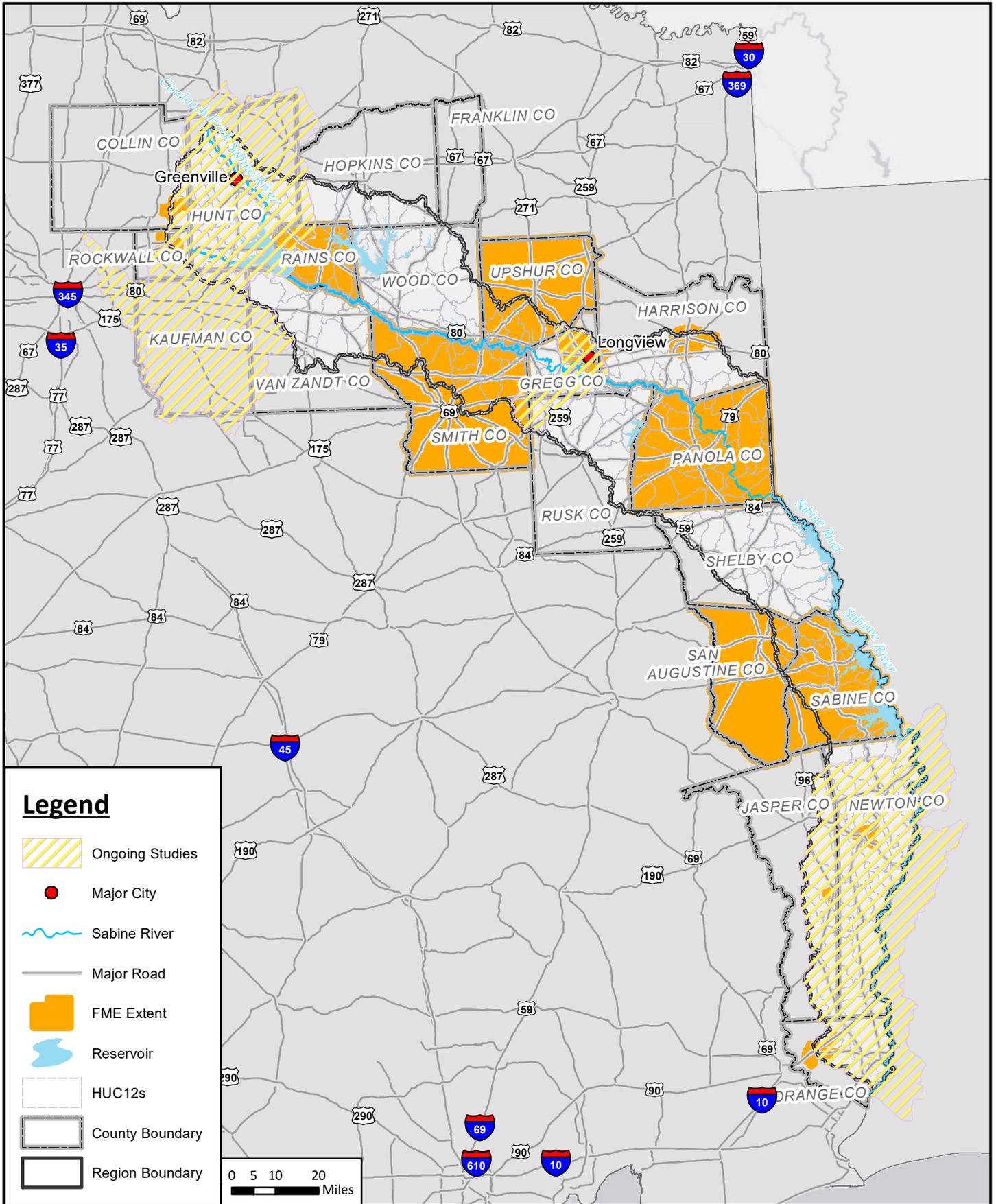


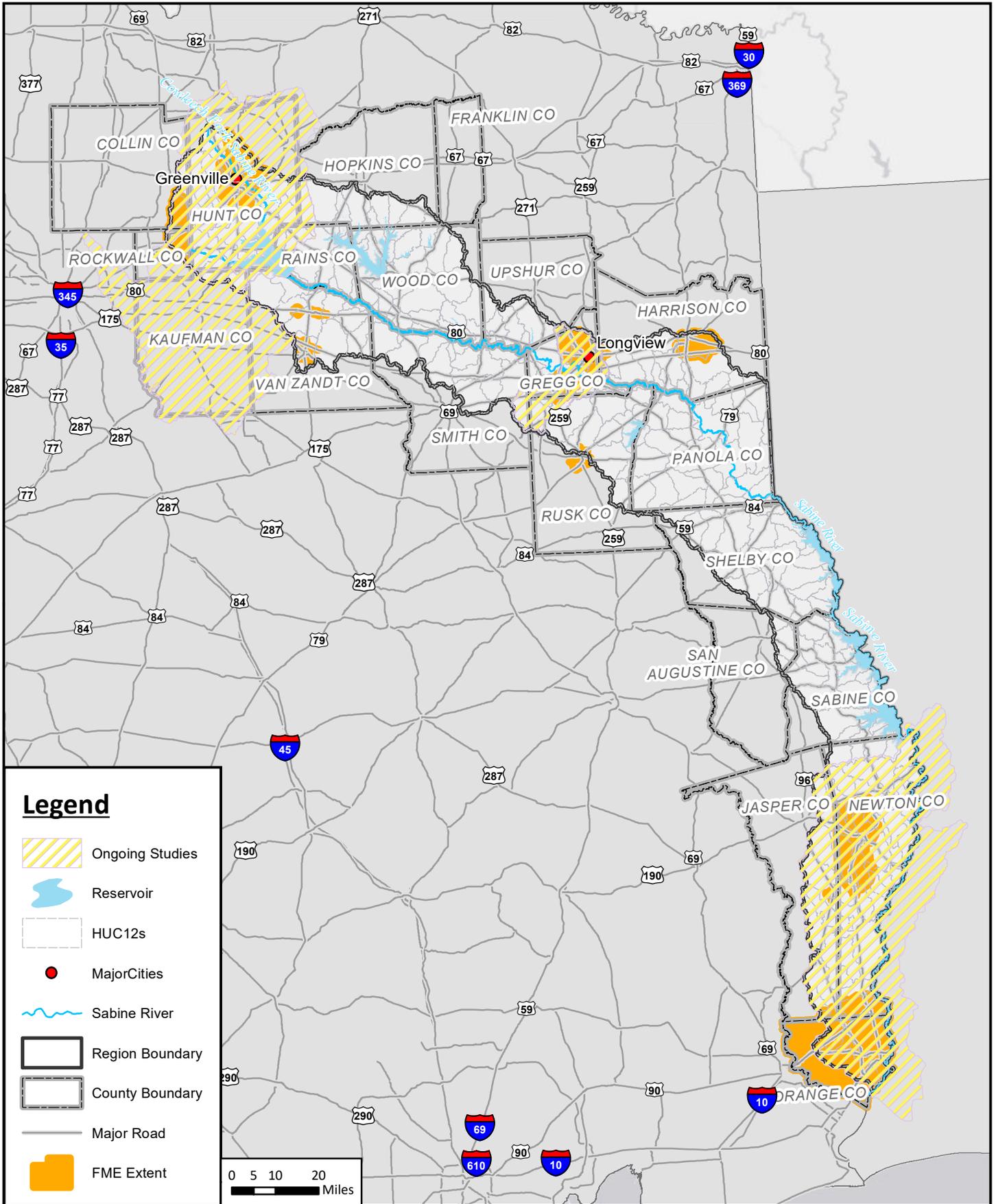
**Sabine Regional Flood Plan**

Extent of Recommended Flood Management Evaluations: Flood Hazard Mapping



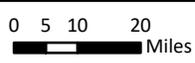
**MAP 19**  
FIGURE 2 of 5





**Legend**

-  Ongoing Studies
-  Reservoir
-  HUC12s
-  Major Cities
-  Sabine River
-  Region Boundary
-  County Boundary
-  Major Road
-  FME Extent

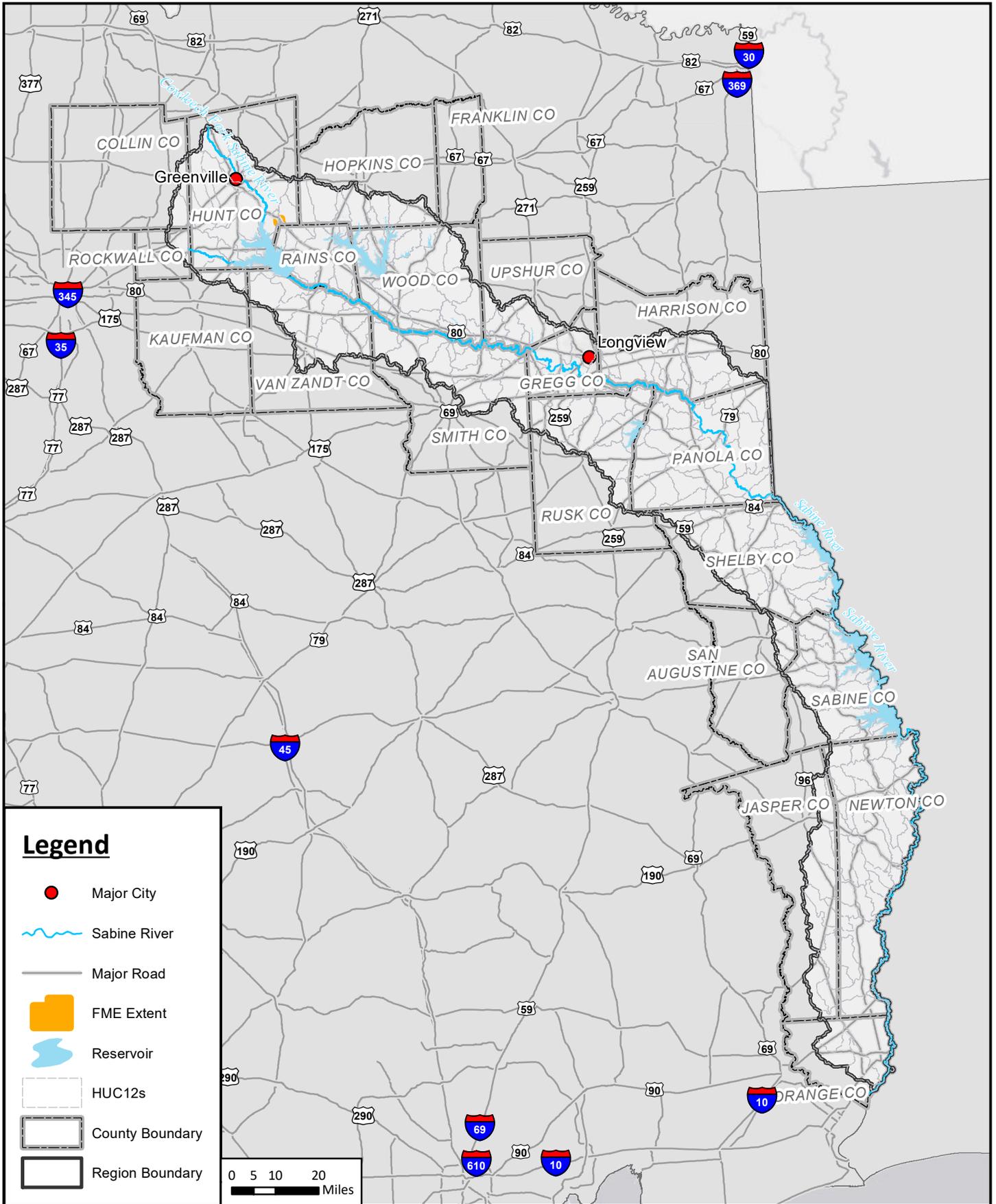


**Sabine Regional Flood Plan**

Extent of Recommended Flood Management Evaluations: Project Planning

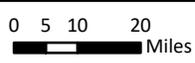


**MAP 19**  
FIGURE 4 of 5



**Legend**

-  Major City
-  Sabine River
-  Major Road
-  FME Extent
-  Reservoir
-  HUC12s
-  County Boundary
-  Region Boundary

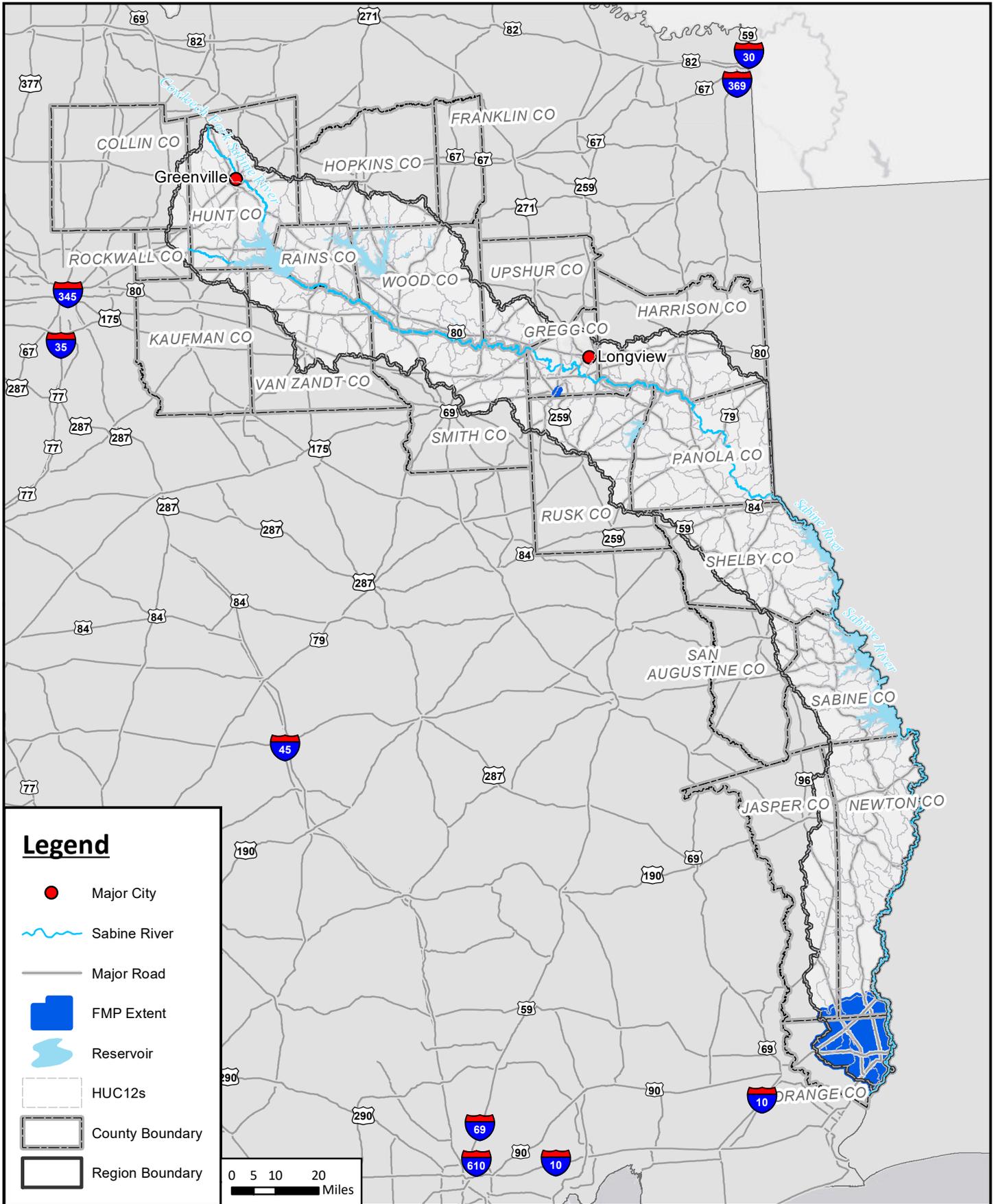


**Sabine Regional Flood Plan**

Extent of Recommended Flood Management Evaluations: Dam Inundation Study



**MAP 19**  
FIGURE 5 of 5



REGION 4



# Sabine Regional Flood Plan

Extent of Recommended Flood Mitigation Projects



MAP  
20

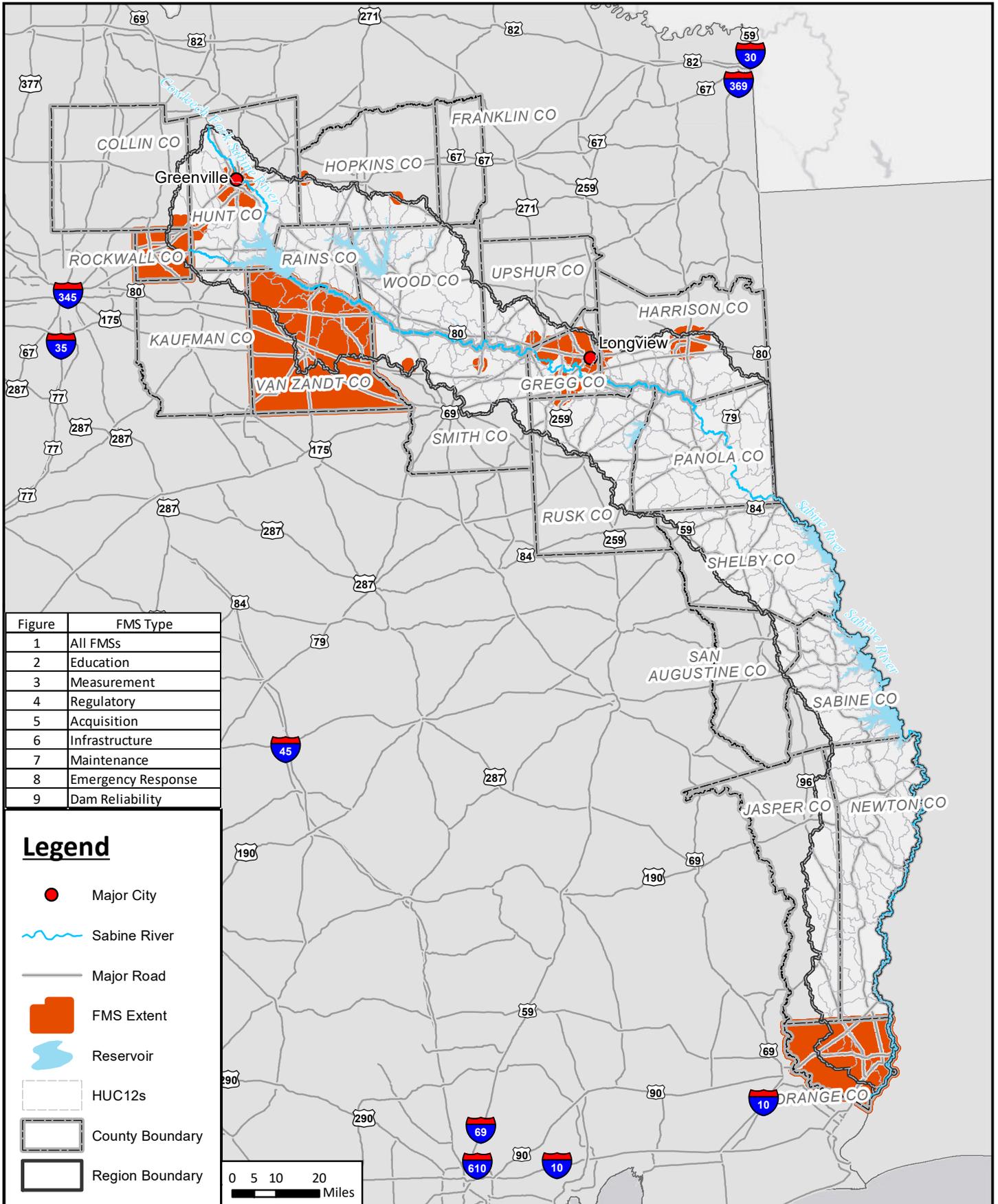
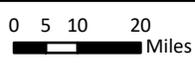


Figure	FMS Type
1	All FMSs
2	Education
3	Measurement
4	Regulatory
5	Acquisition
6	Infrastructure
7	Maintenance
8	Emergency Response
9	Dam Reliability

### Legend

- Major City
- Sabine River
- Major Road
- FMS Extent
- Reservoir
- HUC12s
- County Boundary
- Region Boundary

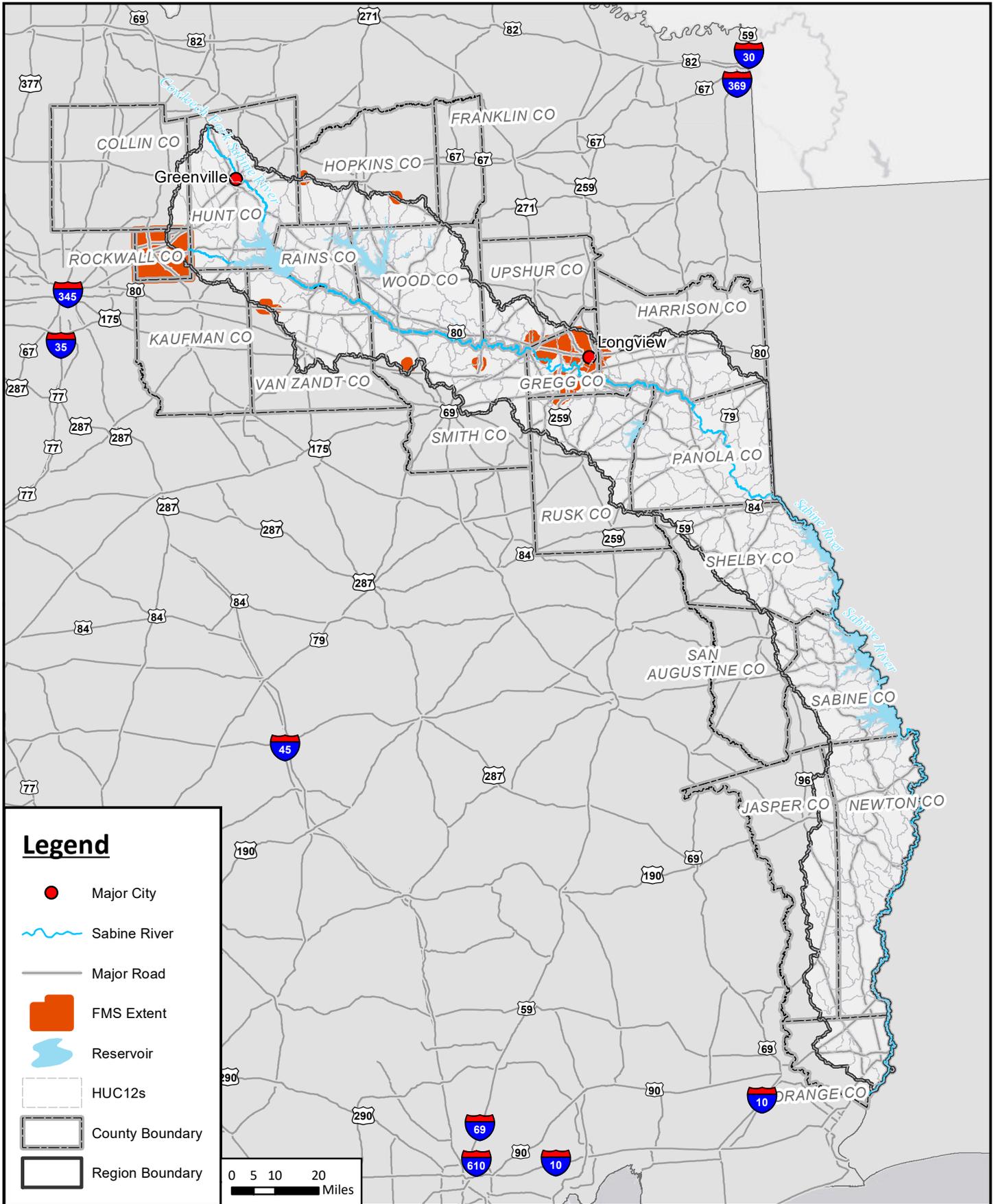


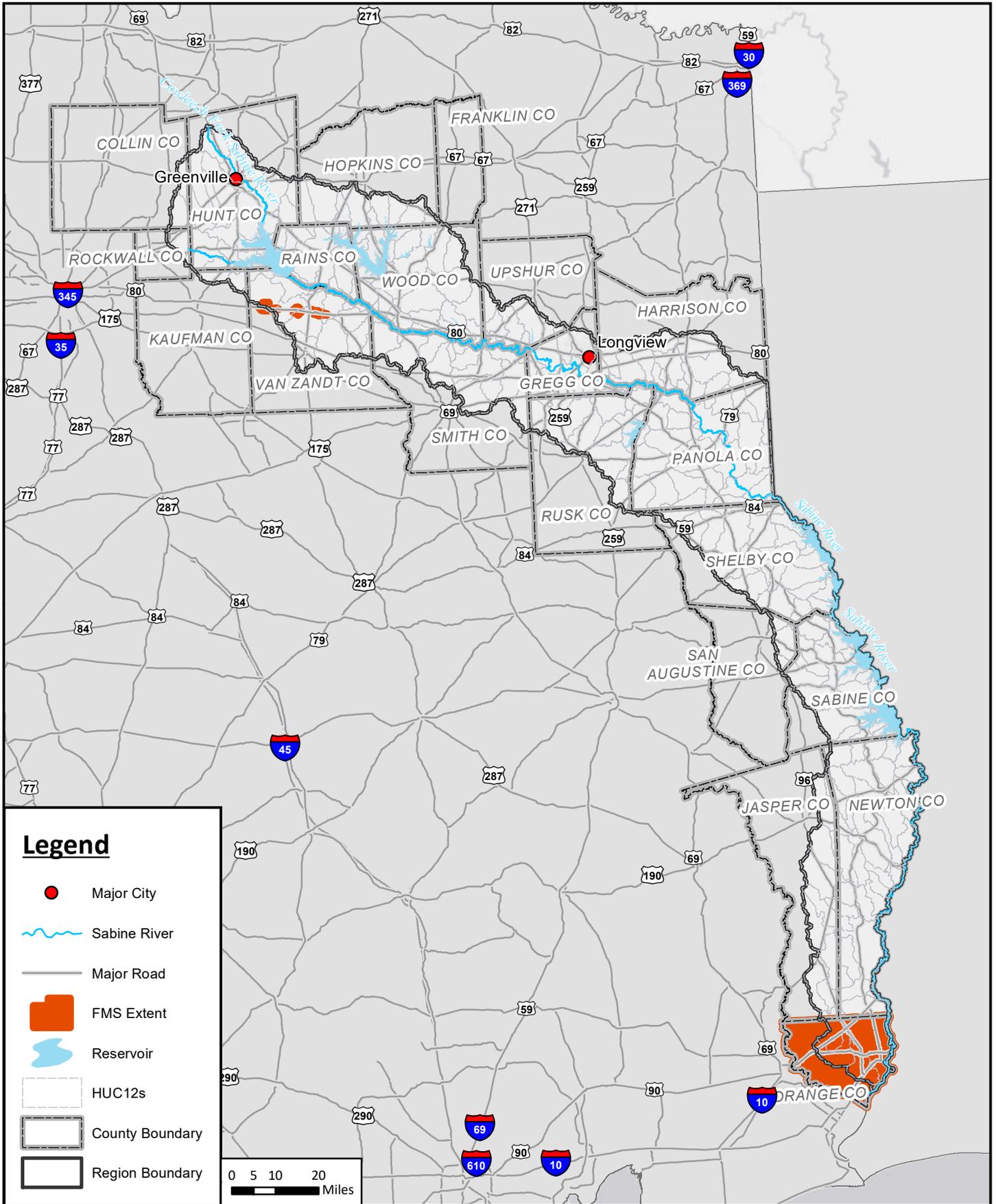
# Sabine Regional Flood Plan

Extent of Recommended Flood Mitigation Strategies



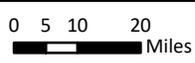
**MAP 21**  
FIGURE 1 of 9





**Legend**

-  Major City
-  Sabine River
-  Major Road
-  FMS Extent
-  Reservoir
-  HUC12s
-  County Boundary
-  Region Boundary

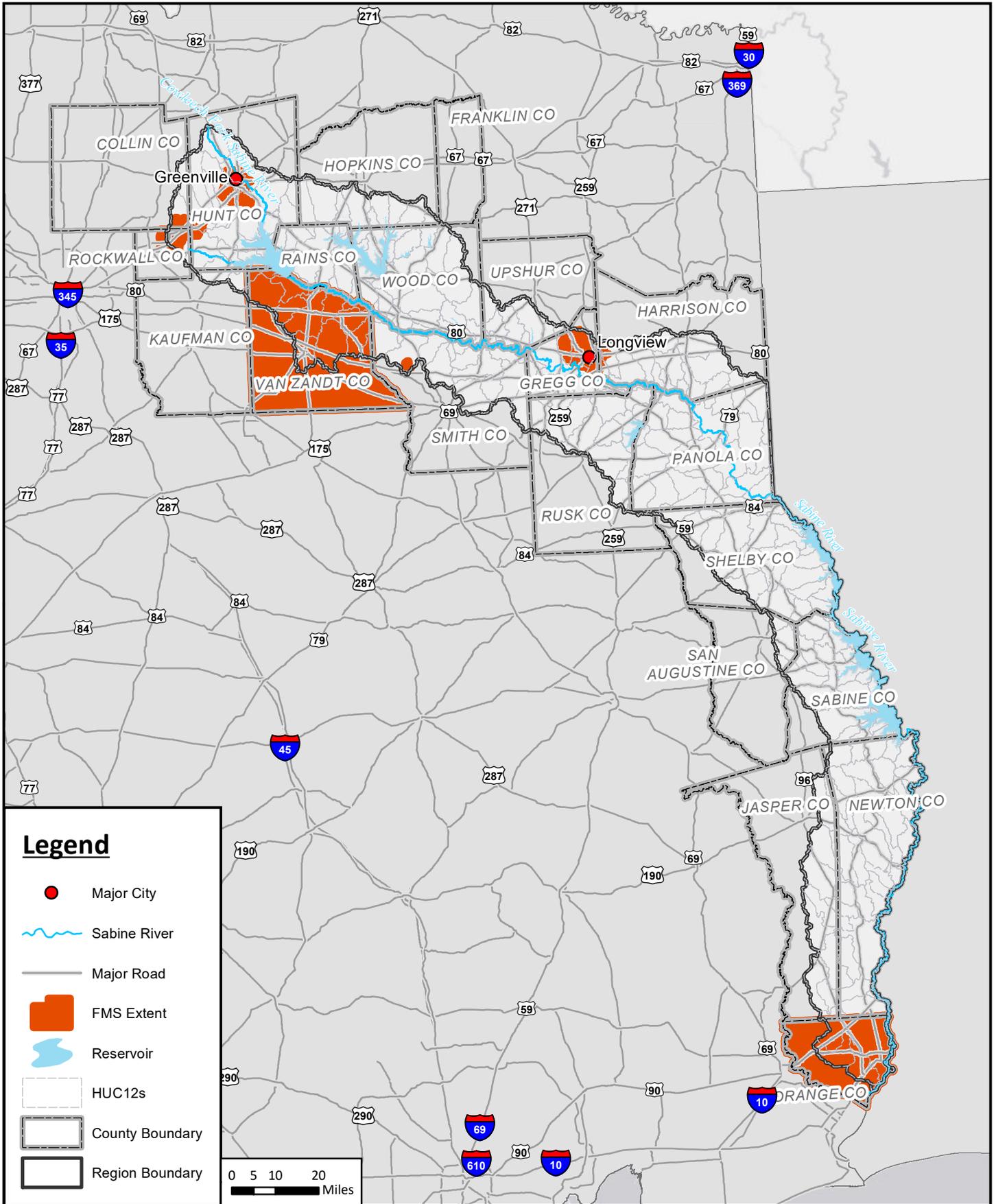


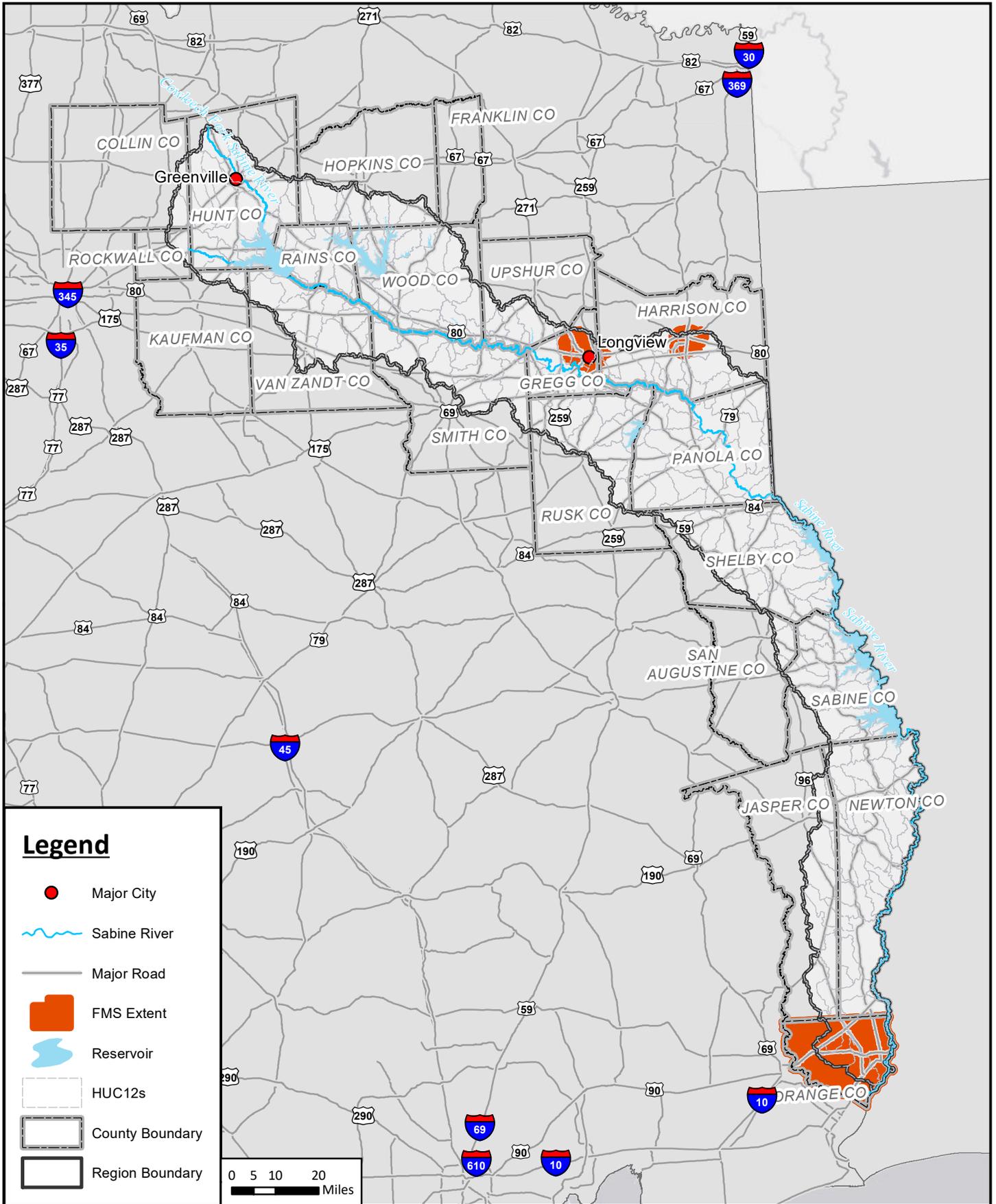
**Sabine Regional Flood Plan**

Extent of Recommended Flood Mitigation Strategies:  
Flood Measurement and Warning



**MAP 21**  
FIGURE 3 of 9

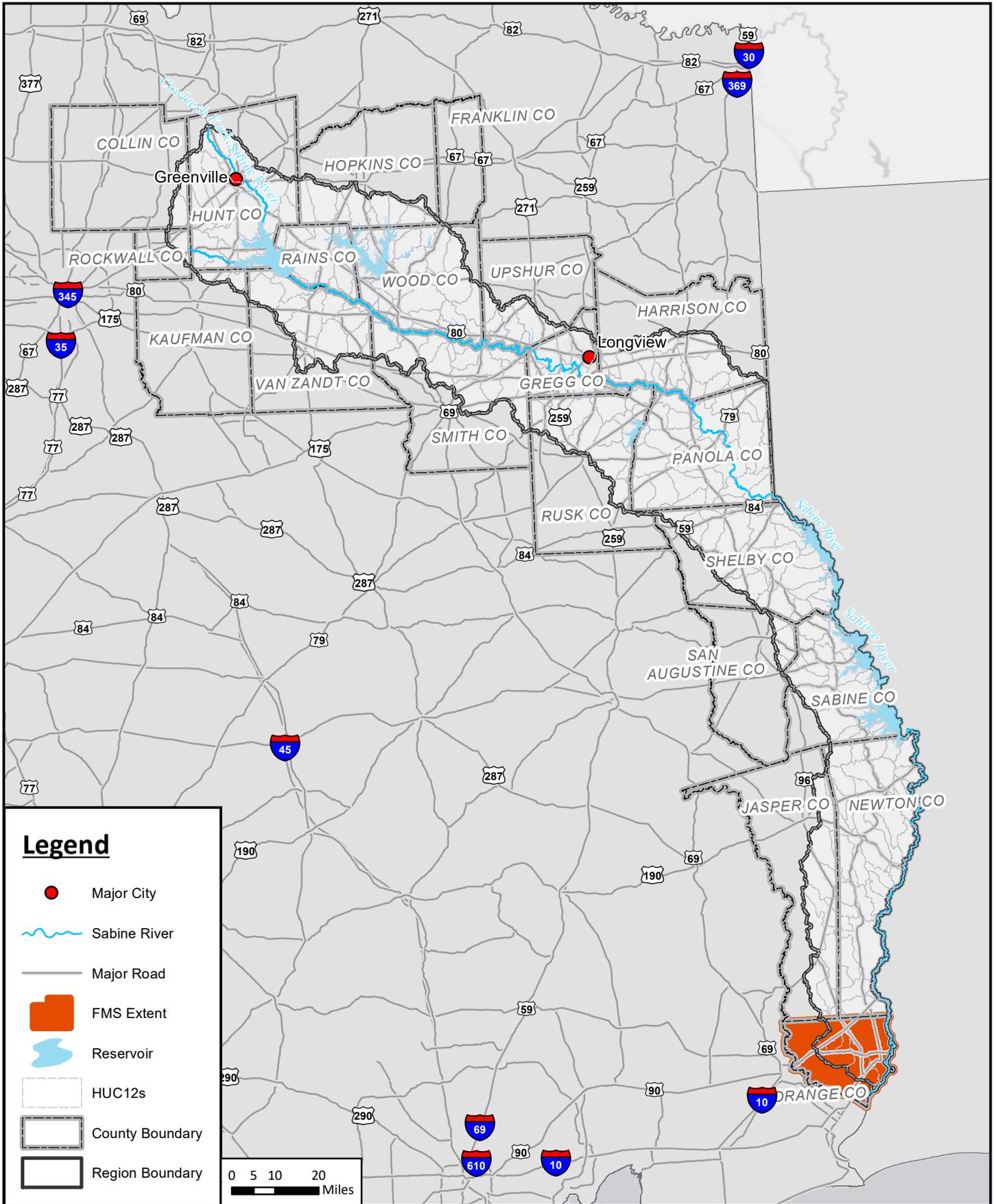


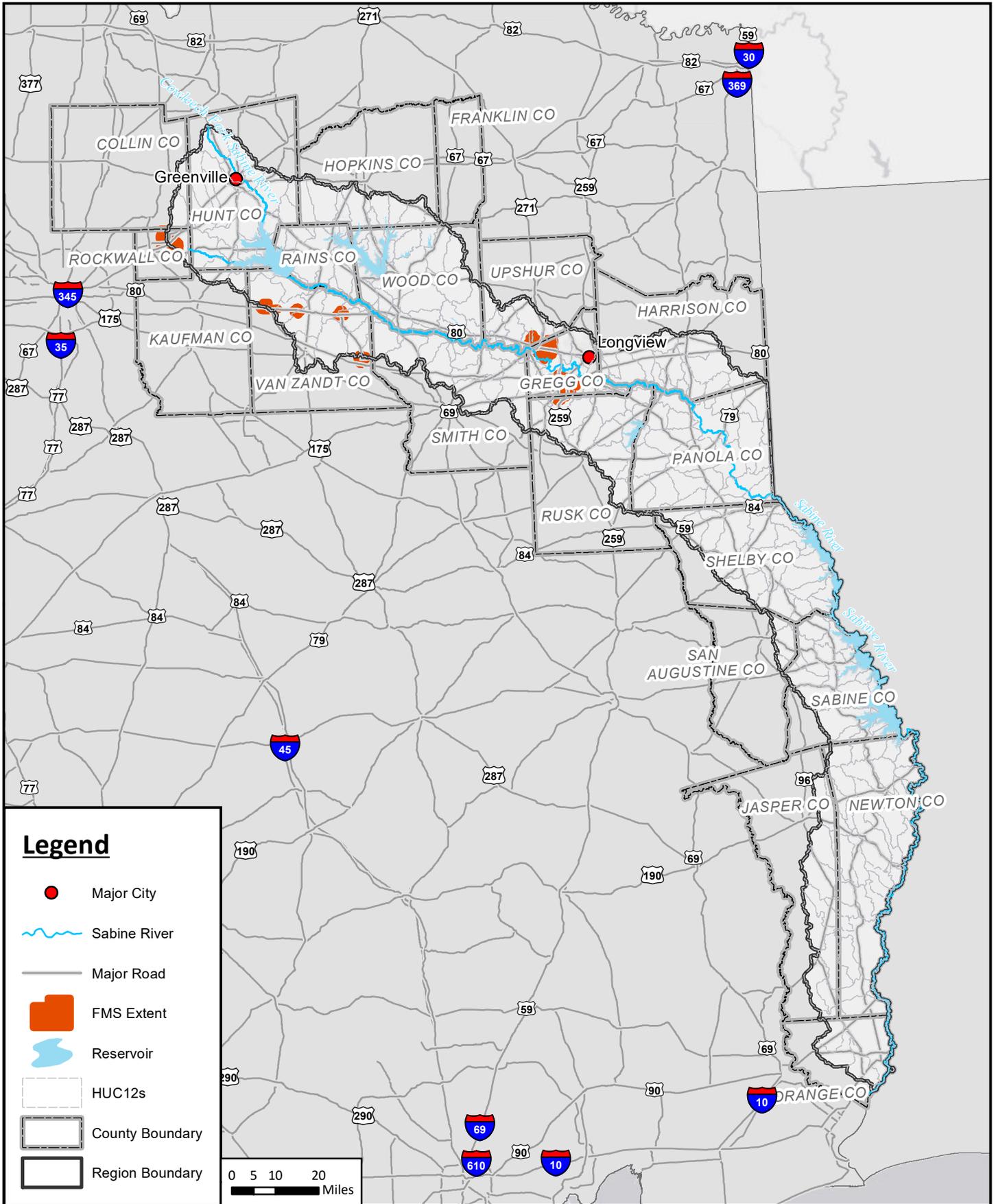


# Sabine Regional Flood Plan

Extent of Recommended Flood Mitigation Strategies: Property Acquisition

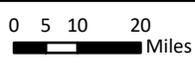






**Legend**

- Major City
- ~ Sabine River
- Major Road
- FMS Extent
- Reservoir
- HUC12s
- County Boundary
- Region Boundary



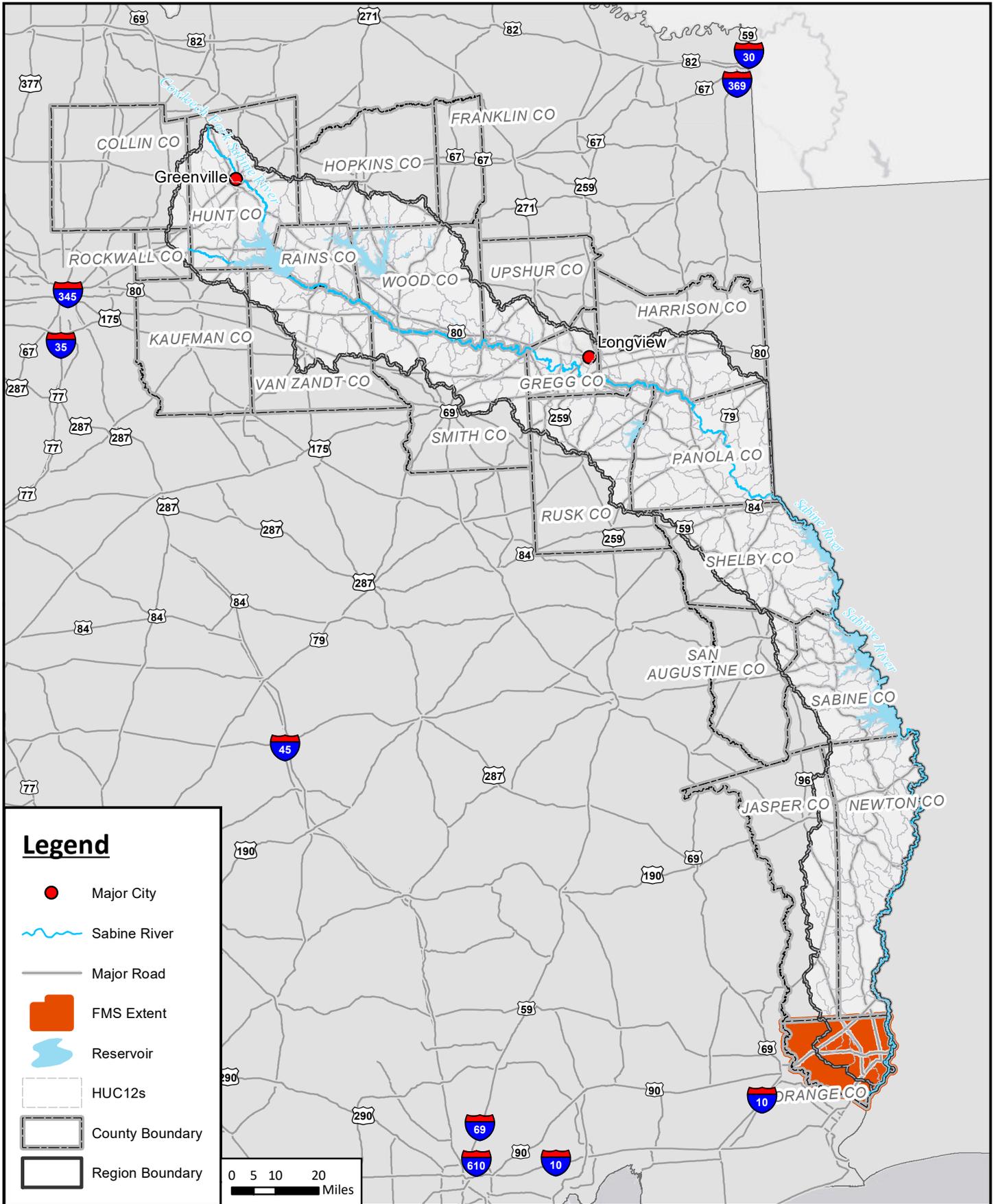
REGION 4

# Sabine Regional Flood Plan

Extent of Recommended Flood Mitigation Strategies: Maintenance Program

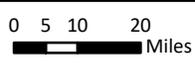


**MAP 21**  
FIGURE 7 of 9



**Legend**

- Major City
- ~ Sabine River
- Major Road
- FMS Extent
- ☾ Reservoir
- HUC12s
- County Boundary
- Region Boundary



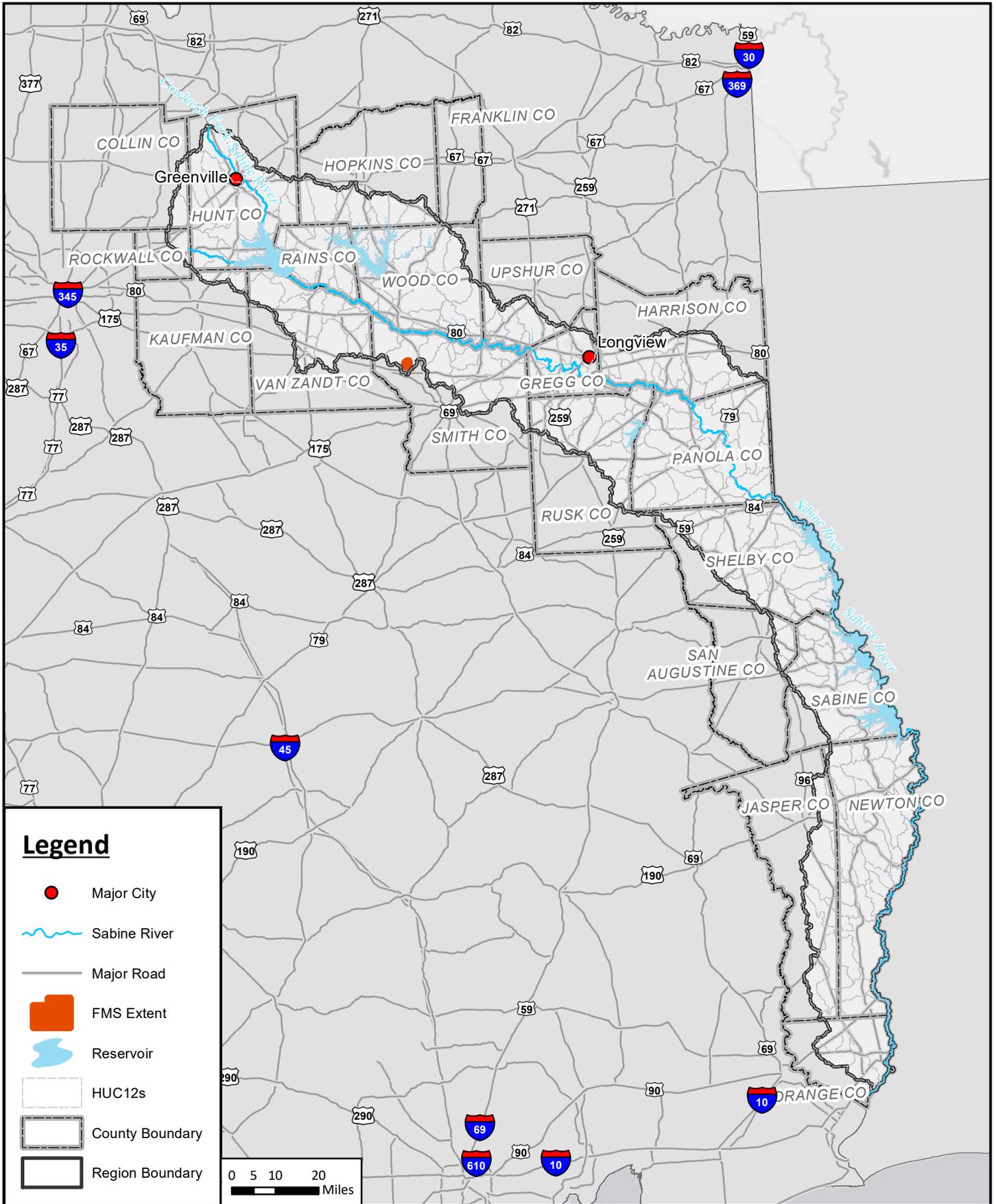
REGION 4

**Sabine Regional Flood Plan**

Extent of Recommend Flood Mitigation Strategies: Emergency Response

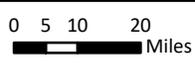


**MAP 21**  
FIGURE 8 of 9



**Legend**

-  Major City
-  Sabine River
-  Major Road
-  FMS Extent
-  Reservoir
-  HUC12s
-  County Boundary
-  Region Boundary



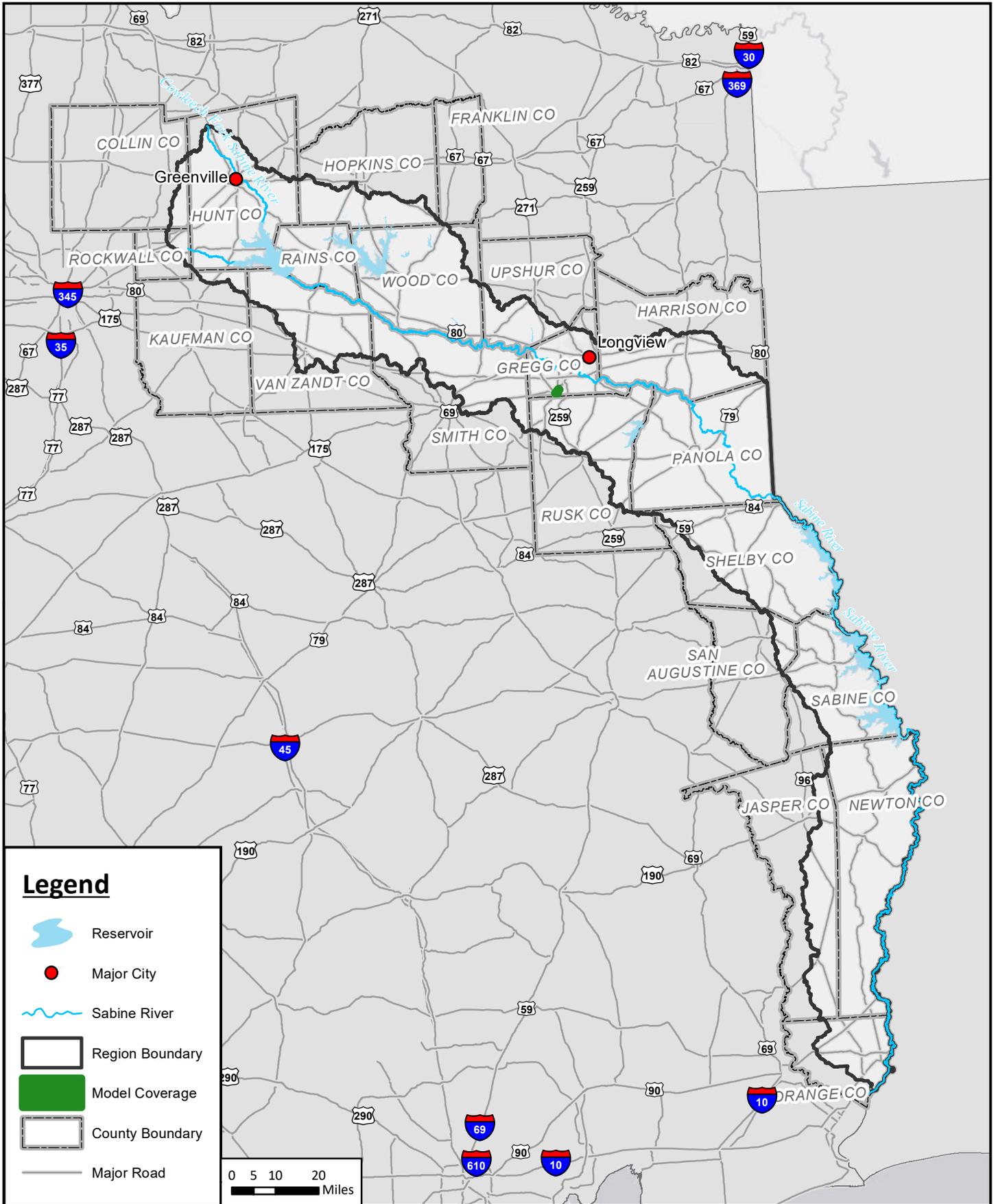
REGION 4

**Sabine Regional Flood Plan**

Extent of Recommend Flood Mitigation Strategies: Dam Reliability

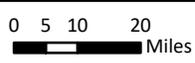


**MAP 21**  
FIGURE 9 of 9



**Legend**

-  Reservoir
-  Major City
-  Sabine River
-  Region Boundary
-  Model Coverage
-  County Boundary
-  Major Road



**APPENDIX 5-B**  
**SUPPORTING TABLES FOR CHAPTER 5**

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Table 15: Recommended Flood Management Evaluations Identified by RFPG

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
041000002	4	Sabine	Newton County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Newton, Sabine	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Watershed Planning	936	Riverine, Coastal	Newton	Newton	Yes	\$2,340,000	Yes	Aligns with RFPG Goals
041000003	4	Sabine	Smith County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Smith, Van Zandt, Rains, Wood	12010001, 12010002	120100010603, 120100010608, 120100010607, 120100020105, 120100020101, 120100020106, 120100020107, 120100020501, 120100020301, 120100020302, 120100020303, 120100020403, 120100020404, 120100020405, 120100020502, 120100020102, 120100020104	Upper Sabine, Middle Sabine	Watershed Planning	946	Riverine	Smith	Smith	Yes	\$4,275,000	Yes	Aligns with RFPG Goals
041000004	4	Sabine	Smith County Drainage Master Plan	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.	04000012, 04000013, 04000014	Smith, Van Zandt, Rains, Wood	12010001, 12010002	120100010603, 120100010608, 120100010607, 120100020105, 120100020101, 120100020106, 120100020107, 120100020501, 120100020301, 120100020302, 120100020303, 120100020403, 120100020404, 120100020405, 120100020502, 120100020102, 120100020104	Upper Sabine, Middle Sabine	Watershed Planning	946	Riverine	Smith	Smith	Yes	\$1,900,000	Yes	Aligns with RFPG Goals
041000005	4	Sabine	Harrison County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Panola, Harrison	12010002	120100020906, 120100020904, 120100021102, 120100020703, 120100020601, 120100020602, 120100020603, 120100020607, 120100020608, 120100020701, 120100020702, 120100020704, 120100020706, 120100020903, 120100020705, 120100021101	Middle Sabine	Watershed Planning	912	Riverine	Harrison	Harrison	Yes	\$1,850,000	Yes	Aligns with RFPG Goals
041000006	4	Sabine	Van Zandt County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Van Zandt, Rains, Hunt	12010001	120100010407, 120100010503, 120100010501, 120100010502, 120100010504, 120100010601, 120100010507, 120100010603, 120100010608, 120100010605, 120100010607, 120100010505, 120100010405, 120100010604	Upper Sabine	Watershed Planning	856	Riverine	Van Zandt	Van Zandt	Yes	\$2,230,000	Yes	Aligns with RFPG Goals
041000007	4	Sabine	Upshur County Drainage Master Plan	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.	04000012, 04000013, 04000014	Smith, Wood, Upshur	12010002	120100020107, 120100020205, 120100020206, 120100020402, 120100020401, 120100020403, 120100020405, 120100020504, 120100020505	Middle Sabine	Watershed Planning	590	Riverine	Upshur	Upshur	Yes	\$200,000	Yes	Aligns with RFPG Goals
041000008	4	Sabine	Sabine County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Sabine	12010004	120100040903, 120100040904, 120100040905, 120100041003, 120100040703, 120100040702, 120100040901, 120100040902, 120100041005, 120100041104, 120100040807, 120100040806, 120100041002, 120100041106, 120100041105, 120100041103, 120100041004, 120100041101, 120100041102	Toledo Bend Reservoir	Watershed Planning	574	Riverine	Sabine	Sabine	Yes	\$1,100,000	Yes	Aligns with RFPG Goals
041000009	4	Sabine	Sabine County Drainage Master Plan	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.	04000012, 04000013, 04000014	Sabine	12010004	120100040903, 120100040904, 120100040905, 120100041003, 120100040703, 120100040702, 120100040901, 120100040902, 120100041005, 120100041104, 120100040807, 120100040806, 120100041002, 120100041106, 120100041105, 120100041103, 120100041004, 120100041101, 120100041102	Toledo Bend Reservoir	Watershed Planning	574	Riverine	Sabine	Sabine	Yes	\$460,000	Yes	Aligns with RFPG Goals

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
041000010	4	Sabine	San Augustine County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	San Augustine, Shelby	12010004	120100040701, 120100040702, 120100040901, 120100040902	Toledo Bend Reservoir	Watershed Planning	590	Riverine	San Augustine	San Augustine	Yes	\$100,000	Yes	Aligns with RFPG Goals
041000011	4	Sabine	San Augustine County Drainage Master Plan	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.	04000012, 04000013, 04000014	San Augustine, Shelby	12010004	120100040701, 120100040702, 120100040901, 120100040902	Toledo Bend Reservoir	Watershed Planning	590	Riverine	San Augustine	San Augustine	Yes	\$50,000	Yes	Aligns with RFPG Goals
041000012	4	Sabine	Shelby County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Rusk, Panola, Shelby	12010002, 12010004	120100040701, 120100040702, 120100040901, 120100040902	Middle Sabine, Toledo Bend Reservoir	Watershed Planning	831	Riverine	Shelby	Shelby	Yes	\$375,500	Yes	Aligns with RFPG Goals
041000013	4	Sabine	Rusk County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Rusk, Smith, Gregg	12010002	120100020501, 120100021004, 120100021005, 120100021006, 120100020506, 120100020502,	Middle Sabine	Watershed Planning	935	Riverine	Rusk	Rusk	Yes	\$1,850,000	Yes	Aligns with RFPG Goals
041000014	4	Sabine	Panola County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Panola	12010002	120100020501, 120100021004, 120100021005, 120100021006, 120100020506, 120100020502,	Middle Sabine	Watershed Planning	818	Riverine	Panola	Panola	Yes	\$3,700,000	Yes	Aligns with RFPG Goals
041000015	4	Sabine	Panola County Drainage Master Plan	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.	04000012, 04000013, 04000014	Panola	12010002	120100020501, 120100021004, 120100021005, 120100021006, 120100020506, 120100020502, 120100020503, 120100020601, 120100020603, 120100020604, 120100020605, 120100020606, 120100020608, 120100020801, 120100020803, 120100020901, 120100020804, 120100020802	Middle Sabine	Watershed Planning	818	Riverine	Panola	Panola	Yes	\$1,700,000	Yes	Aligns with RFPG Goals
041000016	4	Sabine	Rains County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Rains, Hunt	12010001, 12010003	120100010406, 120100010407, 120100010601, 120100010506, 120100010507, 120100010603, 120100010505, 120100010602, 120100030101, 120100030102, 120100030103, 120100030107, 120100030104, 120100030105, 120100030106, 120100030204	Upper Sabine, Lake Fork	Watershed Planning	257	Riverine	Longview	Longview	Yes	\$2,100,000	Yes	Aligns with RFPG Goals
041000017	4	Sabine	Rains County Drainage Master Plan	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.	04000012, 04000013, 04000014	Rains, Hunt	12010001, 12010003	120100010406, 120100010407, 120100010601, 120100010506, 120100010507, 120100010603, 120100010505, 120100010602, 120100030101, 120100030102, 120100030103, 120100030107, 120100030104, 120100030105, 120100030106, 120100030204	Upper Sabine, Lake Fork	Watershed Planning	257	Riverine	Longview	Longview	Yes	\$600,000	Yes	Aligns with RFPG Goals
041000018	4	Sabine	Wood County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Smith, Van Zandt, Rains, Wood	12010001, 12010002, 12010003	120100010406, 120100010407, 120100010601, 120100010506, 120100010507, 120100010603, 120100010505, 120100010602, 120100030101, 120100030102, 120100030103, 120100030107, 120100030104, 120100030105, 120100030106, 120100030204	Upper Sabine, Lake Fork	Watershed Planning	693	Riverine	Rockwall	Rockwall	Yes	\$3,200,000	Yes	Aligns with RFPG Goals
041000019	4	Sabine	Hopkins County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Wood, Hopkins, Franklin	12010002, 12010003	120100020201, 120100030101, 120100030102, 120100030103, 120100030104, 120100030105, 120100030106, 120100030205, 120100030201, 120100030202, 120100030203	Middle Sabine, Lake Fork	Watershed Planning	791	Riverine	Hopkins	Hopkins	Yes	\$1,550,000	Yes	Aligns with RFPG Goals
041000020	4	Sabine	Vidor Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Orange	12010005	120100051004, 120100051003	Lower Sabine	Watershed Planning	12	Riverine	Vidor	Vidor	Yes	\$1,200,000	Yes	Aligns with RFPG Goals
041000021	4	Sabine	City of Fate Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Rockwall, Collin, Hunt	12010001	120100010301	Upper Sabine	Watershed Planning	12	Riverine	Fate	Fate	No	\$450,000	Yes	Aligns with RFPG Goals

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
04100022	4	Sabine	Nevada Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Rockwall, Collin, Hunt	12010001	120100010301	Upper Sabine	Watershed Planning	2	Riverine	Nevada	Nevada	No	\$100,000	Yes	Aligns with RFPG Goals
04100023	4	Sabine	City of Newton Drainage Master Plan	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.	04000012, 04000013, 04000014	Newton	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Watershed Planning	5	Riverine	Longview	Longview	No	\$100,000	Yes	Aligns with RFPG Goals
04100024	4	Sabine	Newton Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Newton	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Watershed Planning	5	Riverine	Longview	Longview	No	\$400,000	Yes	Aligns with RFPG Goals
04100025	4	Sabine	Longview Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Rusk, Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Watershed Planning	56	Riverine	Longview	Longview	Yes	\$1,100,000	Yes	Aligns with RFPG Goals
04100026	4	Sabine	Josephine Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Collin, Hunt	12010001	120100010202, 120100010301	Upper Sabine	Watershed Planning	2	Riverine	Josephine	Josephine	No	\$100,000	Yes	Aligns with RFPG Goals
04100027	4	Sabine	Kirbyville Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Jasper, Newton	12010005	120100050901, 120100050607, 120100050608	Lower Sabine	Watershed Planning	2	Riverine	Kirbyville	Kirbyville	Yes	\$600,000	Yes	Aligns with RFPG Goals
04100028	4	Sabine	Marshall Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Harrison	12010002	120100020703, 120100020701, 120100020702, 120100020704	Middle Sabine	Watershed Planning	30	Riverine	Longview	Longview	No	\$500,000	Yes	Aligns with RFPG Goals
04100029	4	Sabine	Scottsville Drainage Master Plan	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	04000012, 04000013, 04000014	Harrison	12010002	120100020703	Middle Sabine	Watershed Planning	1	Riverine	Longview	Longview	No	\$300,000	Yes	Aligns with RFPG Goals
04100030	4	Sabine	City of Edgewood Stormwater Drain and Culvert Improvement Study	Install and upgrade undersized stormwater drains and culverts	04000007	Van Zandt	12010001	120100010502, 120100010504	Upper Sabine	Project Planning	1	Riverine	Longview	Longview	No	\$100,000	Yes	Aligns with RFPG Goals
04100031	4	Sabine	City of Edgewood Stormwater Detention Study	Increase drainage capacity; add stormwater detention and / or retention basins as deemed necessary to reduce flood risk upstream of Edgewood City Dam	04000007	Van Zandt	12010001	120100010502, 120100010504	Upper Sabine	Project Planning	1	Riverine	Longview	Longview	No	\$100,000	Yes	Aligns with RFPG Goals
04100032	4	Sabine	City of Greenville Critical Facilities Flood Protection Study	Elevation or flood proofing of critical structures and/or the construction of barriers around critical structures	04000004, 04000005	Hunt	12010001	120100010103, 120100010102, 120100010204, 120100010401	Upper Sabine	Project Planning	33	Riverine	Longview	Longview	No	\$300,000	Yes	Aligns with RFPG Goals
04100033	4	Sabine	City of Fruitvale Drainage Infrastructure Improvement Study	Evaluate access and road conditions for response vehicles. Develop and implement options to improve access and/or add redundant access routes in high risk areas.	04000001, 04000014	Van Zandt	12010001	120100010504, 120100010601	Upper Sabine	Project Planning	2	Riverine	Longview	Longview	No	\$200,000	Yes	Aligns with RFPG Goals
04100034	4	Sabine	City of Canton Drainage Infrastructure Improvements Study	Increase drainage capacity; install french drains or elevate building and upgrade undersized pipe under state Hwy	04000012	Van Zandt	12010001	120100010503, 120100010604	Upper Sabine	Project Planning	6	Riverine	Canton	Canton	No	\$300,000	Yes	Aligns with RFPG Goals
04100035	4	Sabine	City of Kilgore Drainage Infrastructure Improvements Study	Improvements to drainage infrastructure in the downtown area by installing new inlets and storm drains	04000014	Rusk	12010002	120100020506, 120100020405, 120100020502, 120100020503	Middle Sabine	Project Planning	19	Riverine	Longview	Longview	No	\$300,000	Yes	Aligns with RFPG Goals

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
041000036	4	Sabine	City of Kilgore Library Drainage Improvement Study	Construct network of underground drainage structures to capture and direct subsurface water away from the library structure	04000014	Rusk	12010002	120100020506, 120100020405, 120100020502, 120100020503	Middle Sabine	Project Planning	19	Riverine	Longview	Longview	Yes	\$400,000	Yes	Aligns with RFPG Goals
041000037	4	Sabine	City of Henderson Flood Instructure Improvements Study	Replace riprap lining with a concrete lining to increase maintenance efficiency and flood protection.	04000007	Rusk	12010002	120100020605, 120100020801	Middle Sabine	Project Planning	12	Riverine	Henderson	Henderson	Yes	\$200,000	Yes	Aligns with RFPG Goals
041000038	4	Sabine	City of Henderson Storm Drain Improvement Study	Install new storm drain system to address localized neighborhood drainage issues	04000007	Rusk	12010002	120100020605, 120100020801	Middle Sabine	Project Planning	12	Riverine	Henderson	Henderson	Yes	\$100,000	Yes	Aligns with RFPG Goals
041000039	4	Sabine	City of Longview Critical Facilities Flood Protection Study	Ensure that critical facilities owned by the jurisdiction are protected from flood.	04000003	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Project Planning	56	Riverine	Longview	Longview	Yes	\$85,000	Yes	Aligns with RFPG Goals
041000040	4	Sabine	Lone Oak - Dam Inundation Study	Dam inundation study, safety study, and inventory of mitigation activities to implement for the county dams.	04000014	Hunt	12010001, 12010003	120100010406, 120100010401, 120100030102	Upper Sabine, Lake Fork	Other	1	Riverine	Lone Oak	Lone Oak	Yes	\$500,000	Yes	Aligns with RFPG Goals
041000041	4	Sabine	Kirbyville Drainage Improvement Study	Coordinate and improve storm water drainage throughout the county; encourage new development to balance impervious surfaces with adjacent green space	04000007, 04000014	Jasper	12010005	120100050901, 120100050607, 120100050608	Lower Sabine	Project Planning	2	Riverine	Kirbyville	Kirbyville	Yes	\$100,000	Yes	Aligns with RFPG Goals
041000042	4	Sabine	Feasibility Assessment and Conceptual Design of Dredging of Segments of Adams Bayou	H&H Study and Modeling for Feasibility Assessment of Dredging of Segments of Adams Bayou	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051100	Lower Sabine	Project Planning	146	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$2,000,000	Yes	Aligns with RFPG Goals
041000043	4	Sabine	Feasibility Assessment and Conceptual Design of Dredging of Segments of Cow Bayou	H&H Study and Modeling for Feasibility Assessment of Dredging of Segments of Cow Bayou	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051003, 120100051004, 120100051005	Lower Sabine	Project Planning	119	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$600,000	Yes	Aligns with RFPG Goals
041000044	4	Sabine	Feasibility Assessment and Conceptual Design of Dredging of Segments of Little Cypress Bayou	H&H Study and Modeling for Feasibility Assessment of Dredging of Segments of Little Cypress Bayou	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051100	Lower Sabine	Project Planning	146	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$1,000,000	Yes	Aligns with RFPG Goals
041000045	4	Sabine	Feasibility Assessment and Conceptual Design of Constructing a Stormwater Detention Pond Adjacent to Cow Bayou near Claiborne Park	H&H Study and Modeling for Feasibility Assessment of Construction of a Stormwater Detention Pond Adjacent to Cow Bayou near Claiborne Park	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051003, 120100051004, 120100051005	Lower Sabine	Project Planning	119	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$600,000	Yes	Aligns with RFPG Goals
041000046	4	Sabine	Feasibility Assessment and Conceptual Design of Increasing the Size of Culverts and Railroad Trestles on Major Drainage Structures	H&H Study and Modeling for Determination of Need and Feasibility Assessment for Increase in Size of Culverts and Railroad Trestles on Major Drainage Structures Throughout Orange County	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Project Planning	371	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$500,000	Yes	Aligns with RFPG Goals
041000047	4	Sabine	Feasibility Assessment and Conceptual Design of Increasing Capacity of Drainage Ditches and Channels that Convey Stormwater from Neighborhoods	H&H Study and Modeling for Determination of Need and Feasibility Assessment of the Capacity of Drainage Ditches and Channels that Convey Stormwater from Neighborhoods Located Within Orange County	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Project Planning	371	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$1,000,000	Yes	Aligns with RFPG Goals
041000048	4	Sabine	City of Fate Culvert Improvement Study	Culverts improvements to meet 100-YR fully developed conditions	04000007, 04000012, 04000013, 04000014	Rockwall, Collin, Hunt	12010001	120100010301	Upper Sabine	Project Planning	56	Riverine	Fate	Fate	No	\$100,000	Yes	Aligns with RFPG Goals
041000049	4	Sabine	Newton County Flood and Drainage Study	Reconstructing bridges and culverts in a major drainage basin flowing into the Sabine River in Newton County.	04000007, 04000012, 04000013, 04000014	Newton, Jasper	12010005	120100050504, 120100050601, 120100050602, 120100050603, 120100050605, 120100050606	Lower Sabine	Project Planning	159	Riverine	Newton	Newton	Yes	\$600,000	Yes	Aligns with RFPG Goals
041000050	4	Sabine	Orange County Drainage Improvements at Kinard Estates Study	First-time sewer service, detention pond, and other drainage improvements to reduce flooding and environmental impacts.	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Project Planning	371	Riverine, Coastal	#N/A	#N/A	Yes	\$250,000	Yes	Aligns with RFPG Goals

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
041000051	4	Sabine	West Orange Drainage Improvements Study	West Orange Drainage Improvements Study to quantify benefits, evaluate impacts, and begin design.	04000012, 04000013, 04000014	Orange	12010005	120100051100	Lower Sabine	Project Planning	3	Riverine, Coastal	Longview	Longview	Yes	\$350,000	Yes	Aligns with RFPG Goals
041000052	4	Sabine	Adams Bayou Detention Ponds Study	Flood Protection Planning Study Cow Bayou & Adams Bayou Alternative	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051100	Lower Sabine	Project Planning	146	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$600,000	Yes	Aligns with RFPG Goals
041000053	4	Sabine	Cole Creek Detention Ponds Study	Flood Protection Planning Study Cow Bayou & Adams Bayou Alternative	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051003, 120100051004, 120100051005	Lower Sabine	Project Planning	119	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$600,000	Yes	Aligns with RFPG Goals
041000054	4	Sabine	Cow Bayou Detention Ponds Study	Flood Protection Planning Study Cow Bayou & Adams Bayou Alternative	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051003, 120100051004, 120100051005	Lower Sabine	Project Planning	119	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$600,000	Yes	Aligns with RFPG Goals
041000055	4	Sabine	North Airport Retention Pond	Feasibility Study of North Airport Retention Pond	04000007	Greenville	12010001	120100010102, 120100010103	Upper Sabine	Project Planning	80	Riverine	Longview	Longview	Yes	\$640,000	Yes	Aligns with RFPG Goals
041000056	4	Sabine	Parker Creek Detention Pond	Feasibility Study of Parker Creek Detention Pond	04000007	Harrison	12010002	120100020703	Middle Sabine	Project Planning	47	Riverine	Longview	Longview	Yes	\$380,000	Yes	Aligns with RFPG Goals
041000057	4	Sabine	Terry Bayou Detention Ponds Study	Flood Protection Planning Study Cow Bayou & Adams Bayou Alternative	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051004	Lower Sabine	Project Planning	40	Riverine	Orange County Drainage District	Orange County Drainage District	Yes	\$600,000	Yes	Aligns with RFPG Goals
041000058	4	Sabine	Gregg County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Gregg	12010002	120100020402, 120100020403, 120100020404, 120100020405, 120100020501, 120100020502, 120100020503, 120100020504, 120100020505, 120100020506, 120100020601, 120100020602, 120100020603, 120100020606, 120100020608	Middle Sabine	Watershed Planning	274	Riverine	Gregg	Gregg	No	\$2,200,000	Yes	Aligns with RFPG Goals
041000059	4	Sabine	Hunt County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000012, 04000013, 04000014	Hunt	12010001, 12010003	120100010101, 120100010102, 120100010103, 120100010104, 120100010301, 120100010302, 120100010303, 120100010401, 120100010402, 120100010403, 120100010404, 120100010405, 120100010406, 120100010407, 120100030101, 120100030102	Upper Sabine, Lake Fork	Watershed Planning	879	Riverine	Hunt	Hunt	Yes	\$4,000,000	Yes	Aligns with RFPG Goals
041000060	4	Sabine	Jasper County Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	04000007, 04000012, 04000013, 04000014	Jasper	12010005	120100050601, 120100050602, 120100050603, 120100050604, 120100050605, 120100050607, 120100050608, 120100050801, 120100050802, 120100050803, 120100050804, 120100050901, 120100050902, 120100050905, 120100051001, 120100051002, 120100051003	Lower Sabine	Watershed Planning	966	Riverine	Jasper	Jasper	Yes	\$700,000	Yes	Aligns with RFPG Goals
041000061	4	Sabine	Lawrence Road Detention Pond Feasibility Study	Lawrence Road Detention Pond Feasibility Study	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051003, 120100051004, 120100051005	Lower Sabine	Project Planning	119	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$400,000	Yes	Aligns with RFPG Goals
041000062	4	Sabine	Diversion Channel Cow Bayou Feasibility Study	Diversion Channel Cow Bayou Feasibility Study	04000007, 04000012, 04000013, 04000014	Orange	12010005	120100051003, 120100051004, 120100051005	Lower Sabine	Project Planning	119	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$5,209,500	Yes	Aligns with RFPG Goals
041000063	4	Sabine	Parker Creek Corridor Study	Study of Parker Creek Corridor	04000007	Harrison	12010002	120100020703	Middle Sabine	Project Planning	47	Riverine	Longview	Longview	Yes	\$380,000	Yes	Aligns with RFPG Goals

Table 16: Recommended Flood Mitigation Projects Identified by RFPG

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associated Goals (ID)	Counties	HUC12s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/ Structure removed	Percent Nature based Solution (by cost)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Benefit Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
043000017	4	Sabine	Sabine Pass to Galveston Bay Coastal Storm Risk Management Project	Program comprised of improvements and construction of new infrastructure currently being implemented to reduce the risk of storm surge impacts in Orange, Jefferson, and Brazoria Counties in Texas.	04000007	Orange, Newton	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Flood Walls and Levees	265	Riverine	Orange County Drainage District	Orange County Drainage District	Yes	\$2,270,099,968	Yes \$Federal Funds (Long Term Disaster Recovery Investment Plan), Local	\$1,477,132	0	No	No	0.806	No	1.67	Yes	Yes
043000018	4	Sabine	Kilgore Downtown Storm Sewer Master Plan Improvements	Downtown Storm Sewer Improvements	04000007	Gregg	120100020502, 120100020503	Middle Sabine	Storm Drain	1	Riverine, Coastal	Kilgore	Kilgore	No	\$2,242,305	None	\$0	0	No	No	0.962	No	0.01	Yes	Yes

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type
042000001	4	Sabine	Orange County Drainage District Design Criteria	Update Design Criteria	04000009, 04000018, 04000019	Orange	12010005	120100051100, 120100051003, 120100051004, 120100051005	Lower Sabine	Regulatory and Guidance	371.0352173	Riverine, Coastal
042000002	4	Sabine	Orange County Property Buyouts	Administer program to acquire flood prone/repetitive loss properties and convert to open space, parks, boating access, trails, agricultural projects, and/or as a general community asset.	04000005	Orange	12010005	120100051100, 120100051003, 120100051004, 120100051005	Lower Sabine	Property Acquisition and Structural Elevation	371.0352173	Riverine, Coastal
042000003	4	Sabine	Orange County Drainage District Flood Warning System	Improvement of existing flood warning system	04000015	Orange	12010005	120100051100, 120100051003, 120100051004, 120100051005	Lower Sabine	Flood Measurement and Warning	371.0352173	Riverine, Coastal
042000004	4	Sabine	Orange County Detention Ponds Throughout County	Series of detention ponds to prevent flooding along IH-10, Hwy 12, Hwy 62, and Hwy 87 – the County’s evacuation routes.	04000007	Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Infrastructure Projects	371.0352173	Riverine, Coastal
042000005	4	Sabine	Van Zandt County Wide Floodplain Development Regulations	Incorporate higher standards for flood hazard resiliency in local application of the building code.	04000009, 04000018	Van Zandt	12010001	120100010407, 120100010503, 120100010501, 120100010502, 120100010504, 120100010601, 120100010507, 120100010603, 120100010608, 120100010605, 120100010607, 120100010505, 120100010405, 120100010604	Upper Sabine	Regulatory and Guidance	856.3718262	Riverine
042000006	4	Sabine	Rockwall Countywide Flood Awareness Program	Develop a public education and awareness website to educate and inform Rockwall County residents/businesses about the natural hazards and the potential ways to mitigate them.	04000009	Rockwall	12010001	120100010301, 120100010302	Upper Sabine	Education and Outreach	148.0785675	Riverine

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/ Structure removed	Consideration of Nature based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
042000001	Orange County	Orange County	Yes	50000	50000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000002	Orange County	Orange County	Yes	100000	100000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000003	Orange County	Orange County	Yes	150000	150000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000004	Orange County	Orange County	Yes	44000000	44000000	Yes \$0	0	No	No	None	No	Yes	Aligns with RFPG Goals
042000005	Van Zandt	Van Zandt	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000006	Rockwall	Rockwall	No	2775	2775	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type
042000008	4	Sabine	Orange County Emergency Response Staging Area	Staging Area and "lily pads" for use during disaster events.	04000011	Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Other	371.032074	Riverine, Coastal
042000009	4	Sabine	Orange County Elevation of Residential Structures Program	Elevations of homes within Floodplains throughout County.	04000005	Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Property Acquisition and Structural Elevation	371.032074	Riverine, Coastal
042000010	4	Sabine	Orange County Drainage District Additional Gages And Warning Systems	Incorporation of additional rain gauges and flood sensors throughout jurisdiction.	04000015	Orange	12010005	120100051003, 120100051004, 120100051005, 120100051100	Lower Sabine	Flood Measurement and Warning	371.032074	Riverine, Coastal
042000011	4	Sabine	City of Edgewood Emergency Siren Program	Purchase and install outdoor warning sirens.	04000015	Van Zandt	12010001	120100010502, 120100010504	Upper Sabine	Flood Measurement and Warning	1.40519214	Riverine
042000012	4	Sabine	City of Edgewood Flood Infrastructure Maintenance	Adopt and implement a program for clearing debris from bridges, drains, and culverts	04000011	Van Zandt	12020001	120100010502, 120100010504	Upper Sabine	Other	1.40519214	Riverine
042000013	4	Sabine	City of Greenville NFIP Participation	Increase NFIP Participation. Greenville participates in the NFIP program and needs to strongly encourage through education additional residents and businesses to purchase and maintain flood insurance.	04000009, 04000018	Hunt	12010001	120100010103, 120100010102, 120100010204, 120100010401	Upper Sabine	Regulatory and Guidance	33.00004578	Riverine
042000014	4	Sabine	City of Fruitvale "StormReady" Program	Obtain certification in the National Weather Service StormReady Program.	04000009, 04000018	Van Zandt	12010001	120100010504, 120100010601	Upper Sabine	Regulatory and Guidance	1.90008843	Riverine
042000015	4	Sabine	City of Fruitvale Flood Emergency Notification System	Implement and enhance an area-wide telephone Emergency Notification System ("Reverse 911").	04000015, 04000009	Van Zandt	12010001	120100010504, 120100010601	Upper Sabine	Flood Measurement and Warning	1.90008843	Riverine
042000016	4	Sabine	City of Van "StormReady" Program	Obtain certification in the National Weather Service StormReady Program.	04000009, 04000018	Van Zandt	12010001	120100010608, 120100010607	Upper Sabine	Regulatory and Guidance	2.98074651	Riverine
042000017	4	Sabine	City of Van Flood Infrastructure Maintenance	Adopt and implement a program for clearing debris from bridges, drains and culverts.	04000011	Van Zandt	12010001	120100010608, 120100010607	Upper Sabine	Other	2.98074651	Riverine
042000018	4	Sabine	City of Grand Saline "StormReady" Program	Obtain certification in the National Weather Service StormReady Program.	04000009, 04000018	Van Zandt	12010001	120100010601, 120100010605	Upper Sabine	Regulatory and Guidance	2.1081779	Riverine

FMS ID	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/ Structure removed	Consideration of Nature based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
042000008	Orange County Drainage District	Orange County Drainage District	Yes	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000009	Orange County Drainage District	Orange County Drainage District	Yes	50000	50000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000010	Orange County Drainage District	Orange County Drainage District	Yes	200000	200000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000011	Edgewood	Edgewood	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000012	Edgewood	Edgewood	No	100000	100000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000013	Greenville	Greenville	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000014	Fruitvale	Fruitvale	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000015	Fruitvale	Fruitvale	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000016	Van	Van	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000017	Van	Van	No	50000	50000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000018	Grand Saline	Grand Saline	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type
042000019	4	Sabine	City of Grand Saline Flood Infrastructure Maintenance	Adopt and implement a program for clearing debris from bridges, drains, and culverts	04000011	Van Zandt	12010001	120100010601,	Upper Sabine	Other	2.1081779	Riverine
042000020	4	Sabine	City of Wills Point "StormReady" Program	Obtain certification in the National Weather Service StormReady Program.	04000009, 04000018	Van Zandt	12010001	120100010501, 120100010502	Upper Sabine	Regulatory and Guidance	3.66762781	Riverine
042000021	4	Sabine	City of Wills Point Flood Emergency Notification System	Implement and enhance an area-wide telephone Emergency Notification System ("Reverse 911").	04000015, 04000009	Van Zandt	12010001	120100010501, 120100010502	Upper Sabine	Flood Measurement and Warning	3.66762781	Riverine
042000022	4	Sabine	City of Wills Point Flood Infrastructure Maintenance	Adopt and implement a program for clearing debris from bridges, drains and culverts.	04000011	Van Zandt	12010001	120100010501, 120100010502	Upper Sabine	Other	3.66762781	Riverine
042000023	4	Sabine	City of Wills Point Flood Awareness Program	Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" Program.	04000009, 04000017	Van Zandt	12010001	120100010501, 120100010502	Upper Sabine	Education and Outreach	3.66762781	Riverine
042000024	4	Sabine	City of Fate Flood Access Improvement	Add secondary entry/access roads to existing neighborhoods where possible/enforce two entry/access road requirements in existing code for new construction	04000011	Rockwall	12010001	120100010301	Upper Sabine	Regulatory and Guidance	11.97986603	Riverine
042000025	4	Sabine	City of Fate Flood Infrastructure Maintenance	Develop and implement a county-wide pre-disaster debris removal and monitoring contracts	04000011	Rockwall	12010001	120100010301	Upper Sabine	Other	11.97986603	Riverine
042000026	4	Sabine	City of Gladewater Flood Awareness Program	Develop and implement a public education campaign to inform the public about mitigation actions they can take to make their family and home safer. Put information and links to outside resources on city websites and facebook pages.	04000009	Gregg, Upshur	12010002	120100020402, 120100020403, 120100020405	Middle Sabine	Education and Outreach	12.04778767	Riverine

FMS ID	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/ Structure removed	Consideration of Nature based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
042000019	Grand Saline	Grand Saline	No	100000	100000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000020	Wills Point	Wills Point	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000021	Wills Point	Wills Point	No	10200	10200	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000022	Wills Point	Wills Point	No	51000	51000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000023	Wills Point	Wills Point	No	10200	10200	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000024	Fate	Fate	No	400000	400000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000025	Fate	Fate	No	100000	100000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000026	Gladewater	Gladewater	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type
042000027	4	Sabine	City of Gladewater Flood Awareness Program	Develop and implement the "Turn Around, Don't Drown Program"	04000009	Gregg, Upshur	12010002	120100020402, 120100020403, 120100020405	Middle Sabine	Education and Outreach	12.04778767	Riverine
042000028	4	Sabine	City of Gladewater Flood Infrastructure Maintenance Program	Implement program to remove debris from drainage culverts when needed to alleviate potential flooding hazards	04000011	Gregg, Upshur	12010002	120100020402, 120100020403, 120100020405	Middle Sabine	Other	12.04778767	Riverine
042000029	4	Sabine	City of Gladewater Flood Awareness Program	Develop, implement and promote a public education campaign to encourage the public to register for the Nixle warning system; put link on city websites and facebook pages.	04000009	Gregg, Upshur	12010002	120100020405	Middle Sabine	Education and Outreach	6.50636148	Riverine
042000030	4	Sabine	City of Kilgore "StormReady" Program	Obtain awareness materials from Texas Floodplain Management Association for distribution to the public. Post public awareness content on social media platforms prior to and during flooding.	04000009	Gregg, Rusk	12010002	120100020506, 120100020405, 120100020502, 120100020503	Middle Sabine	Education and Outreach	18.57613373	Riverine
042000032	4	Sabine	City of Kilgore Flood Infrastructure Inspection and Maintenance Program	Investigate the current condition of culverts, headwalls, and repairs to culverts and headwalls	04000011	Rusk	12010002	120100020502, 120100020503, 120100020506, 120100020405	Middle Sabine	Other	18.57613373	Riverine
042000033	4	Sabine	City of Clarksville City Flood Infrastructure Inspection and Maintenance Program	Monitor flood-prone areas and remove debris from drainage culverts when needed to alleviate potential flooding hazards.	04000011	Gregg, Upshur	12010002	120100020405	Middle Sabine	Other	6.50636148	Riverine
042000034	4	Sabine	City of Longview Flood Awareness Program	Promote the "Turn Around Don't Drown" campaign, in partnership with DPS.	04000009	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Education and Outreach	55.7143364	Riverine
042000035	4	Sabine	City of Longview Flood Mitigation Training Program	Seek state and FEMA sponsored training in flood mitigation for key personnel.	04000009, 04000018	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Regulatory and Guidance	55.7143364	Riverine

FMS ID	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/ Structure removed	Consideration of Nature based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
042000027	Gladewater	Gladewater	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000028	Gladewater	Gladewater	No	20000	20000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000029	Gladewater	Gladewater	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000030	Kilgore	Kilgore	No	5000	5000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000032	Kilgore	Kilgore	No	30000	30000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000033	Clarksville City	Clarksville City	No	20000	20000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000034	Longview	Longview	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000035	Longview	Longview	No	2000	2000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type
042000036	4	Sabine	Longview Flood Mitigation Floodplain Development Regulations	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.	04000009, 04000018	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Regulatory and Guidance	55.7143364	Riverine
042000037	4	Sabine	City of Longview Online Flood Awareness Program	Place links on local websites to free FEMA training for independent study via the internet, such as 15-271 "Anticipating Hazardous Weather and Community Risk."	04000009	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Education and Outreach	55.7143364	Riverine
042000038	4	Sabine	City of Longview Regulatory Flood Hazard Map Program	Work with state and federal agencies to maintain current flood maps.	04000009, 04000018	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Regulatory and Guidance	55.7143364	Riverine
042000039	4	Sabine	City of Longview Property Acquisition Program	Implementation of program to purchase properties and severe loss-repetitive loss homes in floodplain areas to reserve them from development.	04000005	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Property Acquisition and Structural Elevation	55.7143364	Riverine
042000041	4	Sabine	City of Longview Dam Development	Promote FEMA-recommended construction methods for any new dam	04000009, 04000018	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Regulatory and Guidance	55.7143364	Riverine
042000042	4	Sabine	City of Hideaway Flood Awareness Program	Conduct public outreach to educate homeowners on flood mitigation measures for their homes.	04000009	Smith	12010002	120100020102	Middle Sabine	Education and Outreach	2.42082477	Riverine

FMS ID	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/ Structure removed	Consideration of Nature based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
042000036	Longview	Longview	No	0	0	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000037	Longview	Longview	No	0	0	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000038	Longview	Longview	No	0	0	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000039	Longview	Longview	No	100000	100000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000041	Longview	Longview	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000042	Hideaway	Hideaway	No	10500	10500	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type
042000043	4	Sabine	City of Hideaway Floodplain Development Regulations	Mandate 2 FT Freeboard on Hideaway Lakes Dams	04000009, 04000018	Smith	12010002	120100020102	Middle Sabine	Regulatory and Guidance	2.42082477	Riverine
042000044	4	Sabine	City of Hideaway Flood Awareness Program	Public Awareness of Evacuation Routes from rising water from dam failure.	04000009	Smith	12010002	120100020102	Middle Sabine	Education and Outreach	2.42082477	Riverine
042000045	4	Sabine	City of Hideaway Dam Reliability Program	The city will remove trees from earthen dams on hideaway lakes #2 and #3 to mitigate erosion and assist with soil adhesion.	04000011	Smith	12010002	120100020102	Middle Sabine	Other	2.42082477	Riverine
042000046	4	Sabine	City of Winona Flood Awareness Program	Conduct public outreach to homeowners and residents on flood mitigation measures for their residents.	04000009	Smith	12010002	120100020107, 120100020303	Middle Sabine	Education and Outreach	1.5506897	Riverine
042000047	4	Sabine	City of Roysse City Floodplain Management Ordinances	Update Flood Prevention ordinance, adopting a "no-rise" in Base Flood Elevation in the 100-year floodplain.	04000009, 04000018	Rockwall, Collin, Hunt	12010001	120100010202, 120100010301, 120100010302	Upper Sabine	Regulatory and Guidance	18.35892296	Riverine
042000048	4	Sabine	City of Roysse City "StormReady" Program	Achieve certification by the National Weather Service as a "StormReady" Community.	04000009, 04000018	Rockwall, Collin, Hunt	12010001	120100010202, 120100010301, 120100010302	Upper Sabine	Regulatory and Guidance	18.35892296	Riverine
042000049	4	Sabine	City of Como Flood Awareness Program	Disseminate PSA's, Newspaper Articles through local media about dangers of flooded county roads and to "Turn Around; Don't Drown."	04000009	Hopkins	12010003	120100030201	Lake Fork	Education and Outreach	1.10377705	Riverine
042000050	4	Sabine	City of Cumby Flood Awareness Program	Develop and implement the "Turn Around, Don't Drown Program"	04000009	Hopkins	12010003	120100030101, 120100030104	Lake Fork	Education and Outreach	0.95927233	Riverine
042000051	4	Sabine	City of Cumby Flood Awareness Program	Disseminate PSA's, Newspaper Articles through local media about dangers of flooded county roads	04000009	Hopkins	12010003	120100030101, 120100030104	Lake Fork	Education and Outreach	0.95927233	Riverine
042000052	4	Sabine	City of Marshall Property Acquisition Program	Encourage development of acquisition and management strategies to preserve open space for flood mitigation and water quality in the floodplain.	04000005	Harrison	12010002	120100020703, 120100020701, 120100020702, 120100020704	Middle Sabine	Property Acquisition and Structural Elevation	29.54636765	Riverine

FMS ID	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/ Structure removed	Consideration of Nature based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
042000043	Hideaway	Hideaway	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000044	Hideaway	Hideaway	No	10500	10500	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000045	Hideaway	Hideaway	No	60000	60000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000046	Winona	Winona	No	104000	104000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000047	Royse City	Royse City	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000048	Royse City	Royse City	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000049	Como	Como	No	10000	10000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000050	Cumby	Cumby	No	0	0	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000051	Cumby	Cumby	No	11500	11500	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals
042000052	Marshall	Marshall	No	50000	50000	Yes \$0	0	No	No	Non-Structural	No	Yes	Aligns with RFPG Goals

**APPENDIX 5-C**  
**ONE PAGE SUMMARIES**

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# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

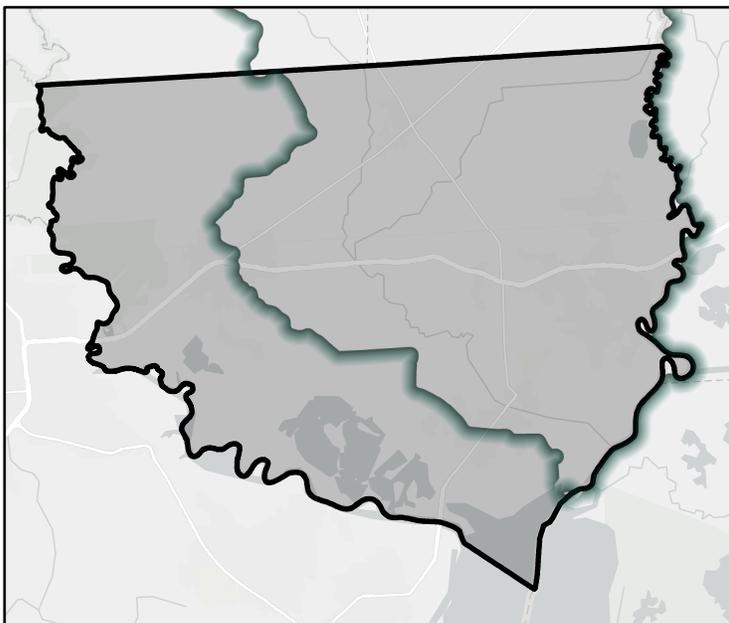
Goal(s)

## 100-Year Flood Risk Summary

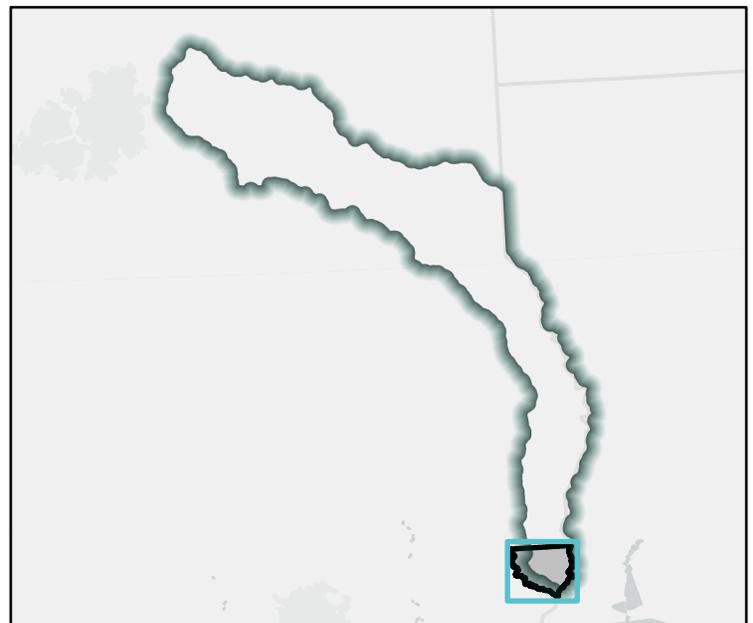
Population at risk	<input type="text" value="26,881"/>	# of structures	<input type="text" value="16,974"/>	# of critical facilities	<input type="text" value="276"/>
Flood risk type: Riverine?	<input checked="" type="checkbox"/> Yes	Coastal?	<input checked="" type="checkbox"/> Yes	Local Flooding?	<input type="checkbox"/> No
Other?	<input type="checkbox"/> No				
Farm/Ranch land impacted (ac.)	<input type="text" value="17,171"/>	Roadways impacted (miles)	<input type="text" value="364"/>		
# of low water crossings	<input type="text" value="22"/>	# of historical road closures	<input type="text" value="22"/>		

## Estimated Cost and Funding Availability

Total Cost	<input type="text" value="\$250,000"/>	Potential federal funding availability?	<input checked="" type="checkbox"/> Yes	Potential Federal Funding Sources	<input type="text" value="0"/>
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title Jasper County Flood Hazard Mapping

ID# 041000060 Sponsor

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

## Study Details

Study type Watershed Planning County Jasper

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

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 966

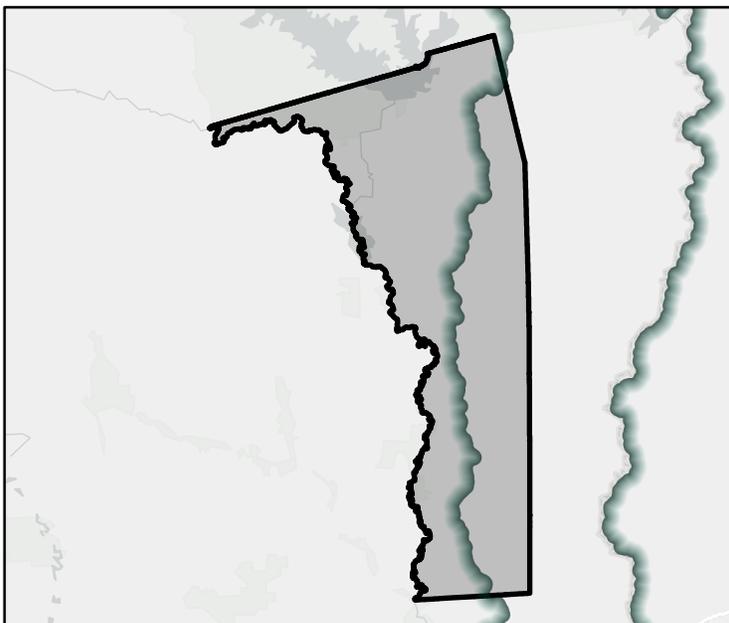
Goal(s)

## 100-Year Flood Risk Summary

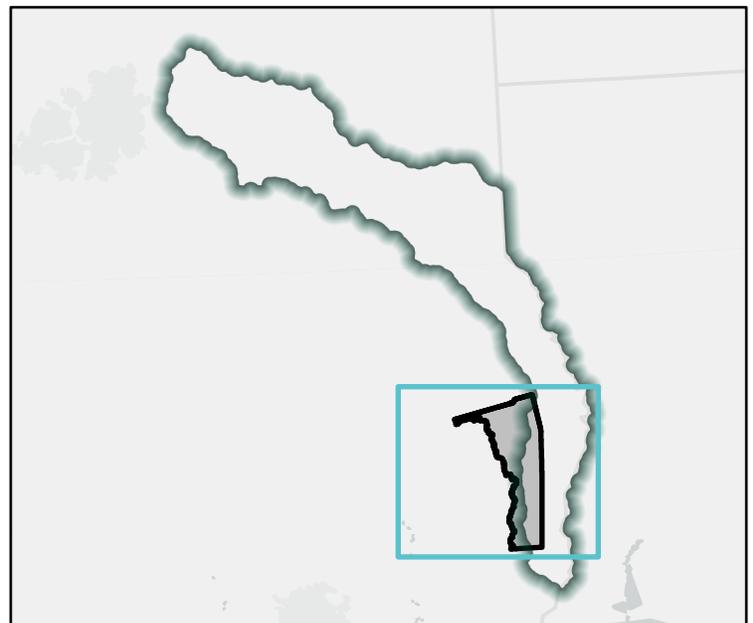
Population at risk	1,739	# of structures	945	# of critical facilities	15		
Flood risk type: Riverine?	Yes	Coastal?	No	Local Flooding?	No	Other?	No
Farm/Ranch land impacted (ac.)	2	Roadways impacted (miles)	67				
# of low water crossings	5	# of historical road closures	5				

## Estimated Cost and Funding Availability

Total Cost	\$700,000	Potential federal funding availability?	Yes	Potential Federal Funding Sources	0
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Reason for Recommendation  Aligns with RFPG Goals

## Study Details

Study type  County

Study description

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

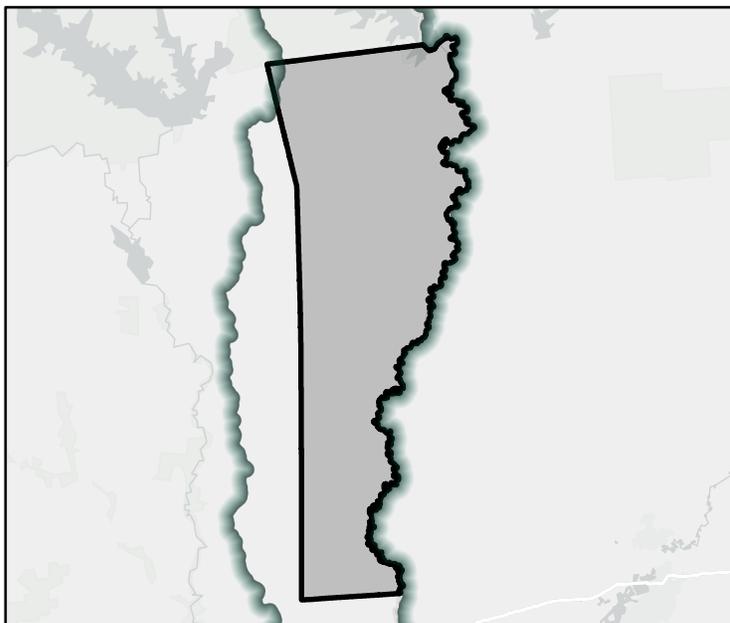
Goal(s)

## 100-Year Flood Risk Summary

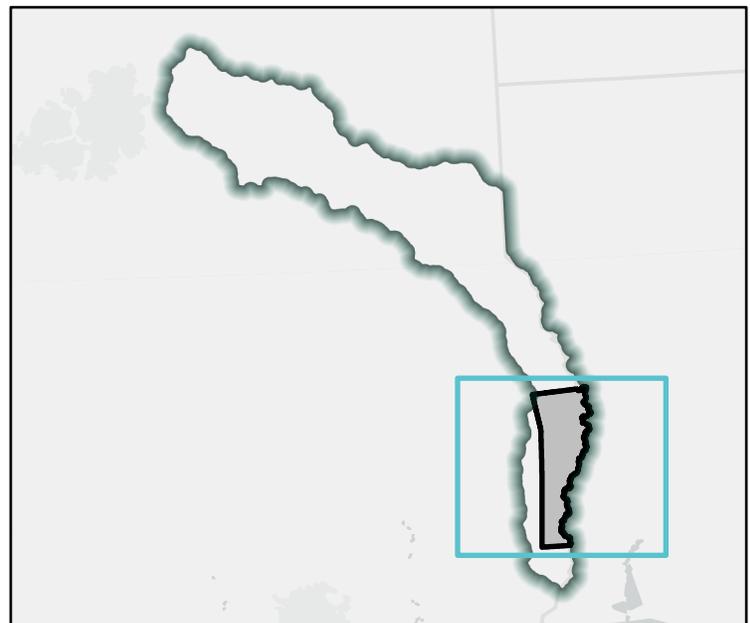
Population at risk	<input type="text" value="2,585"/>	# of structures	<input type="text" value="3,237"/>	# of critical facilities	<input type="text" value="324"/>
Flood risk type: Riverine?	<input checked="" type="checkbox"/>	Coastal?	<input checked="" type="checkbox"/>	Local Flooding?	<input type="checkbox"/> No
Other?	<input type="checkbox"/> No				
Farm/Ranch land impacted (ac.)	<input type="text" value="8,621"/>	Roadways impacted (miles)	<input type="text" value="152"/>		
# of low water crossings	<input type="text" value="10"/>	# of historical road closures	<input type="text" value="10"/>		

## Estimated Cost and Funding Availability

Total Cost	<input type="text" value="\$2,340,000"/>	Potential federal funding availability?	<input checked="" type="checkbox"/> Yes	Potential Federal Funding Sources	<input type="text" value="0"/>
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

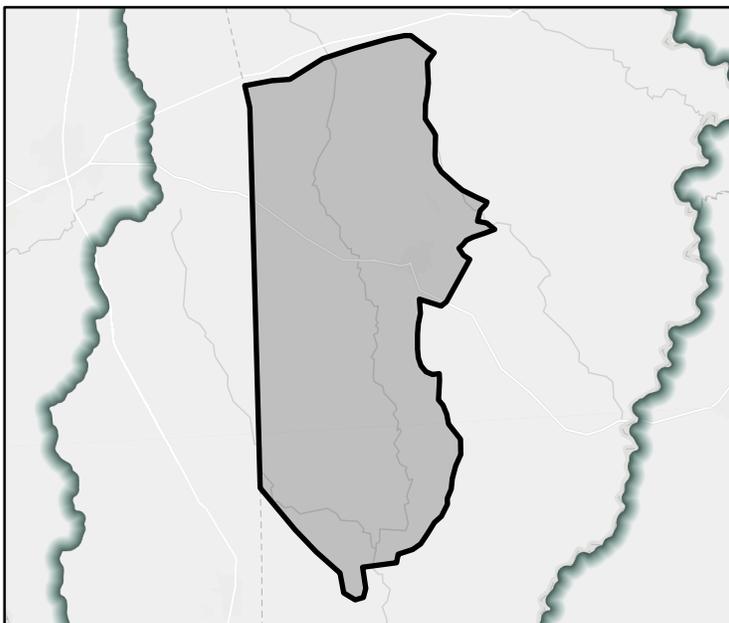
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

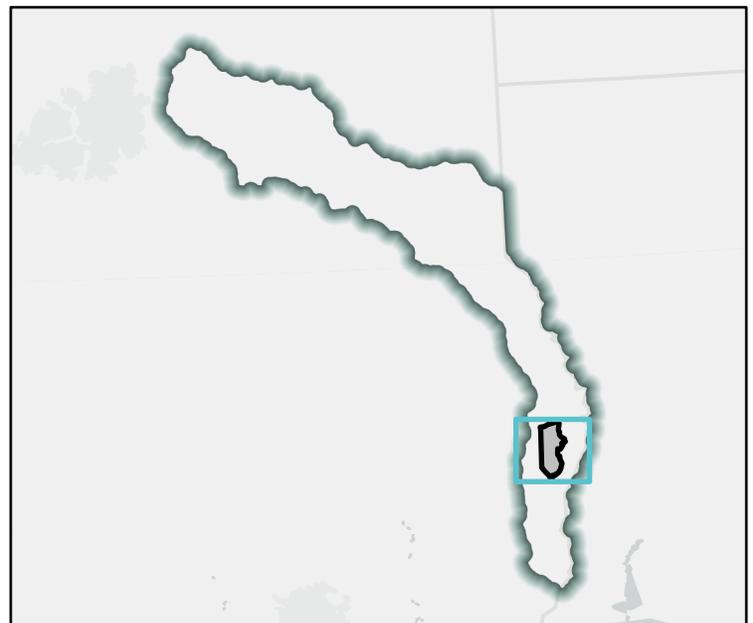
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Reason for Recommendation  Aligns with RFPG Goals

## Study Details

Study type  County

Study description

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

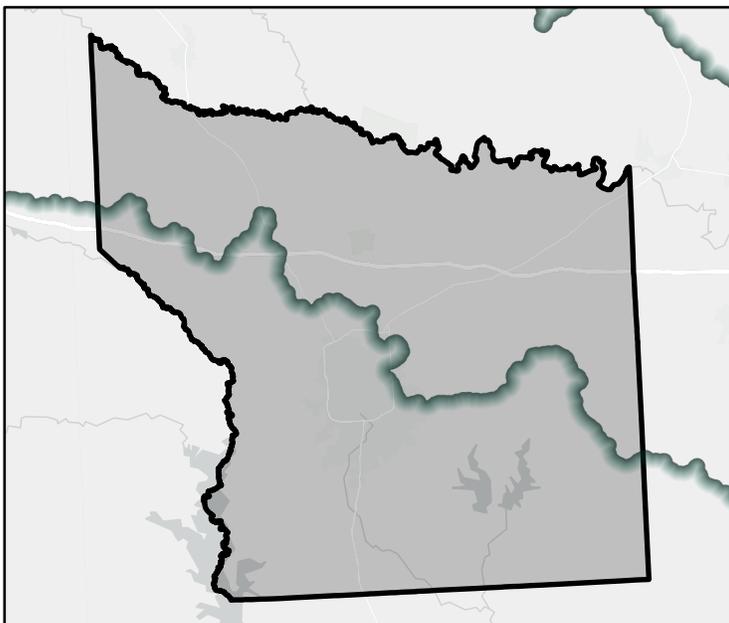
Goal(s)

## 100-Year Flood Risk Summary

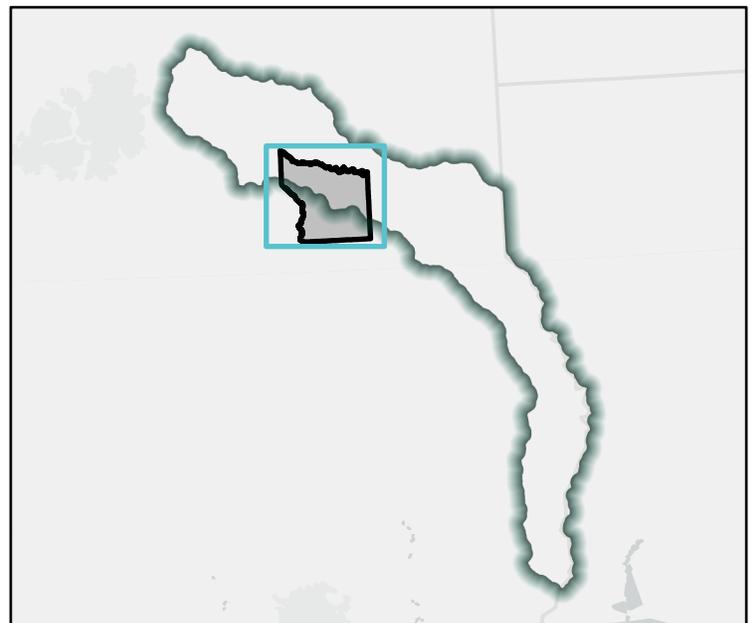
Population at risk	<input type="text" value="1,990"/>	# of structures	<input type="text" value="1,303"/>	# of critical facilities	<input type="text" value="7"/>		
Flood risk type: Riverine?	<input checked="" type="checkbox"/>	Coastal?	<input type="checkbox"/> No	Local Flooding?	<input type="checkbox"/> No	Other?	<input type="checkbox"/> No
Farm/Ranch land impacted (ac.)	<input type="text" value="10,559"/>	Roadways impacted (miles)	<input type="text" value="61"/>				
# of low water crossings	<input type="text" value="0"/>	# of historical road closures	<input type="text" value="0"/>				

## Estimated Cost and Funding Availability

Total Cost	<input type="text" value="\$4,275,000"/>	Potential federal funding availability?	<input checked="" type="checkbox"/> Yes	Potential Federal Funding Sources	<input type="text" value="0"/>
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Reason for Recommendation  Aligns with RFPG Goals

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

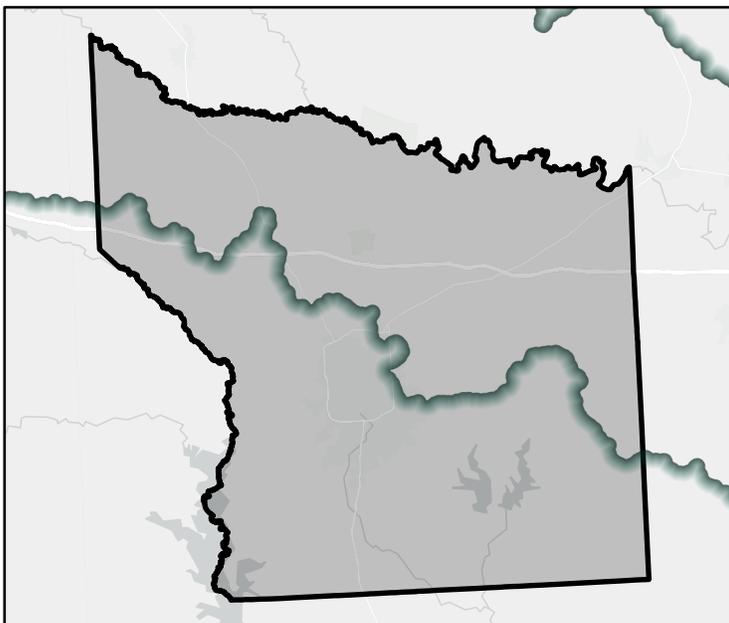
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

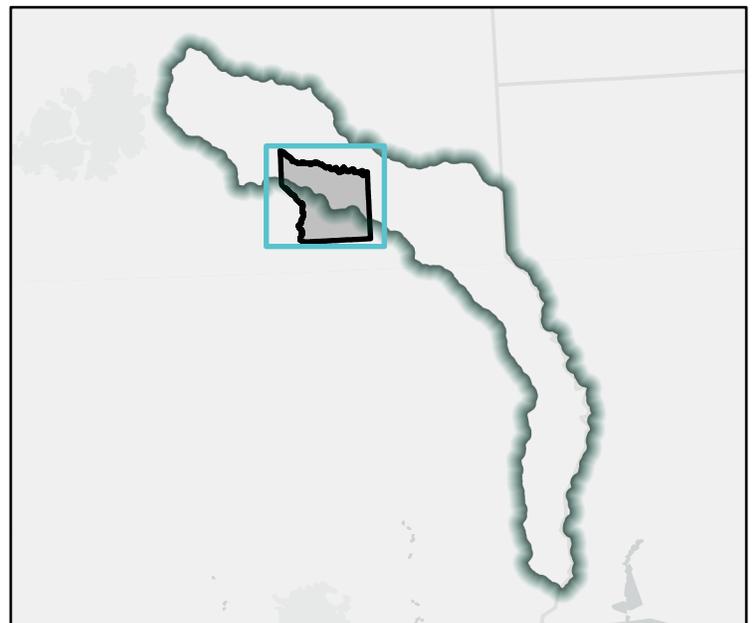
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

Total Cost  Potential federal funding availability?  Potential Federal Funding Sources



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

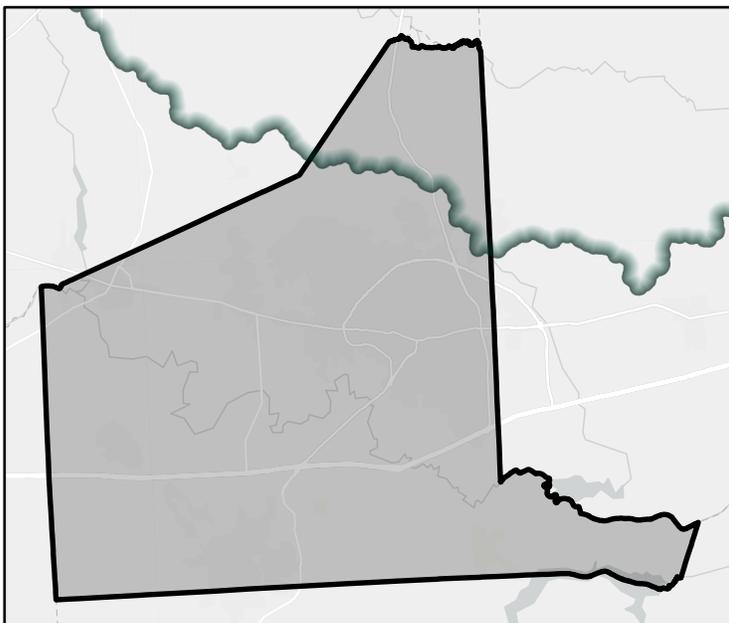
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

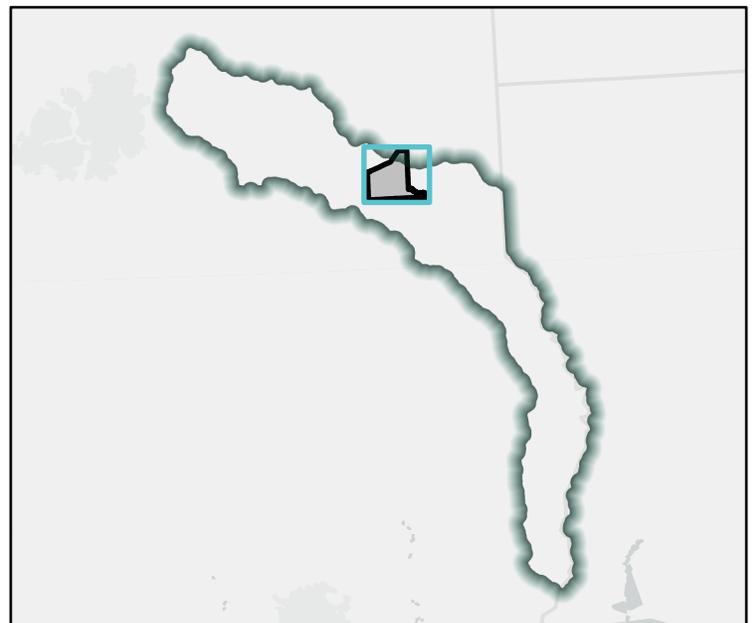
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title Harrison County Flood Hazard Mapping

ID# 041000005 Sponsor

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

## Study Details

Study type Watershed Planning County Panola,Harrison

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? No Drainage area (sq. mi., est.) 912

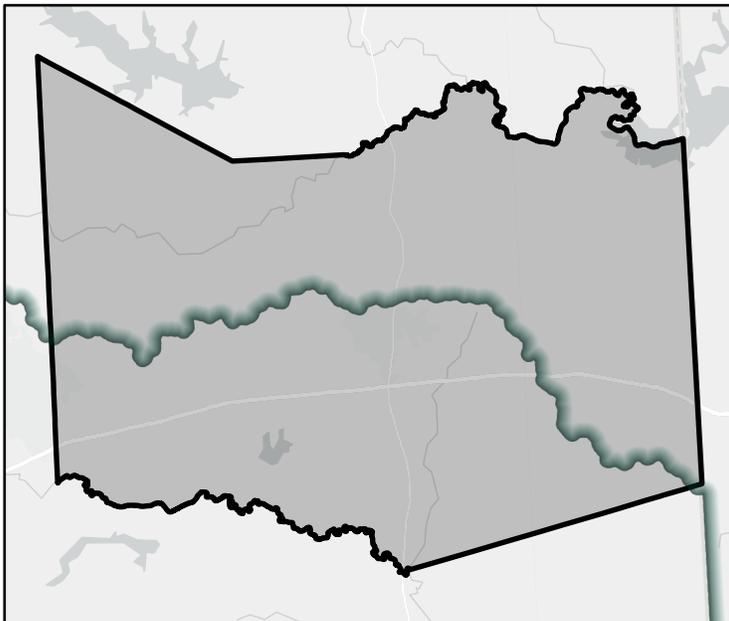
Goal(s)

## 100-Year Flood Risk Summary

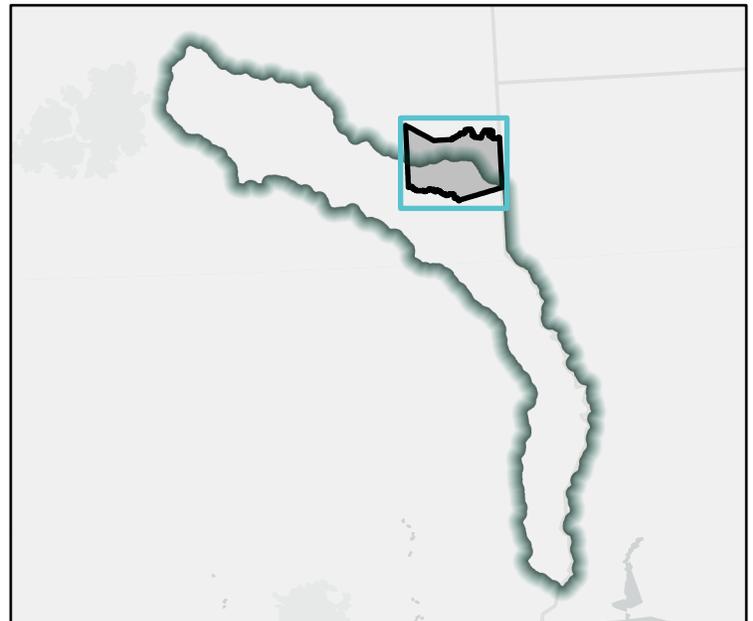
Population at risk	5,221	# of structures	1,086	# of critical facilities	3		
Flood risk type: Riverine?	Yes	Coastal?	No	Local Flooding?	No	Other?	No
Farm/Ranch land impacted (ac.)	9,144	Roadways impacted (miles)	82				
# of low water crossings	2	# of historical road closures	2				

## Estimated Cost and Funding Availability

Total Cost	\$1,850,000	Potential federal funding availability?	Yes	Potential Federal Funding Sources	0
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

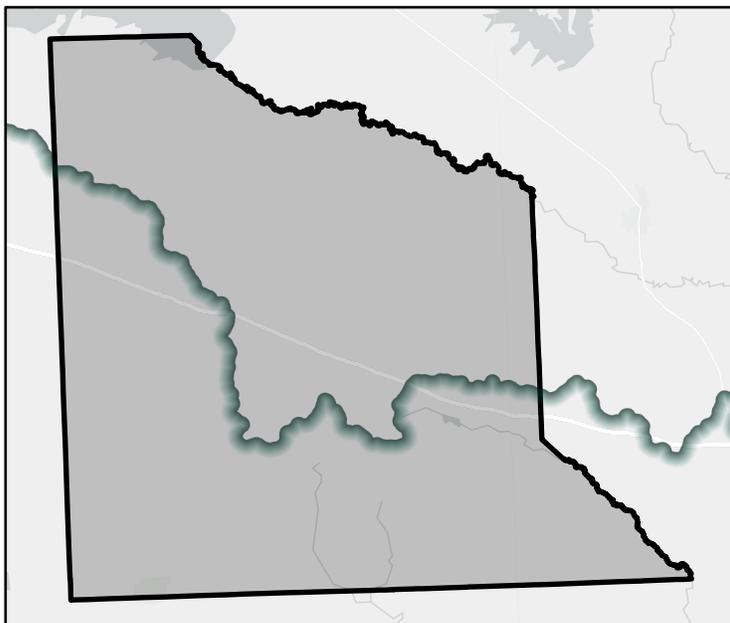
Goal(s)

## 100-Year Flood Risk Summary

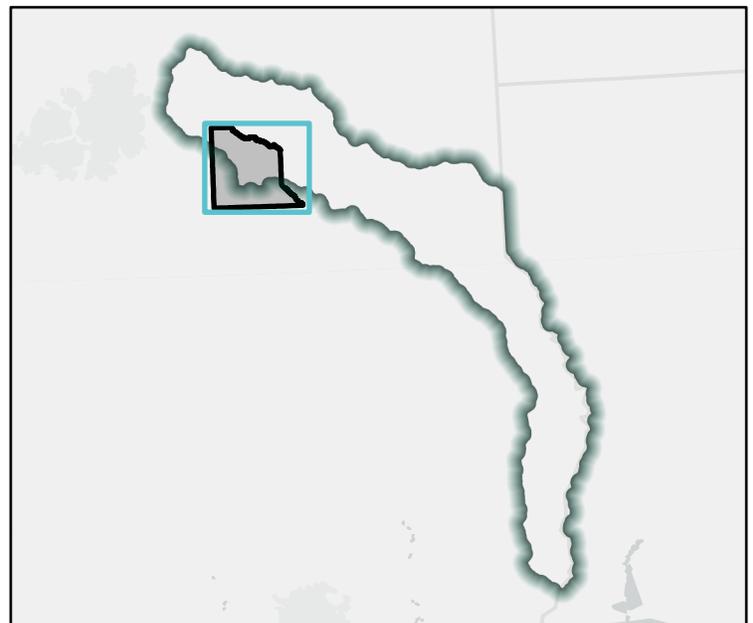
Population at risk	<input type="text" value="1,471"/>	# of structures	<input type="text" value="1,080"/>	# of critical facilities	<input type="text" value="13"/>		
Flood risk type: Riverine?	<input checked="" type="checkbox"/> Yes	Coastal?	<input type="checkbox"/> No	Local Flooding?	<input type="checkbox"/> No	Other?	<input type="checkbox"/> No
Farm/Ranch land impacted (ac.)	<input type="text" value="26,372"/>	Roadways impacted (miles)	<input type="text" value="79"/>				
# of low water crossings	<input type="text" value="9"/>	# of historical road closures	<input type="text" value="9"/>				

## Estimated Cost and Funding Availability

Total Cost	<input type="text" value="\$2,230,000"/>	Potential federal funding availability?	<input checked="" type="checkbox"/> Yes	Potential Federal Funding Sources	<input type="text" value="0"/>
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

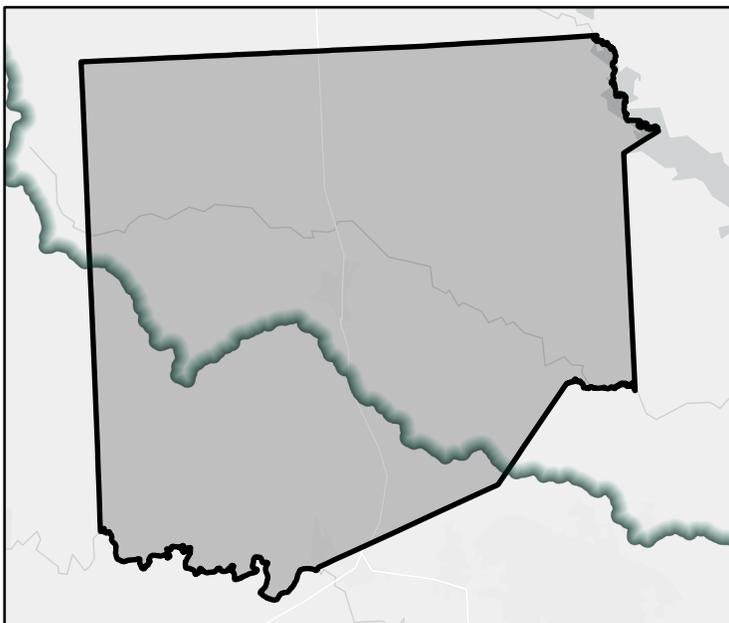
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

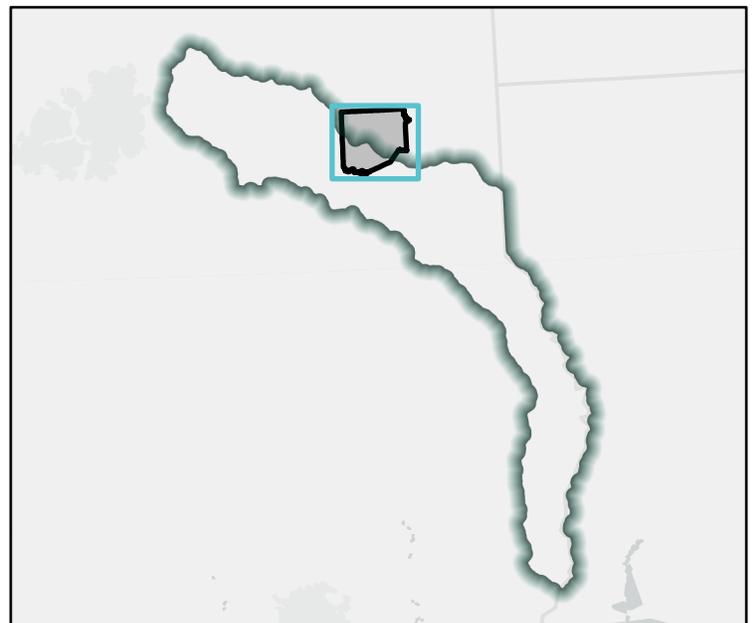
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title Sabine County Flood Hazard Mapping

ID# 041000008 Sponsor

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

## Study Details

Study type Watershed Planning County Sabine

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? No Drainage area (sq. mi., est.) 574

Goal(s)

## 100-Year Flood Risk Summary

Population at risk 762 # of structures 1,611 # of critical facilities 0

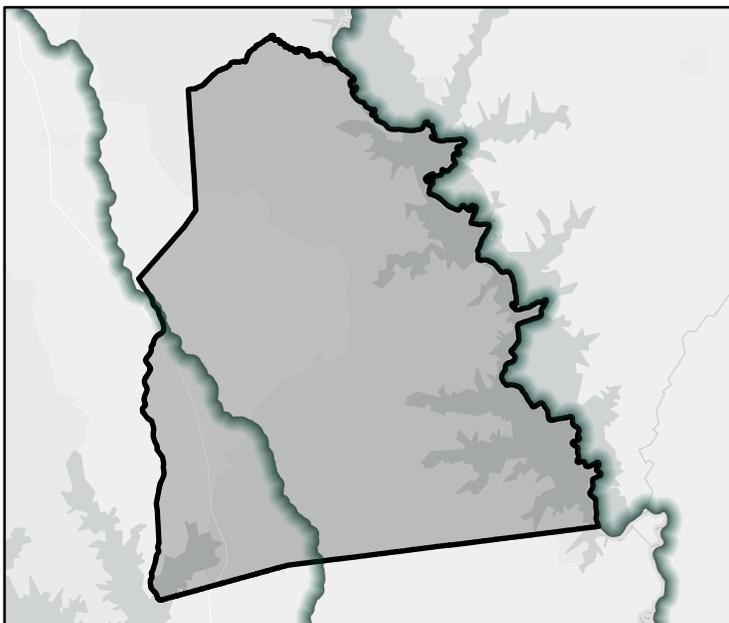
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 2,311 Roadways impacted (miles) 33

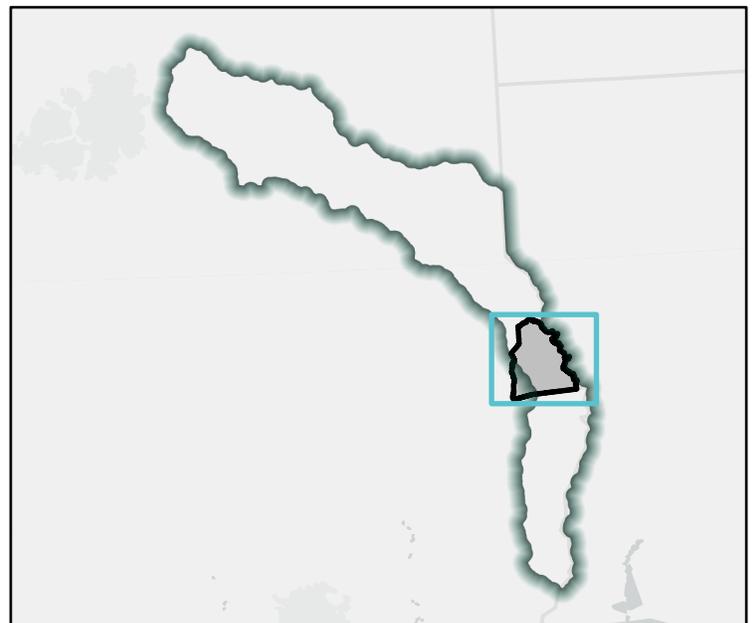
# of low water crossings 6 # of historical road closures 6

## Estimated Cost and Funding Availability

Total Cost \$1,100,000 Potential federal funding availability? Yes Potential Federal Funding Sources 0



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title Sabine County Drainage Master Plan

ID# 041000009 Sponsor

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

## Study Details

Study type Watershed Planning County Sabine

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? No Drainage area (sq. mi., est.) 574

Goal(s)

## 100-Year Flood Risk Summary

Population at risk 762 # of structures 1,611 # of critical facilities 0

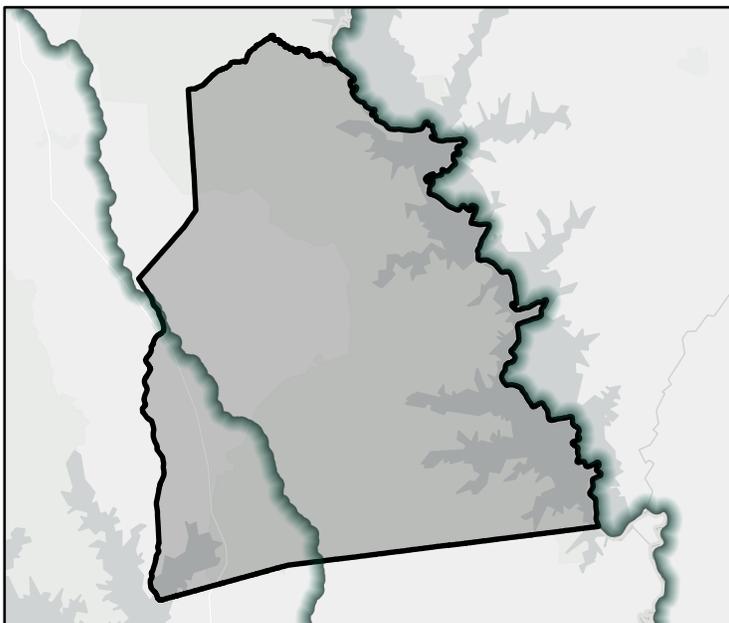
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 2,311 Roadways impacted (miles) 33

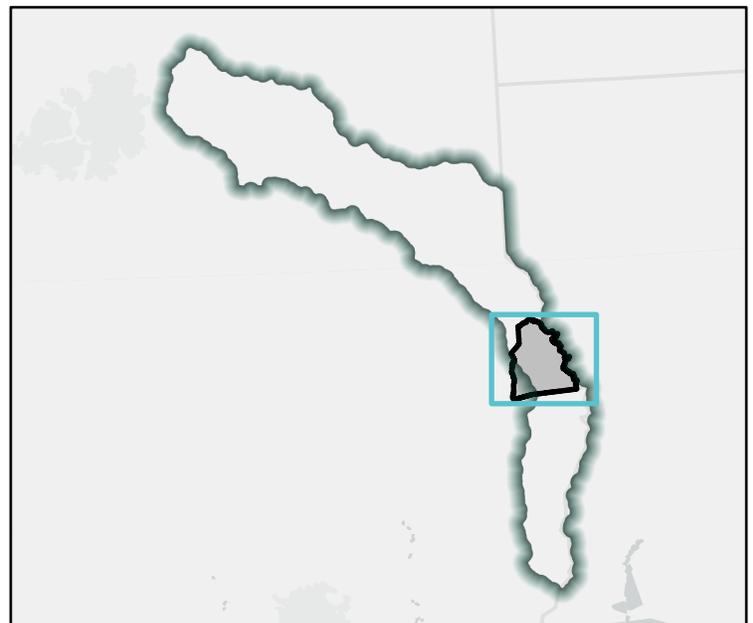
# of low water crossings 6 # of historical road closures 6

## Estimated Cost and Funding Availability

Total Cost \$460,000 Potential federal funding availability? Yes Potential Federal Funding Sources 0



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Yes Reason for Recommendation

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

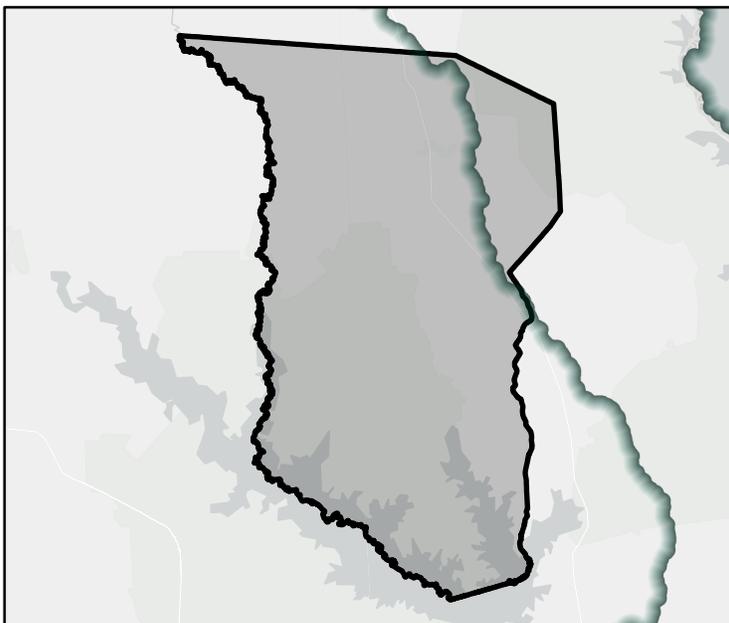
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

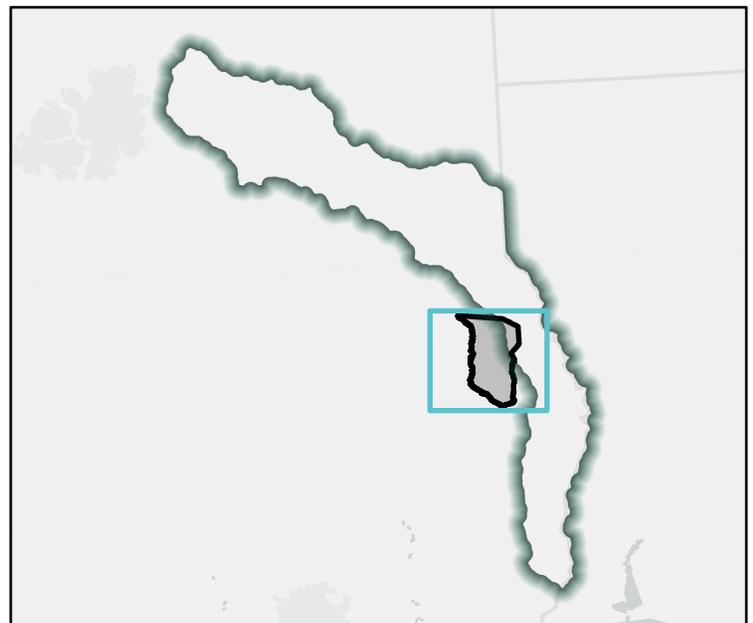
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

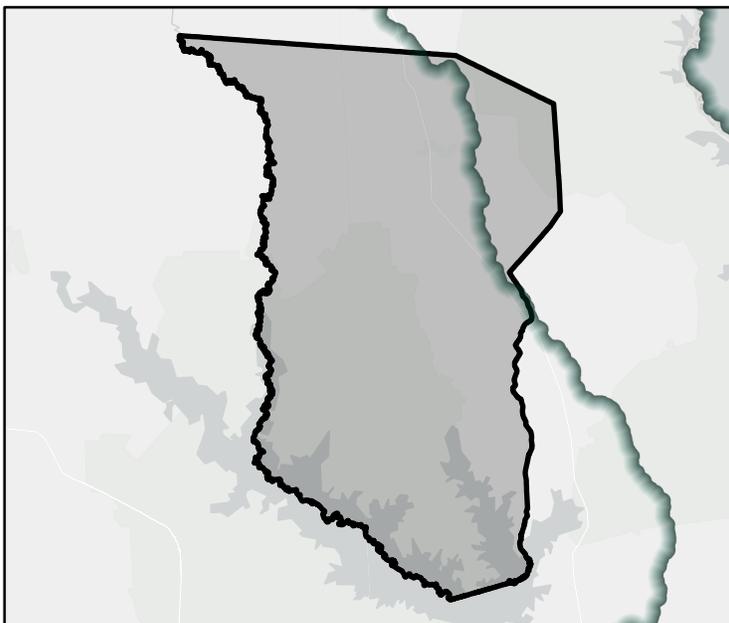
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

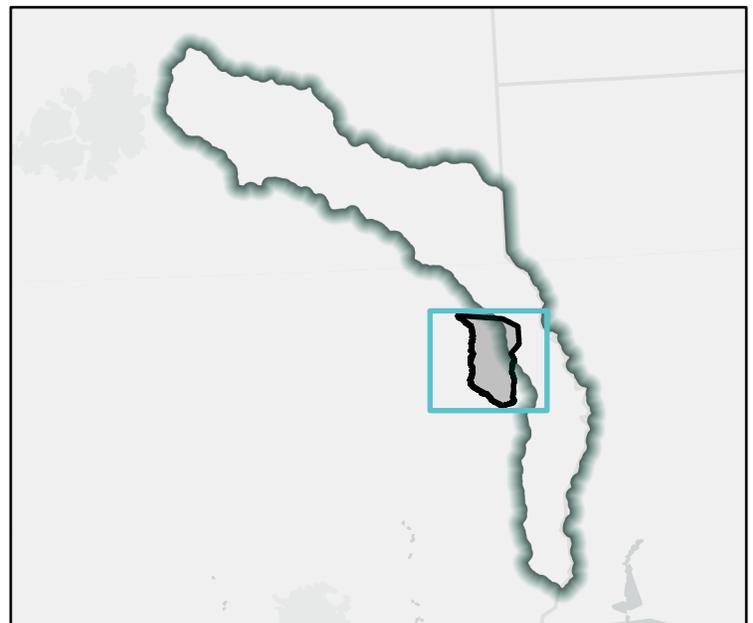
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

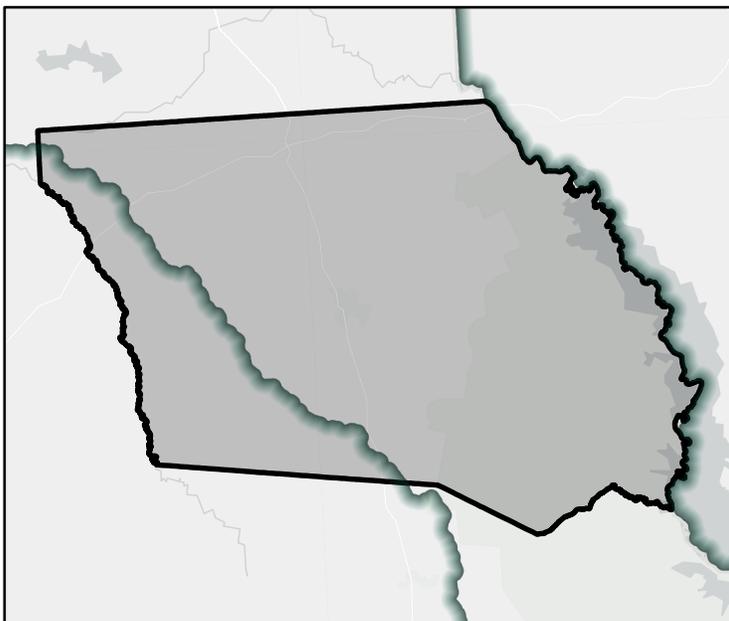
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

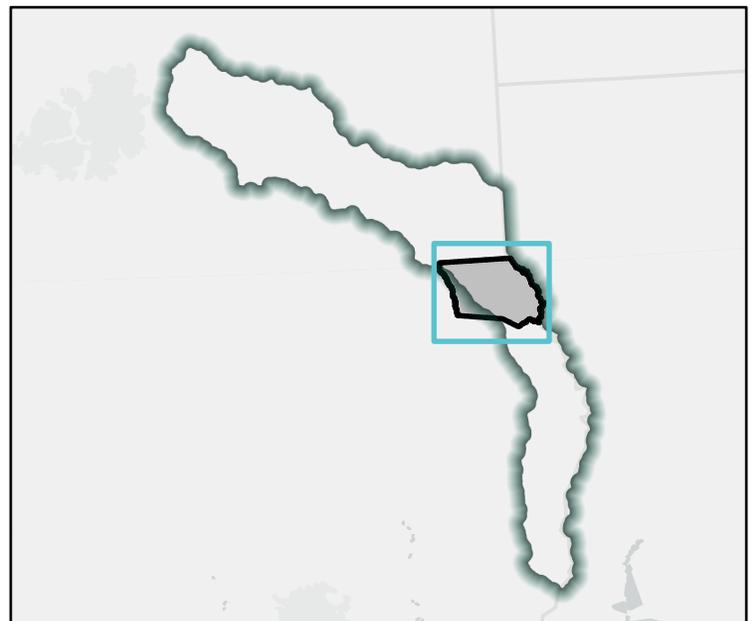
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Reason for Recommendation  Aligns with RFPG Goals

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

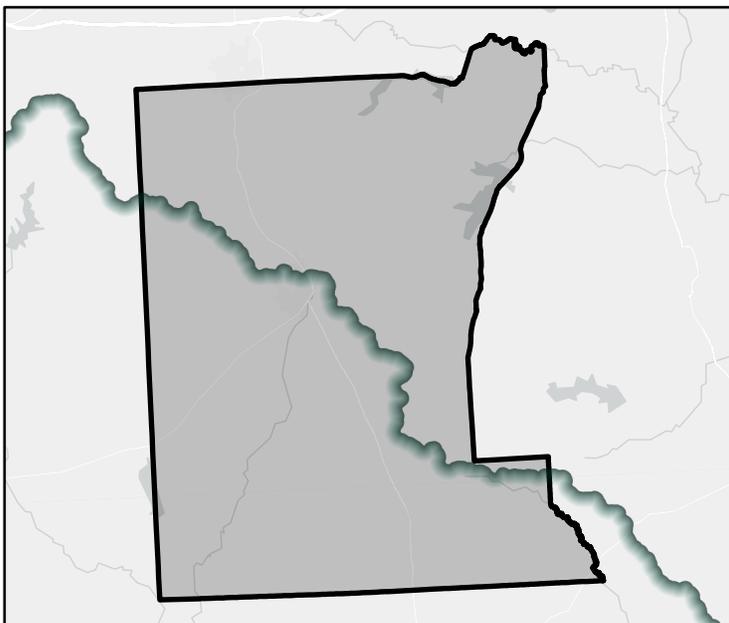
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

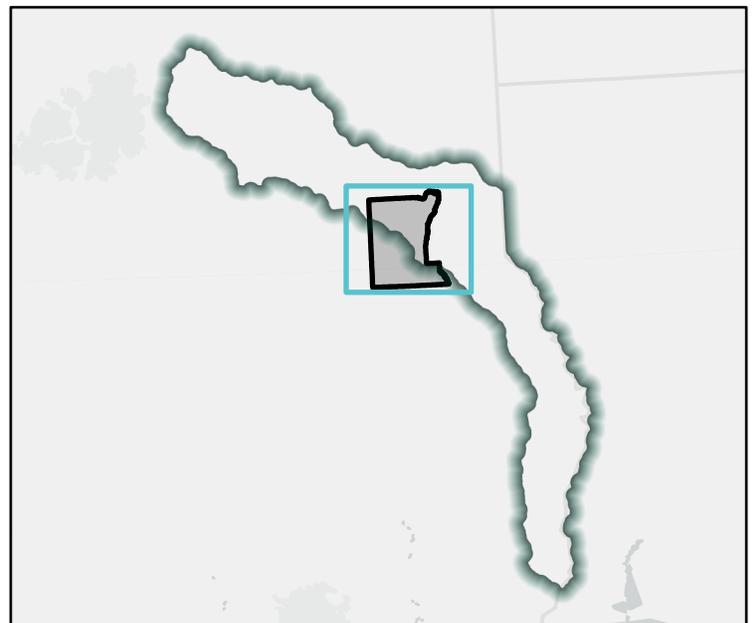
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

Total Cost  Potential federal funding availability?  Potential Federal Funding Sources



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

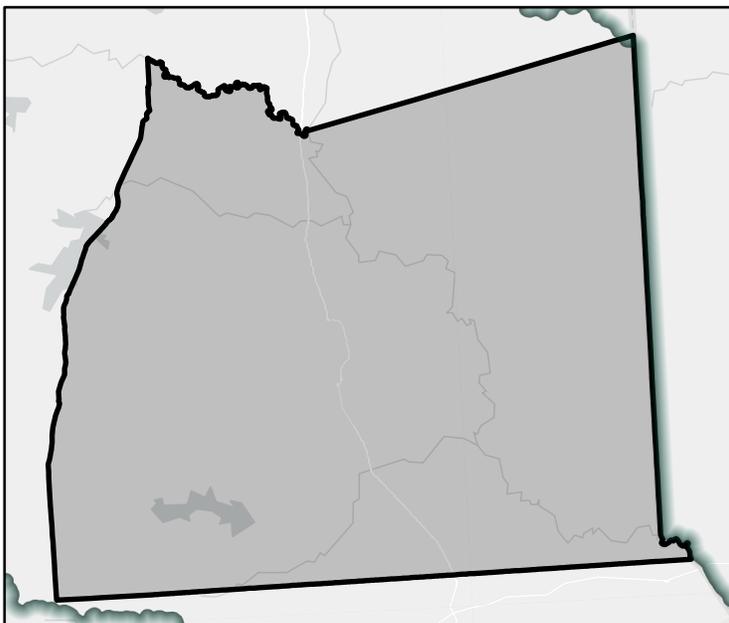
Goal(s)

## 100-Year Flood Risk Summary

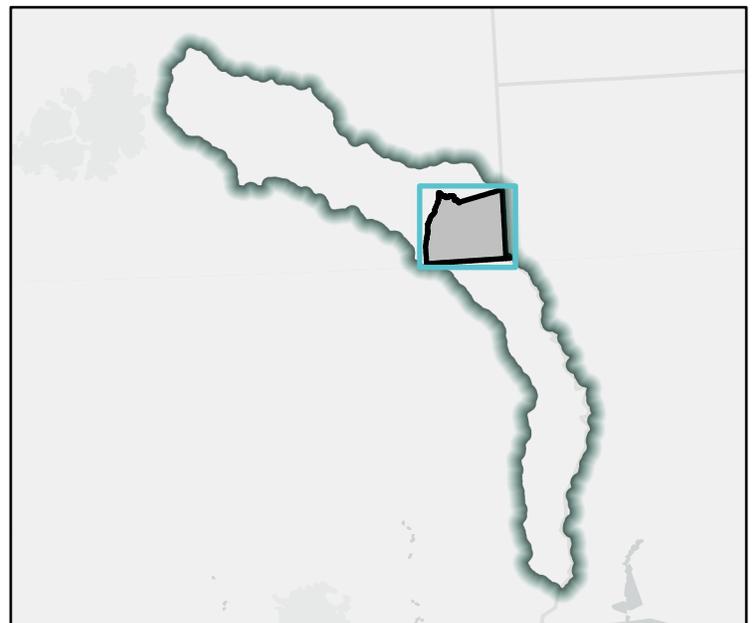
Population at risk	<input type="text" value="1,416"/>	# of structures	<input type="text" value="750"/>	# of critical facilities	<input type="text" value="2"/>		
Flood risk type: Riverine?	<input checked="" type="checkbox"/> Yes	Coastal?	<input type="checkbox"/> No	Local Flooding?	<input type="checkbox"/> No	Other?	<input type="checkbox"/> No
Farm/Ranch land impacted (ac.)	<input type="text" value="24,459"/>	Roadways impacted (miles)	<input type="text" value="119"/>				
# of low water crossings	<input type="text" value="10"/>	# of historical road closures	<input type="text" value="10"/>				

## Estimated Cost and Funding Availability

Total Cost	<input type="text" value="\$3,700,000"/>	Potential federal funding availability?	<input checked="" type="checkbox"/> Yes	Potential Federal Funding Sources	<input type="text" value="0"/>
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

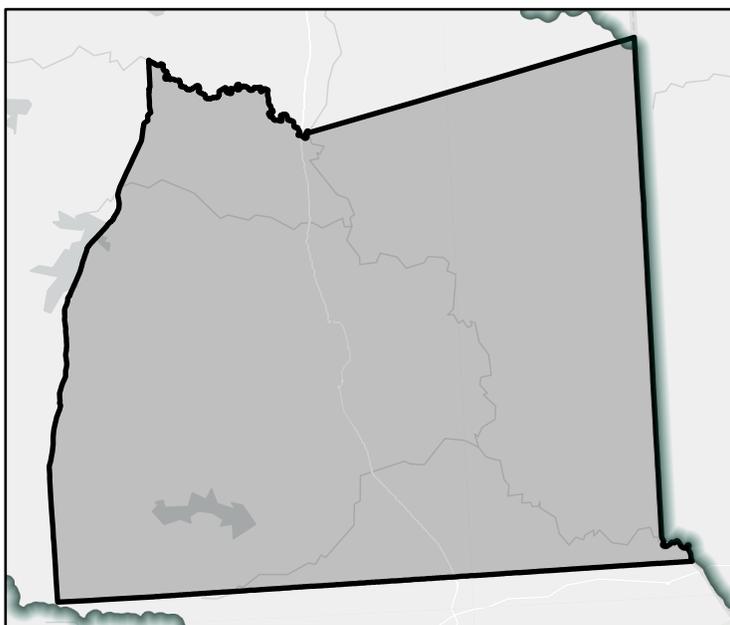
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

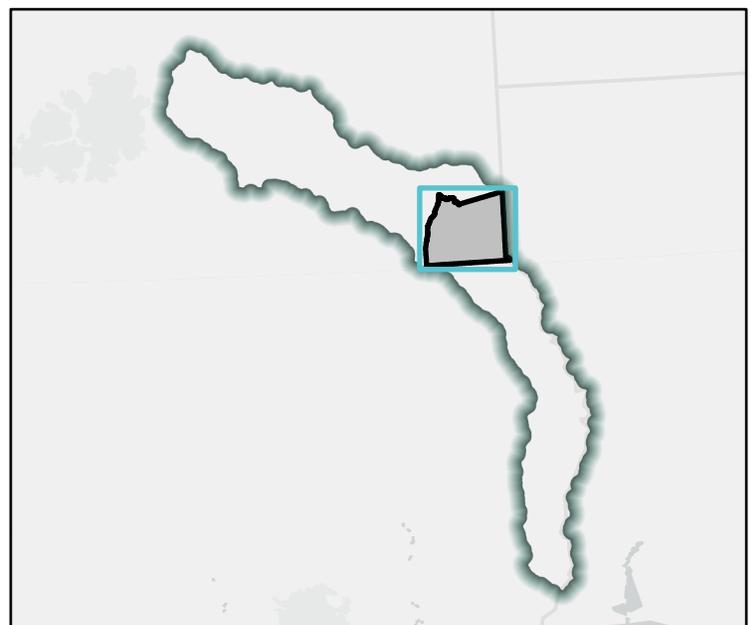
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Reason for Recommendation  Aligns with RFPG Goals

## Study Details

Study type  County

Study description

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

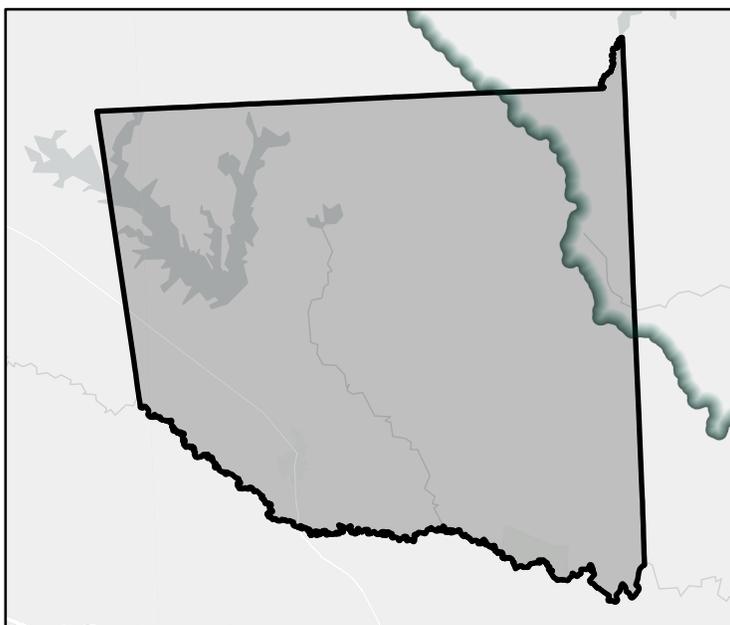
Goal(s)

## 100-Year Flood Risk Summary

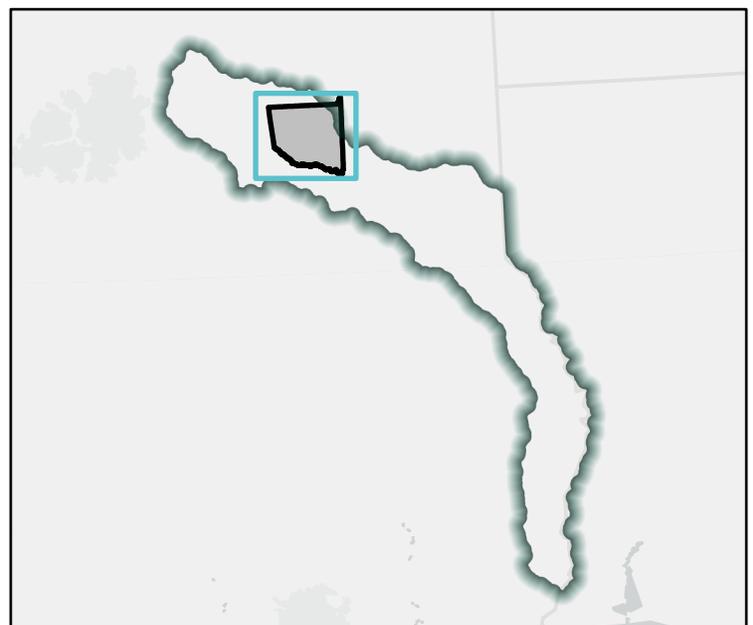
Population at risk	<input type="text" value="1,773"/>	# of structures	<input type="text" value="1,546"/>	# of critical facilities	<input type="text" value="7"/>
Flood risk type: Riverine?	<input checked="" type="checkbox"/>	Coastal?	<input type="checkbox"/> No	Local Flooding?	<input type="checkbox"/> No
Other?	<input type="checkbox"/> No	Farm/Ranch land impacted (ac.)	<input type="text" value="18,534"/>	Roadways impacted (miles)	<input type="text" value="105"/>
# of low water crossings	<input type="text" value="1"/>	# of historical road closures	<input type="text" value="1"/>		

## Estimated Cost and Funding Availability

Total Cost	<input type="text" value="\$3,200,000"/>	Potential federal funding availability?	<input checked="" type="checkbox"/> Yes	Potential Federal Funding Sources	<input type="text" value="0"/>
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title Hopkins County Flood Hazard Mapping

ID# 041000019 Sponsor

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

## Study Details

Study type Watershed Planning County Wood,Hopkins,Franklin

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? No Drainage area (sq. mi., est.) 791

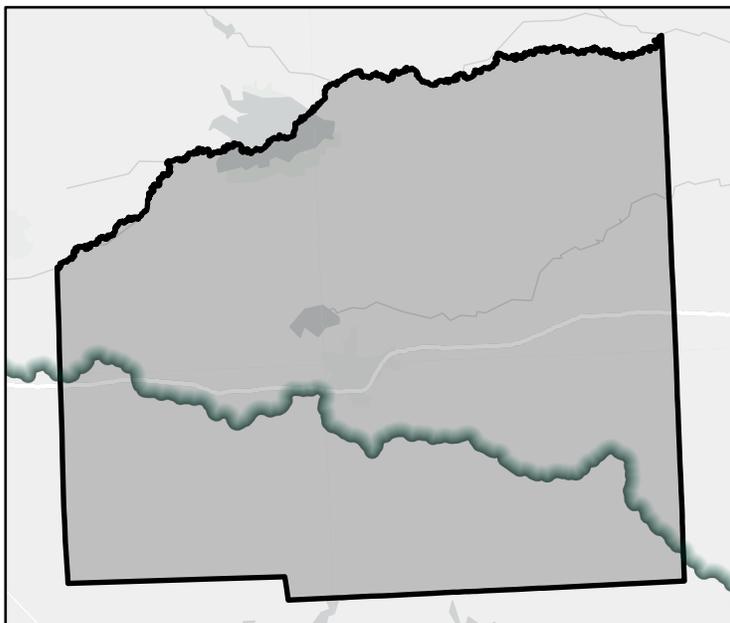
Goal(s)

## 100-Year Flood Risk Summary

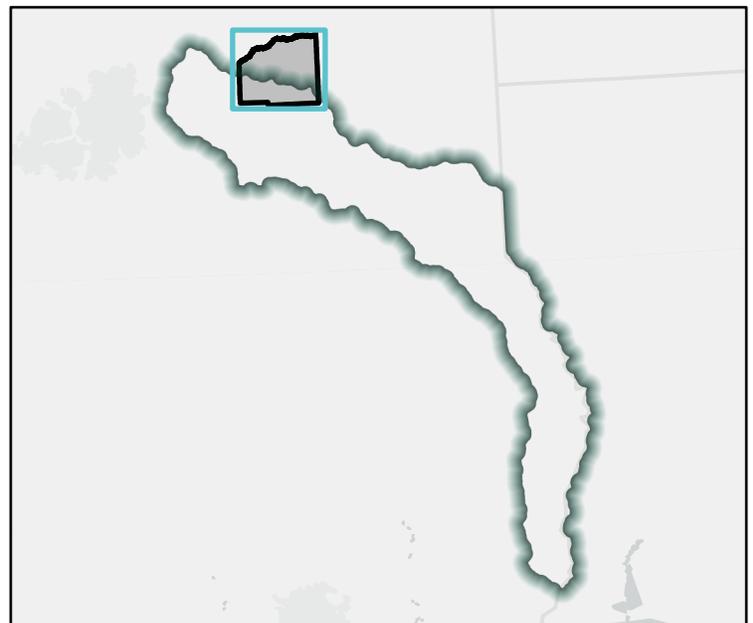
Population at risk	92	# of structures	156	# of critical facilities	0		
Flood risk type: Riverine?	Yes	Coastal?	No	Local Flooding?	No	Other?	No
Farm/Ranch land impacted (ac.)	13,195	Roadways impacted (miles)	48				
# of low water crossings	5	# of historical road closures	5				

## Estimated Cost and Funding Availability

Total Cost	\$1,550,000	Potential federal funding availability?	Yes	Potential Federal Funding Sources	0
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Reason for Recommendation  Aligns with RFPG Goals

## Study Details

Study type  County

Study description

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

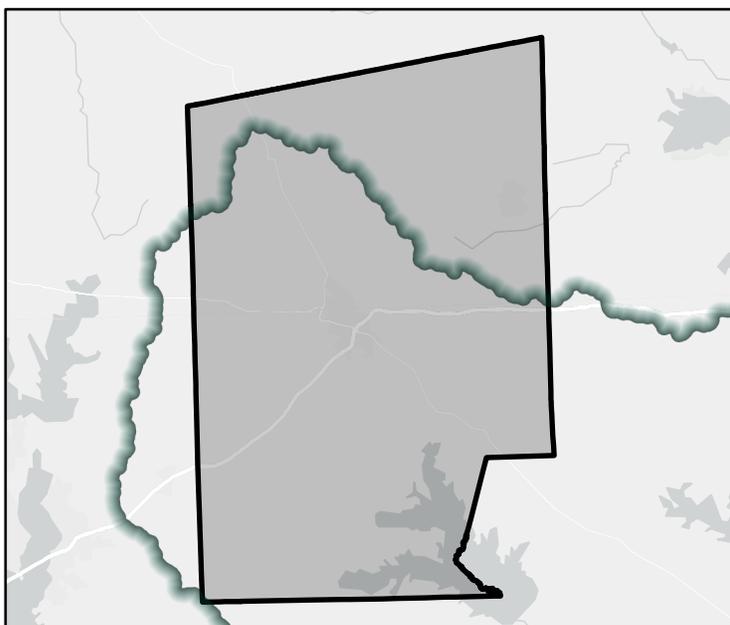
Goal(s)

## 100-Year Flood Risk Summary

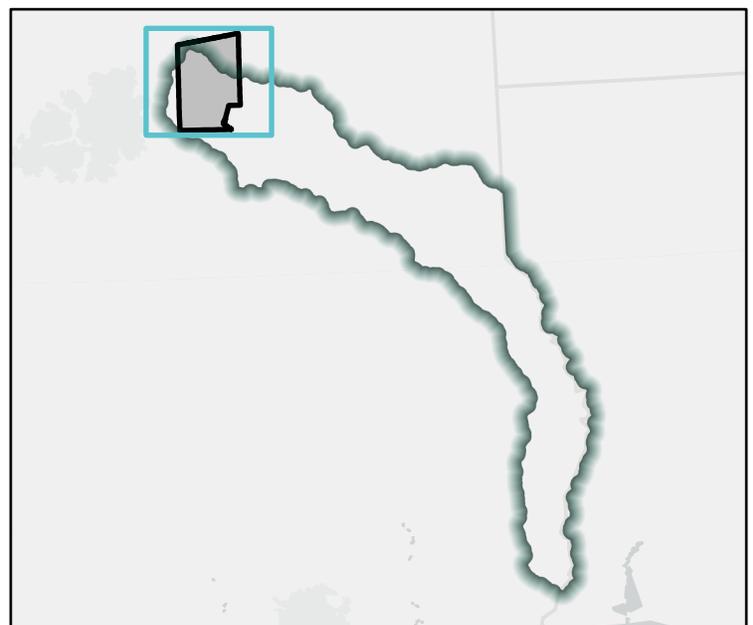
Population at risk	<input type="text" value="5,968"/>	# of structures	<input type="text" value="2,297"/>	# of critical facilities	<input type="text" value="45"/>		
Flood risk type: Riverine?	<input checked="" type="checkbox"/>	Coastal?	<input type="checkbox"/> No	Local Flooding?	<input type="checkbox"/> No	Other?	<input type="checkbox"/> No
Farm/Ranch land impacted (ac.)	<input type="text" value="6"/>	Roadways impacted (miles)	<input type="text" value="137"/>				
# of low water crossings	<input type="text" value="10"/>	# of historical road closures	<input type="text" value="10"/>				

## Estimated Cost and Funding Availability

Total Cost	<input type="text" value="\$4,000,000"/>	Potential federal funding availability?	<input checked="" type="checkbox"/> Yes	Potential Federal Funding Sources	<input type="text" value="0"/>
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Reason for Recommendation

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

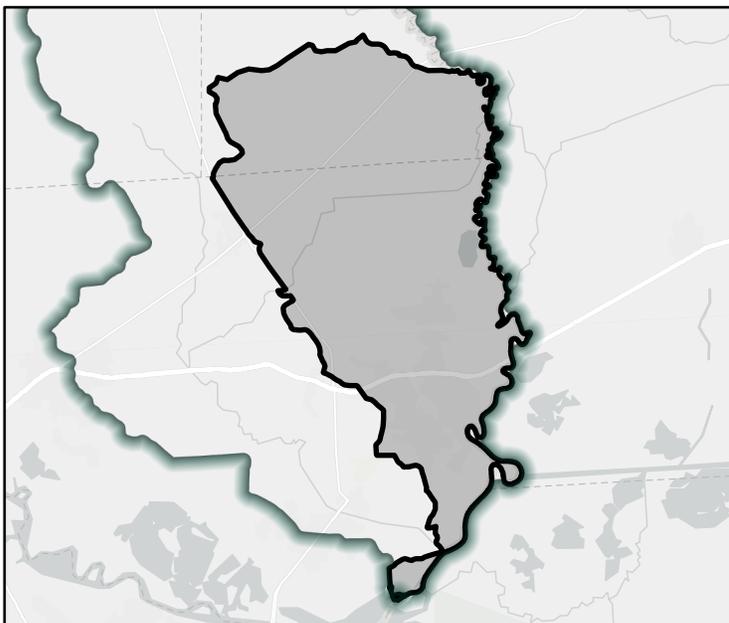
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

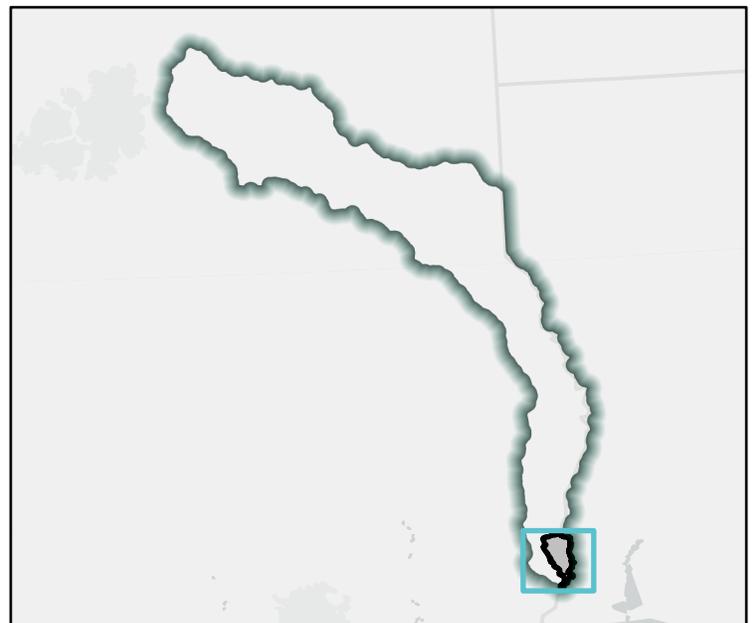
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

Total Cost  Potential federal funding availability?  Potential Federal Funding Sources



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Yes Reason for Recommendation

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

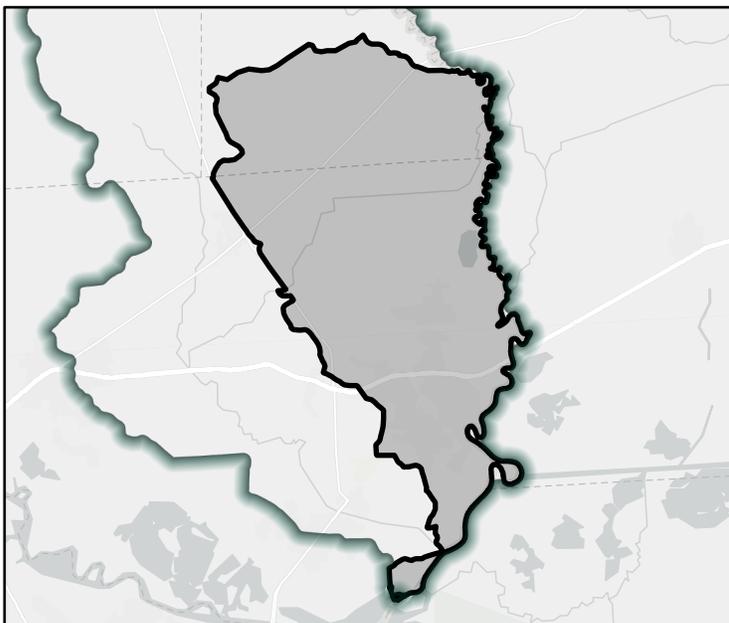
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  No Other?  No

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

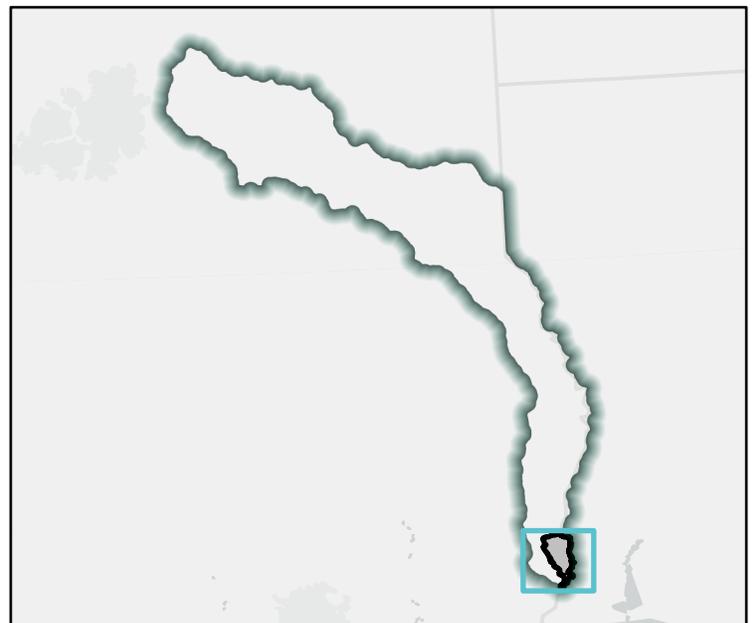
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title Feasibility Assessment and Conceptual Design of Increasing the Size of Culverts and Railroad Trestles on Major Drainage Structures

ID# 041000046 Sponsor

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

## Study Details

Study type Project Planning County Orange

Study description H&H Study and Modeling for Determination of Need and Feasibility Assessment for Increase in Size of Culverts and Railroad Trestles on Major Drainage Structures Throughout Orange County

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 371

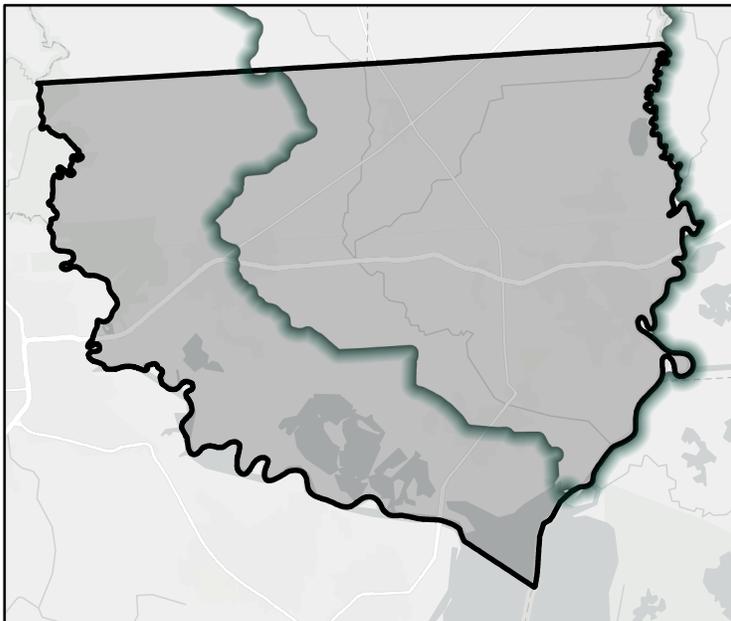
Goal(s)

## 100-Year Flood Risk Summary

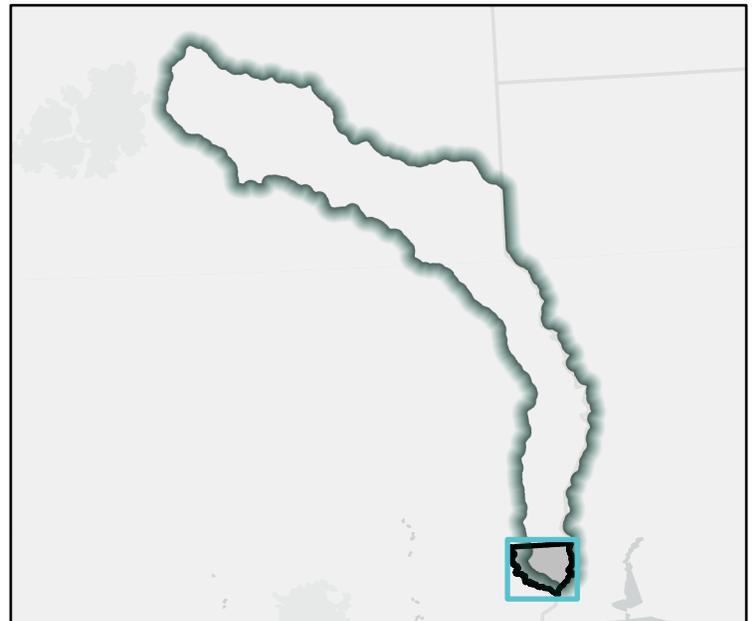
Population at risk	26,881	# of structures	16,974	# of critical facilities	276		
Flood risk type: Riverine?	Yes	Coastal?	Yes	Local Flooding?	No	Other?	No
Farm/Ranch land impacted (ac.)	17,171	Roadways impacted (miles)	364				
# of low water crossings	22	# of historical road closures	22				

## Estimated Cost and Funding Availability

Total Cost	\$500,000	Potential federal funding availability?	Yes	Potential Federal Funding Sources	0
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Yes Reason for Recommendation

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

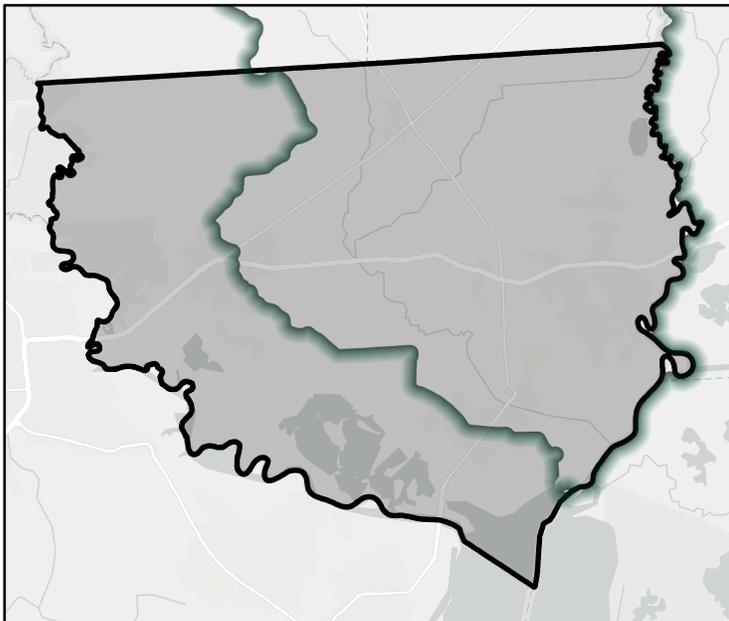
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  No Other?  No

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

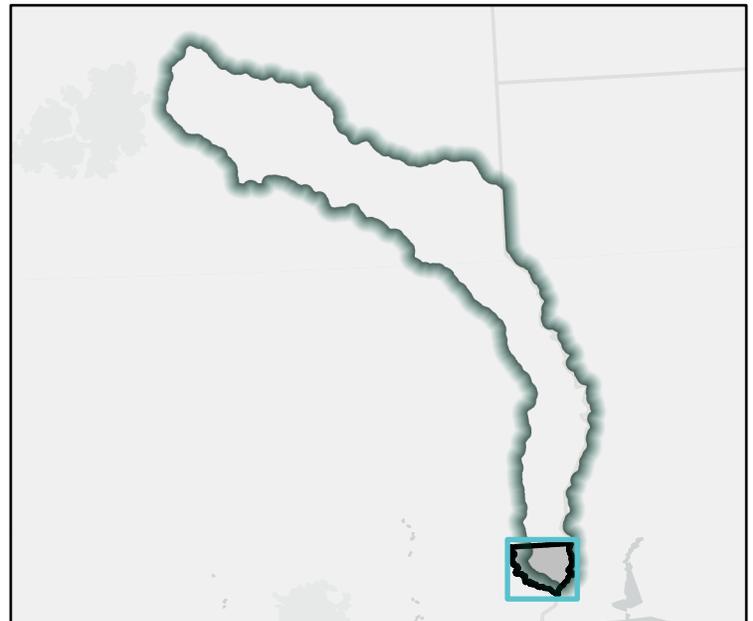
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Reason for Recommendation  Aligns with RFPG Goals

## Study Details

Study type  County

Study description

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

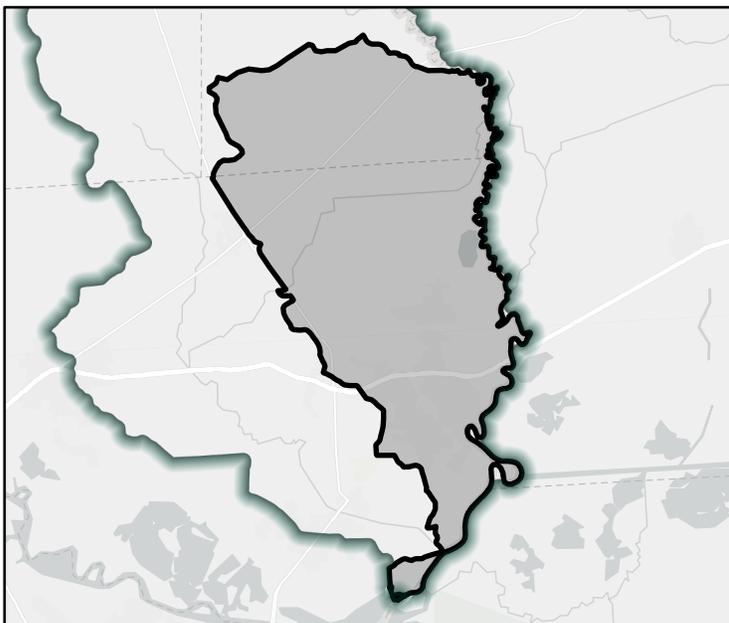
Goal(s)

## 100-Year Flood Risk Summary

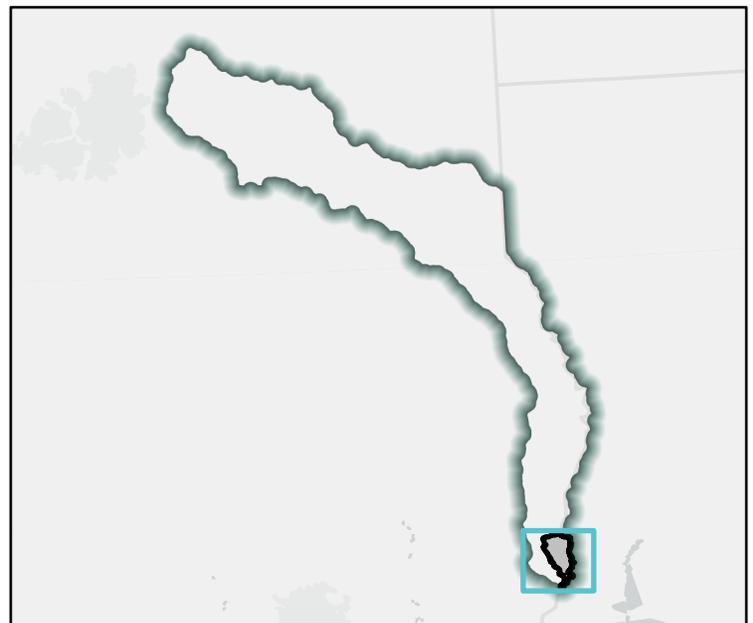
Population at risk	<input type="text" value="18,428"/>	# of structures	<input type="text" value="10,571"/>	# of critical facilities	<input type="text" value="306"/>
Flood risk type: Riverine?	<input checked="" type="checkbox"/> Yes	Coastal?	<input checked="" type="checkbox"/> Yes	Local Flooding?	<input type="checkbox"/> No
		Other?	<input type="checkbox"/> No		
Farm/Ranch land impacted (ac.)	<input type="text" value="9,260"/>	Roadways impacted (miles)	<input type="text" value="240"/>		
# of low water crossings	<input type="text" value="15"/>	# of historical road closures	<input type="text" value="15"/>		

## Estimated Cost and Funding Availability

Total Cost	<input type="text" value="\$600,000"/>	Potential federal funding availability?	<input checked="" type="checkbox"/> Yes	Potential Federal Funding Sources	<input type="text" value="0"/>
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Reason for Recommendation  Aligns with RFPG Goals

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

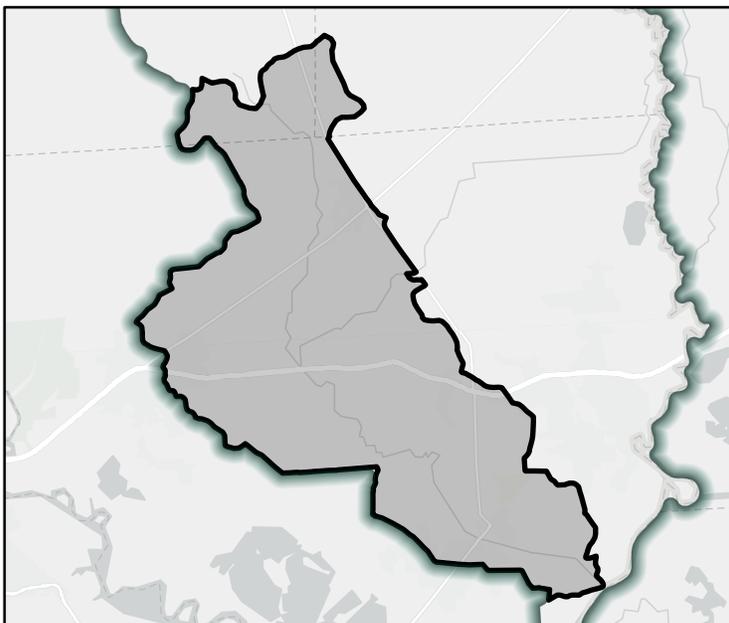
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

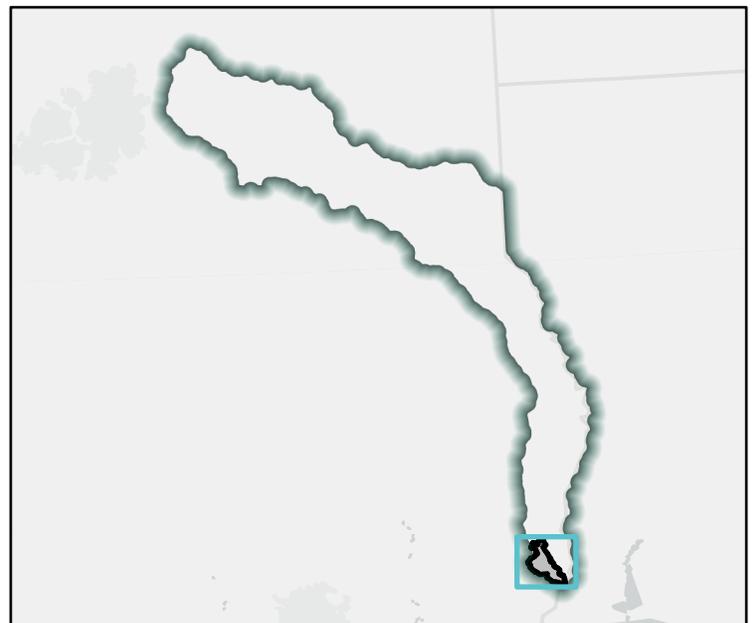
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

Total Cost  Potential federal funding availability?  Potential Federal Funding Sources



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Reason for Recommendation  Aligns with RFPG Goals

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

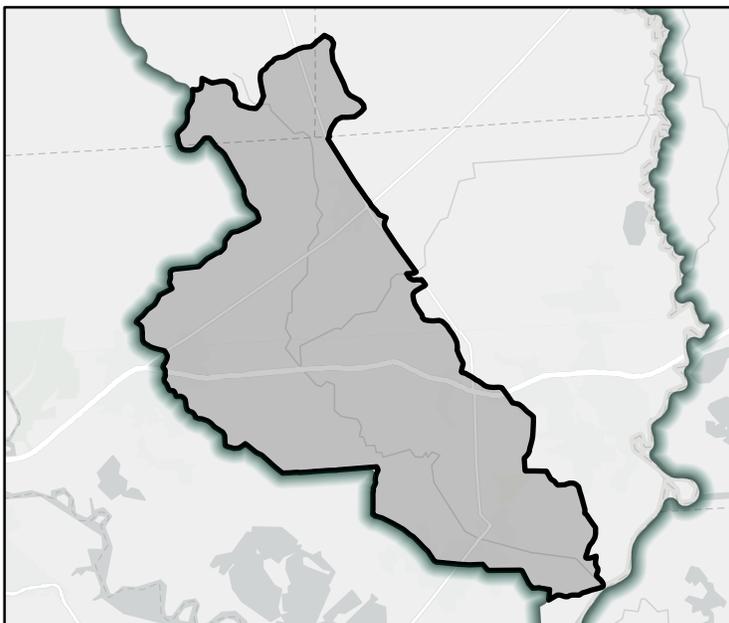
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

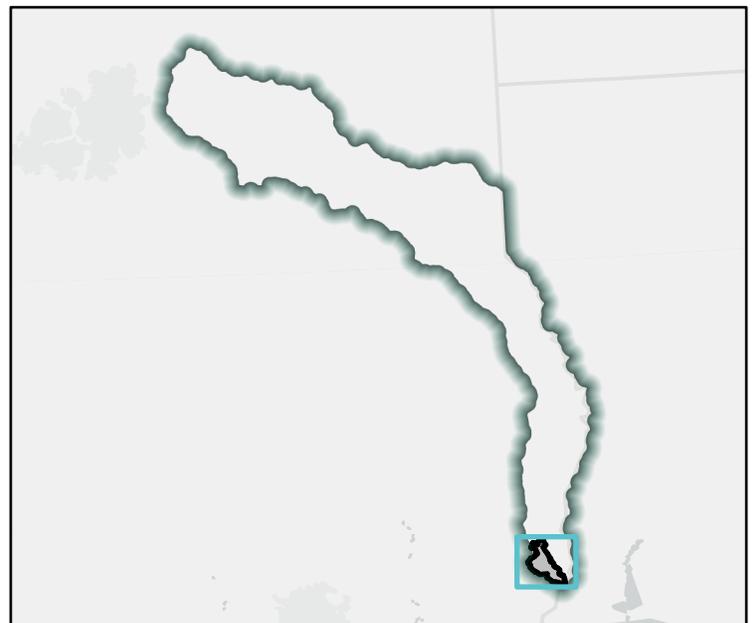
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

Total Cost  Potential federal funding availability?  Potential Federal Funding Sources



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title Terry Bayou Detention Ponds Study

ID# 041000057 Sponsor

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

## Study Details

Study type Project Planning County Orange

Study description Flood Protection Planning Study Cow Bayou & Adams Bayou Alternative

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 40

Goal(s)

## 100-Year Flood Risk Summary

Population at risk 3,541 # of structures 2,444 # of critical facilities 0

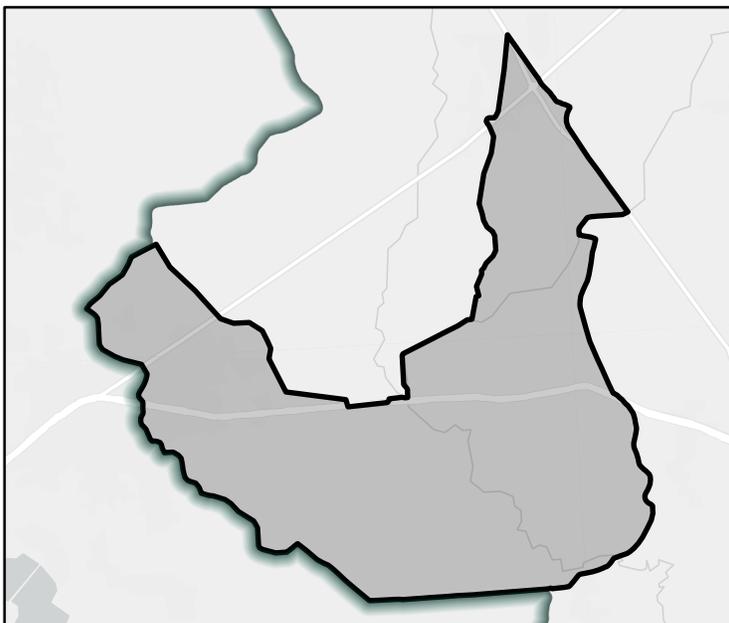
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 3,308 Roadways impacted (miles) 55

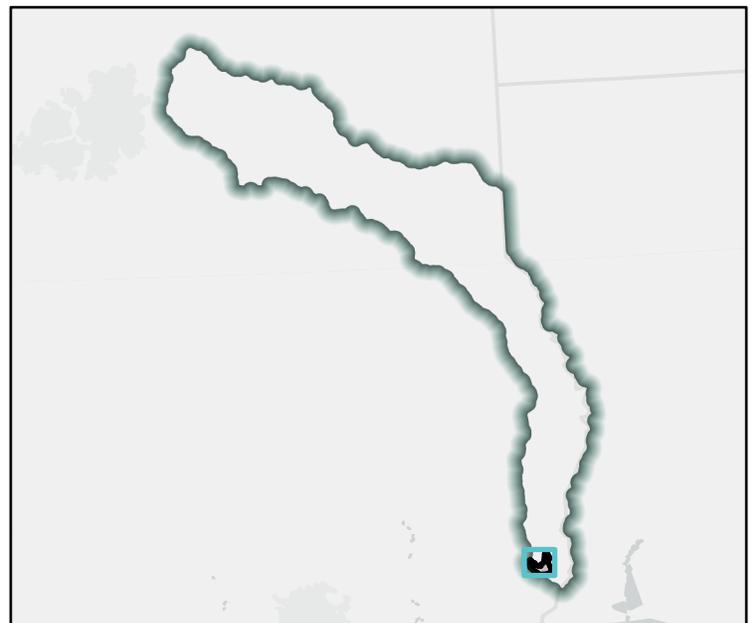
# of low water crossings 1 # of historical road closures 1

## Estimated Cost and Funding Availability

Total Cost \$600,000 Potential federal funding availability? Yes Potential Federal Funding Sources 0



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Reason for Recommendation

## Study Details

Study type  County

Study description

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

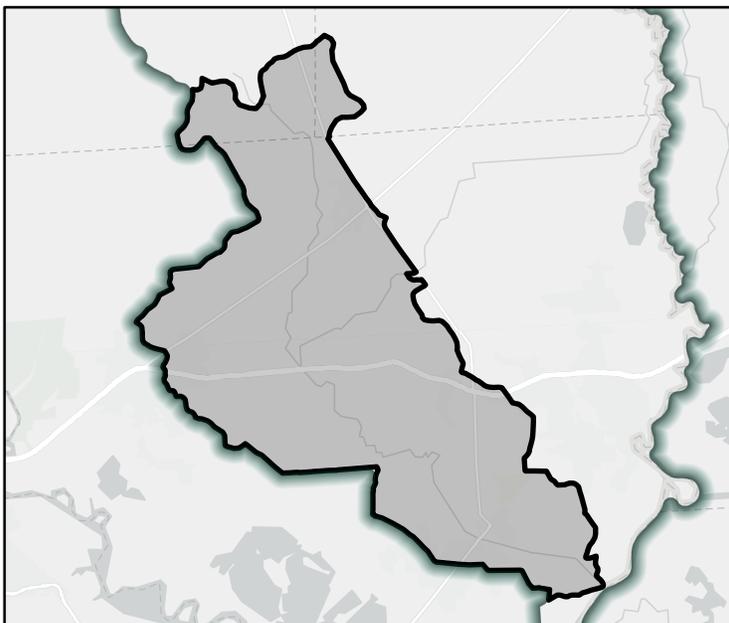
Goal(s)

## 100-Year Flood Risk Summary

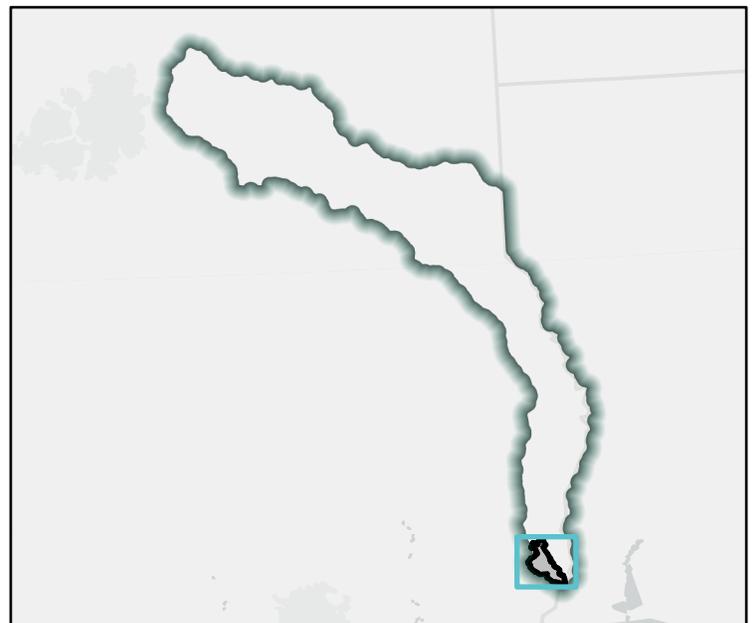
Population at risk	<input type="text" value="10,805"/>	# of structures	<input type="text" value="7,655"/>	# of critical facilities	<input type="text" value="7"/>
Flood risk type: Riverine?	<input checked="" type="checkbox"/>	Coastal?	<input checked="" type="checkbox"/>	Local Flooding?	<input type="checkbox"/> No
Other?	<input type="checkbox"/> No				
Farm/Ranch land impacted (ac.)	<input type="text" value="9,437"/>	Roadways impacted (miles)	<input type="text" value="156"/>		
# of low water crossings	<input type="text" value="7"/>	# of historical road closures	<input type="text" value="7"/>		

## Estimated Cost and Funding Availability

Total Cost	<input type="text" value="\$600,000"/>	Potential federal funding availability?	<input checked="" type="checkbox"/> Yes	Potential Federal Funding Sources	<input type="text" value="0"/>
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Reason for Recommendation

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

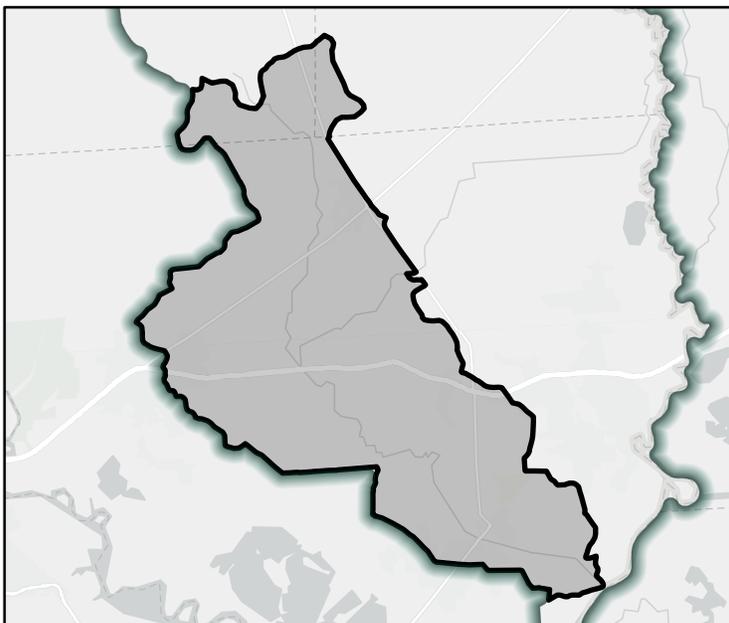
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

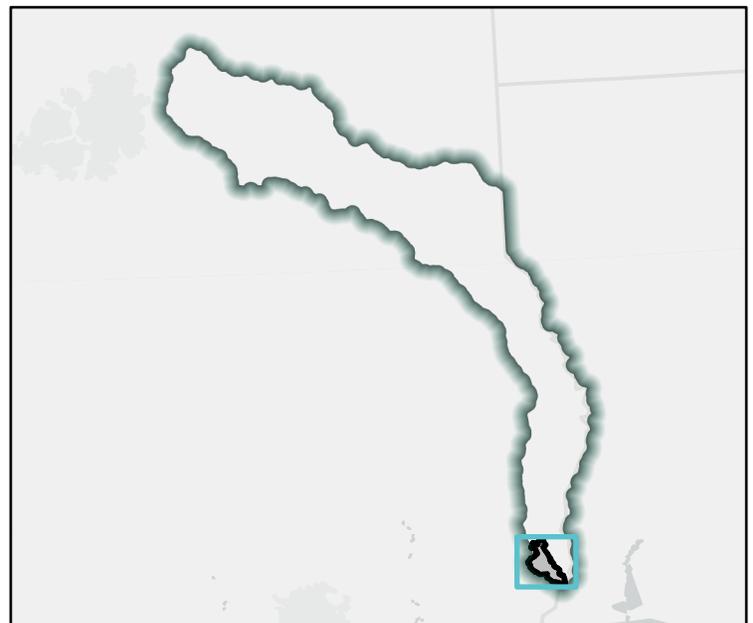
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

Total Cost  Potential federal funding availability?  Potential Federal Funding Sources



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

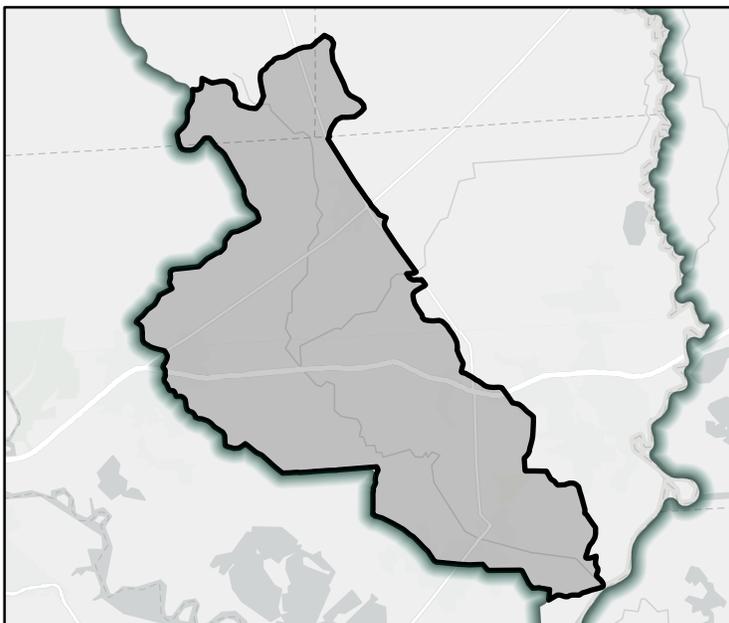
Flood risk type: Riverine?  Yes Coastal?  Yes Local Flooding?  No Other?  No

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

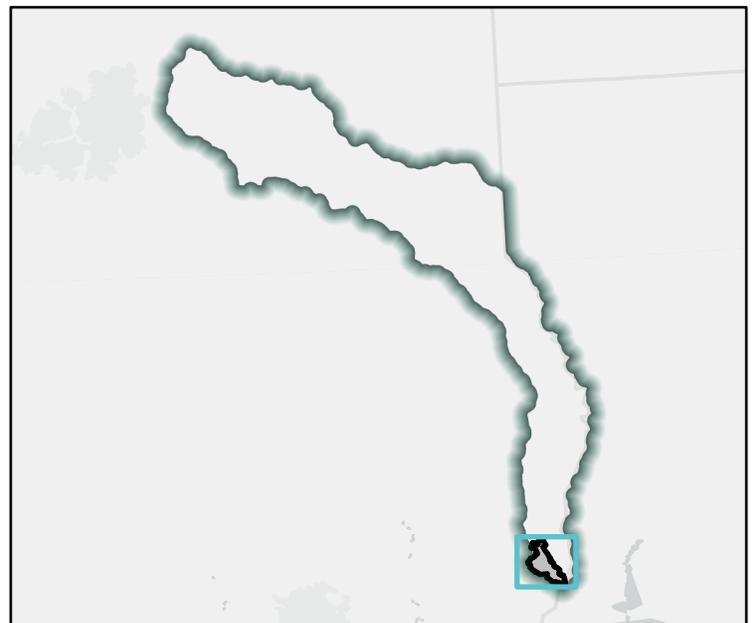
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Reason for Recommendation

## Study Details

Study type  County

Study description

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

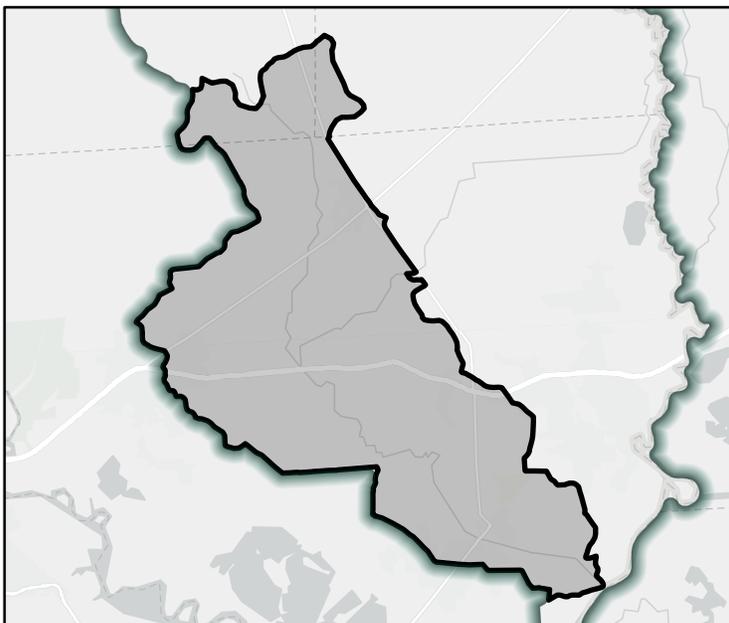
Goal(s)

## 100-Year Flood Risk Summary

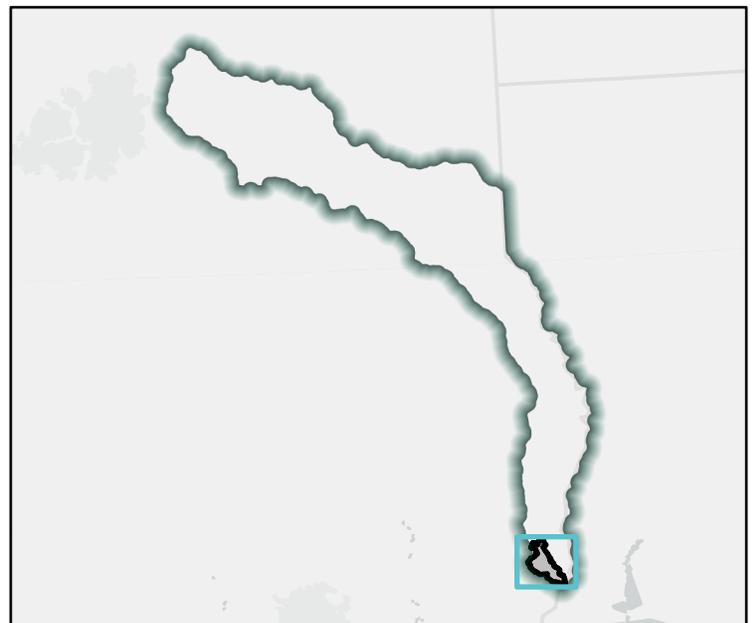
Population at risk	<input type="text" value="10,805"/>	# of structures	<input type="text" value="7,655"/>	# of critical facilities	<input type="text" value="7"/>
Flood risk type: Riverine?	<input checked="" type="checkbox"/>	Coastal?	<input checked="" type="checkbox"/>	Local Flooding?	<input type="checkbox"/> No
Other?	<input type="checkbox"/> No				
Farm/Ranch land impacted (ac.)	<input type="text" value="9,437"/>	Roadways impacted (miles)	<input type="text" value="156"/>		
# of low water crossings	<input type="text" value="7"/>	# of historical road closures	<input type="text" value="7"/>		

## Estimated Cost and Funding Availability

Total Cost	<input type="text" value="\$400,000"/>	Potential federal funding availability?	<input checked="" type="checkbox"/> Yes	Potential Federal Funding Sources	<input type="text" value="0"/>
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Reason for Recommendation

## Study Details

Study type  County

Study description

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

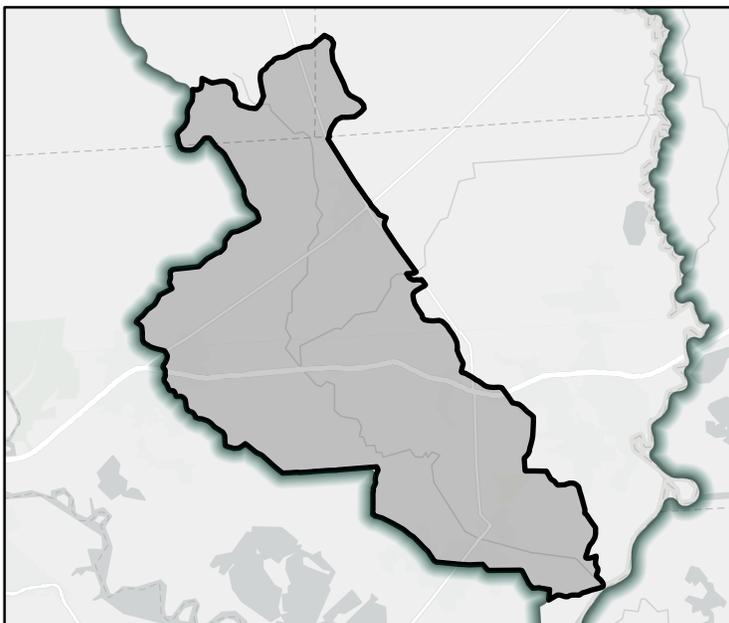
Goal(s)

## 100-Year Flood Risk Summary

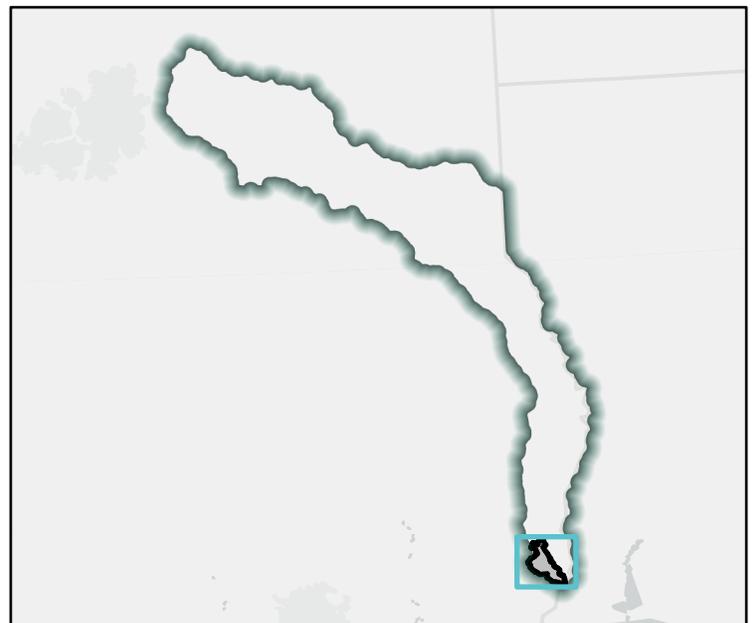
Population at risk	<input type="text" value="10,805"/>	# of structures	<input type="text" value="7,655"/>	# of critical facilities	<input type="text" value="7"/>
Flood risk type: Riverine?	<input checked="" type="checkbox"/>	Coastal?	<input checked="" type="checkbox"/>	Local Flooding?	<input type="checkbox"/> No
Other?	<input type="checkbox"/> No				
Farm/Ranch land impacted (ac.)	<input type="text" value="9,437"/>	Roadways impacted (miles)	<input type="text" value="156"/>		
# of low water crossings	<input type="text" value="7"/>	# of historical road closures	<input type="text" value="7"/>		

## Estimated Cost and Funding Availability

Total Cost	<input type="text" value="\$500,000"/>	Potential federal funding availability?	<input checked="" type="checkbox"/> Yes	Potential Federal Funding Sources	<input type="text" value="0"/>
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

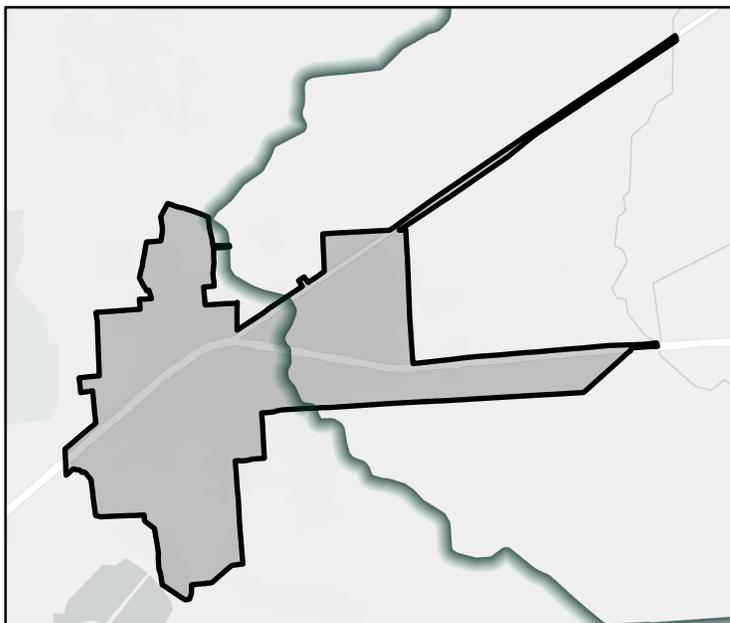
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Yes  No Reason for Recommendation  Aligns with RFPG Goals

## Study Details

Study type  County

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Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

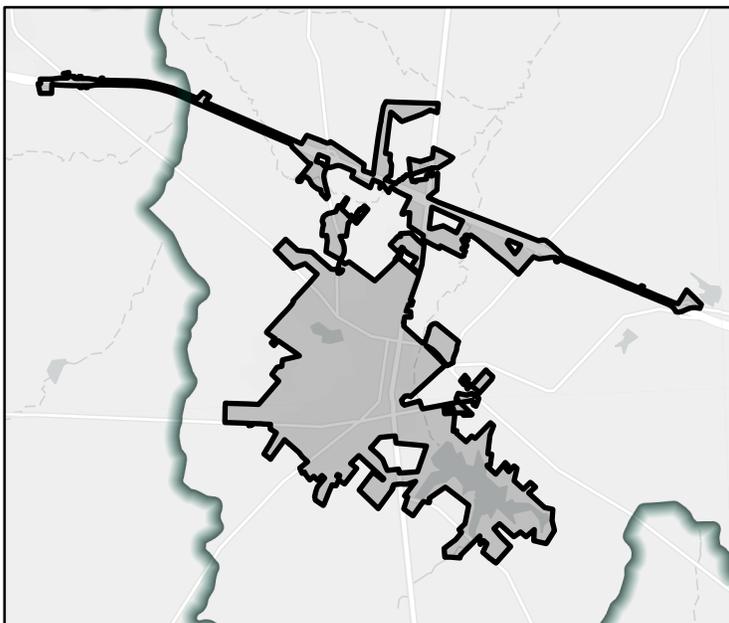
Flood risk type: Riverine?  Yes  No Coastal?  No  Yes Local Flooding?  No  Yes Other?  No  Yes

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

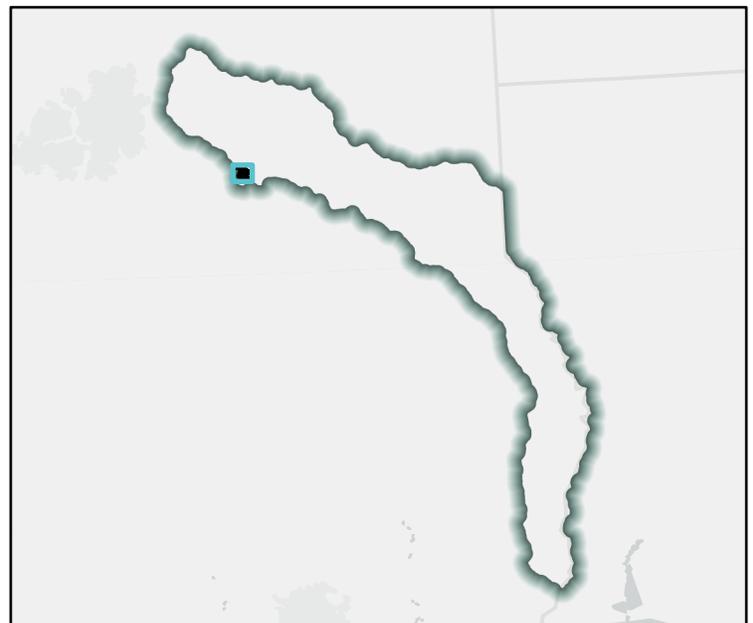
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Total Cost  Potential federal funding availability?  Yes  No Potential Federal Funding Sources



FME Area



Regional view of FME area

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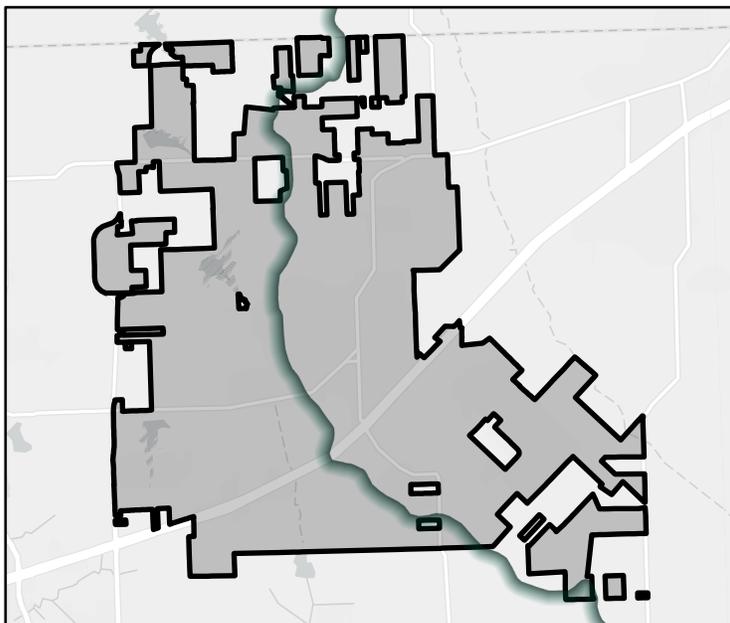
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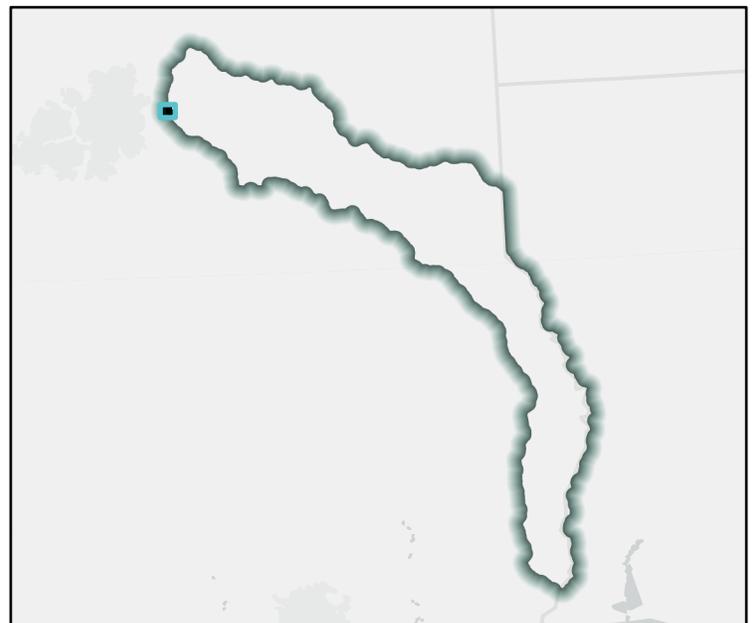
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Total Cost  Potential federal funding availability?  Yes Potential Federal Funding Sources



FME Area



Regional view of FME area

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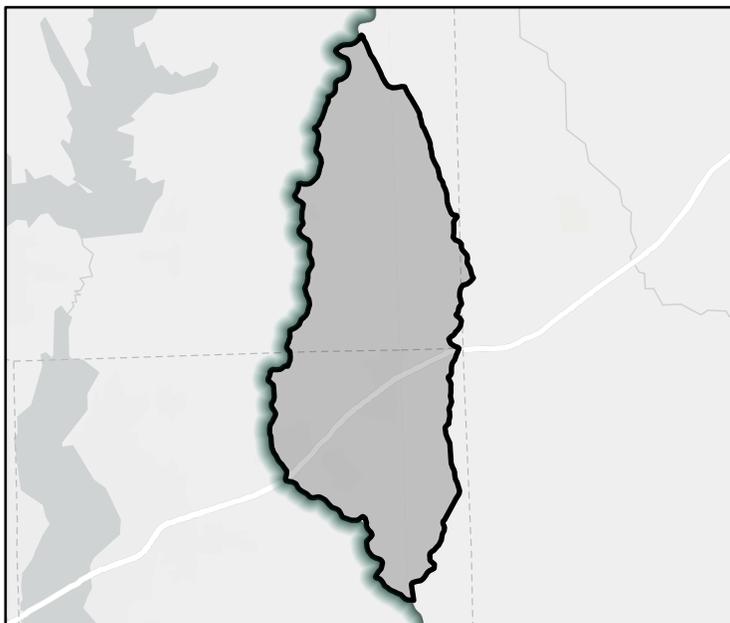
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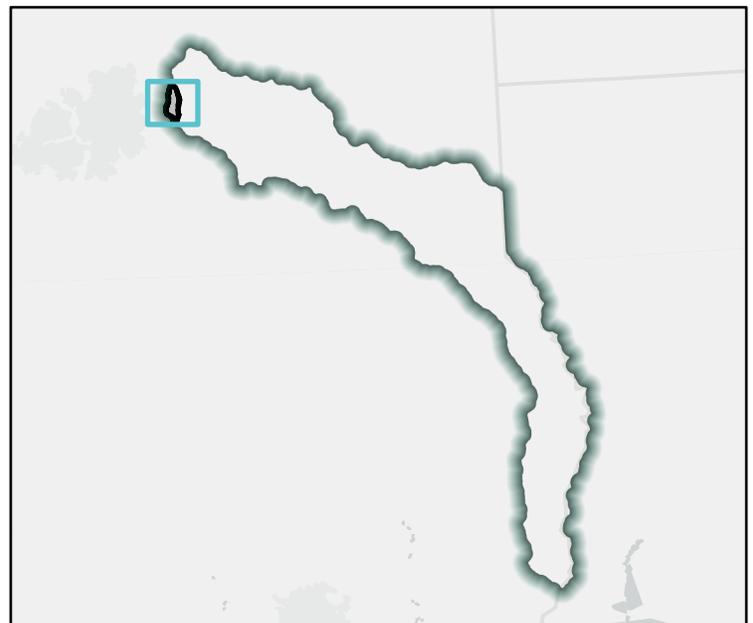
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Regional view of FME area

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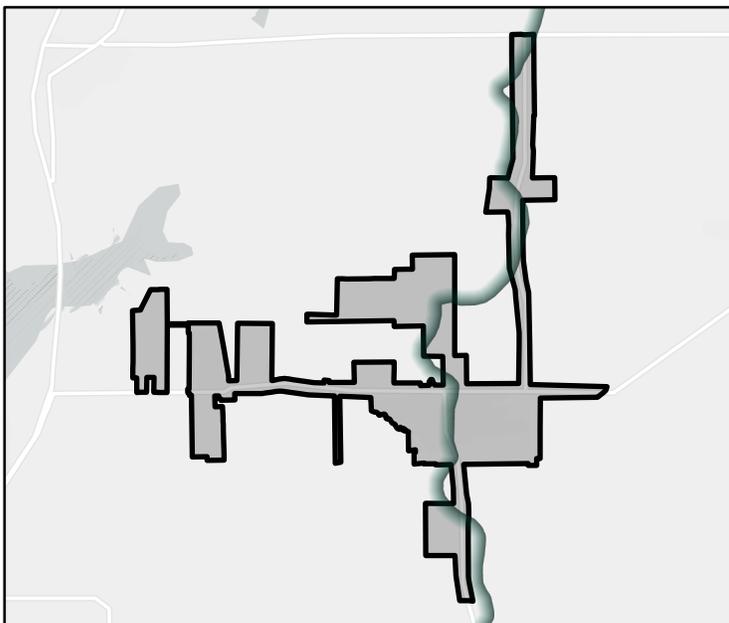
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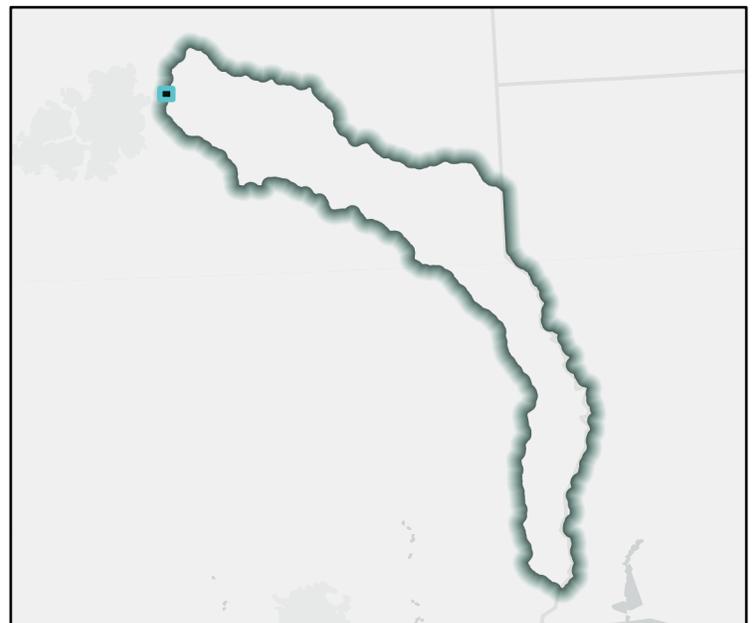
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FME Area



Regional view of FME area

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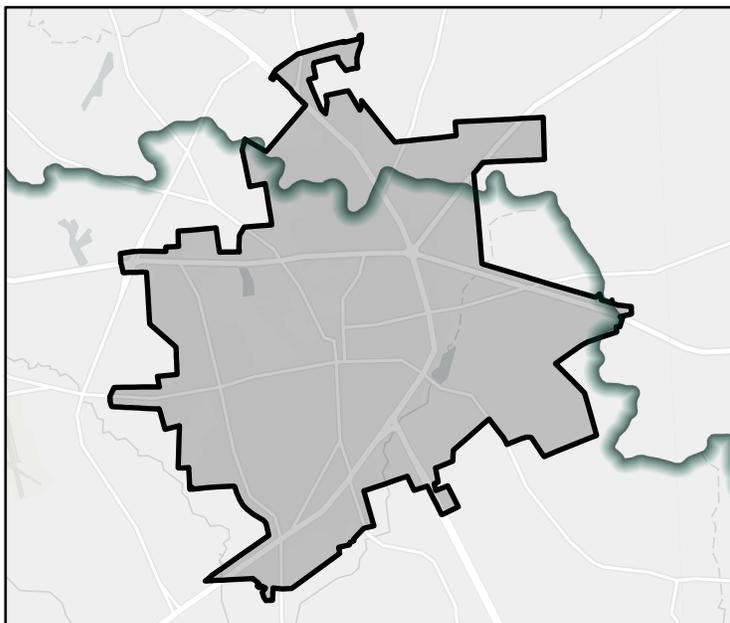
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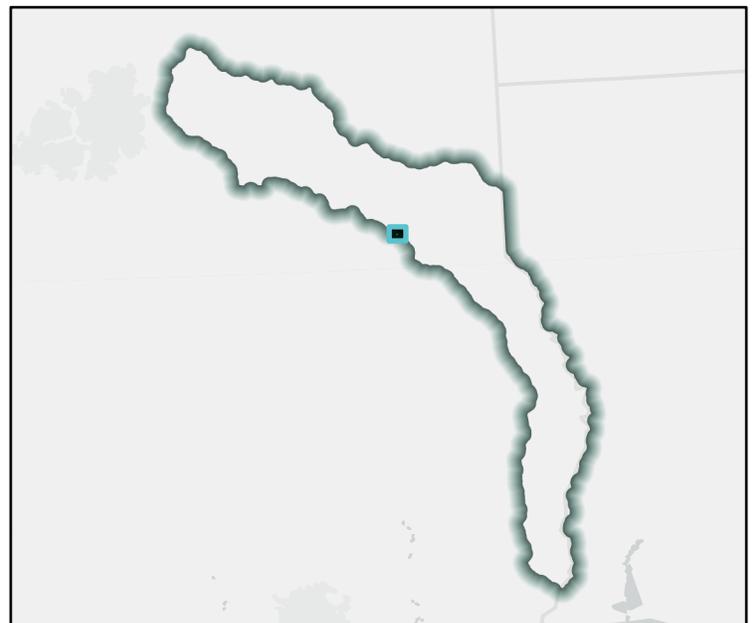
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FME Area



Regional view of FME area

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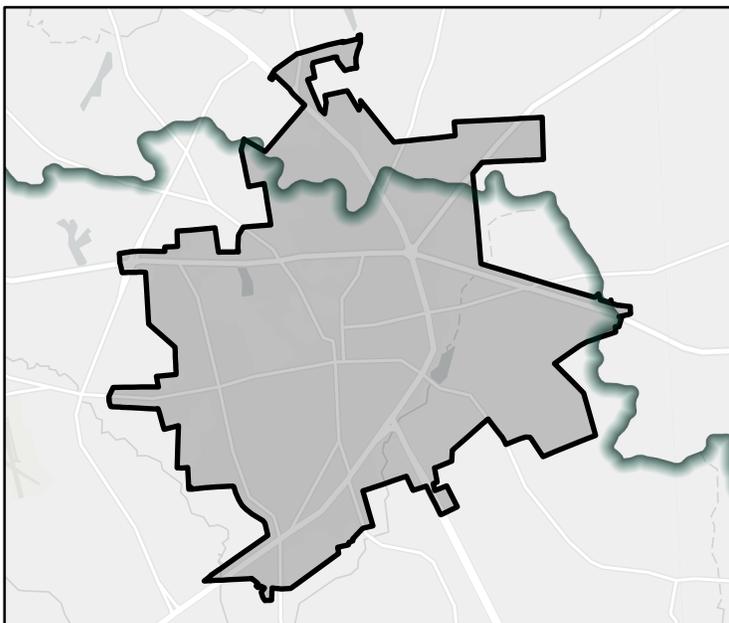
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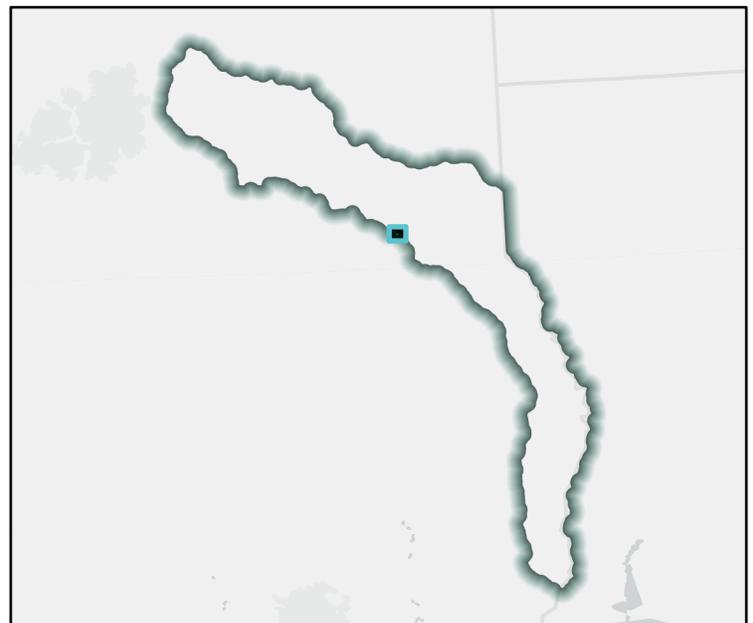
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FME Area



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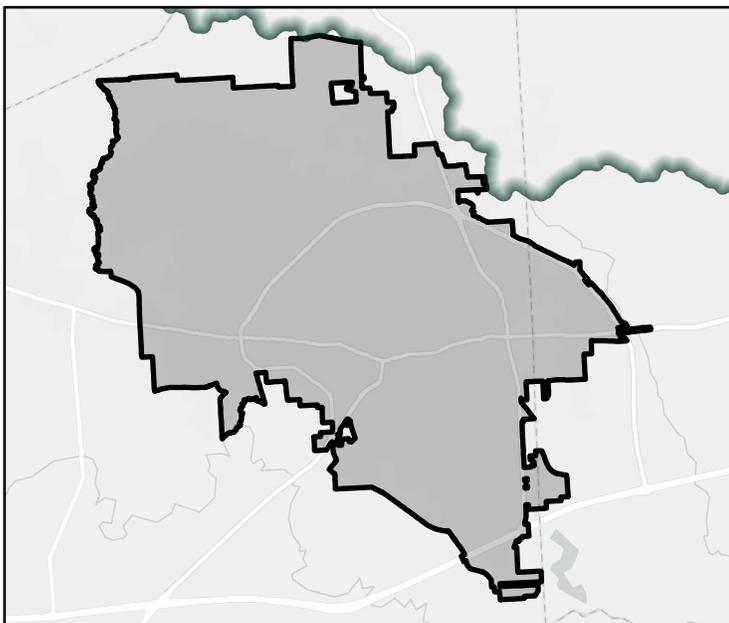
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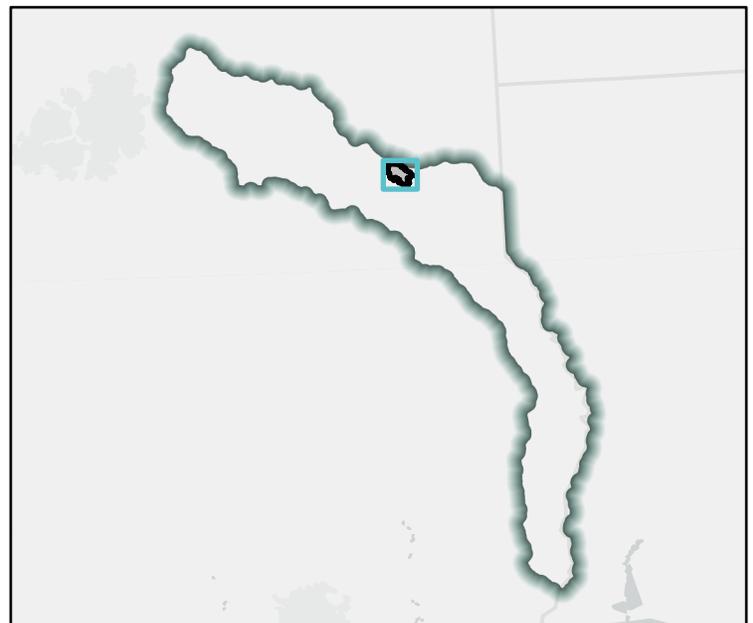
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FME Area



Regional view of FME area

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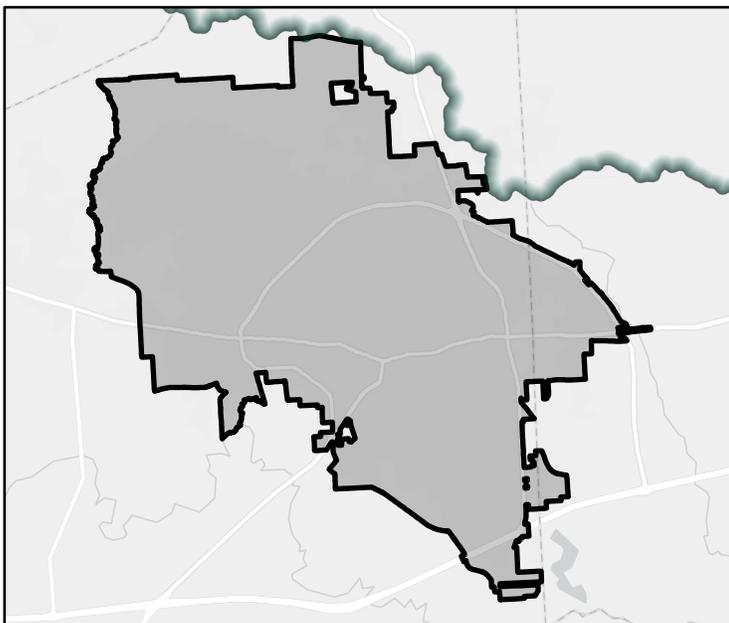
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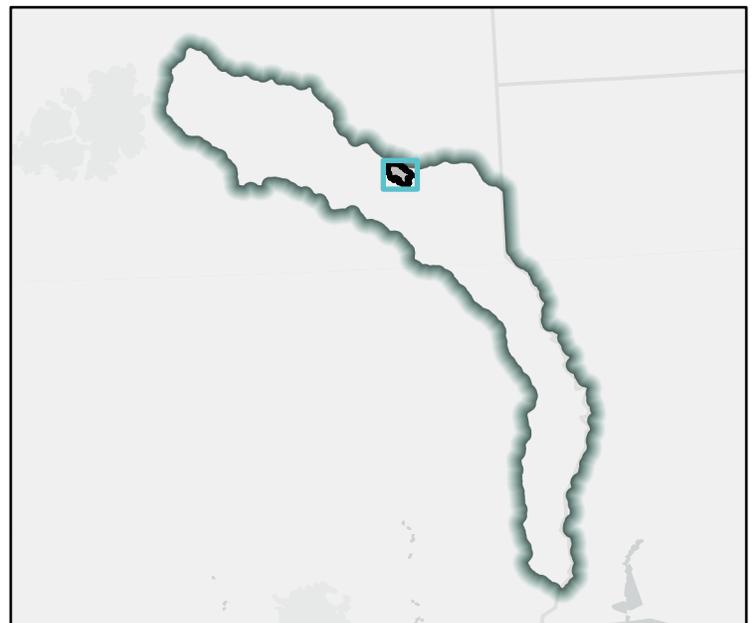
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FME Area



Regional view of FME area

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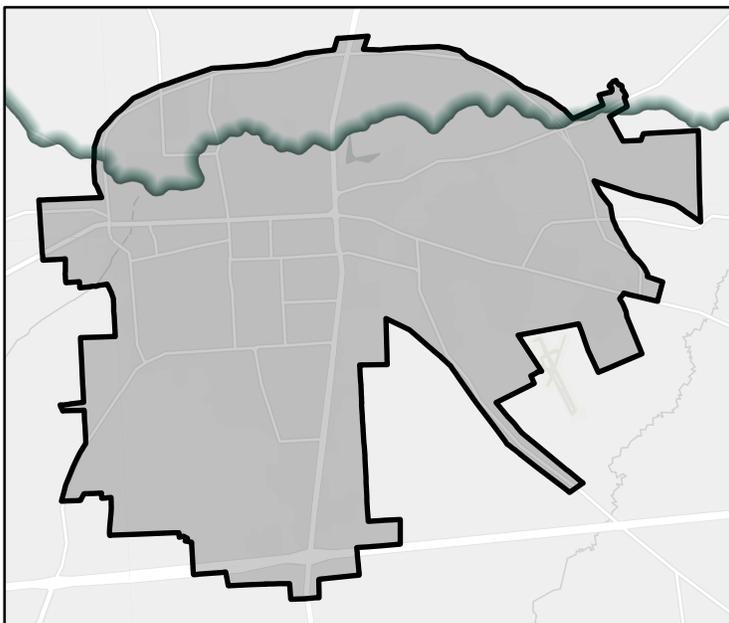
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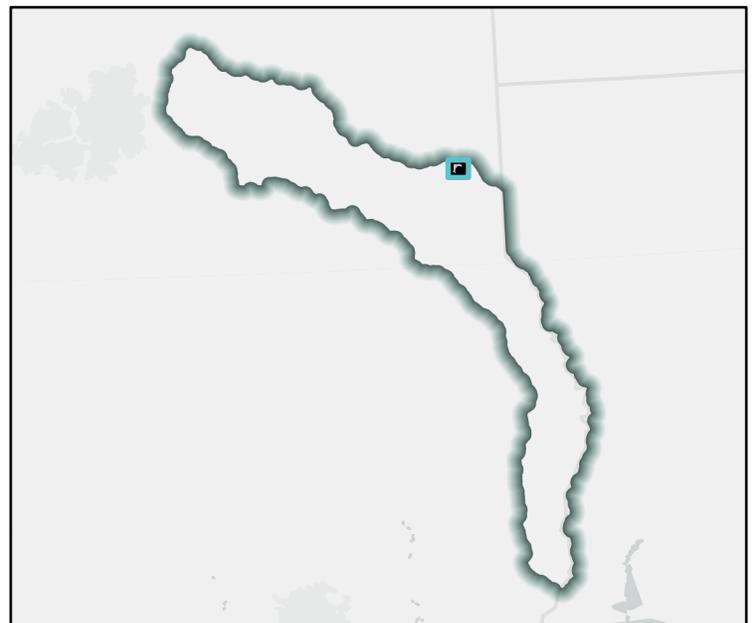
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FME Area



Regional view of FME area

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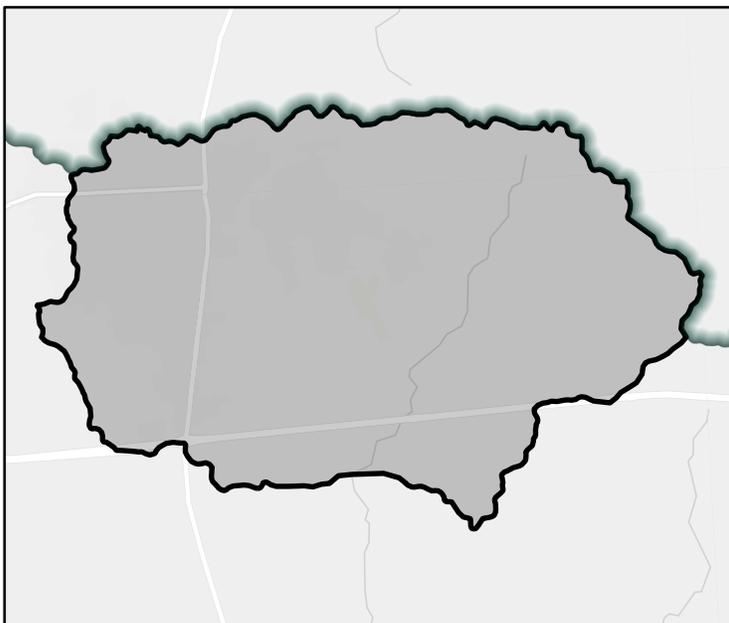
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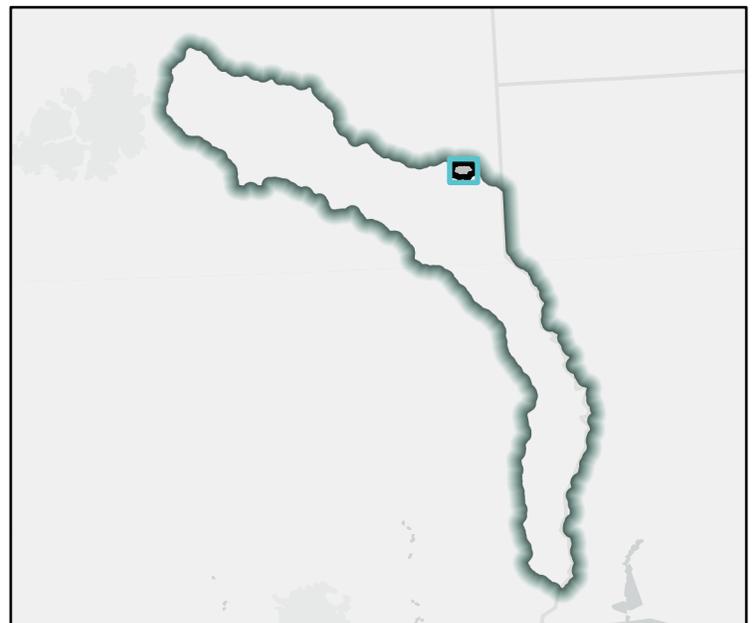
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Total Cost  Potential federal funding availability?  Yes Potential Federal Funding Sources



FME Area



Regional view of FME area

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REGION 4



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Study type  County

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Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

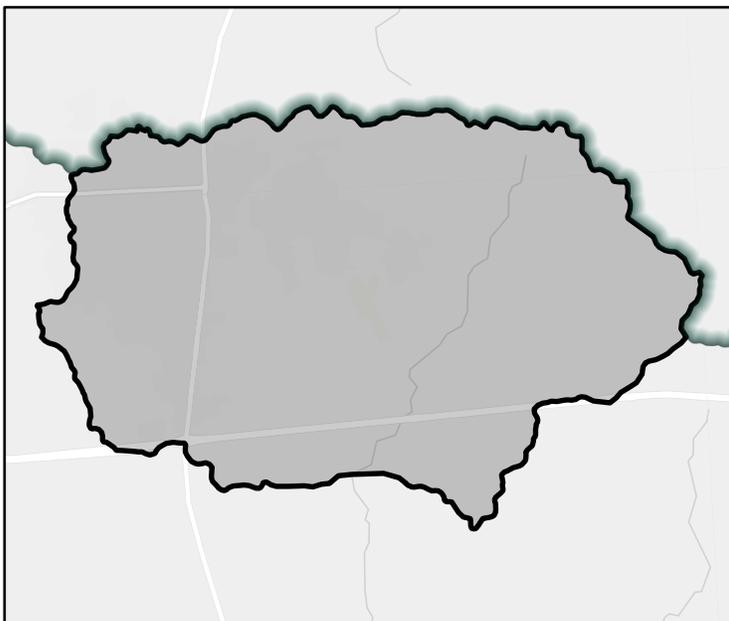
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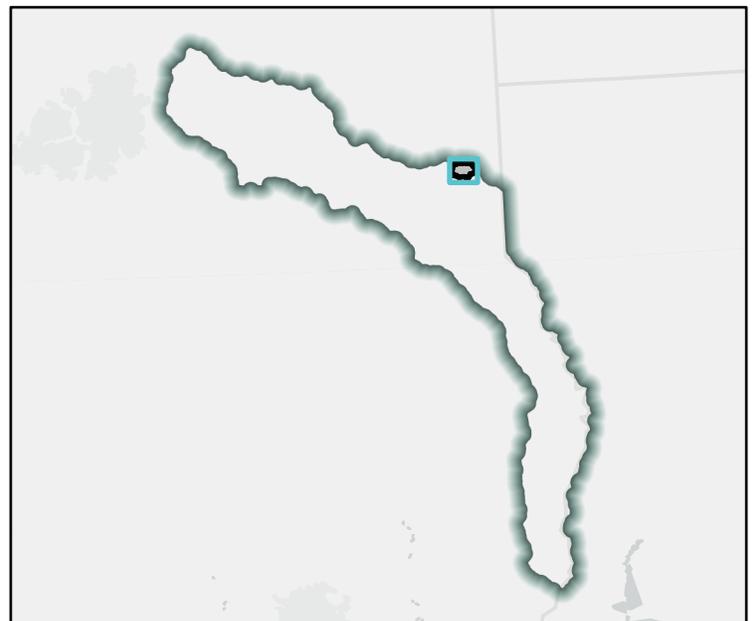
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FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

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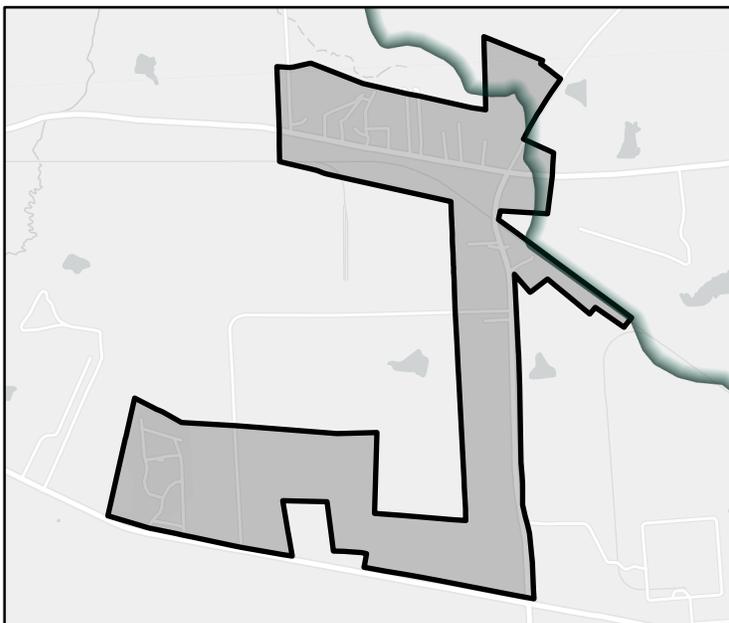
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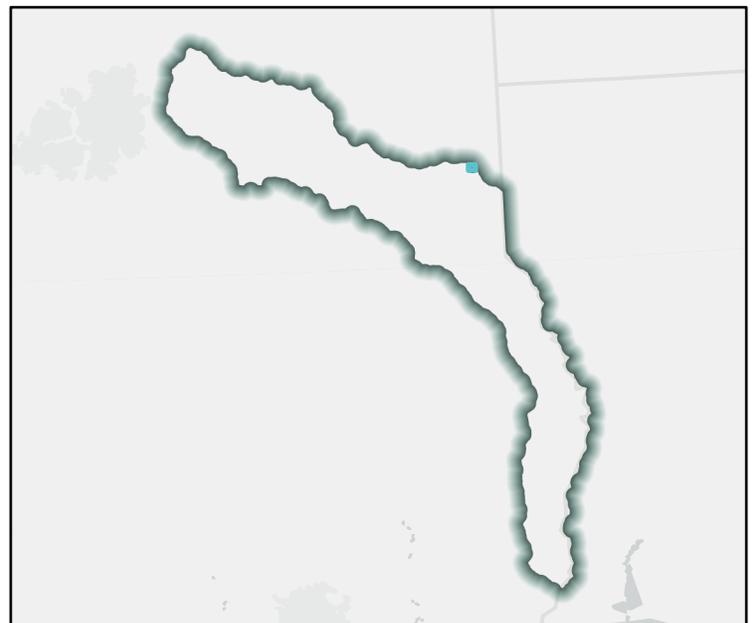
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FME Area



Regional view of FME area

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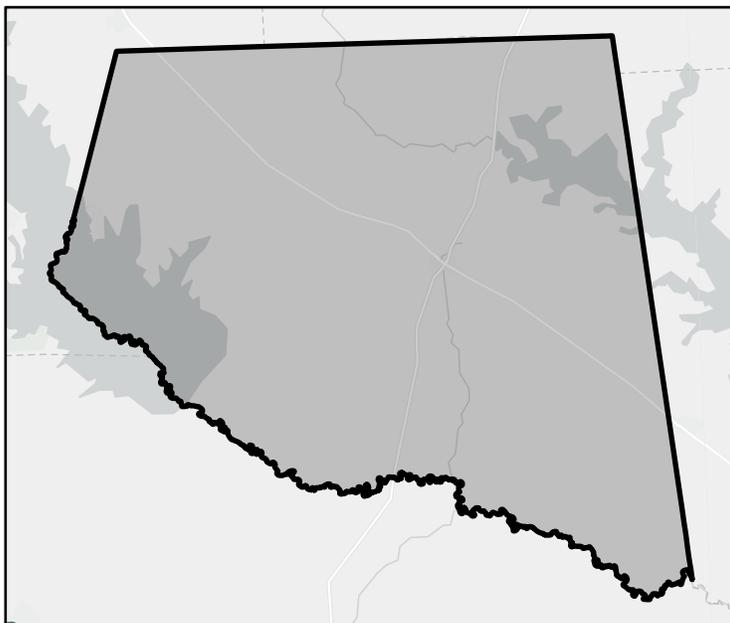
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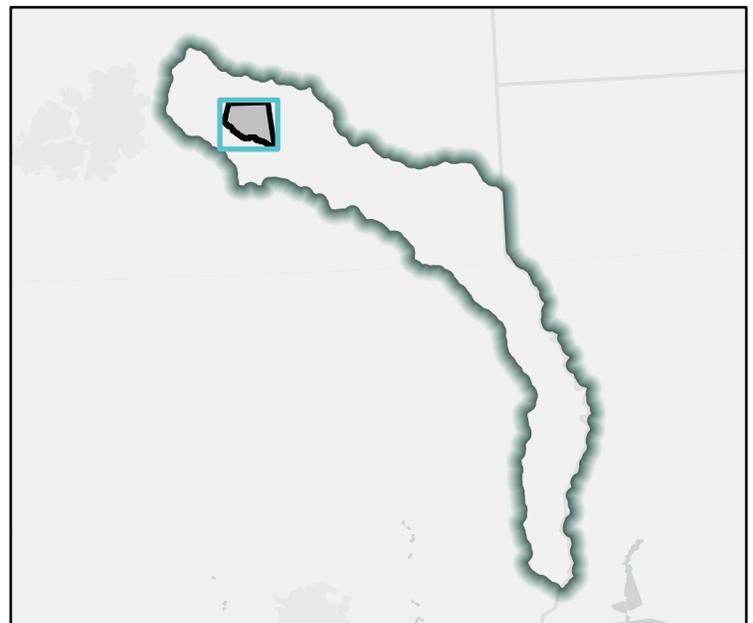
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FME Area



Regional view of FME area

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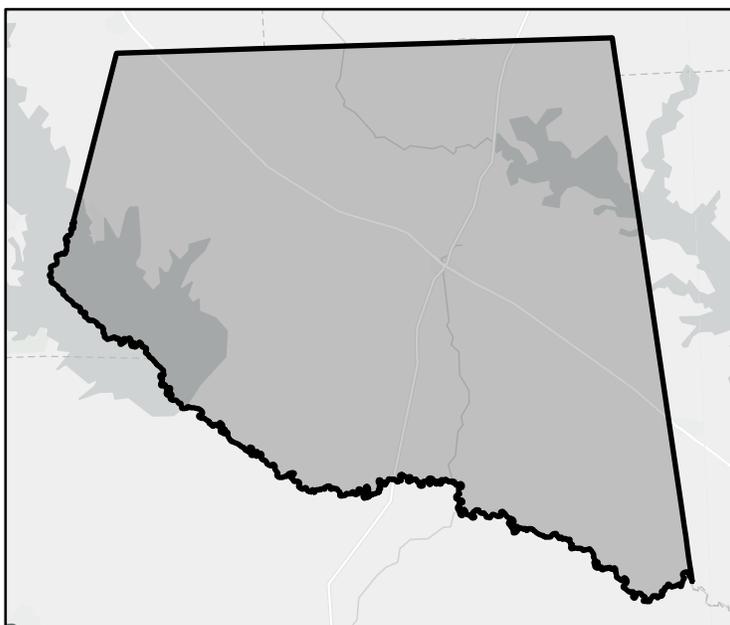
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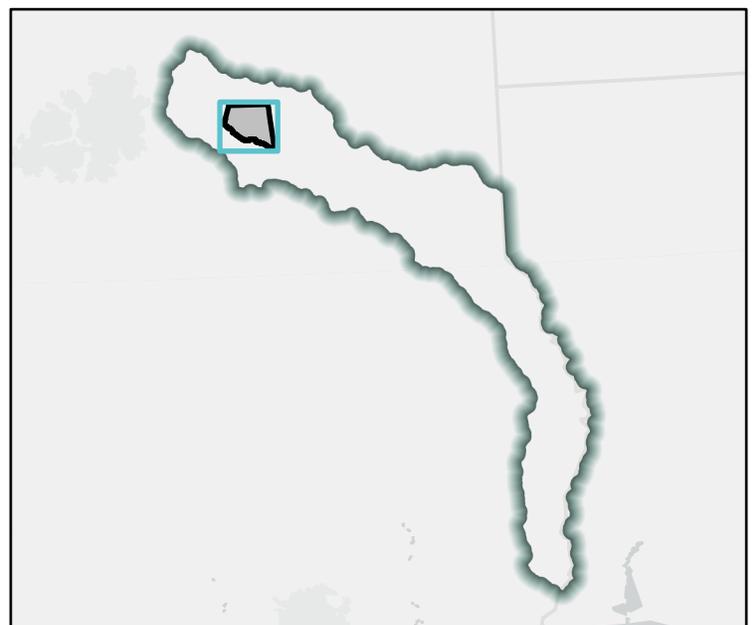
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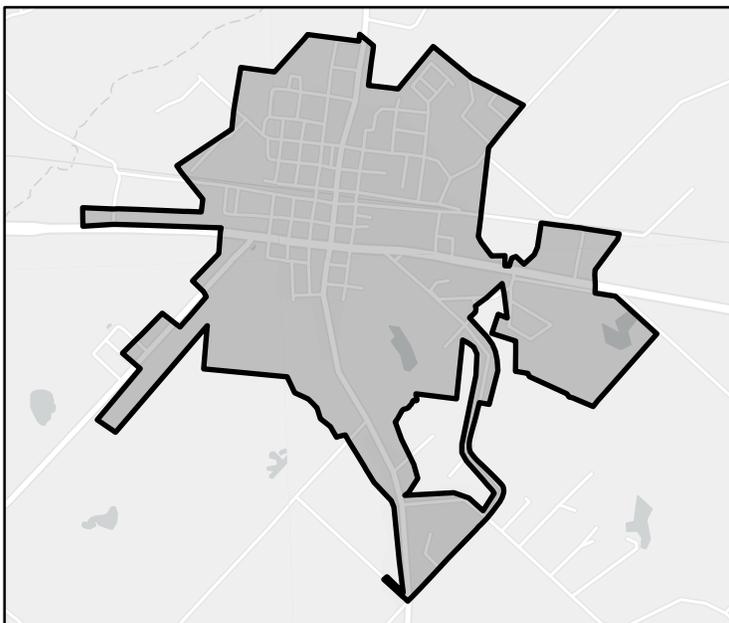
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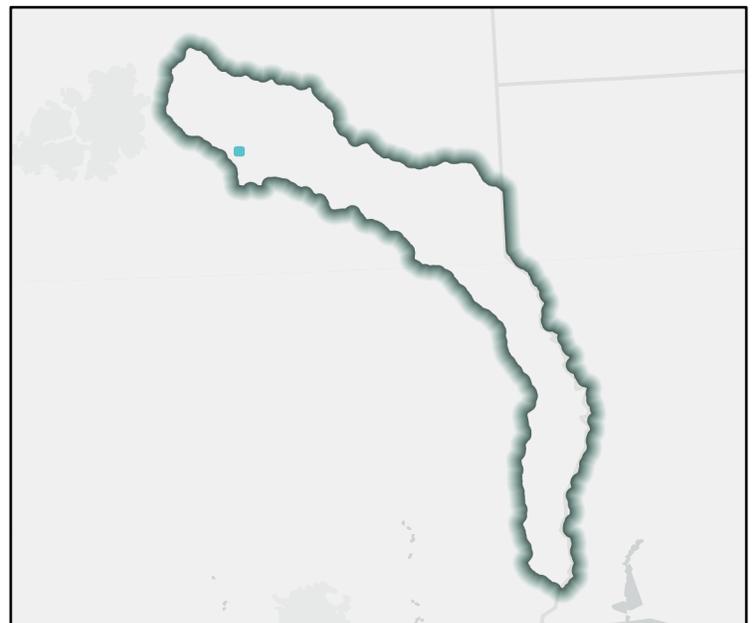
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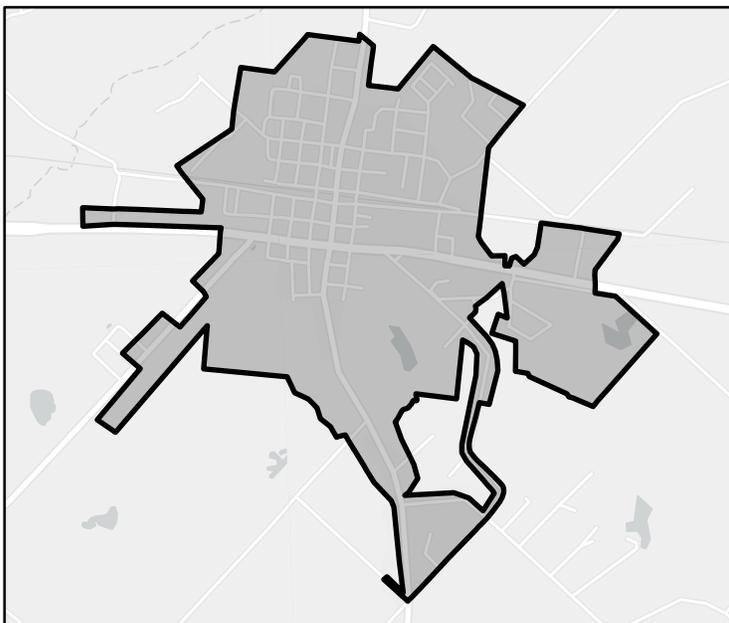
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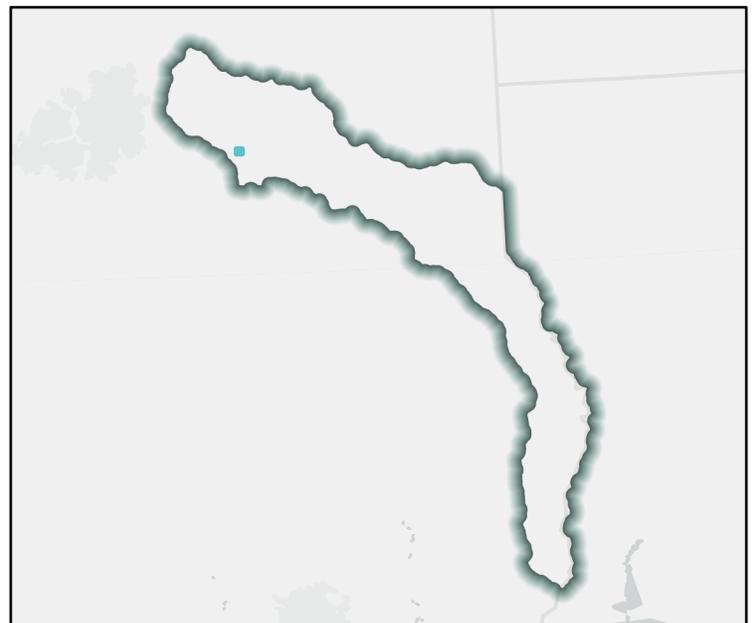
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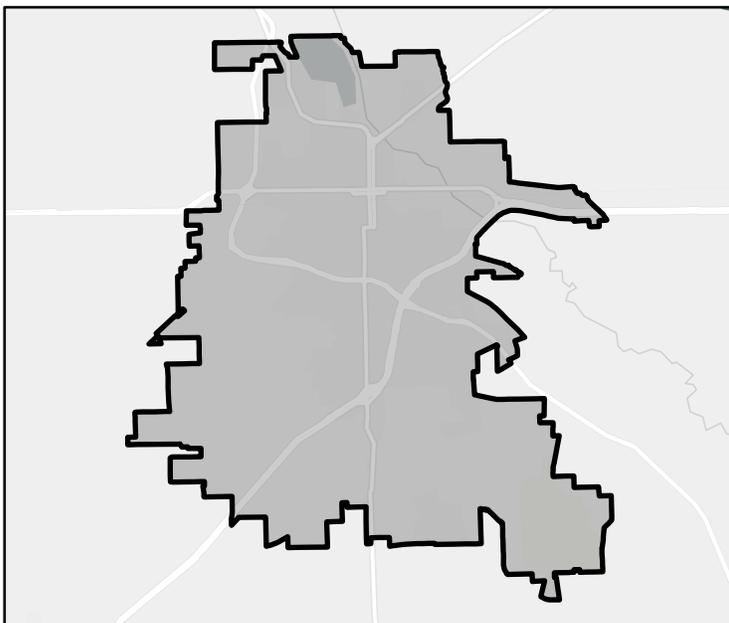
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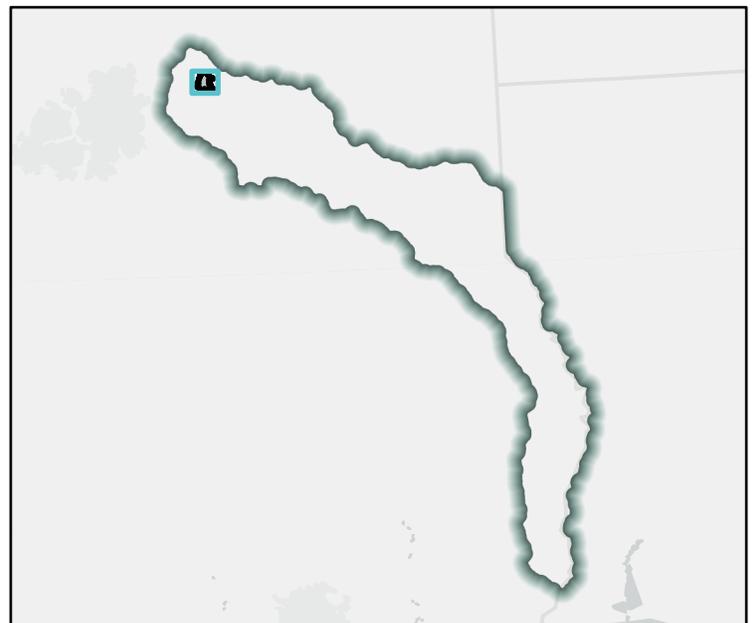
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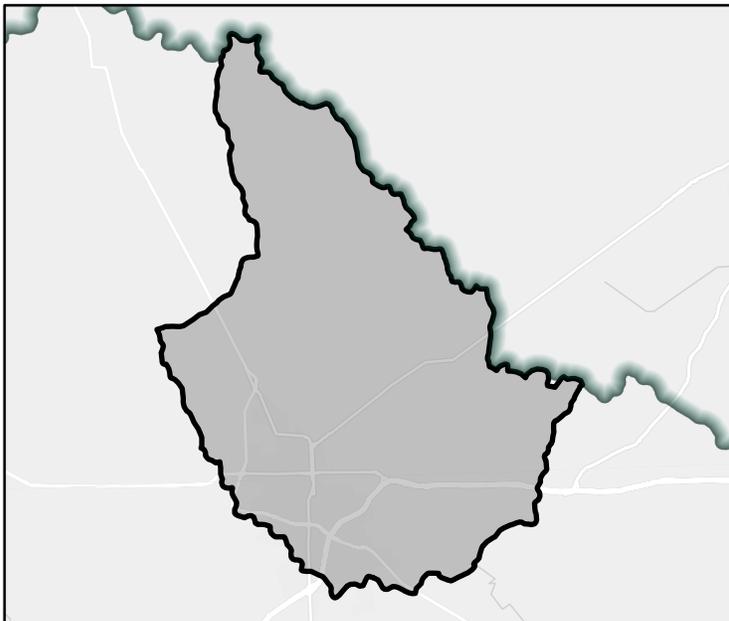
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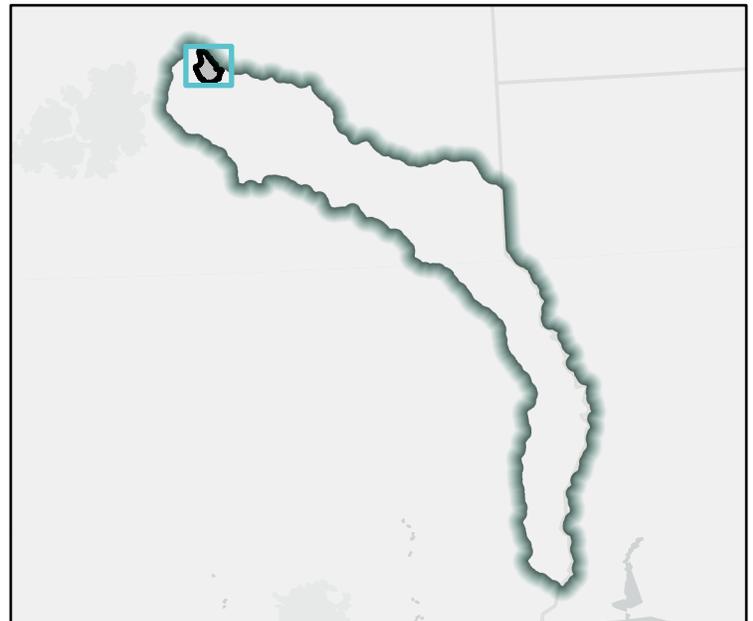
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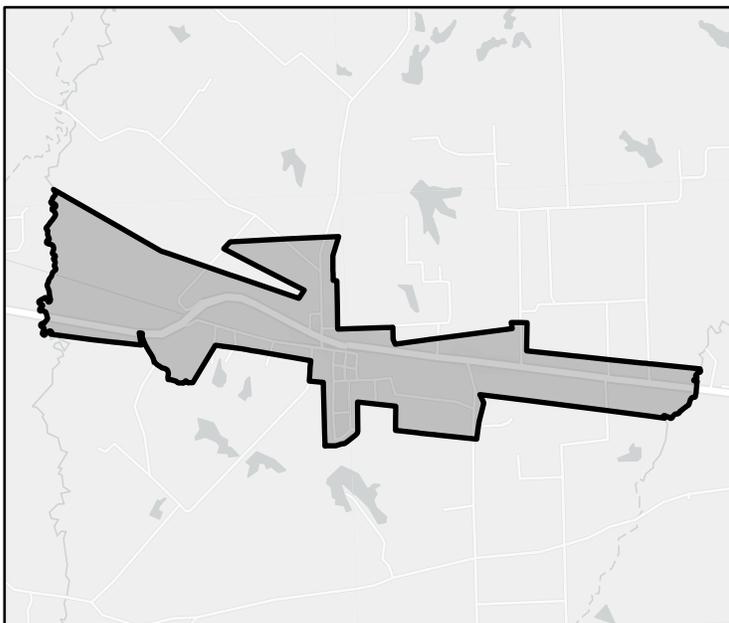
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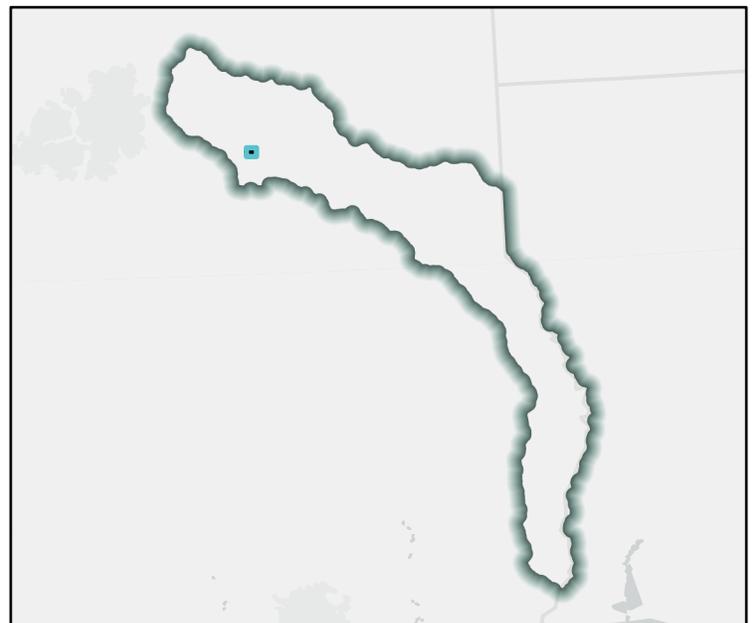
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Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

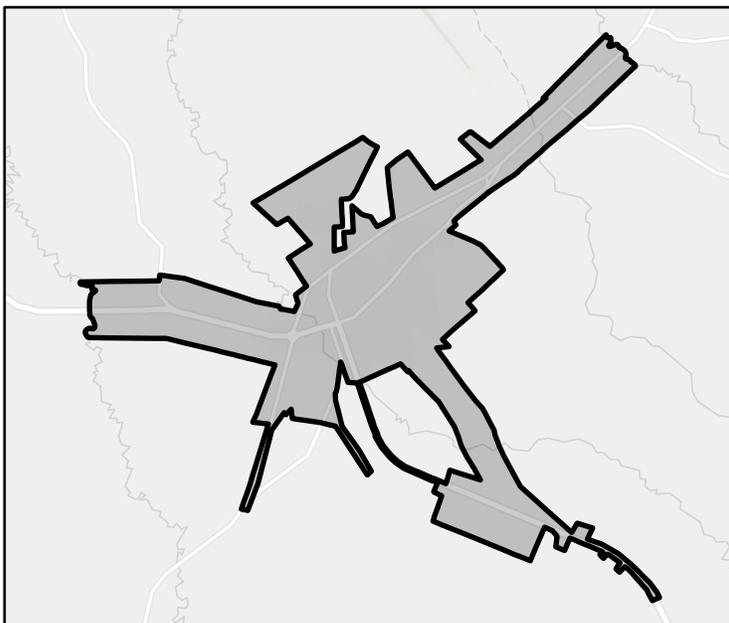
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

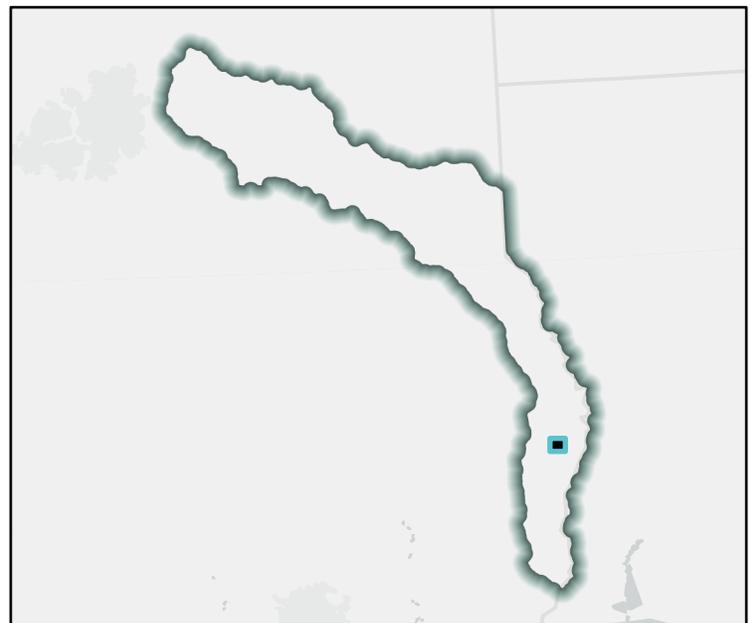
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

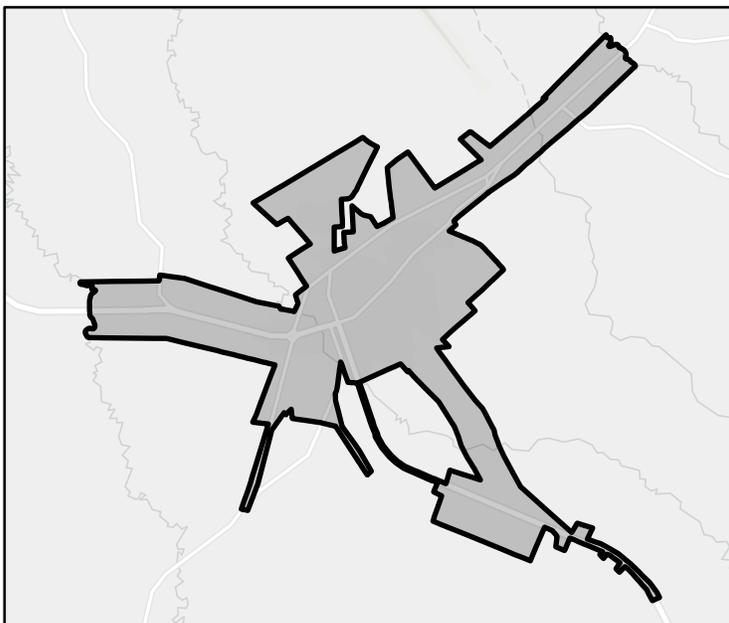
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

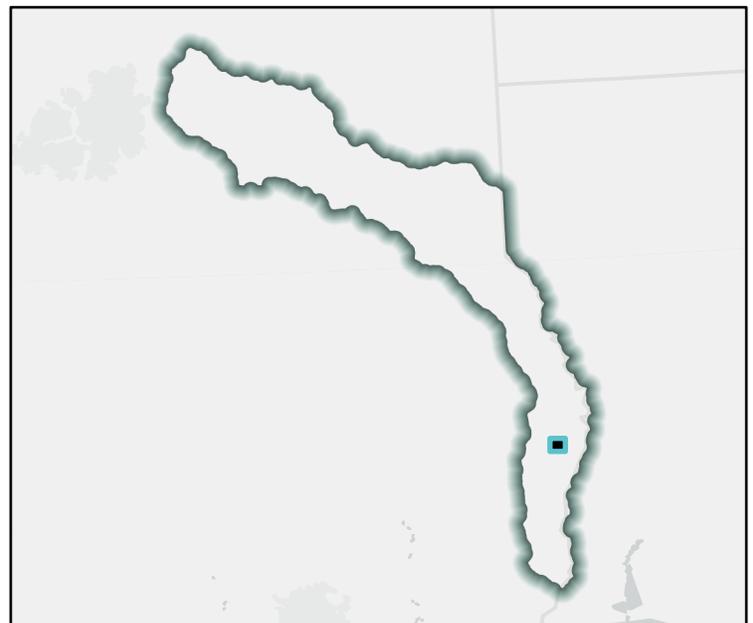
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Yes Reason for Recommendation

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

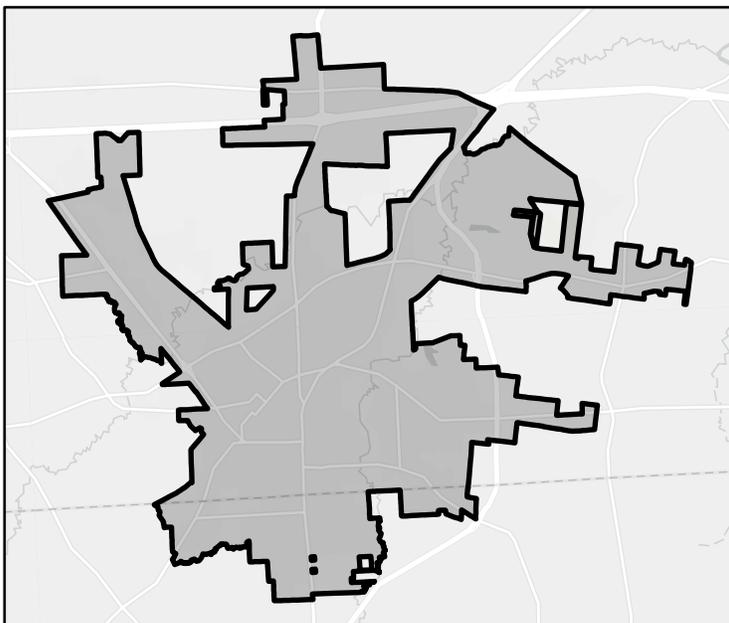
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

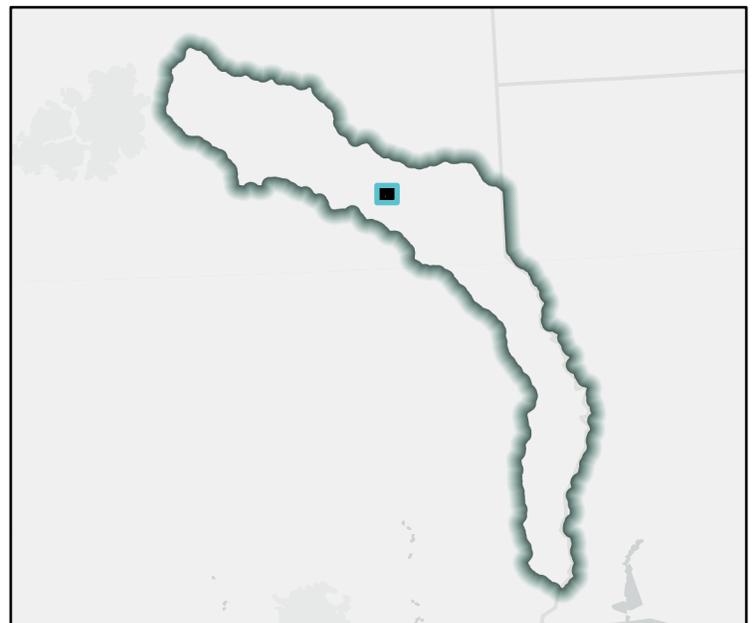
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Yes Reason for Recommendation

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

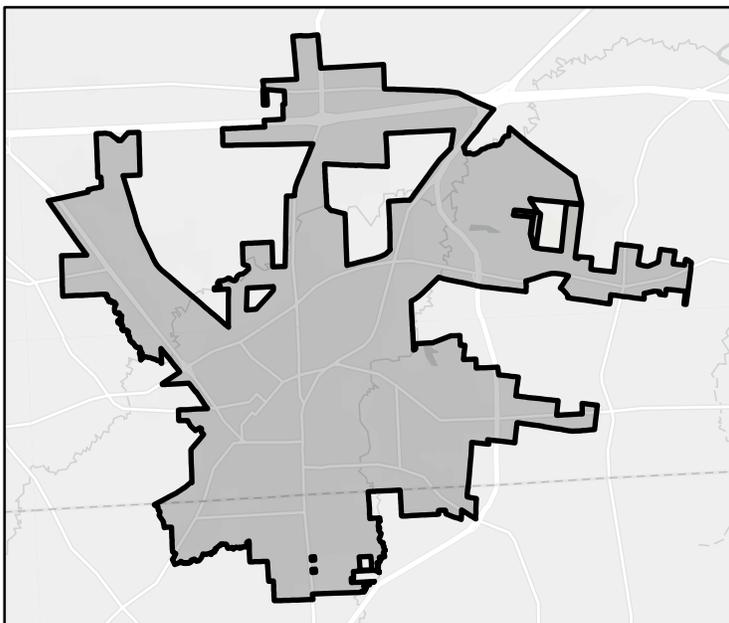
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

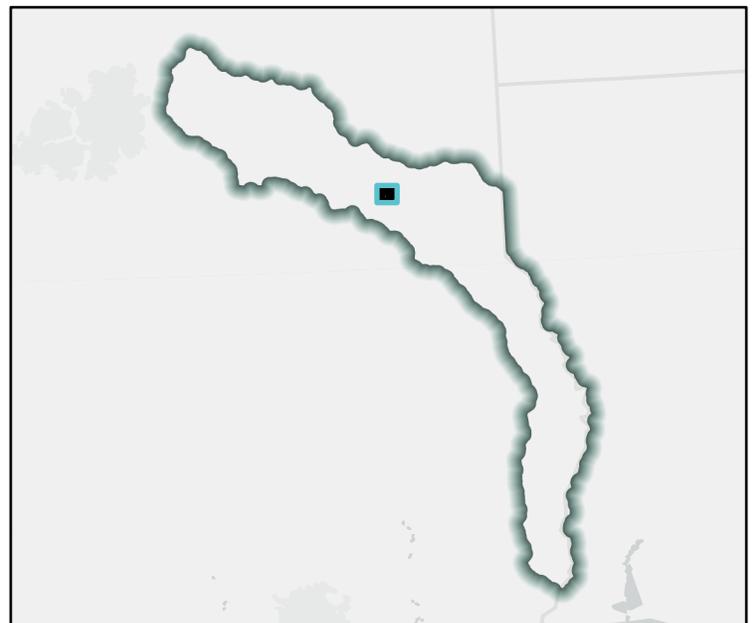
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

Recommended by RFPG?  Reason for Recommendation  Aligns with RFPG Goals

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

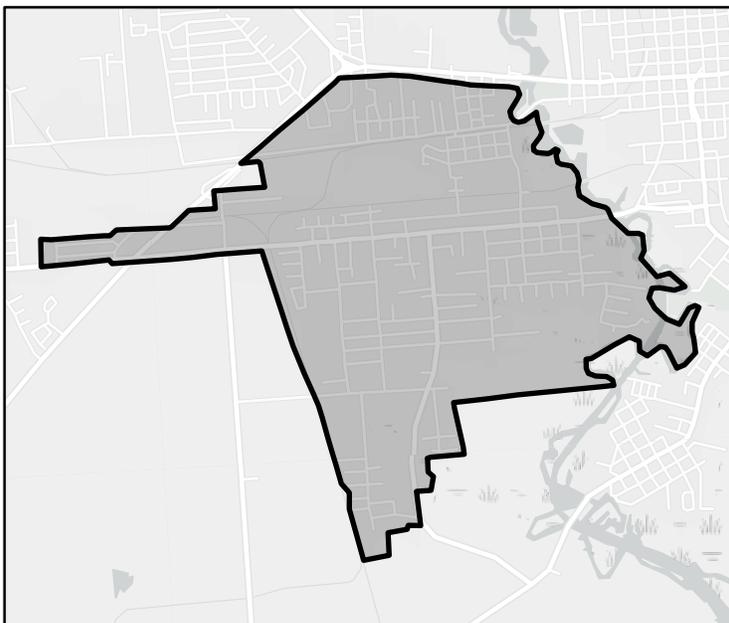
Flood risk type: Riverine?  Coastal?  Local Flooding?  Other?

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

# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

Total Cost  Potential federal funding availability?  Potential Federal Funding Sources



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

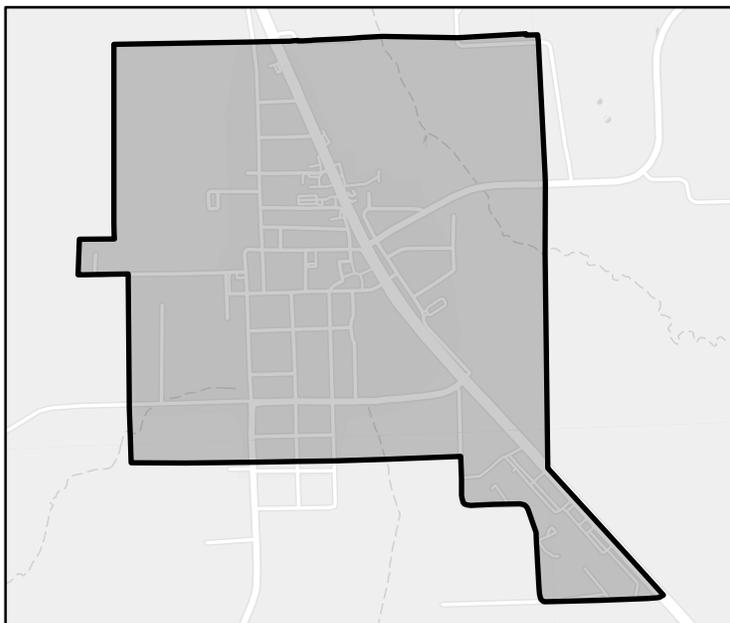
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

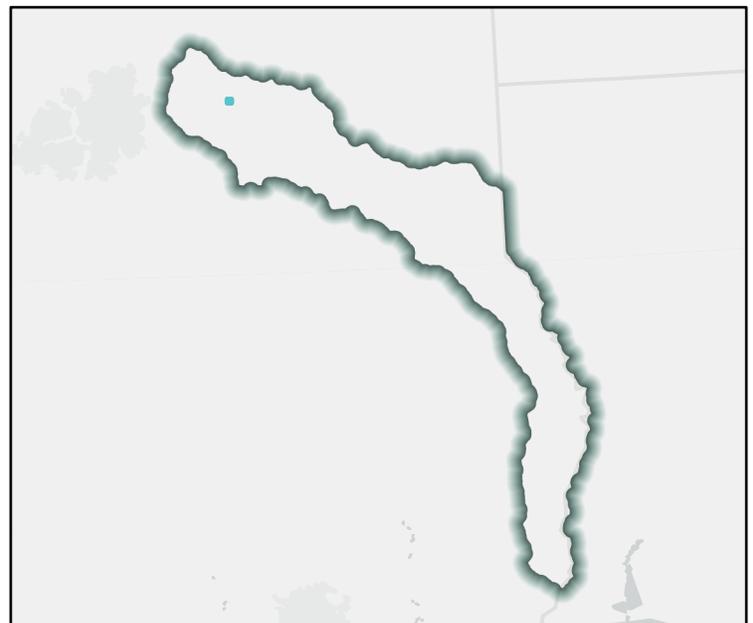
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

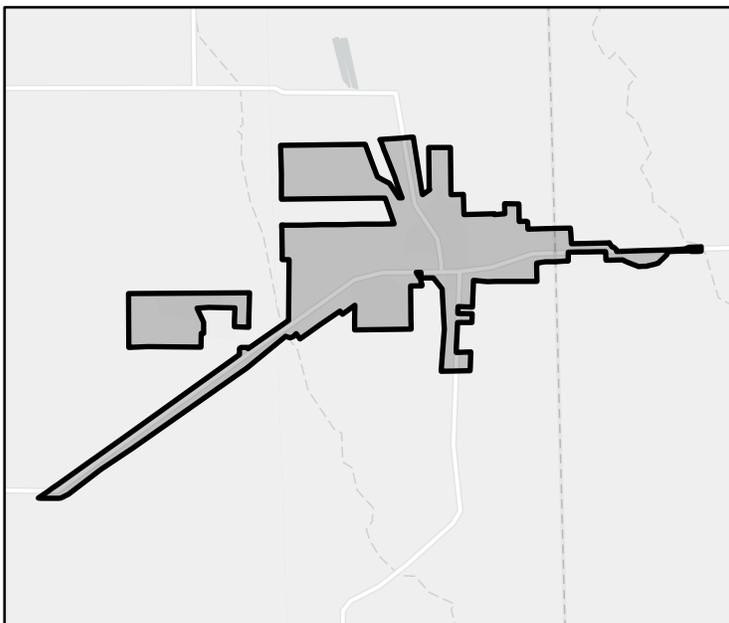
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

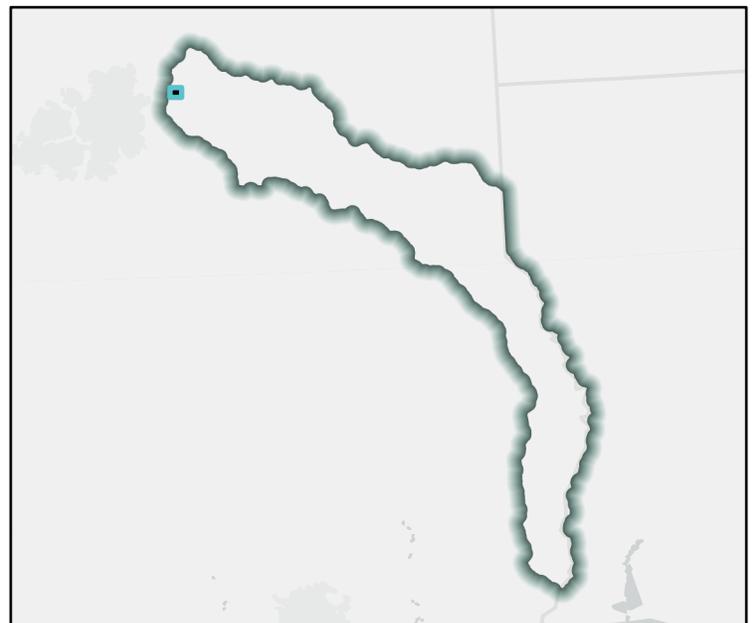
# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

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

## Study Details

Study type  County

Study description

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  # of critical facilities

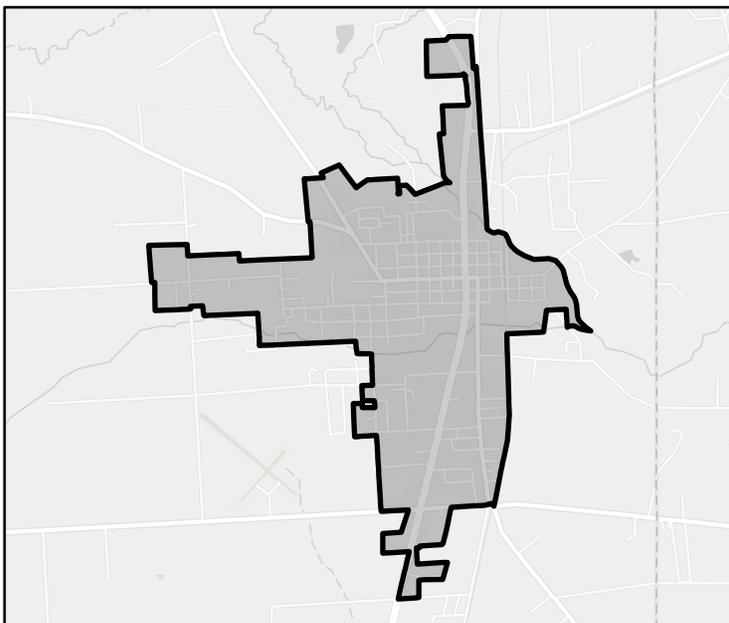
Flood risk type: Riverine?  Yes Coastal?  No Local Flooding?  No Other?  No

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

# of low water crossings  # of historical road closures

## Estimated Cost and Funding Availability

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



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title Kirbyville Drainage Improvement Study

ID# 041000041 Sponsor

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

## Study Details

Study type Project Planning County Jasper

Study description Coordinate and improve storm water drainage throughout the county; encourage new development to balance impervious surfaces with adjacent green space

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

Goal(s)

## 100-Year Flood Risk Summary

Population at risk 436 # of structures 135 # of critical facilities 3

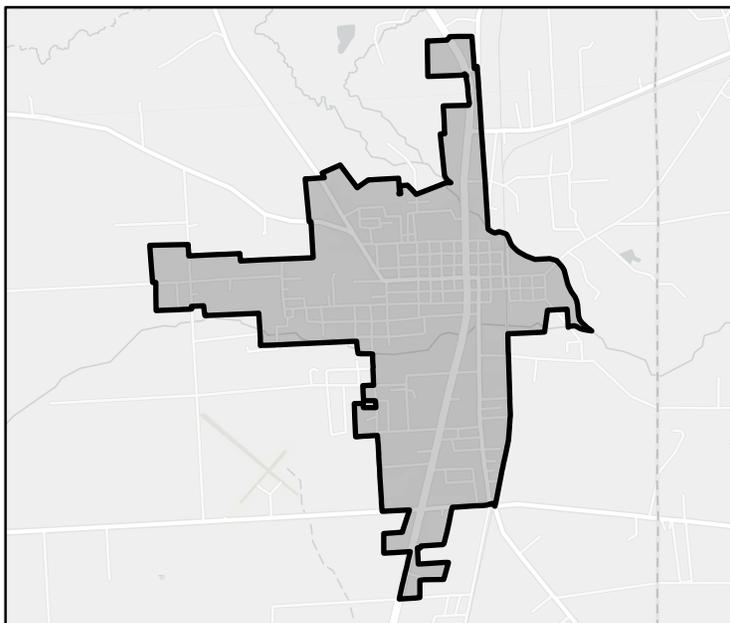
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 12 Roadways impacted (miles) 3

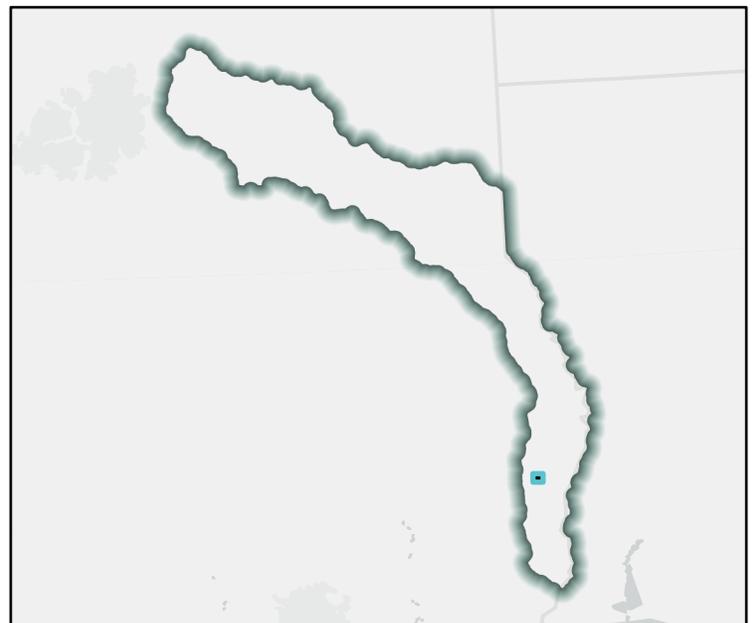
# of low water crossings 3 # of historical road closures 3

## Estimated Cost and Funding Availability

Total Cost \$100,000 Potential federal funding availability? Yes Potential Federal Funding Sources 0



FME Area



Regional view of FME area

# Flood Mitigation Project (FMP)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Project Description

Downtown Storm Sewer Improvements

Watershed HUC# (if known)  Emergency Need?

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

Associated FMEs  County

Associated FMSs  Associated FMPs

## Existing 100-Year Flood Risk

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

Population at risk  # of structures  Critical facilities

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Project Cost  % Nature-Based  BCR

Recurring costs  Issues



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)



REGIONAL FLOOD PLANNING GROUP

Title Sabine Pass to Galveston Bay Coastal Storm Risk Management Project

ID# 043000017 Sponsor Orange County Drainage District

RFPG recommend? Yes Reason for Recommendation Aligns with RFPG goals

## Project Description

Program comprised of improvements and construction of new infrastructure currently being implemented to reduce the risk of storm surge impacts in Orange, Jefferson, and Brazoria Counties in Texas.

Watershed HUC# (if known)	120100051005, 120100051004, 120100051100, 120100051003	Emergency Need?	Yes
Associated FMEs	999999	Drainage area (mi <sup>2</sup> est.)	265
Associated FMSs	999999	County	Orange, Newton
		Associated FMPs	053000005

## Existing 100-Year Flood Risk

Flood risk type:	Riverine? No	Coastal? Yes	Local? No	Playa? No	Other? No
Population at risk	24,485	# of structures	7,929	Critical facilities	206
Farm/Ranch land impacted (acres)	3,495	Roadway(s) impacted (length)	158		
Number of low water crossings	21	Historical road closures	-		

## 100-Year Flood Risk Reduction

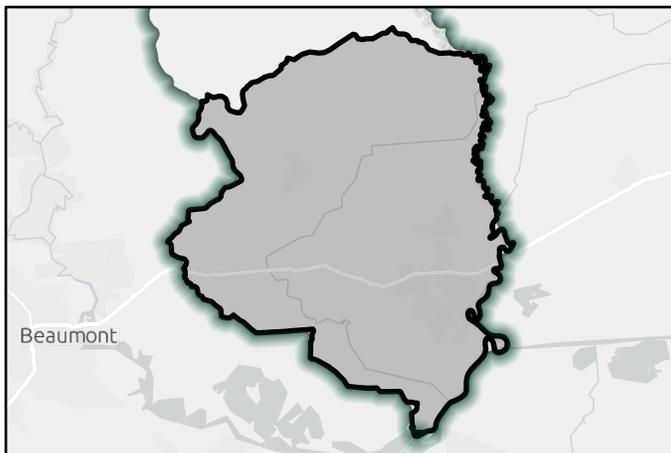
Population removed from 100-yr	2,375	# of structures removed from 100-yr	1,618
Critical facilities removed from 100-yr	9	Farm/Ranch land removed from 100-yr (acres)	1,679
Road removed from 100-yr (miles)	28	Low water crossings removed from 100-yr	21
Other benefits	Environmental, Water Quality	Reduction in # of road closures over 10 years	-

## Impacts

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

## Estimated Cost

Project Cost	\$2,270,099,968	% Nature-Based	0	BCR	2
Recurring costs	-	Issues	-		



FMP area



Regional view of FMP area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)  Drainage area (mi<sup>2</sup>, est.)

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

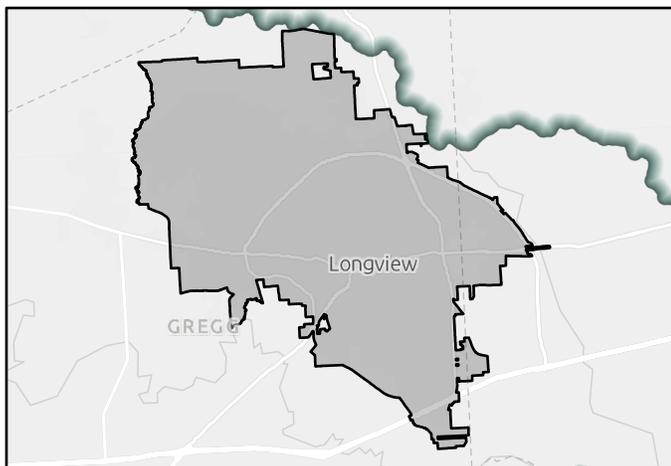
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)  Drainage area (mi<sup>2</sup>, est.)

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

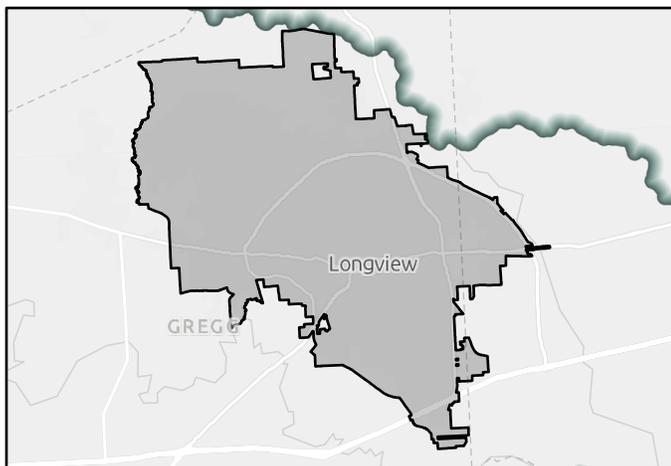
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title Longview Flood Mitigation Floodplain Development Regulations

ID# 042000036 Sponsor Longview (Municipality)

RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## Strategy Details

Strategy type	Regulatory and Guidance		
Strategy 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.		
Associated FMEs	999999	Associated FMPs	999999
Associated FMSs	999999	Drainage area (mi <sup>2</sup> , est.)	56
Watershed HUC# (if known)	120100020506, 120100020601, 120100020504, 120100020602	County	Gregg
Goal(s)	Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Increase number of communities with a comprehensive drainage policy and criteria manuals to reduce flood hazard encouragement and education to include 75% of the region's population.		

## Existing 100-Year Flood Risk

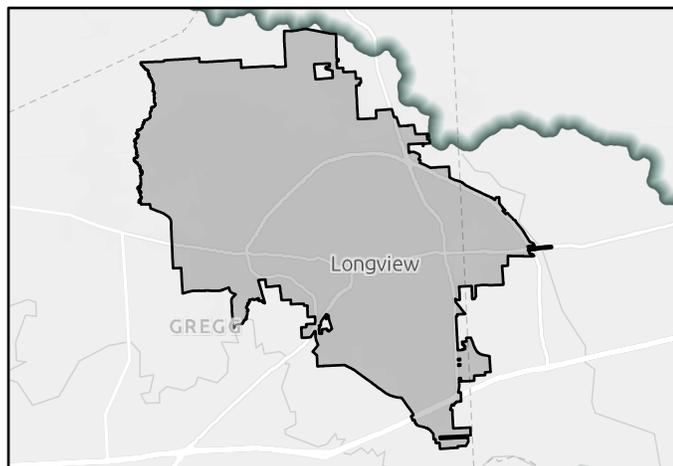
Population at risk	10,126	# of structures	1,379	Critical facilities	9
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	295	Roadway(s) impacted (miles)	41		
Number of low water crossings	0	Historical road closures	0		

## Impacts

Negative impacts?	No	Negative impacts description	N/A
Water supply contributions?	No	Water supply contribution description	None

## Estimated Cost

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



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type	Education and Outreach				
Strategy description	Place links on local websites to free FEMA training for independent study via the internet, such as 15-271 "Anticipating Hazardous Weather and Community Risk."				
Associated FMEs	<input type="text" value="999999"/>		Associated FMPs	<input type="text" value="999999"/>	
Associated FMSs	<input type="text" value="999999"/>		Drainage area (mi <sup>2</sup> , est.)	<input type="text" value="56"/>	
Watershed HUC# (if known)	<input type="text" value="120100020506, 120100020601, 120100020504, 120100020602"/>	<input type="text" value="120100020505"/>	County	<input type="text" value="Gregg"/>	

Goal(s)

## Existing 100-Year Flood Risk

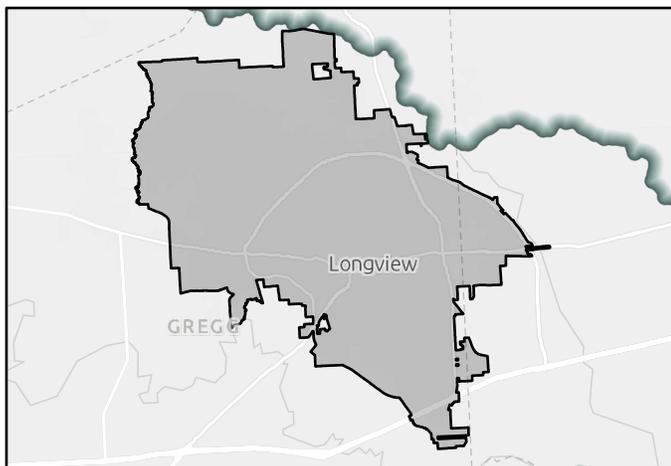
Population at risk	<input type="text" value="10,126"/>	# of structures	<input type="text" value="1,379"/>	Critical facilities	<input type="text" value="9"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="295"/>		Roadway(s) impacted (miles)	<input type="text" value="41"/>	
Number of low water crossings	<input type="text" value="0"/>		Historical road closures	<input type="text" value="0"/>	

## Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="N/A"/>		
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="None"/>		

## Estimated Cost

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



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)  Drainage area (mi<sup>2</sup>, est.)

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

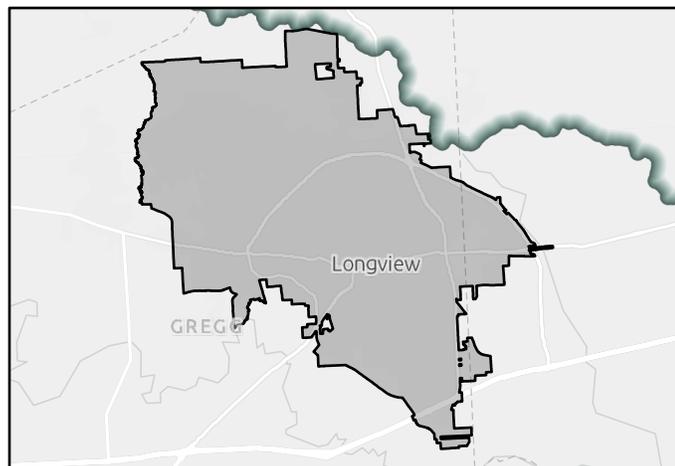
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)  Drainage area (mi<sup>2</sup>, est.)

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

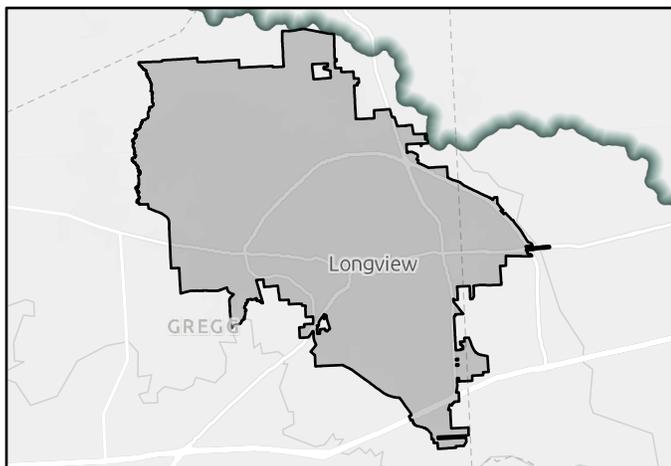
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)  Drainage area (mi<sup>2</sup>, est.)

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

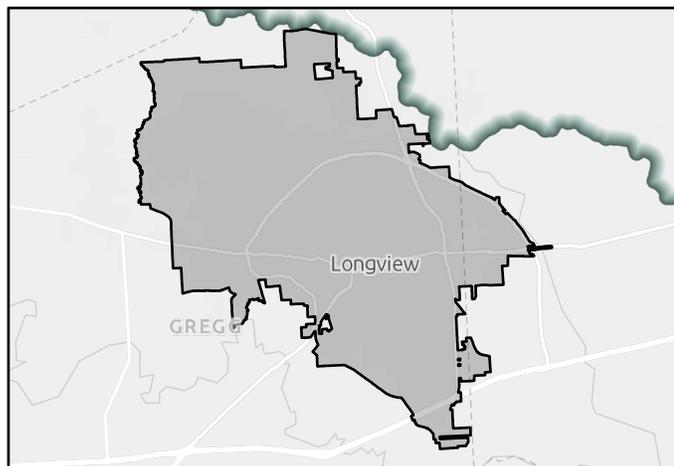
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)

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

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

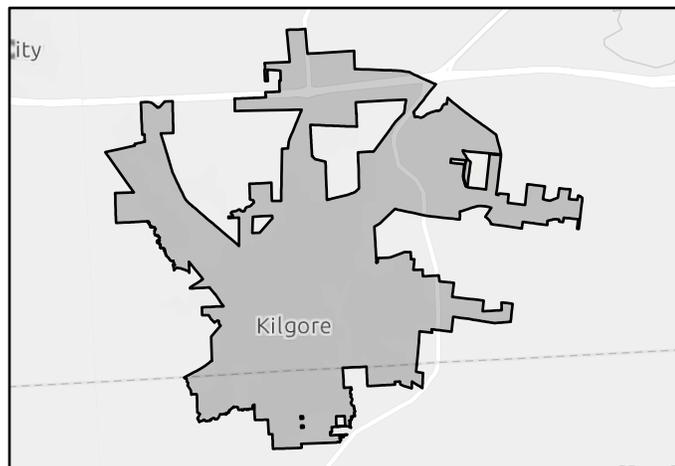
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

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

Watershed HUC# (if known)  County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

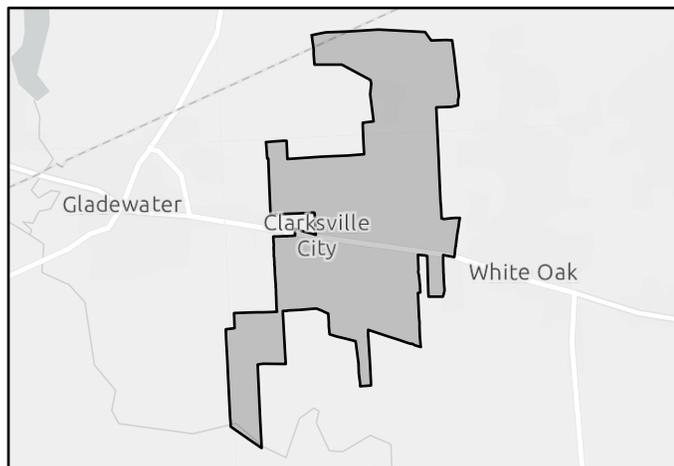
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)

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

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

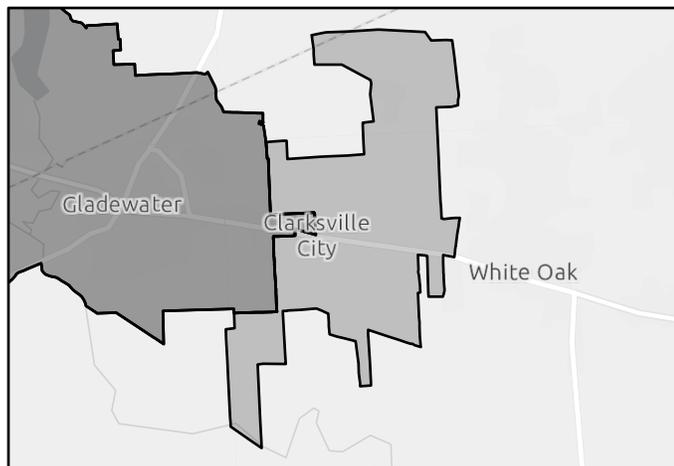
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type	Education and Outreach		
Strategy description	Develop and implement a public education campaign to inform the public about mitigation actions they can take to make their family and home safer. Put information and links to outside resources on city websites and facebook pages.		
Associated FMEs	<input type="text" value="999999"/>	Associated FMPs	<input type="text" value="999999"/>
Associated FMSs	<input type="text" value="999999"/>	Drainage area (mi <sup>2</sup> , est.)	<input type="text" value="12"/>
Watershed HUC# (if known)	<input type="text" value="120100020402, 120100020403, 120100020405"/>		County
			<input type="text" value="Gregg, Upshur"/>

Goal(s)

## Existing 100-Year Flood Risk

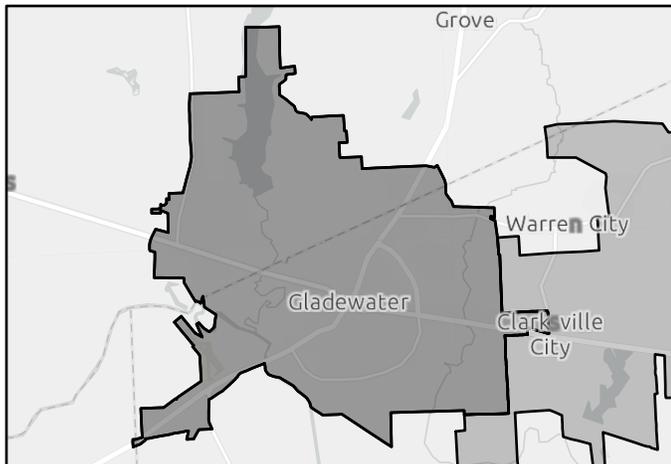
Population at risk	<input type="text" value="225"/>	# of structures	<input type="text" value="146"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="308"/>		Roadway(s) impacted (miles)	<input type="text" value="4"/>	
Number of low water crossings	<input type="text" value="0"/>		Historical road closures	<input type="text" value="0"/>	

## Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="N/A"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="None"/>

## Estimated Cost

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



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

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

Watershed HUC# (if known)  County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

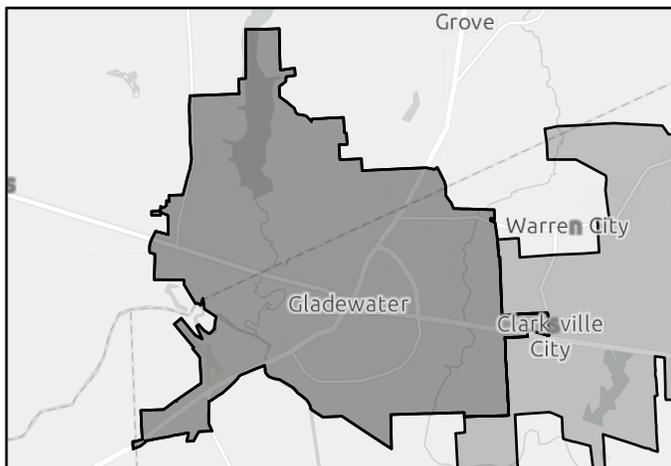
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

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

Watershed HUC# (if known)  County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

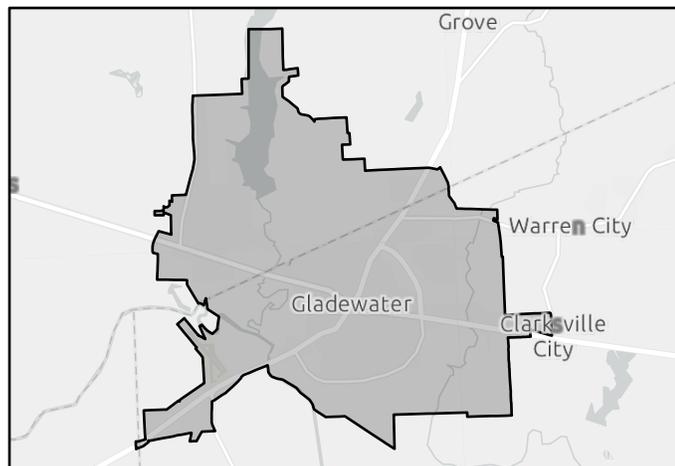
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)

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

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

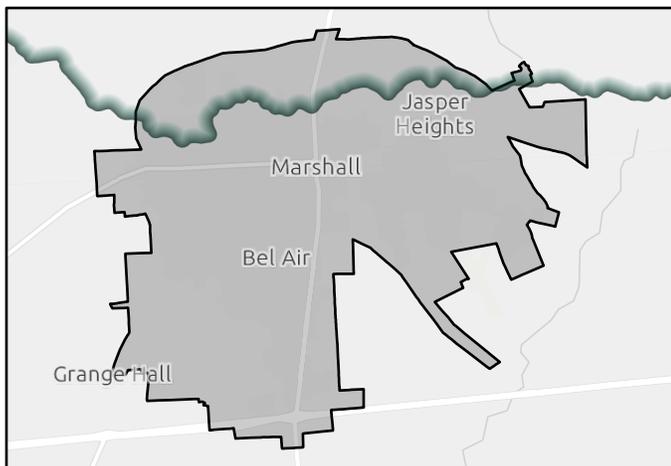
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)  Drainage area (mi<sup>2</sup>, est.)

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

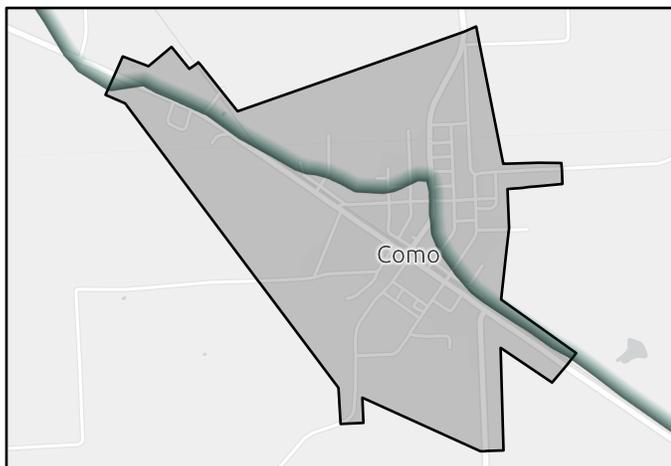
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)

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

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

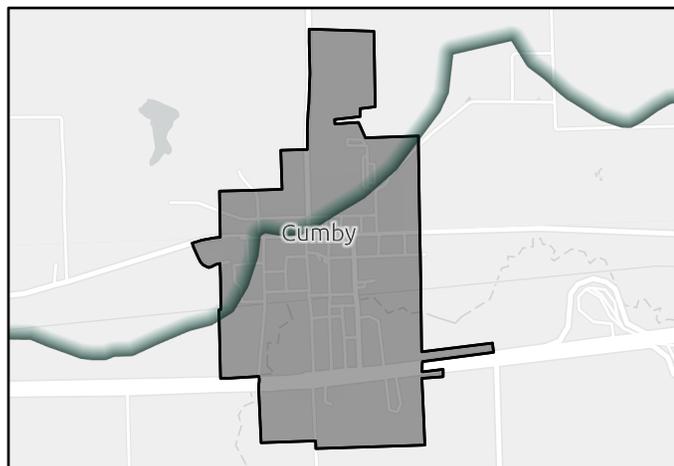
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

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

Watershed HUC# (if known)  County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

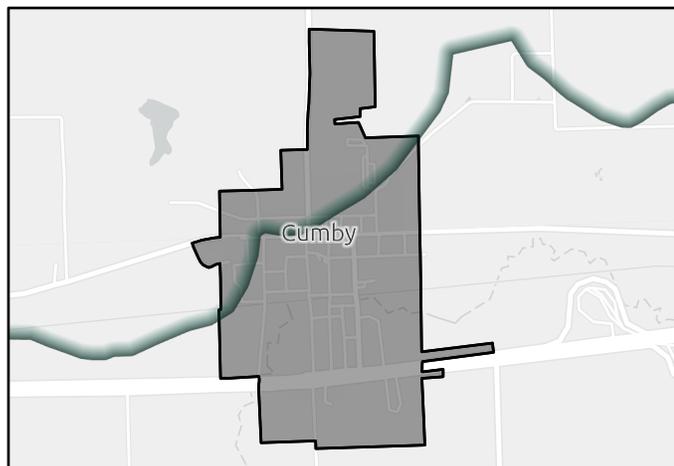
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type	<input type="text" value="Regulatory and Guidance"/>		
Strategy description	<input type="text" value="Increase NFIP Participation. Greenville participates in the NFIP program and needs to strongly encourage through education additional residents and businesses to purchase and maintain flood insurance."/>		
Associated FMEs	<input type="text" value="999999"/>	Associated FMPs	<input type="text" value="999999"/>
Associated FMSs	<input type="text" value="999999"/>	Drainage area (mi <sup>2</sup> , est.)	<input type="text" value="33"/>
Watershed HUC# (if known)	<input type="text" value="120100010103, 120100010102, 120100010204, 120100010401"/>		County
			<input type="text" value="Hunt"/>
Goal(s)	<input type="text" value="Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Increase number of communities with a comprehensive drainage policy and criteria manuals to reduce flood hazard encouragement and education to include 75% of the region's population."/>		

## Existing 100-Year Flood Risk

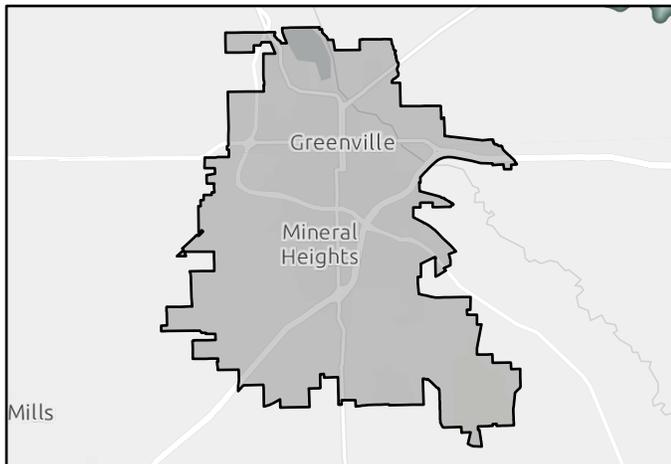
Population at risk	<input type="text" value="5,509"/>	# of structures	<input type="text" value="429"/>	Critical facilities	<input type="text" value="28"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="1,339"/>	Roadway(s) impacted (miles)	<input type="text" value="26"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="N/A"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="None"/>

## Estimated Cost

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



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)  Drainage area (mi<sup>2</sup>, est.)

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

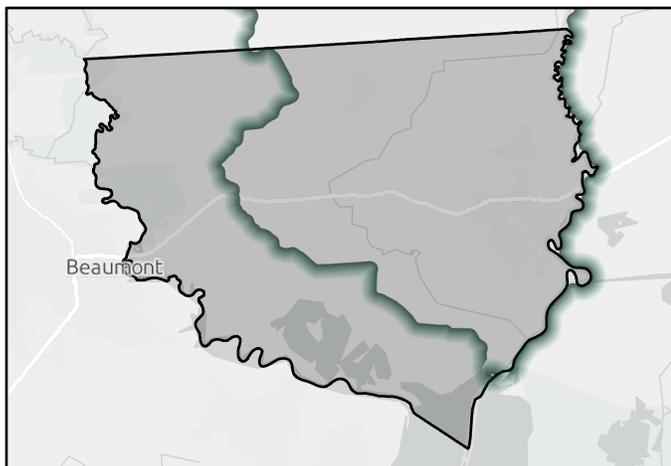
## Impacts

Negative impacts?  Negative impacts description

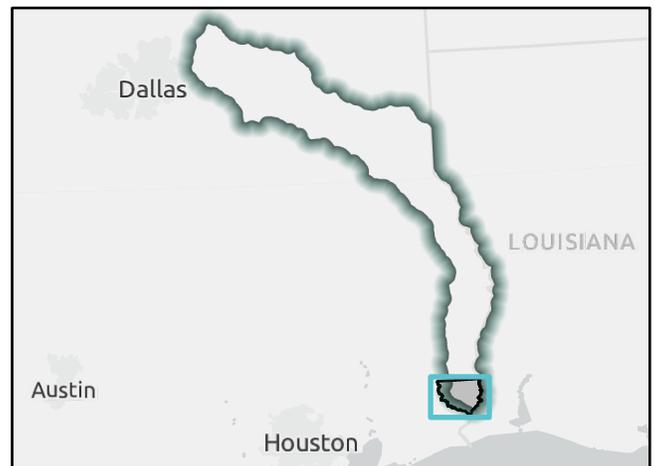
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)  Drainage area (mi<sup>2</sup>, est.)

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

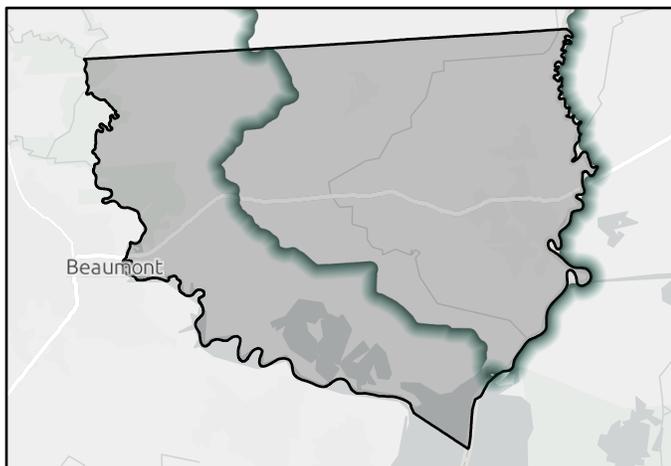
## Impacts

Negative impacts?  Negative impacts description

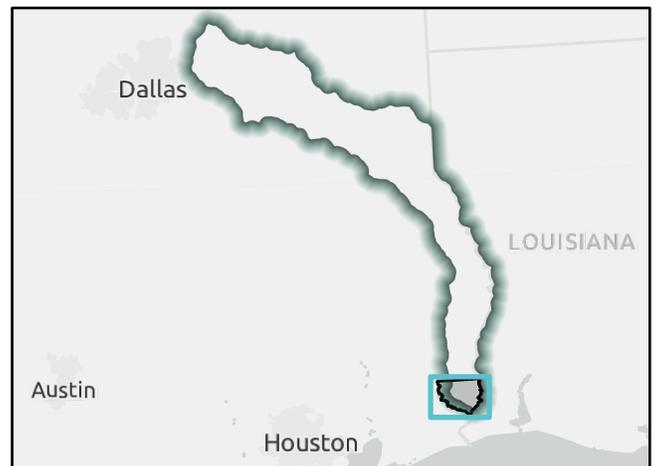
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)  Drainage area (mi<sup>2</sup>, est.)

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

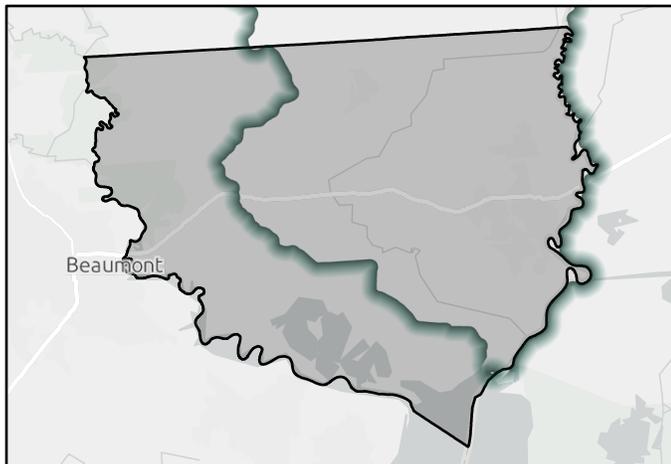
## Impacts

Negative impacts?  Negative impacts description

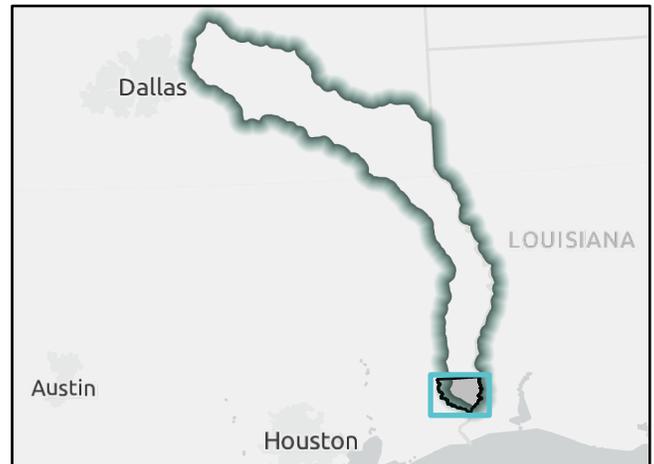
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)

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

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

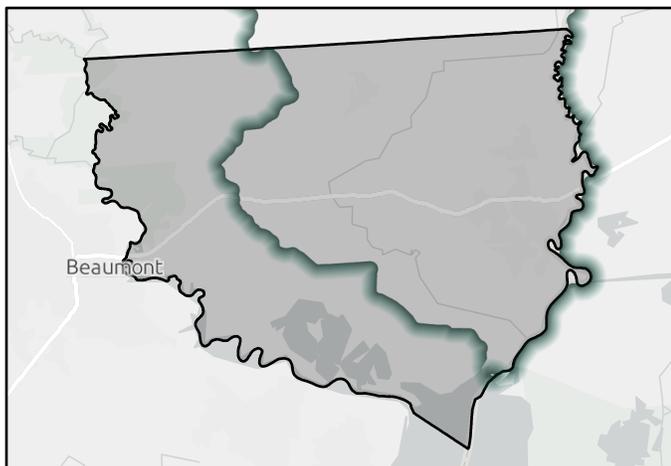
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)

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

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

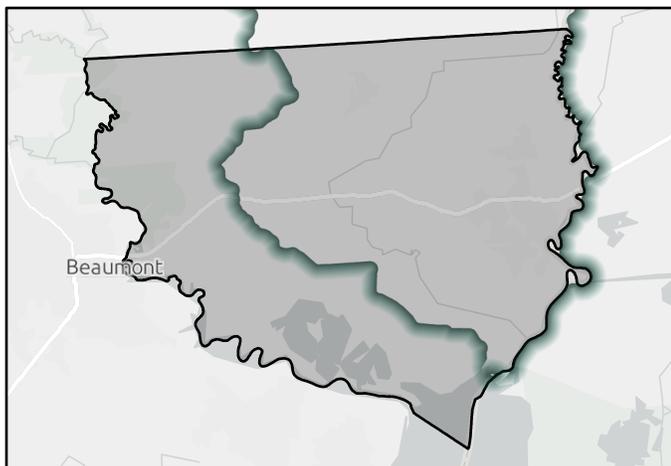
## Impacts

Negative impacts?  Negative impacts description

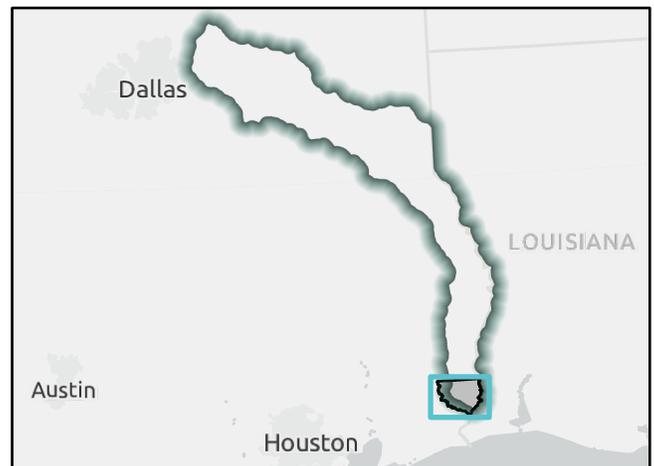
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type	<input type="text" value="Regulatory and Guidance"/>		
Strategy description	<input type="text" value="Update Design Criteria"/>		
Associated FMEs	<input type="text" value="999999"/>	Associated FMPs	<input type="text" value="999999"/>
Associated FMSs	<input type="text" value="999999"/>	Drainage area (mi <sup>2</sup> , est.)	<input type="text" value="371"/>
Watershed HUC# (if known)	<input type="text" value="120100051100,120100051003,120100051004,120100051005"/>		County
			<input type="text" value="Orange"/>

Goal(s)

## Existing 100-Year Flood Risk

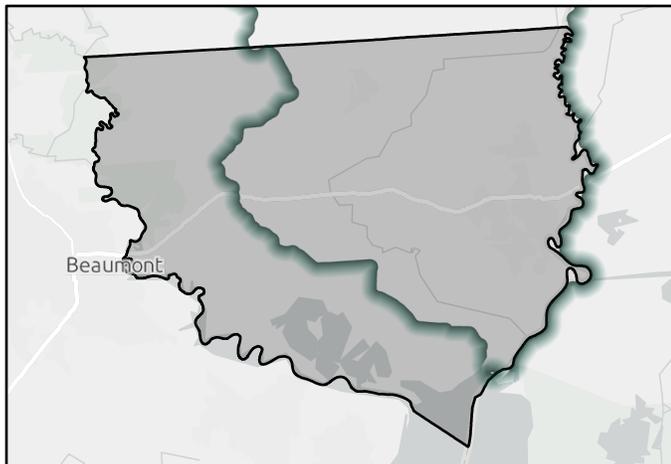
Population at risk	<input type="text" value="26,881"/>	# of structures	<input type="text" value="16,974"/>	Critical facilities	<input type="text" value="276"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="17,171"/>		Roadway(s) impacted (miles)	<input type="text" value="364"/>	
Number of low water crossings	<input type="text" value="22"/>	Historical road closures	<input type="text" value="22"/>		

## Impacts

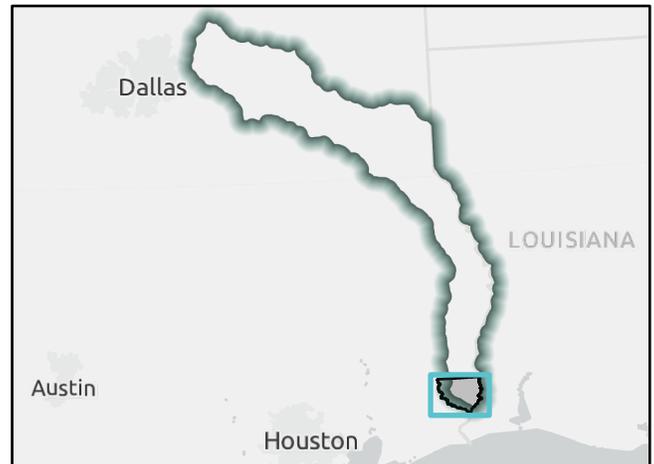
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="N/A"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="None"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$50,000"/>	Amount of available funding	<input type="text" value="\$0"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

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

Watershed HUC# (if known)  County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

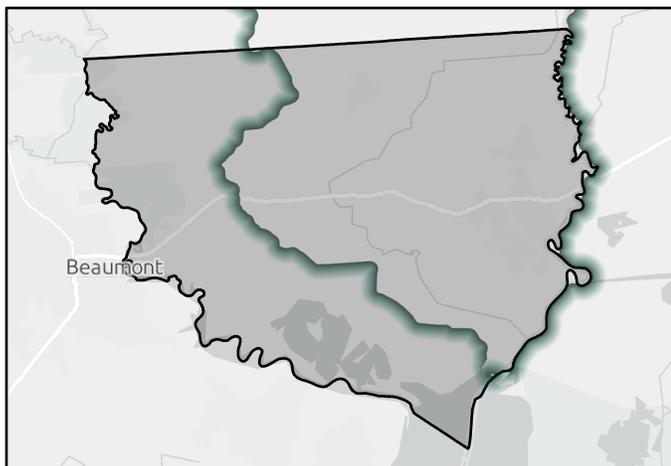
## Impacts

Negative impacts?  Negative impacts description

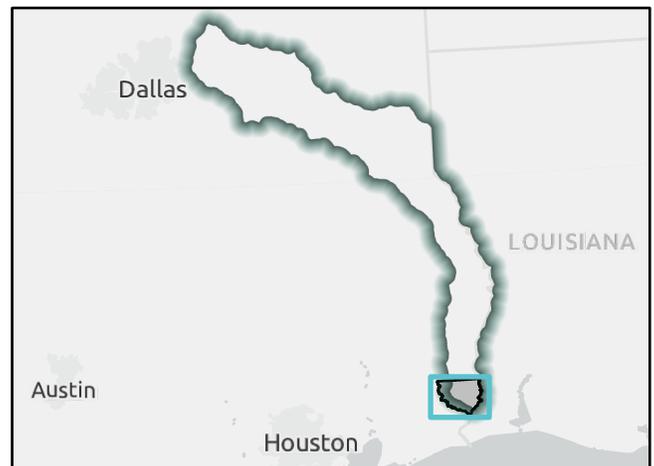
Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type	Education and Outreach		
Strategy description	Develop a public education and awareness website to educate and inform Rockwall County residents/businesses about the natural hazards and the potential ways to mitigate them and the ecological and societal benefits of flooding.		
Associated FMEs	<input type="text" value="999999"/>	Associated FMPs	<input type="text" value="999999"/>
Associated FMSs	<input type="text" value="999999"/>	Drainage area (mi <sup>2</sup> , est.)	<input type="text" value="148"/>
Watershed HUC# (if known)	<input type="text" value="120100010301, 120100010302"/>		County
			<input type="text" value="Rockwall"/>

Goal(s)

## Existing 100-Year Flood Risk

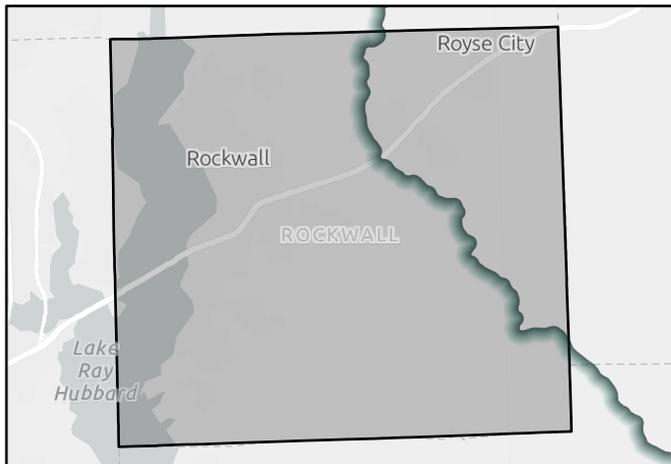
Population at risk	<input type="text" value="673"/>	# of structures	<input type="text" value="191"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="3,040"/>	Roadway(s) impacted (miles)	<input type="text" value="15"/>		
Number of low water crossings	<input type="text" value="11"/>	Historical road closures	<input type="text" value="11"/>		

## Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="N/A"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="None"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$2,775"/>	Amount of available funding	<input type="text" value="\$0"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

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

Watershed HUC# (if known)  County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

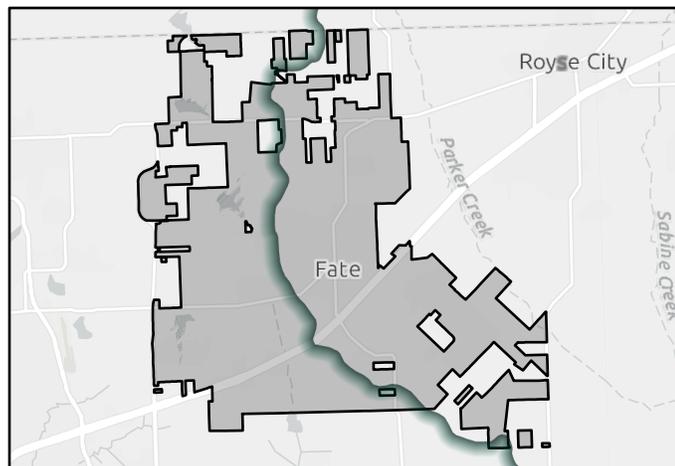
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)  Drainage area (mi<sup>2</sup>, est.)

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

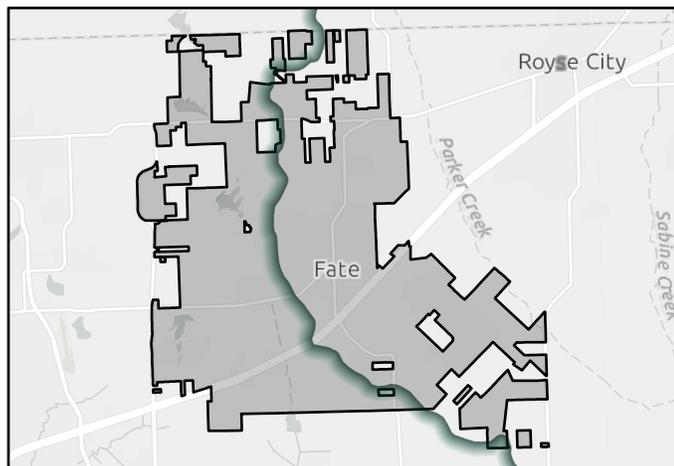
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)

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

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

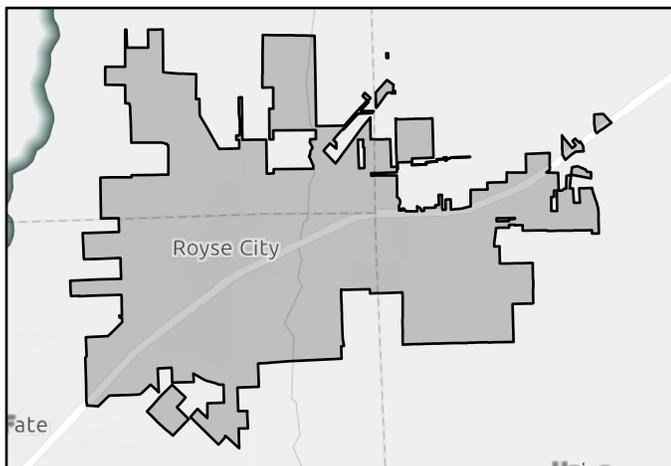
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



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ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

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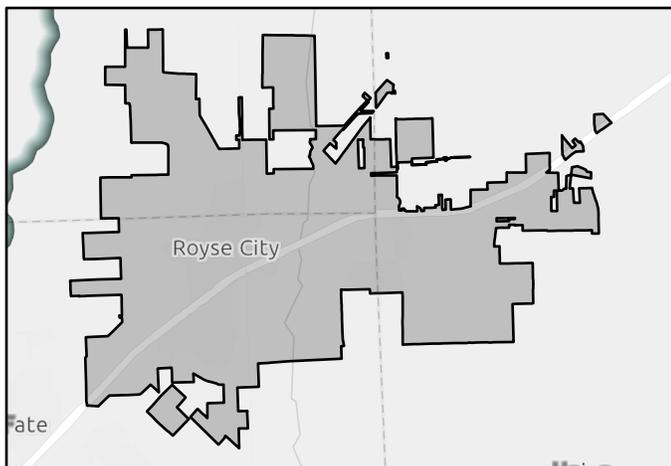
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

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Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)  Drainage area (mi<sup>2</sup>, est.)

County

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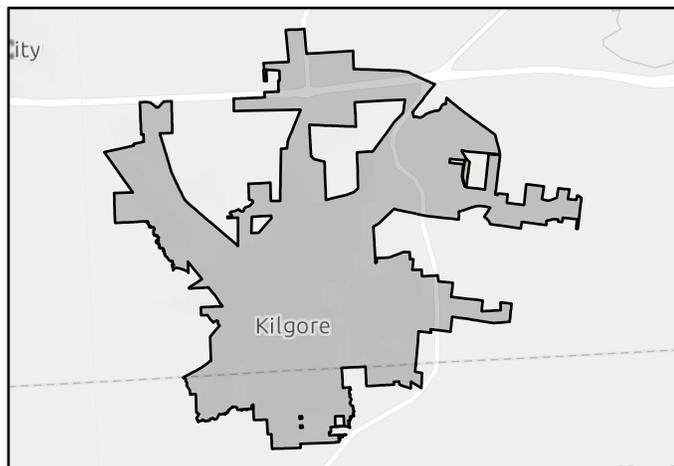
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

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RFPG recommend?  Reason for Recommendation

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Strategy type

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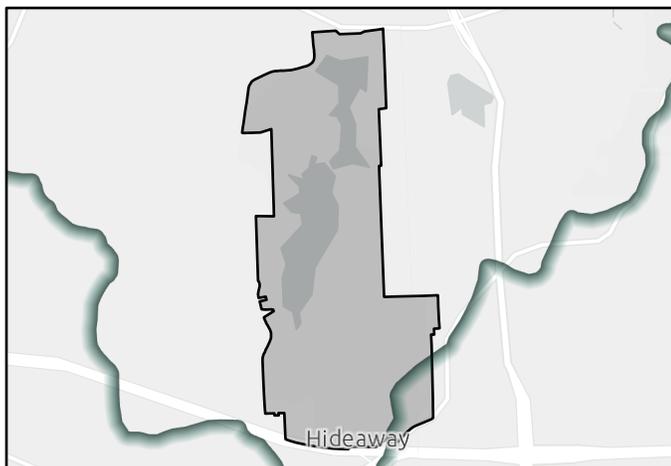
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

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RFPG recommend?  Reason for Recommendation

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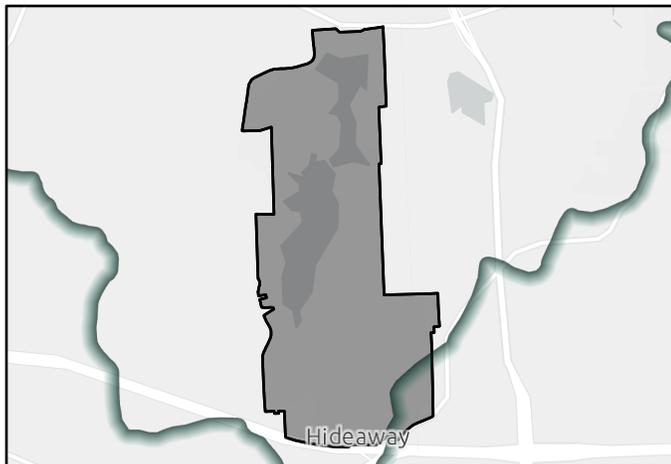
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

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Strategy description

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Associated FMSs

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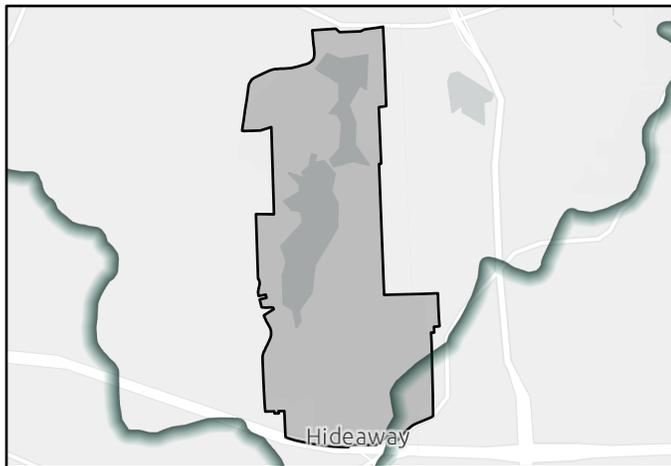
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

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FMS area



Regional view of FMS area

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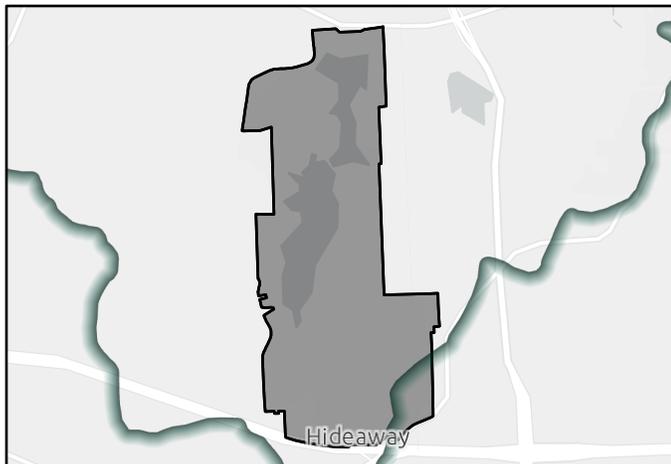
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Negative impacts?  Negative impacts description

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FMS area



Regional view of FMS area

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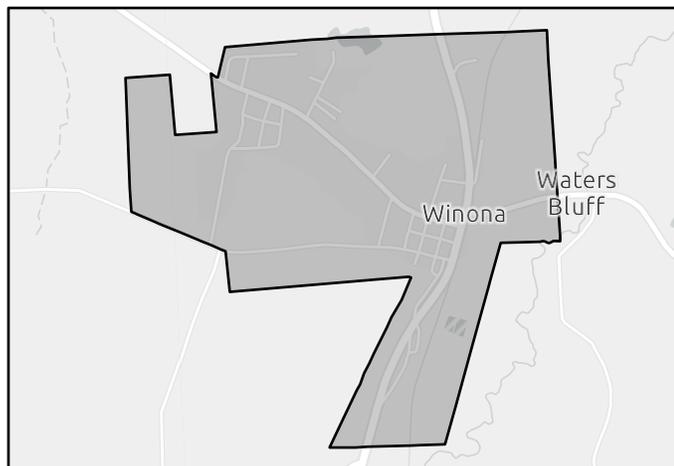
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



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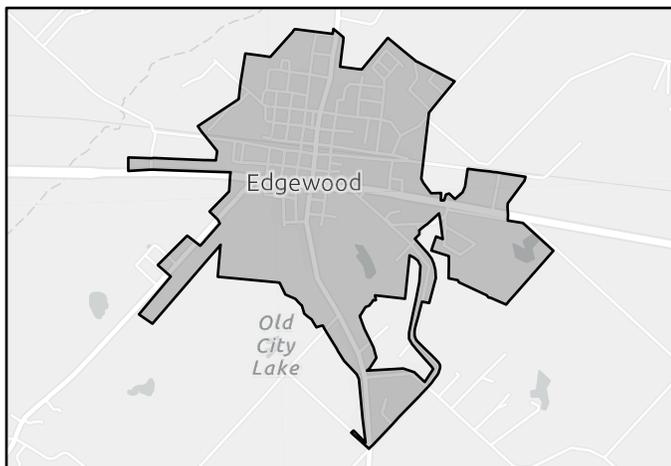
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FMS area



Regional view of FMS area

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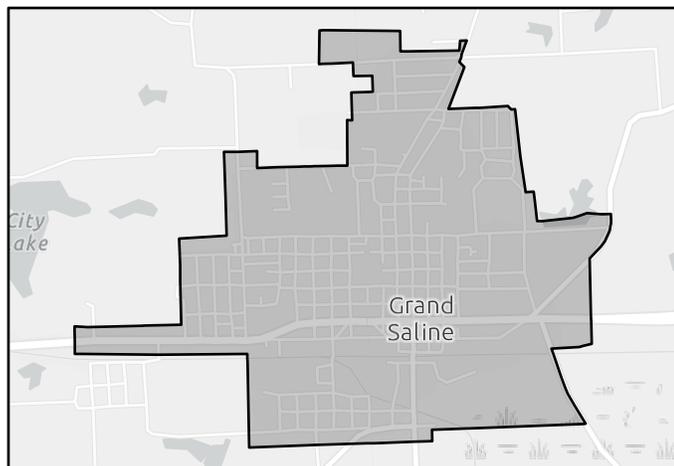
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Water supply contributions?  Water supply contribution description

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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



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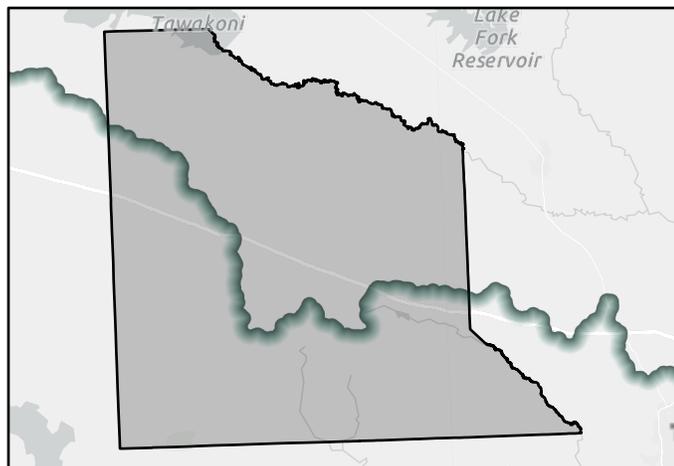
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Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



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## Strategy Details

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Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)

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County

Goal(s)

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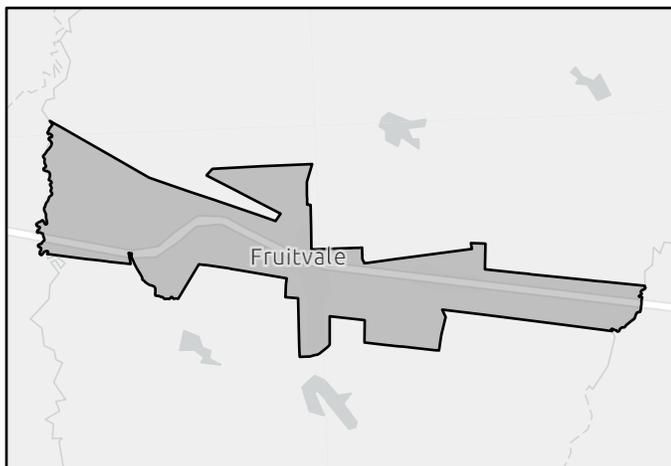
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

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Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

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ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)  Drainage area (mi<sup>2</sup>, est.)

County

Goal(s)

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Population at risk  # of structures  Critical facilities

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

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

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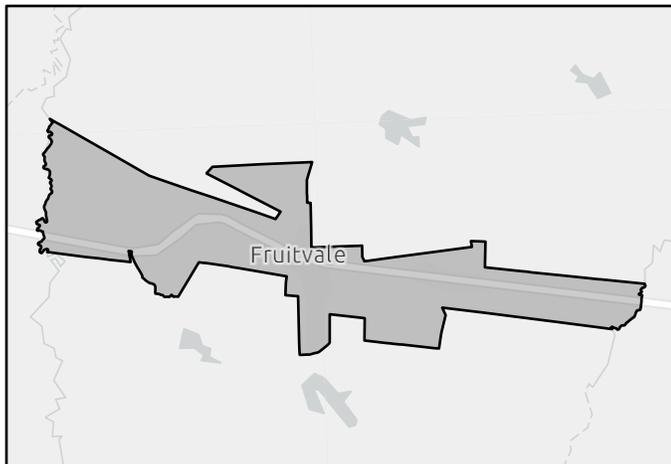
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)

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

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

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County

Goal(s)

## Existing 100-Year Flood Risk

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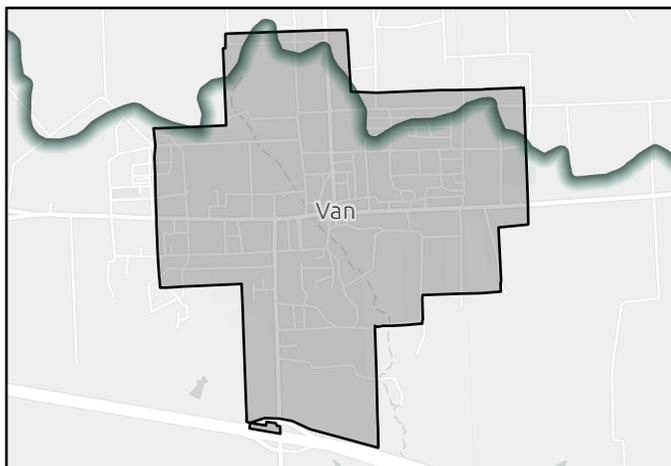
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

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Strategy description

Associated FMEs  Associated FMPs

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

Watershed HUC# (if known)  County

Goal(s)

## Existing 100-Year Flood Risk

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

Number of low water crossings  Historical road closures

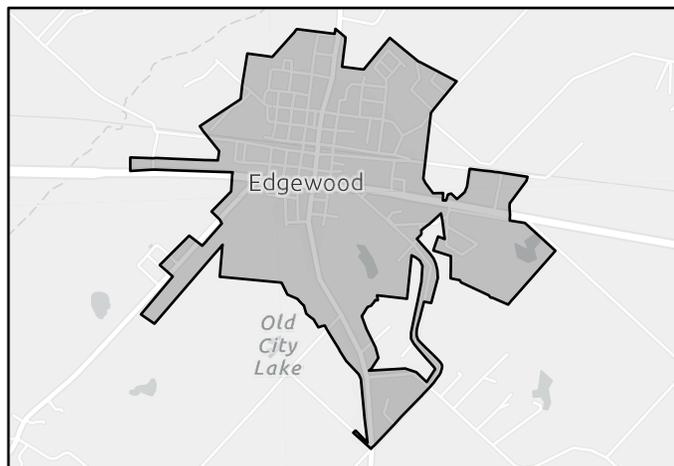
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)  Drainage area (mi<sup>2</sup>, est.)

County

Goal(s)

## Existing 100-Year Flood Risk

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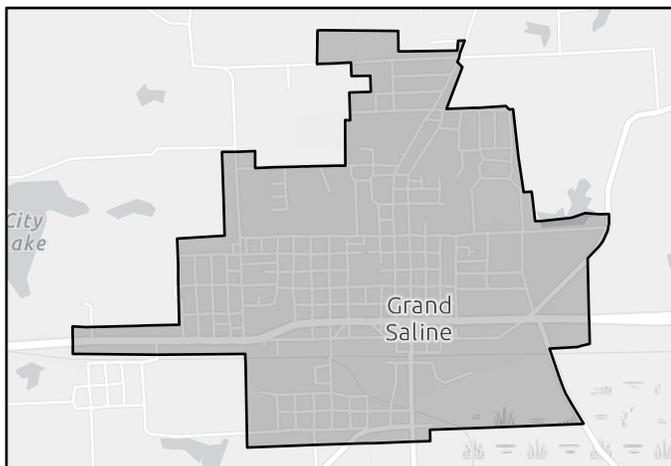
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

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

Watershed HUC# (if known)  County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

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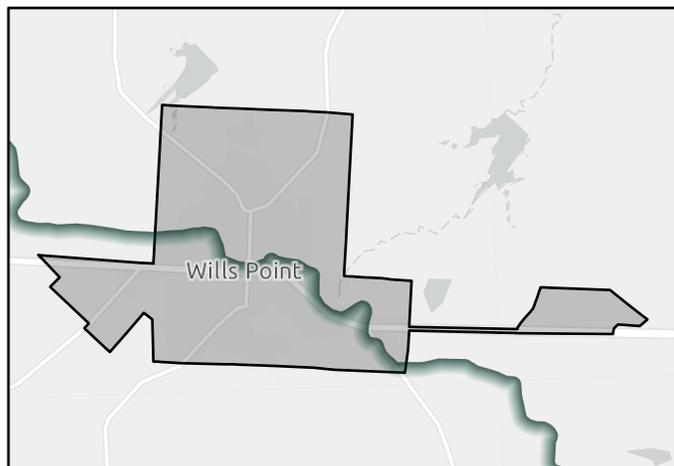
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)

REGION 4



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

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

Watershed HUC# (if known)  County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

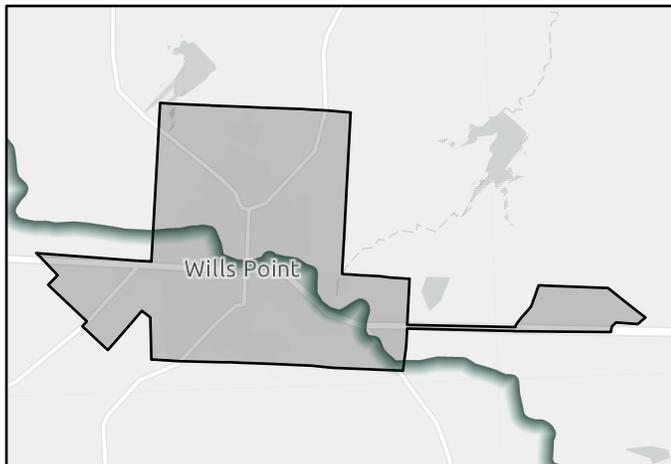
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FMEs  Associated FMPs

Associated FMSs

Watershed HUC# (if known)  Drainage area (mi<sup>2</sup>, est.)

County

Goal(s)

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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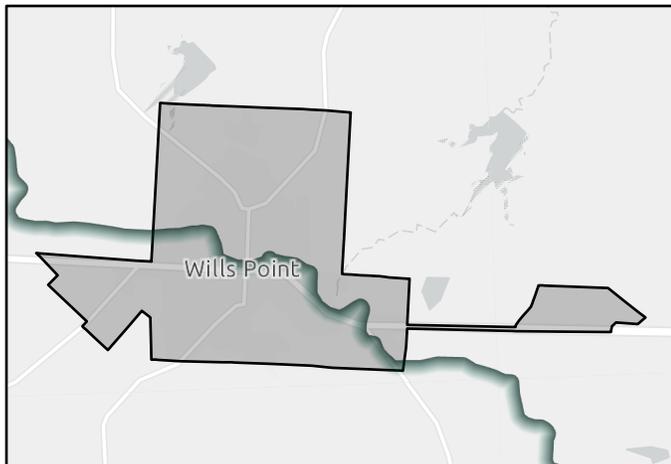
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



REGIONAL FLOOD PLANNING GROUP

Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type	Education and Outreach		
Strategy description	Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" Program.		
Associated FMEs	<input type="text" value="999999"/>	Associated FMPs	<input type="text" value="999999"/>
Associated FMSs	<input type="text" value="999999"/>	Drainage area (mi <sup>2</sup> , est.)	<input type="text" value="4"/>
Watershed HUC# (if known)	<input type="text" value="120100010501, 120100010502"/>		County
			<input type="text" value="Van Zandt"/>

Goal(s) Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.  
 Goal 2: Install warning signage at 100% of identified low water crossings in the floodplain and coordinate with TxDOT where applicable.

## Existing 100-Year Flood Risk

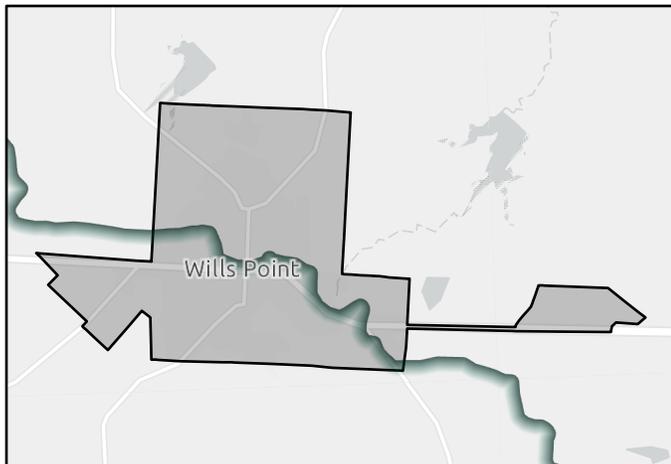
Population at risk	<input type="text" value="29"/>	# of structures	<input type="text" value="12"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="47"/>	Roadway(s) impacted (miles)	<input type="text" value="0"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="N/A"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="None"/>

## Estimated Cost

Strategy Cost	<input type="text" value="\$10,200"/>	Amount of available funding	<input type="text" value="\$0"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

**APPENDIX 5-D  
PROJECT DETAILS**

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FMP	Score 4: Flood Damage Reduction					Score 5: Critical Facilities Damage Reduction				Score 6: Life and Safety				Score 7: Water Supply						
	# of Structures with Reduced 1% Annual Chance Flood Risk	Pre-Project Damage \$	Post-Project Damage \$	Notes 4	Flood Damage Reduction	Score 4	# of Critical Facilities Removed from 1% Annual Chance FP	Notes 5	Reduction in Critical Facilities Flood Risk	Score 5	Adjusted Injury Risk (%)	Notes 6	Life and Safety Ranking (Injury/Loss of Life)	Score 6	Water Supply Benefit in Acre-Feet	SourceID	WMS_ID	Notes 7	Water Supply Yield Ranking	Score 7
043000017							9	Reduced risk for <10% of critical facilities in floodplain	1	27.5		Life/injury risk percentage >30%	6	NA					No impact on water supply	0
043000018					Flood damage reduction < 25%	2	0	Reduced risk for 0 structures in floodplain	0	80.5		Life/injury risk percentage >50%	10	NA					No impact on water supply	0

FMP	Score 8: Social Vulnerability				Score 9: Nature-Based Solution				Score 10: Multiple Benefits				Score 11: O&M			
	SVI Score	Notes 8	Social Vulnerability Ranking	Score 8	% Nature Based Solution by Cost	Notes 9	Nature-Based Solutions Ranking	Score 9	Multiple Benefits Description	Notes 10	Multiple Benefit Ranking	Score 10	O&M Cost (Annual)	Notes 11	Operations and Maintenance Ranking	Score 11
043000017	0.80566		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1	Environmental		Project delivers benefits in 2 wider benefit categories	4	195000		Project will require ongoing operation and maintenance outside of the owner's regular maintenance practices; long term O&M requirements are undefined; and/or high annual O&M cost > 1% of project (high);	4
043000018	0.962		SVI between 0.75-1.00 (high vulnerability)	10	0		<25% of the project cost is nature-based	1			Project does not deliver any wider benefits	0	0		Project requires regular, ongoing operation and maintenance; and/or O&M requirements are well defined (Regular);	7

FMP	Score 12: Admin, Regulatory Obstacles			Score 13: Environmental Benefit			Score 14: Environmental Impact			Score 15: Mobility			
	Notes 12	Administrative, Regulatory and Other Obstacle Ranking	Score 12	Notes 13	Environmental Benefit Ranking	Score 13	Notes 14	Environmental Impact Ranking	Score 14	Traffic Count for LWC Project	Notes 15	Mobility Ranking	Score 15
043000017		Project has a high number of administrative, regulatory and limitations / requirements	2		Project will deliver a high level of environmental benefits (4+ categories)	10		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4
043000018		Project has few administrative, regulatory and implementation limitations / requirements	10		Project will deliver a low level of environmental benefits (1 category)	3		Project has no adverse environmental impacts	10			Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4

Score 16: Regional			
FMP	Project Count	Regional Ranking	Score 16
043000017	2	Project region has recommended <10% of total projects	10
043000018	2	Project region has recommended <10% of total projects	10