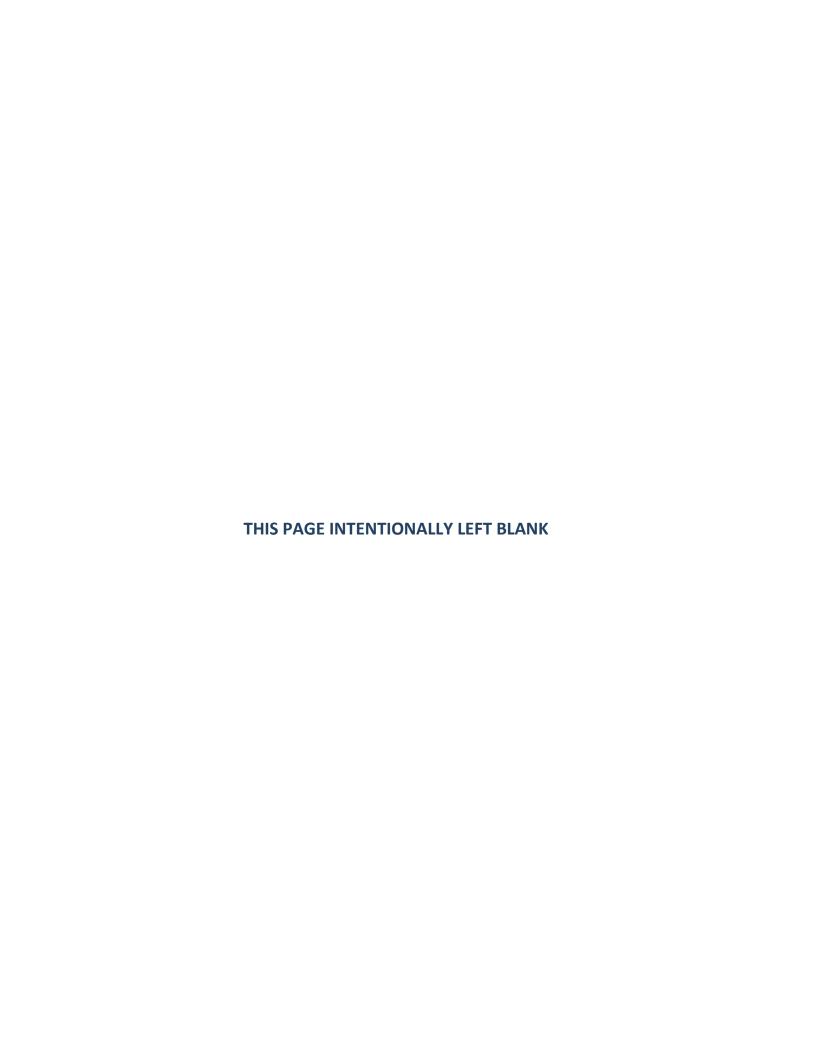
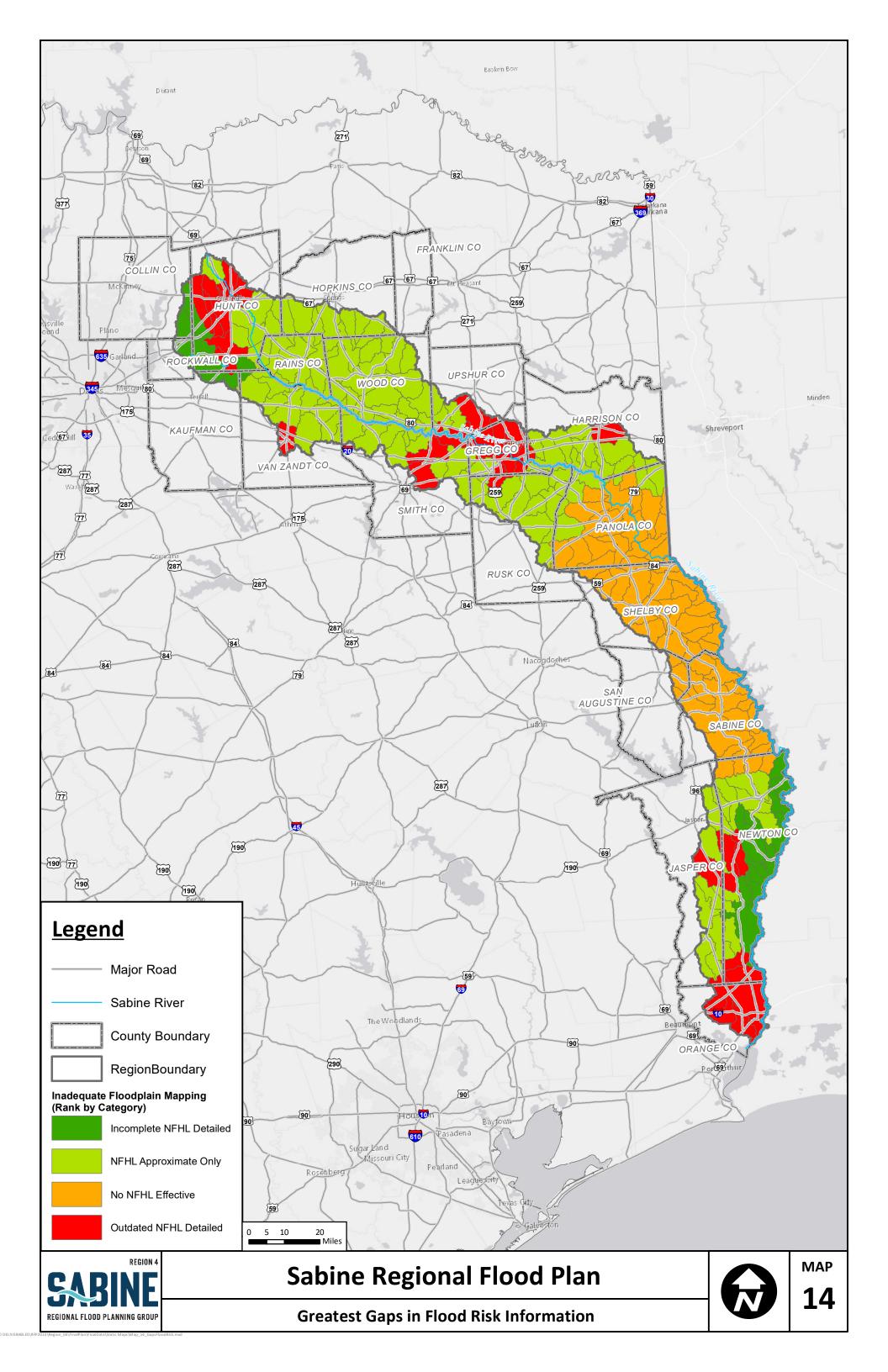
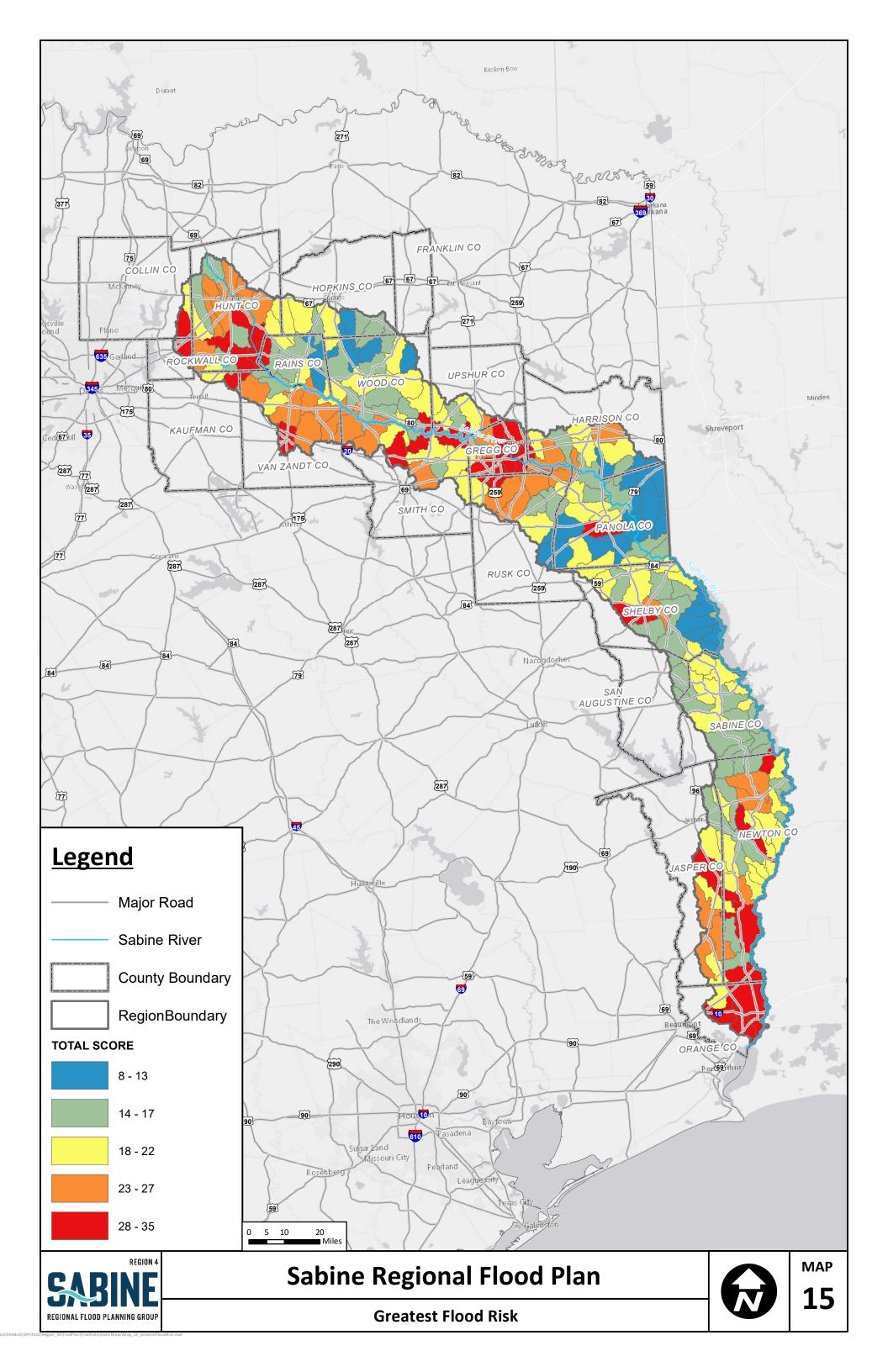
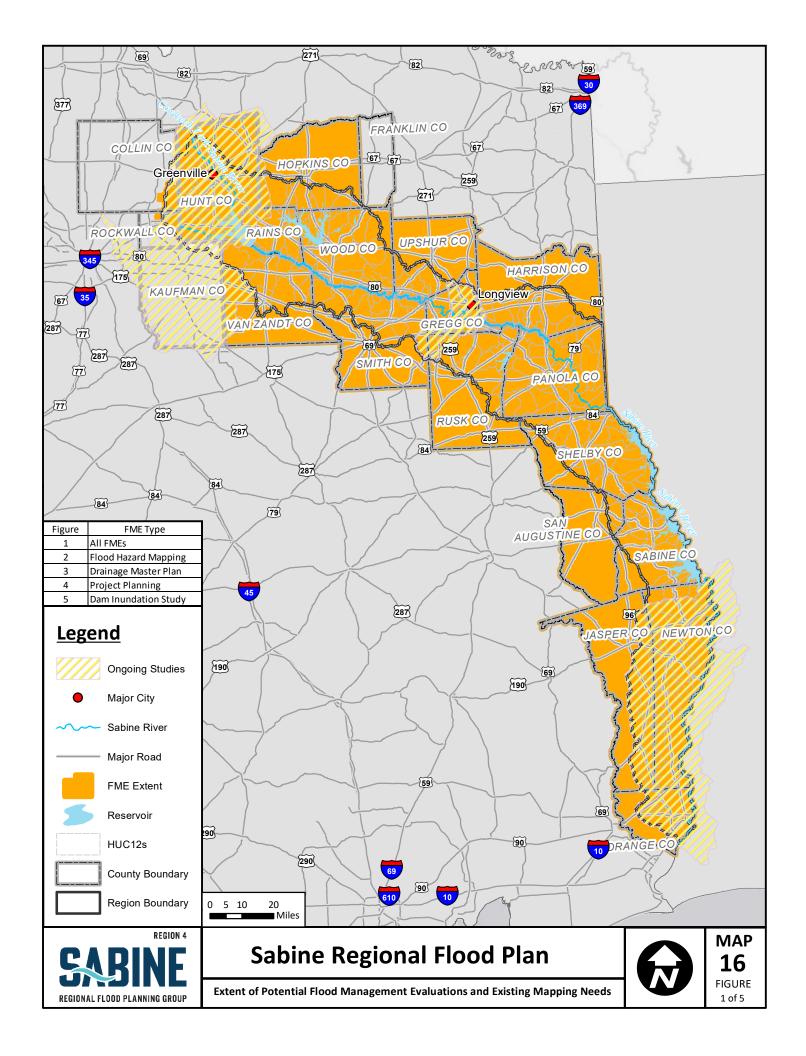
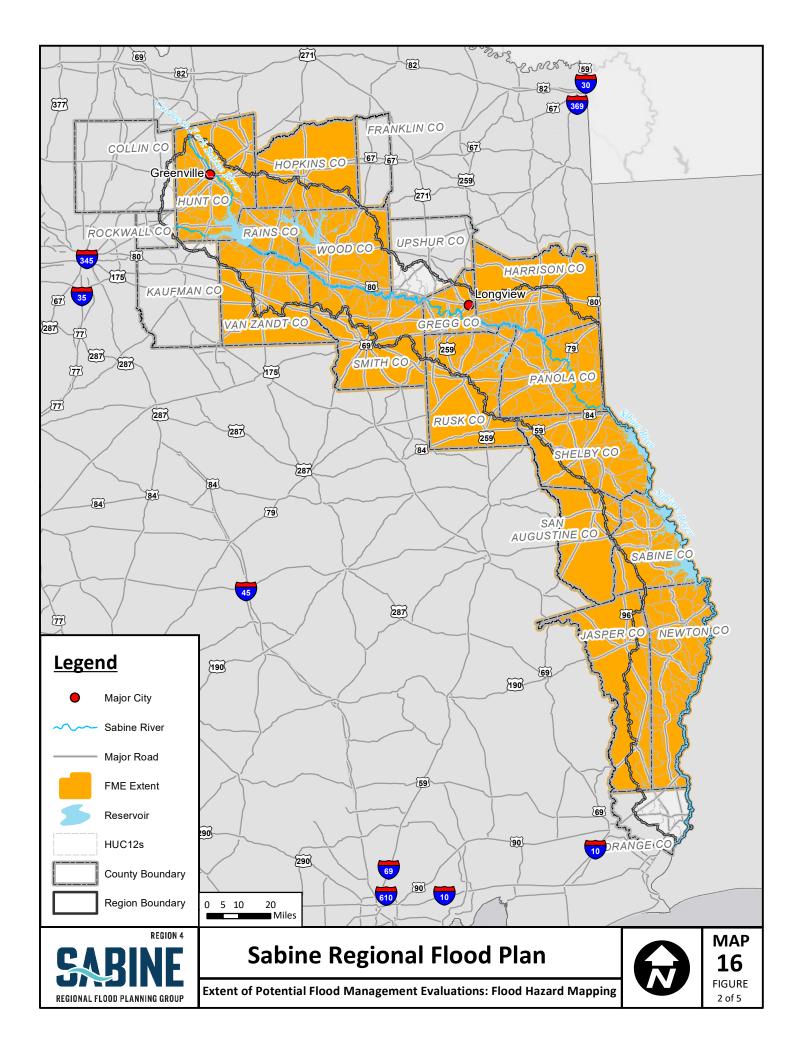
# APPENDIX 4-A SUPPORTING MAPS FOR CHAPTER 4

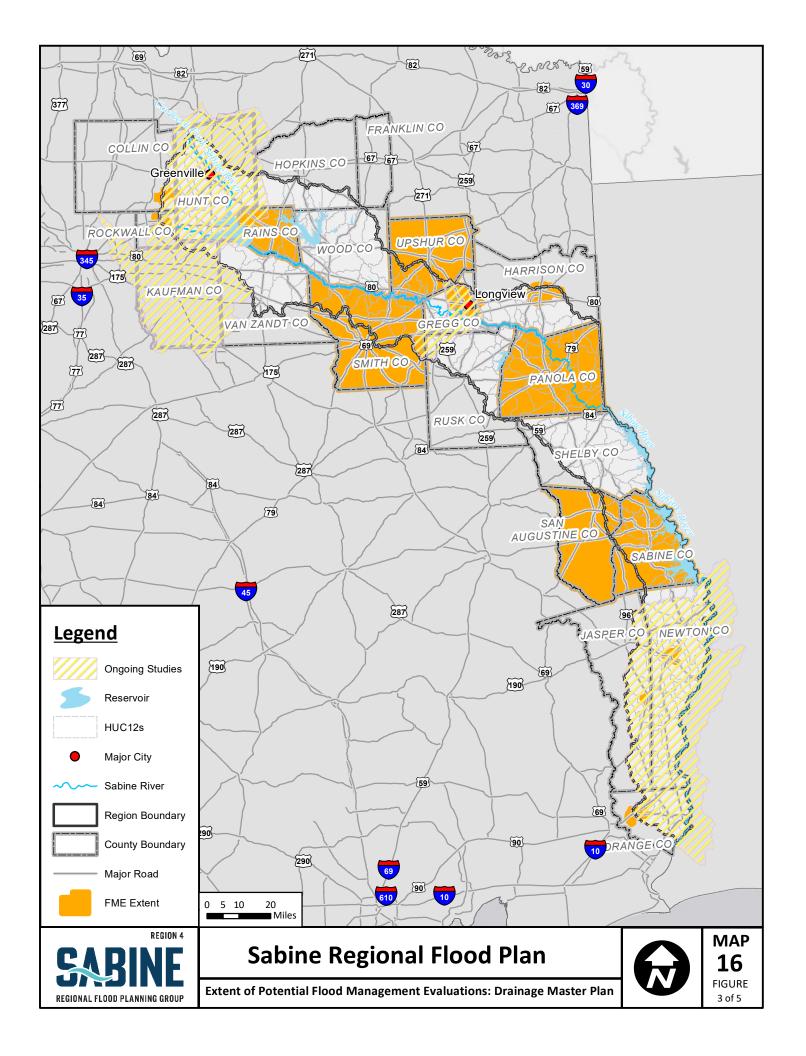


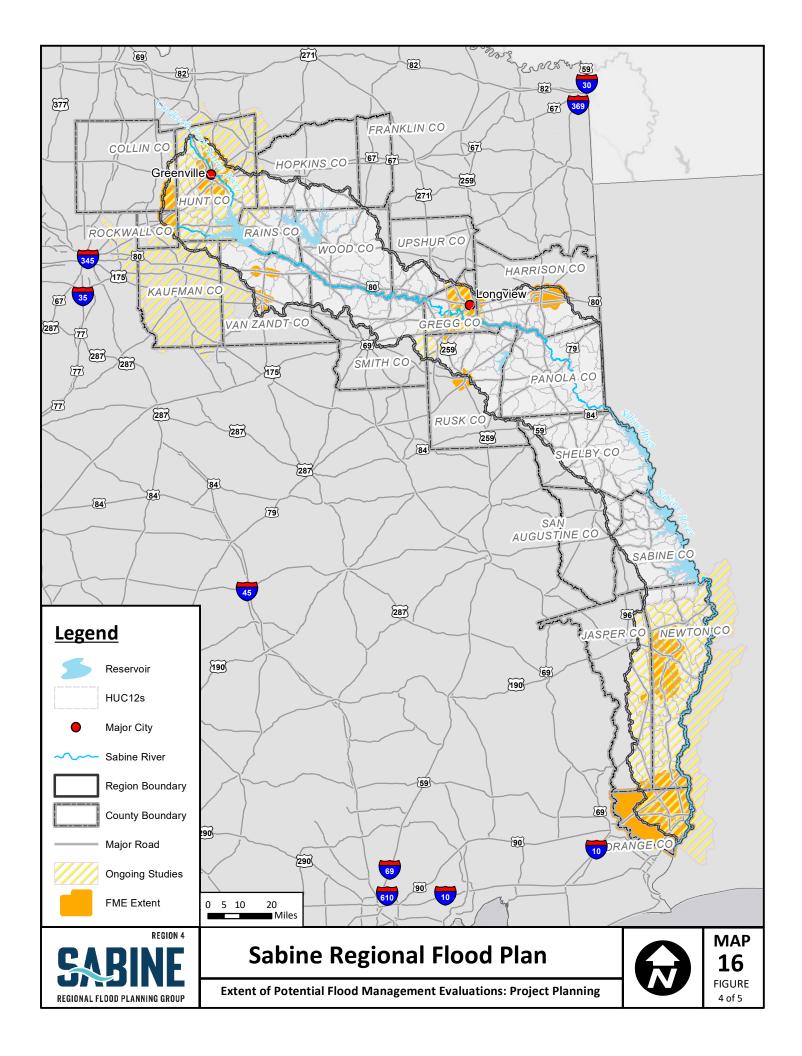


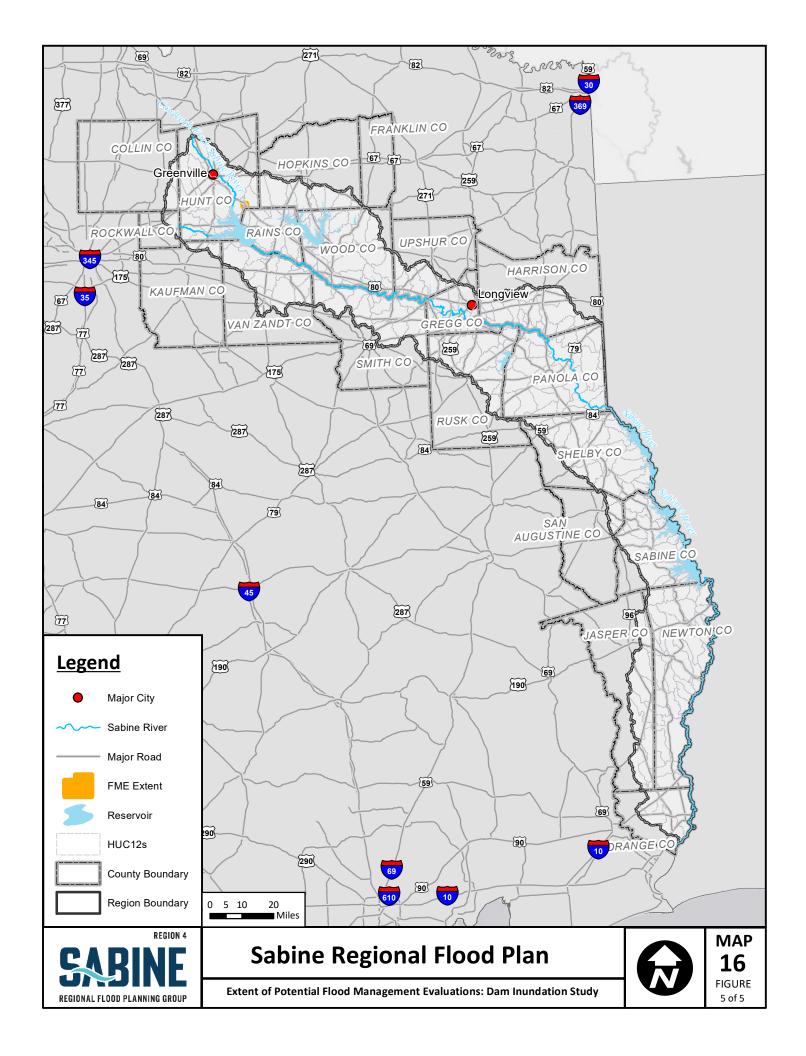


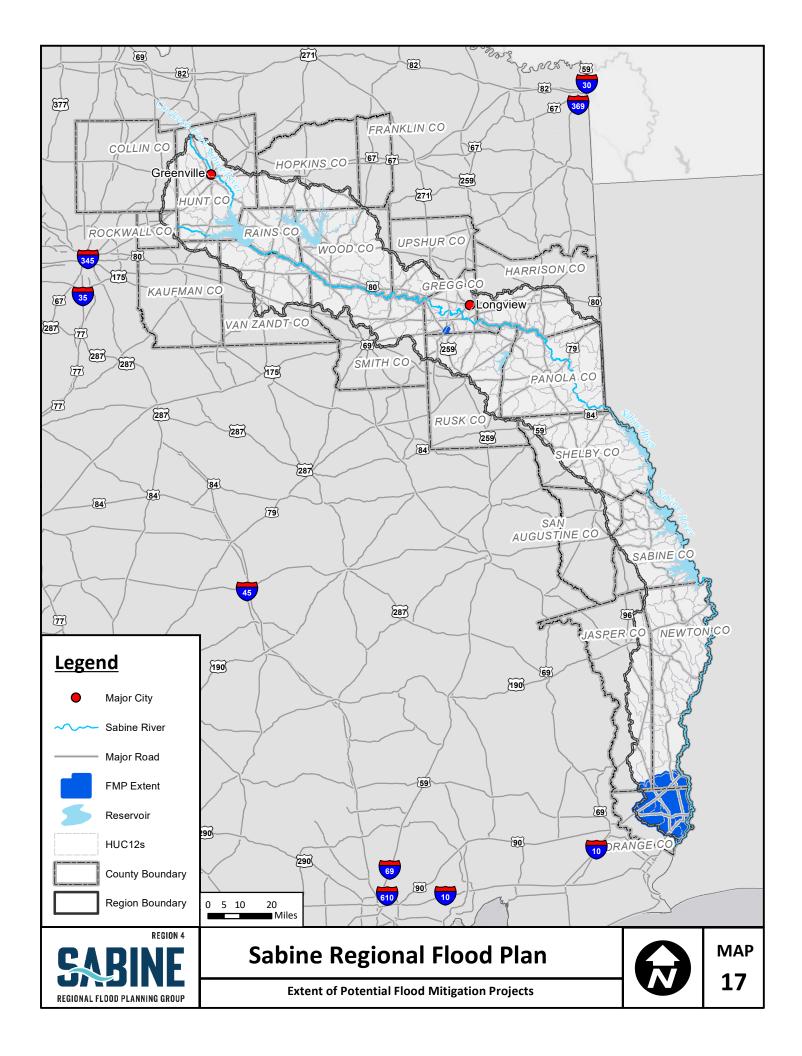


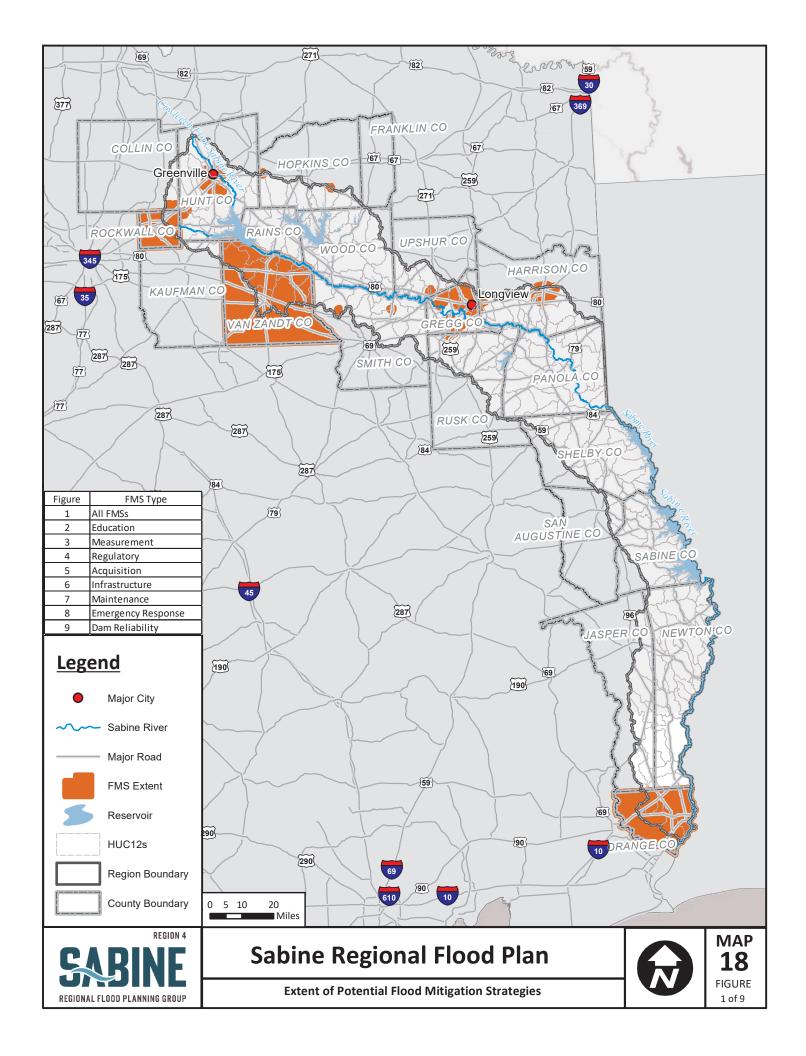


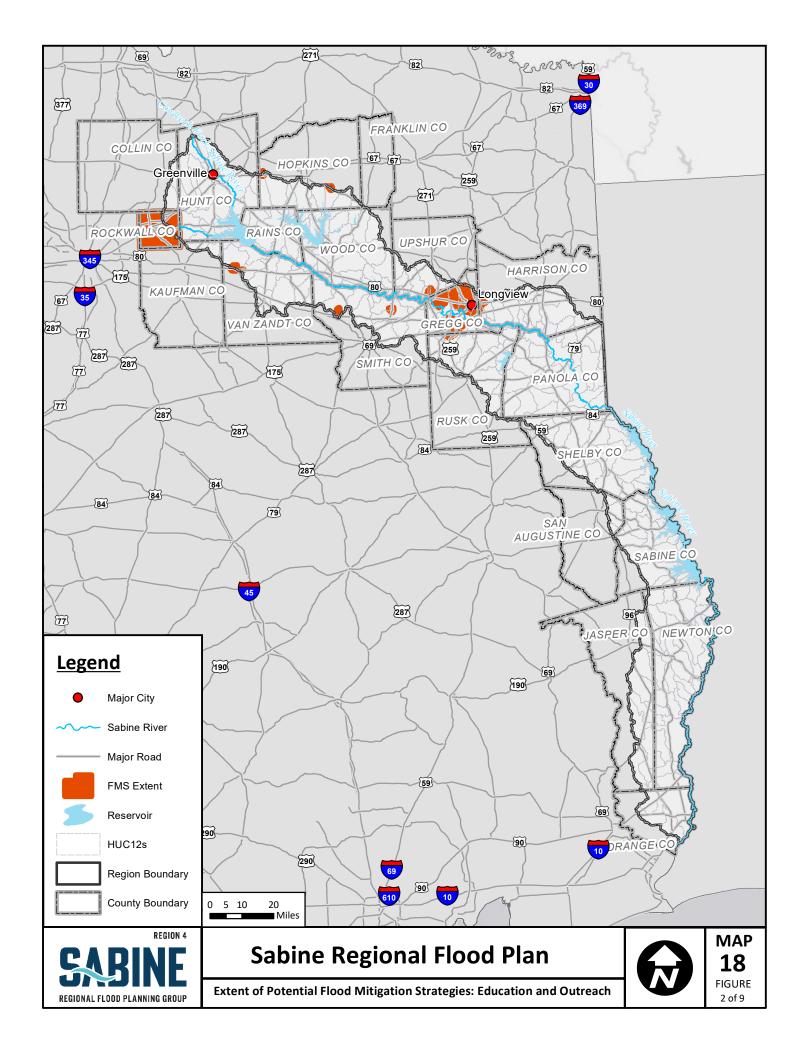


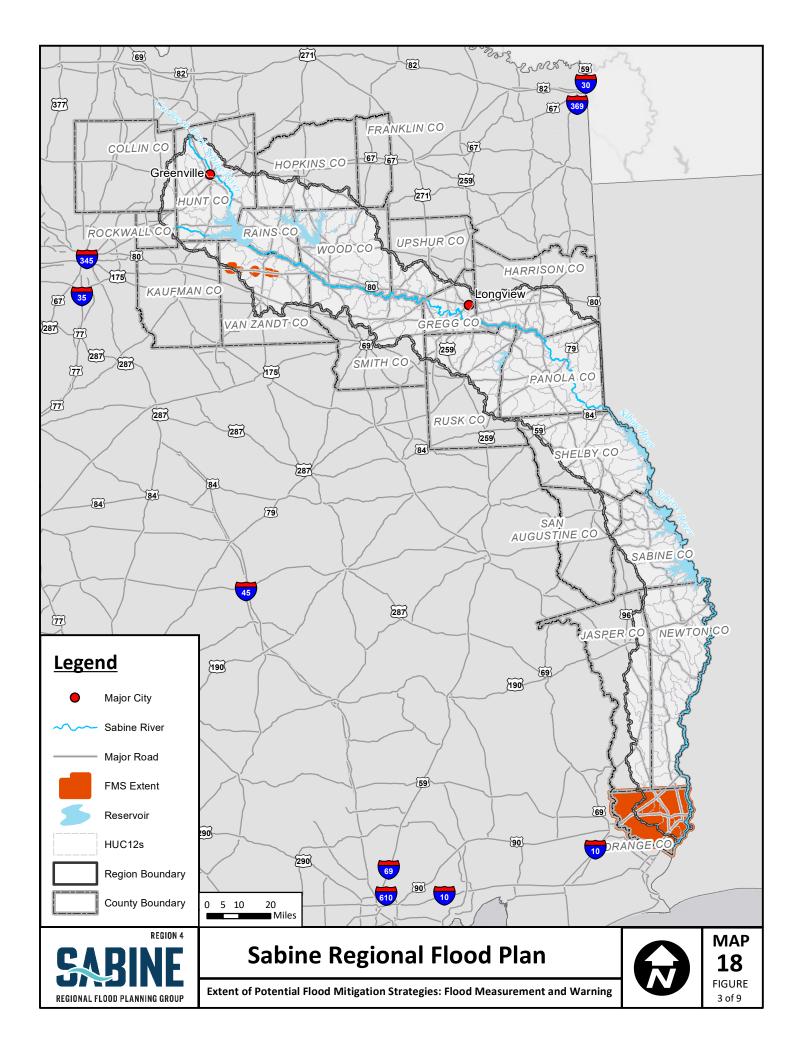


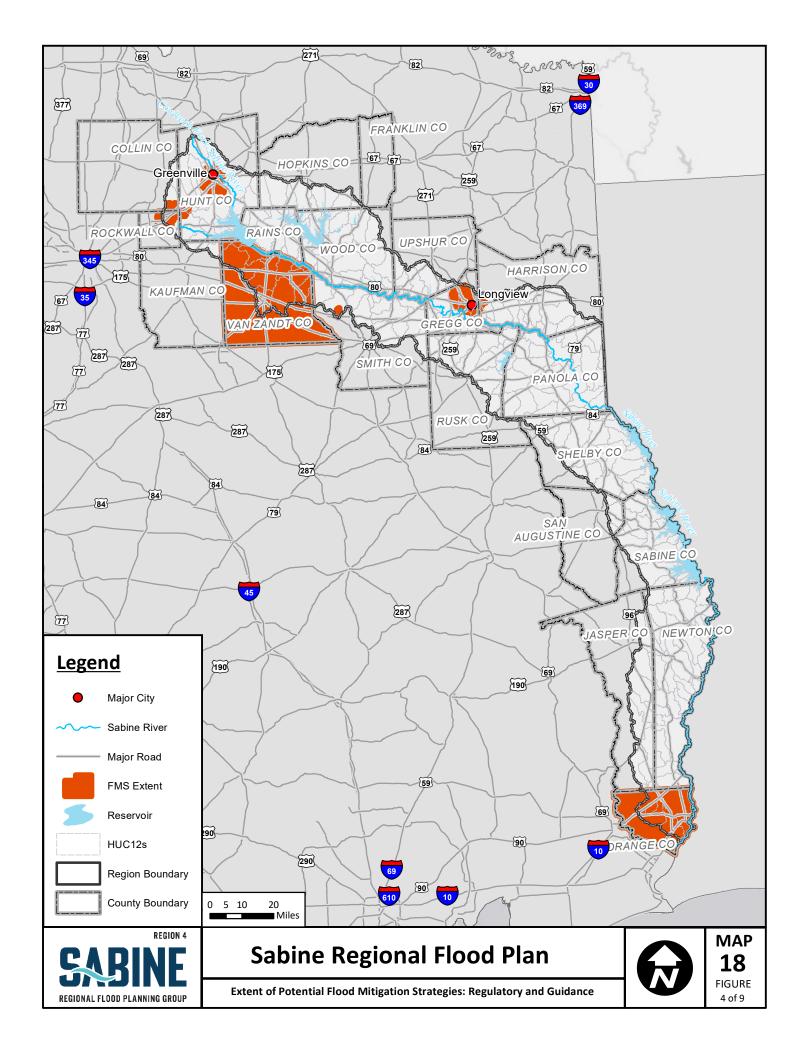


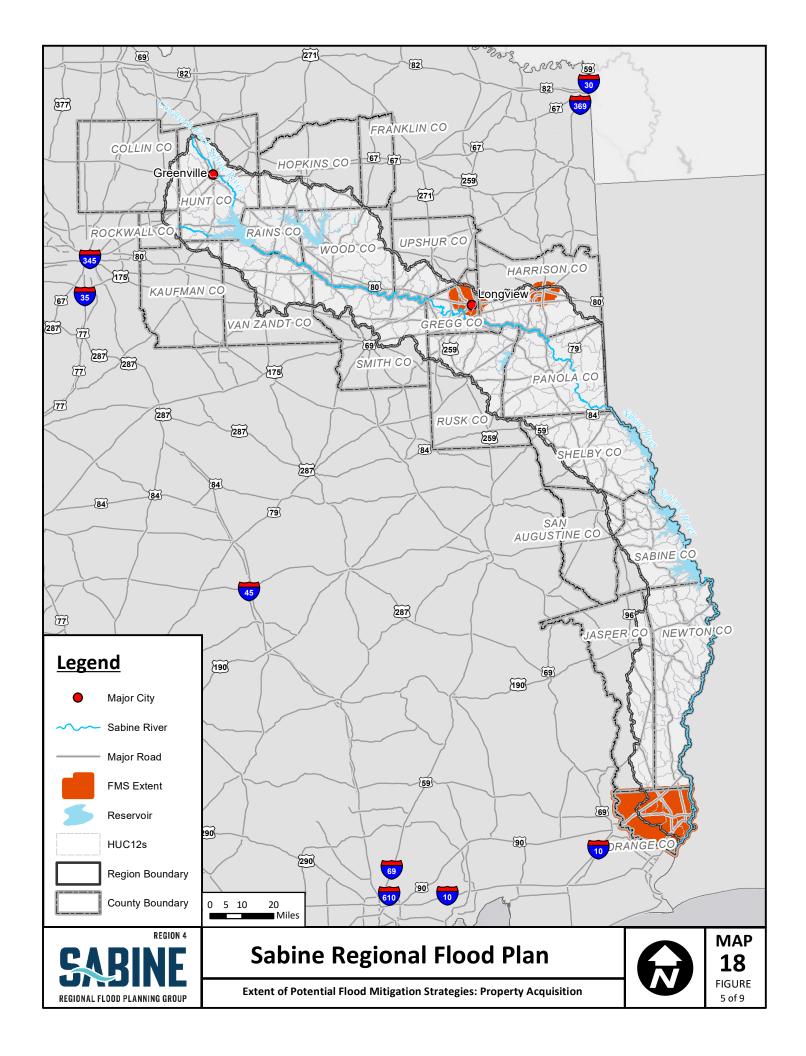


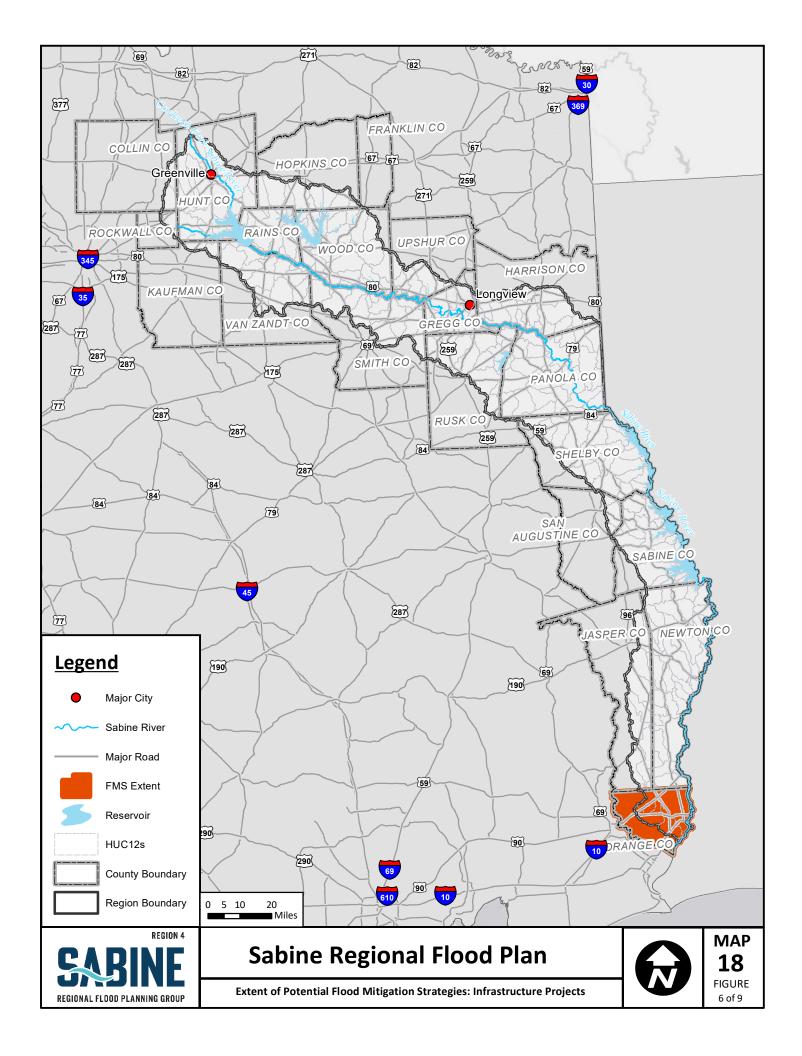


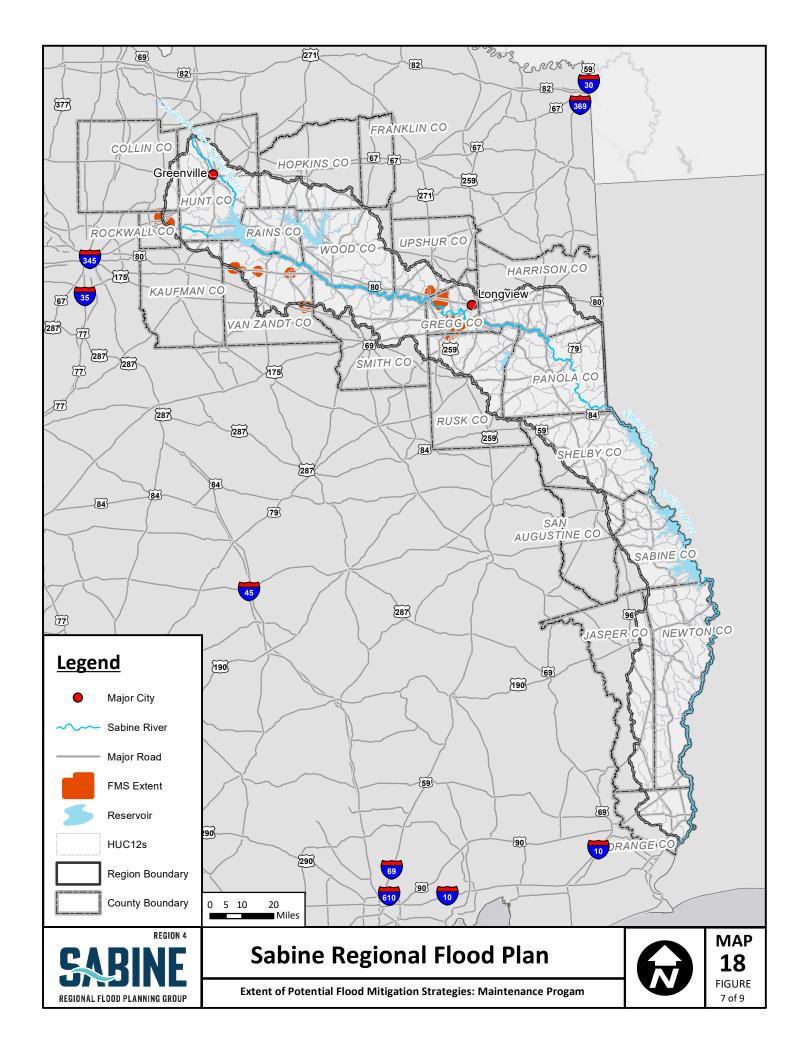


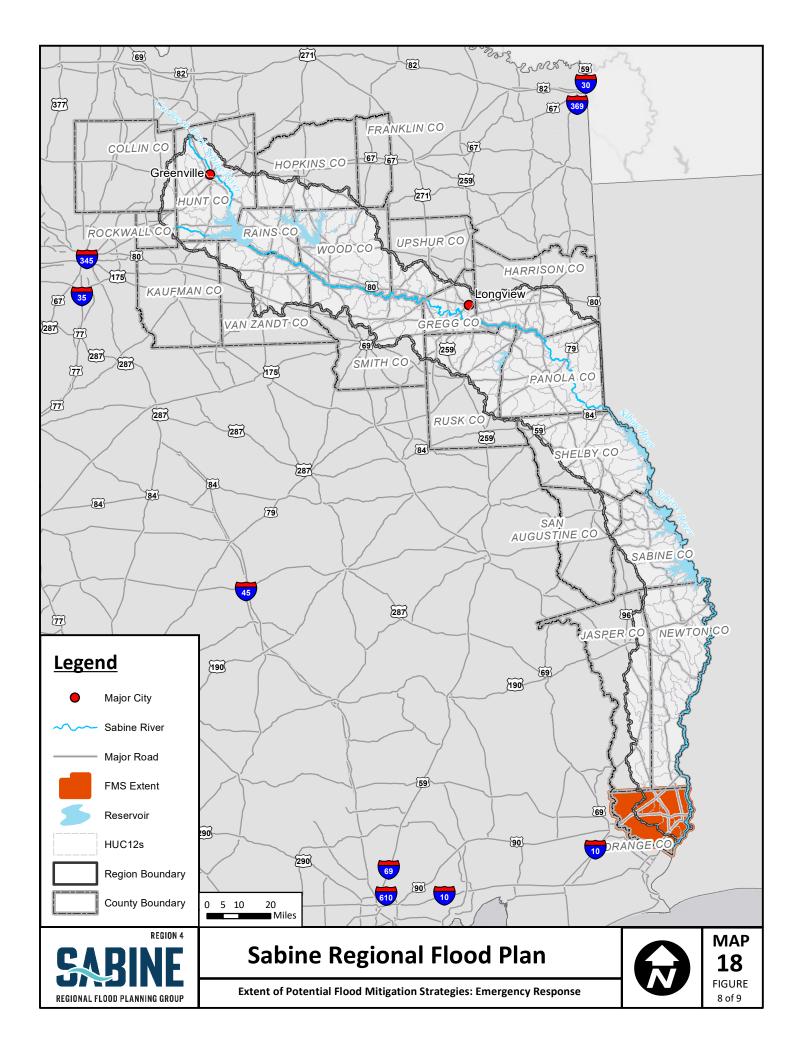


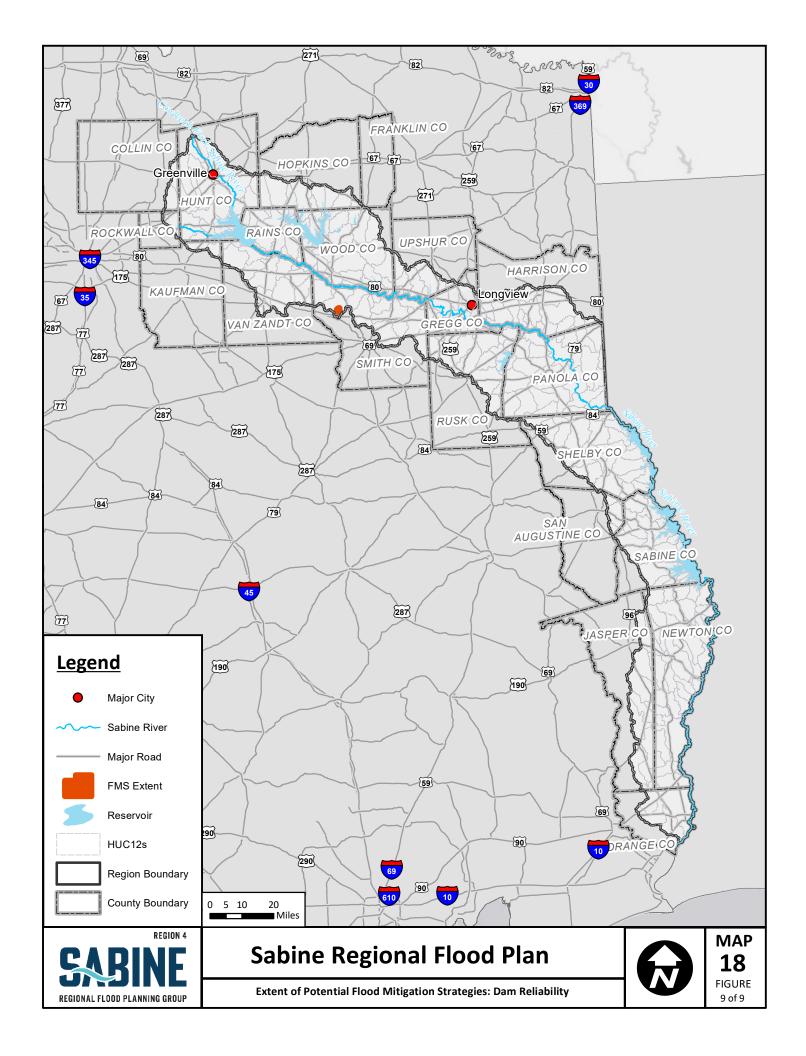




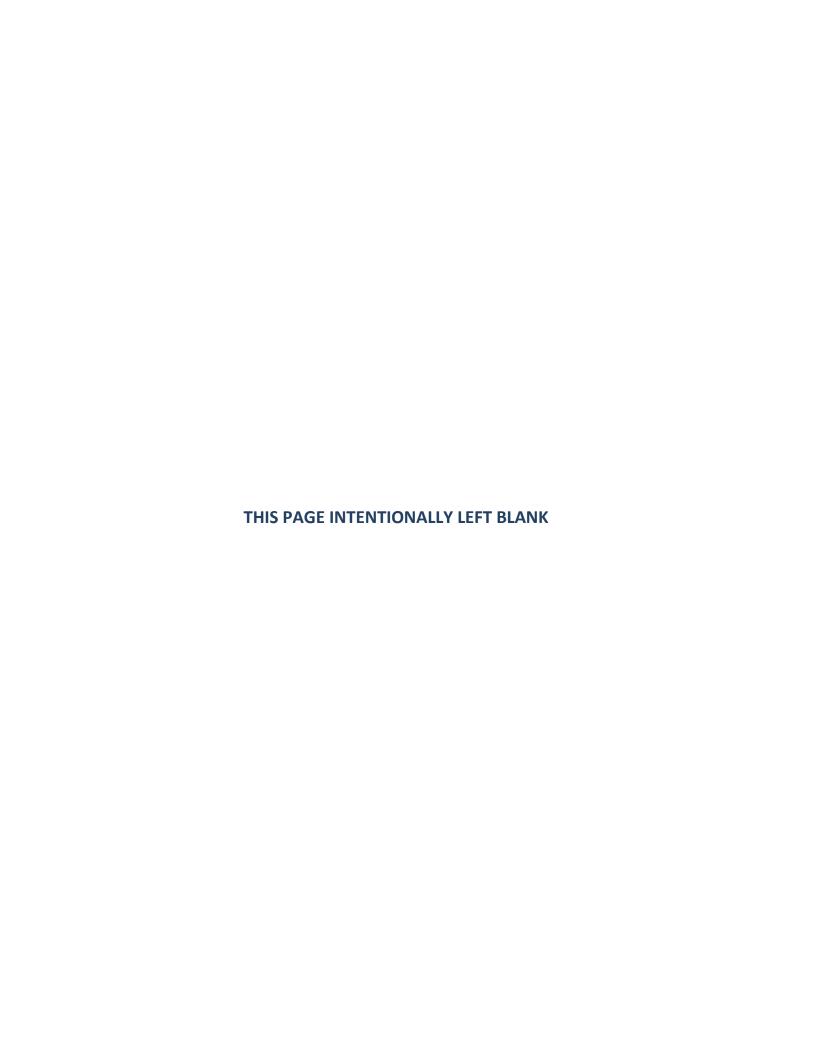








# APPENDIX 4-B SUPPORTING TABLES FOR CHAPTER 4



## Table 12: Potential Flood Management Evaluations Identified by RFPG

									Tabi	le 12: Potential Fl	ood Managem	ent Evaluations	s 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	Funding Sources and	Estimated number of structures at flood risk	structures at	Estimated Population at flood risk	facilities at	Number of low water crossings at flood risk (#)	number of		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, 120100020501, 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, 120100010504, 120100010601, 120100010507, 120100010603, 120100010605, 120100010607, 120100010605, 120100010607, 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, 120100040702, 120100040901, 120100040902, 120100041005, 120100041104, 120100041002, 120100041002, 120100041106, 120100041105, 120100041105, 1201000411010, 120100041105, 120100041101, 120100041101, 120100041101, 120100041101	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, 12010004702, 120100040702, 120100040901, 120100040902, 120100041005, 120100041104, 120100041002, 120100041106, 120100041105, 120100041105, 120100041105, 120100041105, 120100041105, 120100041105, 120100041101, 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	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	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	number of structures at	Habitable structures at flood risk		Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	number of	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, 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, 120100020502, 120100020502, 120100020503, 120100020604, 120100020605, 120100020606, 120100020608, 120100020601, 120100020803, 120100020801, 120100020803, 120100020801, 120100020804, 120100020803, 120100020803, 120100020803, 120100020803, 120100020803, 120100020804, 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, 120100030107, 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		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	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		120100020201, 120100030101, 120100030102, 120100030103, 120100030107, 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	Funding Sources and	Estimated number of structures at flood risk	Habitable E structures at P flood risk at		Critical facilities at lood risk (#)	Number of low water crossings at flood risk (#)		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)
041000024	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	
041000025	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	
041000026	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	
041000027	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	
041000028	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	
041000029	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	
041000030	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	
041000031	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	0400007	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	
041000032	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,	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	
041000033	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	
041000034	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	
041000035	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	
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	Kilgore	Kilgore	Yes	\$400,000	Yes	296	224	1,284	3	3	3	15	96	BLE, 2022	
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	27	24	629	0	0	0	0	15	BLE, 2022	
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	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	Funding Sources and	Estimated number of structures at flood risk	Habitable Est structures at Pop flood risk at fl	oulation fac	od risk (#)		Estimated number of oad 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	2,707	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
041000042	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	2 4	Sabine	Conceptual Design of	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	9,689	306	15	15	240	9,260	BLE, 2022
041000043	3 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	6,257	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	9,689	306	15	15	240	9,260	BLE, 2022
041000045	5 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	6,257	7	7	7	156	9,437	BLE, 2022
041000046	i 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	4,427	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	Funding	Estimated number of structures at flood risk	Habitable structures at flood risk		Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)		Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
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	16,974	14040	44,427	276	22	22	364	17,171	BLE, 2022	
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	295	220	828	0	12	12	18	4,104	BLE, 2022	
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	260	132	294	17	5	5	19	892	BLE, 2022	
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	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	
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	West Orange	West Orange	Yes	\$350,000	Yes	1,143	1007	2,990	0	0	0	20	30	BLE, 2022	
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	10,571	8463	29,689	306	15	15	240	9,260	BLE, 2022	
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	7,655	6390	16,257	7	7	7	156	9,437	BLE, 2022	
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	7,655	6390	16,257	7	7	7	156	9,437	BLE, 2022	
041000055	4	Sabine	North Airport Retention Pond	Feasibility Study of North Airport Retention Pond	04000007	Hunt	12010001	120100010102, 120100010103	Upper Sabine	Project Planning	80	Riverine	Greenvile	Greenvile	Yes	\$640,000	Yes	489	310	2,472	3	0	0	29	5,957	BLE, 2022	
041000056	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	
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	2,444	2143	5,198	0	1	1	55	3,308	BLE, 2022	
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	2,182	1544	11,464	26	1	1	86	1	BLE, 2022	
041000059	4	Sabine		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, 120100010406, 120100010406, 120100010406, 120100030101, 120100030101, 120100030101	Upper Sabine, Lake Fork	e Watershed Planning	879	Riverine	Hunt	Hunt	Yes	\$4,000,000	Yes	2,297	1325	5,968	45	10	10	137	6	BLE, 2022	
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, 120100050604, 120100050605, 120100050607, 120100050608, 120100050801, 120100050801, 120100050804, 120100050901, 120100050902, 120100050905, 120100051001, 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	
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	7,655	6390	16,257	7	7	7	156	9,437	BLE, 2024	
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	7,655	6390	16,257	7	7	7	156	9,437	BLE, 2025	
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	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
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.		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
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	No \$0

### **JANUARY 2023**

					Flood Risk										Reduction in Floor	d Risk					
FMP ID	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 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		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 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

### **JANUARY 2023**

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

				Table 14: Potentially Feasible Flood Management	our aregies raei	,						
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	0400009, 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, 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.	0400009, 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

											Flood Risk					
FMS ID	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Total Project Cost (\$)	Potential Funding Sources and Amount	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 (#)	or roads at nood	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

						Reduction in	Flood Risk										
FMS ID	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	removed from	Number of low water crossings removed from 100yr Flood risk (#)		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)	Cost/ Structure removed	Consideration of Nature based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
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.	0400009 <i>,</i> 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

									Flood Risk							
FMS ID	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Total Project Cost (\$)	Potential Funding Sources and Amount	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		Number of low water crossings at flood risk (#)		of roads at flood	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

	Reduction in Flood Risk																
FMS ID	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	Tellioved Irolli	Number of low water crossings removed from 100yr Flood risk (#)	in road clocuro	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)	Cost/ Structure removed	Consideration of Nature based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
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
042000035	4	Sabine	City of Longview Flood Mitigation Training Program	Seek state and FEMA sponsored training in flood mitigation for key personnel.	0400009, 04000018	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Regulatory and Guidance	56	Riverine
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	56	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	56	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	56	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	56	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	56	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	Riverine
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	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	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	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	2	Riverine
042000047	4	Sabine	City of Royse City Floodplain Management Ordinances	Update Flood Prevention ordinance, adopting a "no-rise" in Base Flood Elevation in the 100-year floodplain.	0400009, 04000018	Rockwall, Collin, Hunt	12010001	120100010202, 120100010301, 120100010302	Upper Sabine	Regulatory and Guidance	18	Riverine
042000048	4	Sabine	City of Royse City "StormReady" Program	Achieve certification by the National Weather Service as a "StormReady" Community.	0400009, 04000018	Rockwall, Collin, Hunt	12010001	120100010202, 120100010301, 120100010302	Upper Sabine	Regulatory and Guidance	18	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	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	1	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	1	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	30	Riverine

											Flood Risk					
FMS ID	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Total Project Cost (\$)	Potential Funding Sources and Amount	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		Number of low water crossings at flood risk (#)			
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

						Reduction in	Flood Risk										
FMS ID	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	Tellioved from	Number of low water crossings removed from 100yr Flood risk (#)	to accept also con-	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)	Cost/ Structure removed	Consideration of Nature based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
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

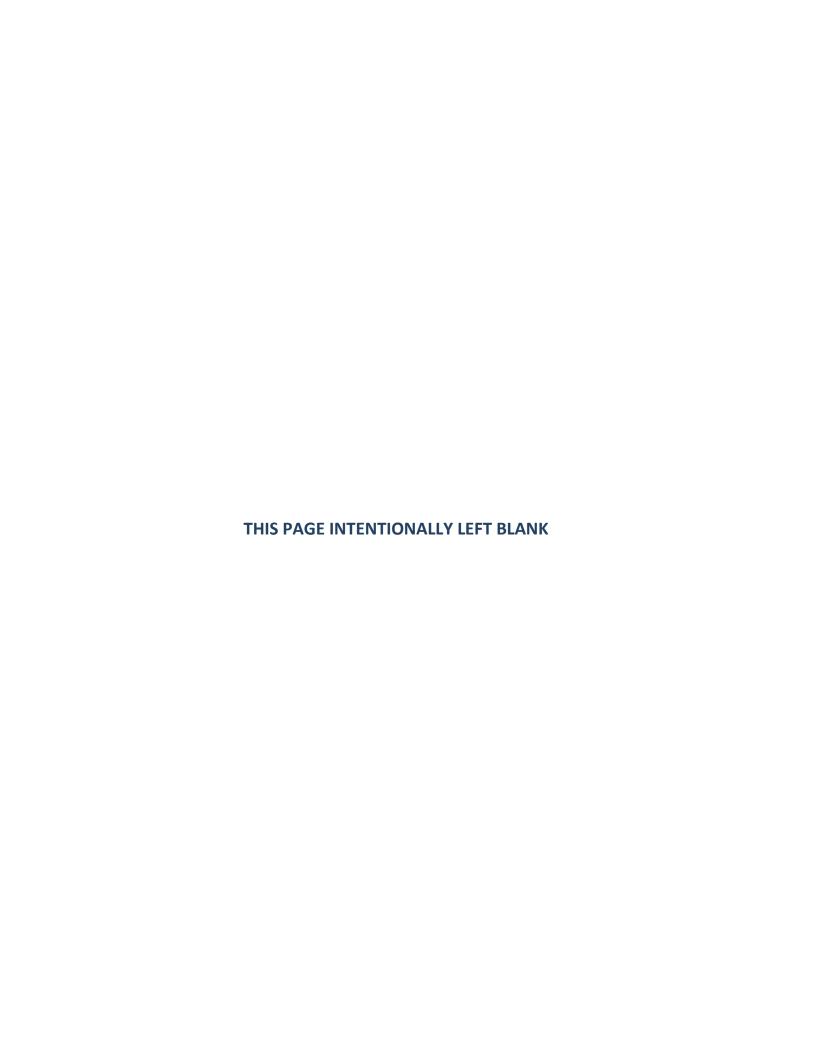
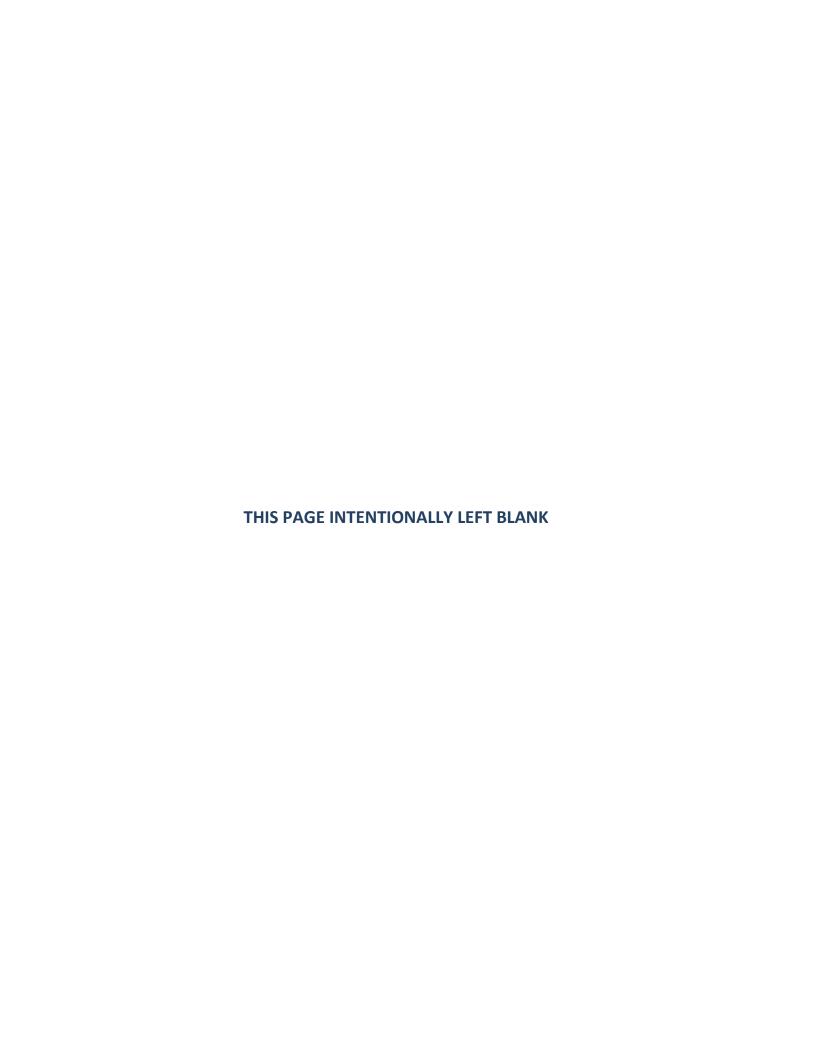


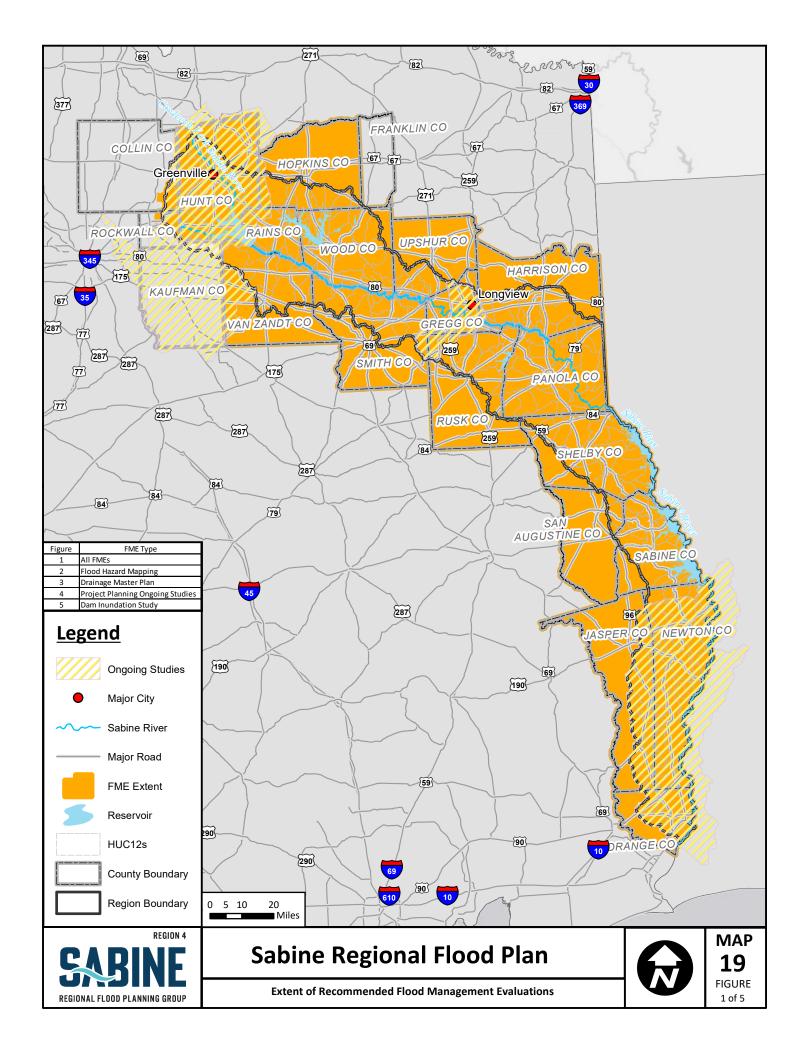
Table 4C-1: Infeasible FMSs and FMPs

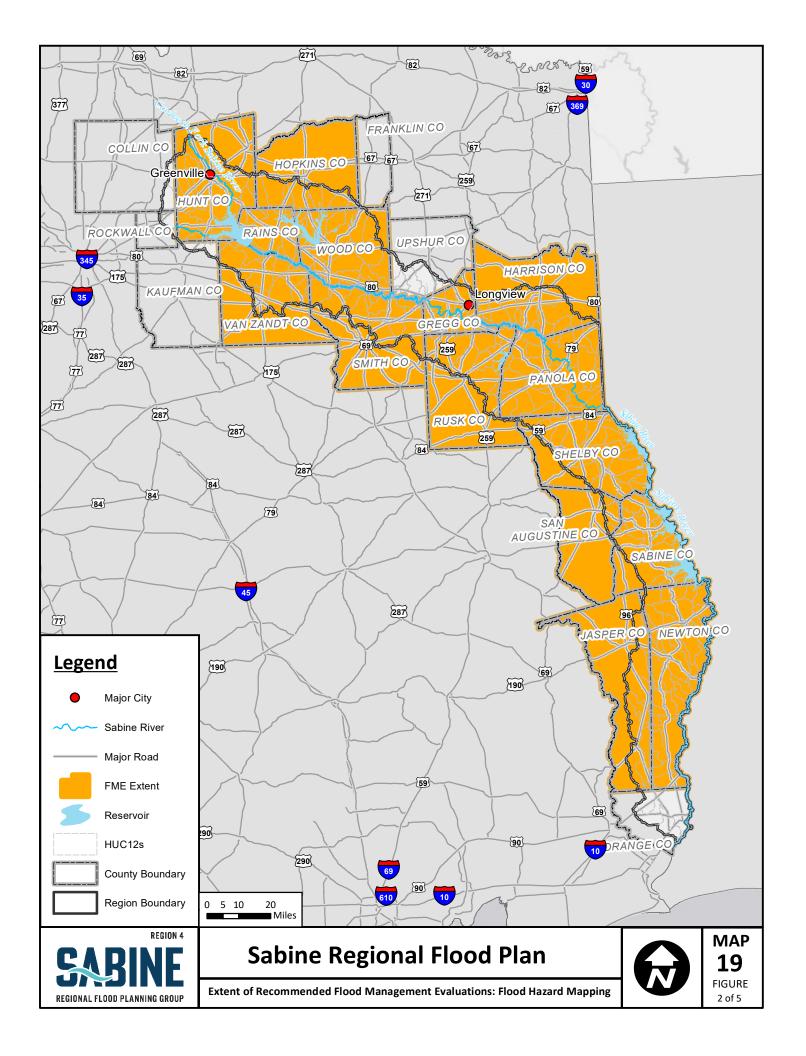
Flood Mitigation Action Name	Description	Entity	Estimated Project Cost (\$)	Reason Action Infeasible
City of Fate Action #12	Purchase NOAA weather radios for early warning and place in critical infrastructures within the city.	Fate	\$500	Action does not demonstrate benefits at a scale appropriate for 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

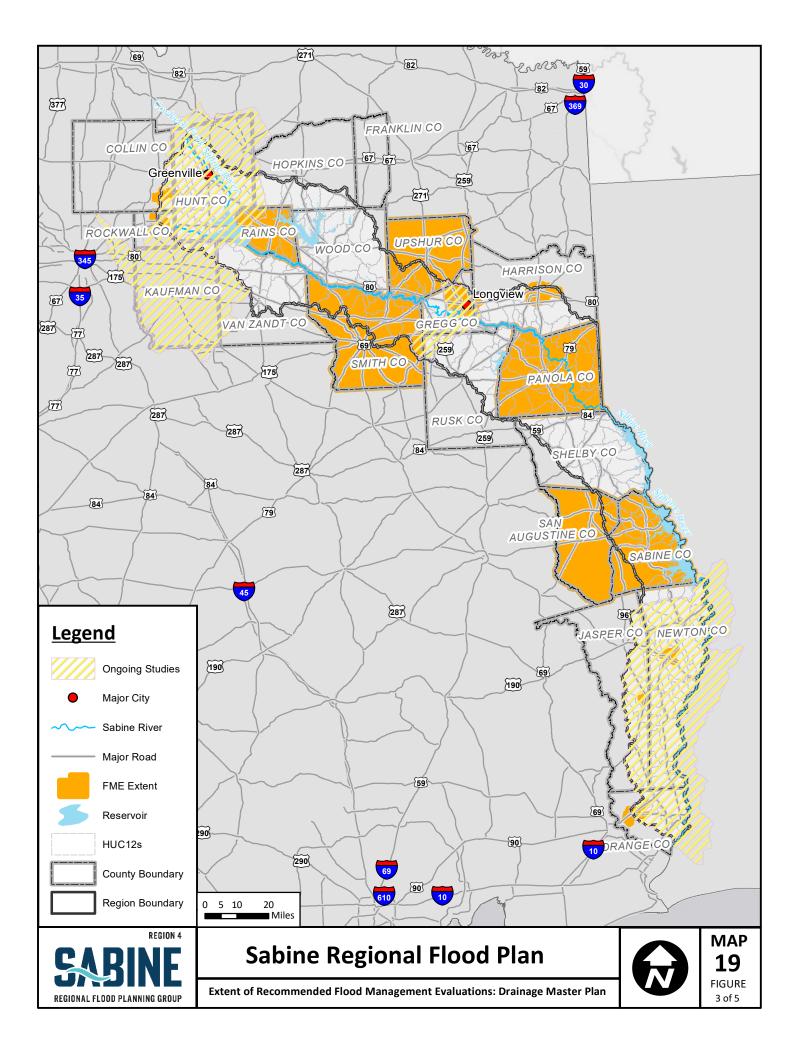
Flood Mitigation Action Name	Description	Entity	Estimated Project Cost (\$)	Reason Action Infeasible
City of Winona Action #1	Purchase and install an electric back-up generator at the water tower pump house in the event of a power outage from earthquake, extreme heat, flood, hail, hurricane/tropical 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

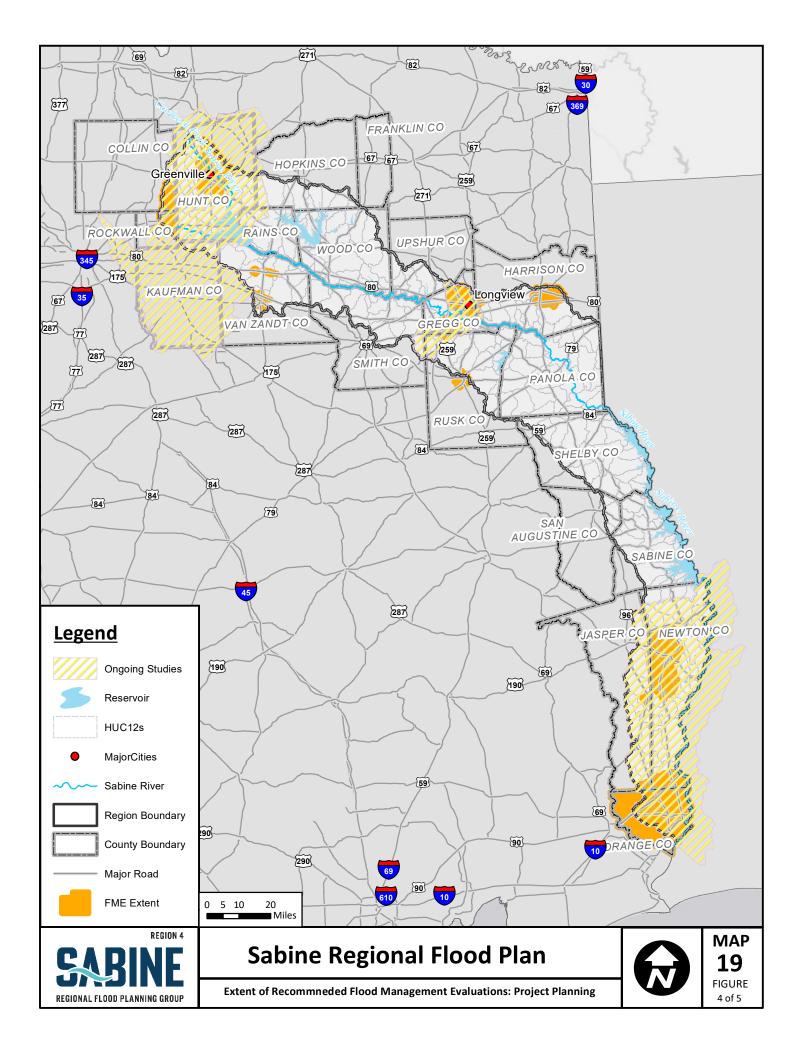
## APPENDIX 5-A SUPPORTING MAPS FOR CHAPTER 5

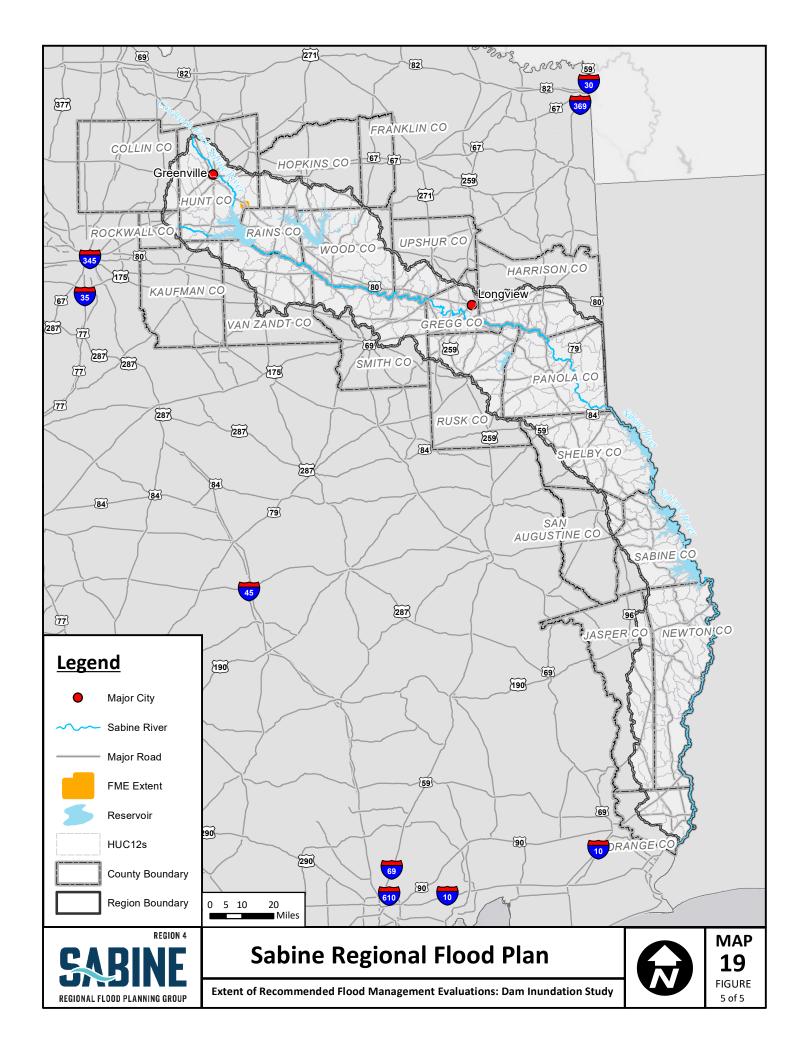


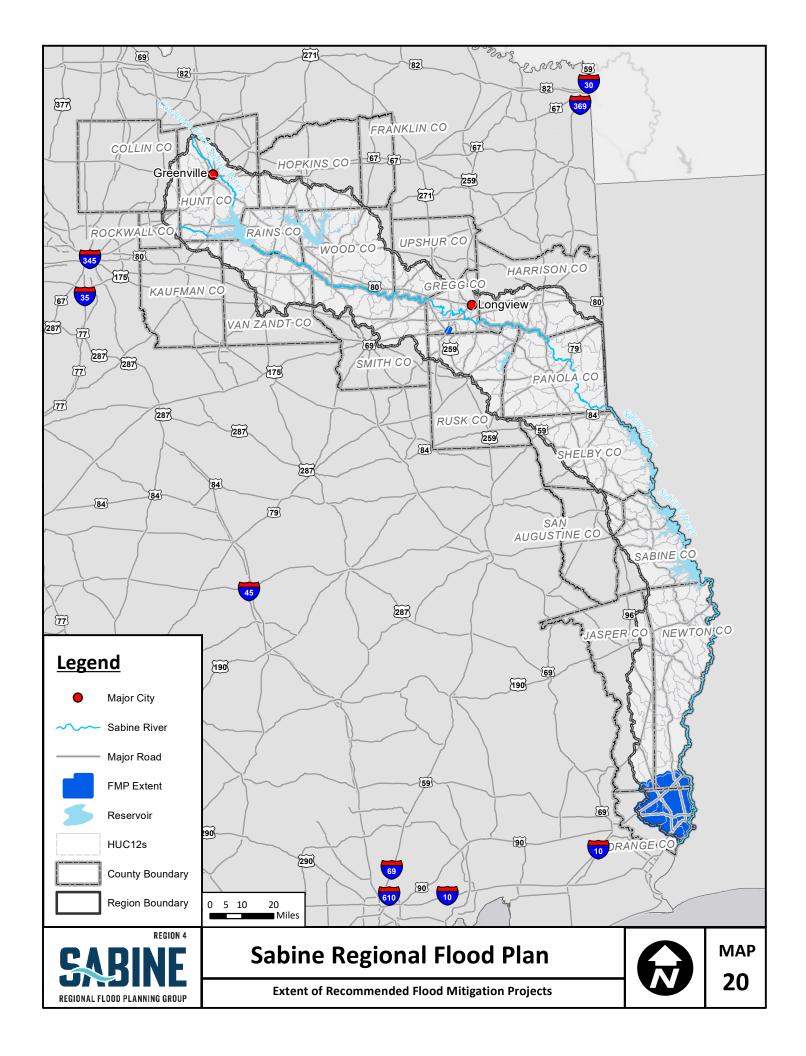


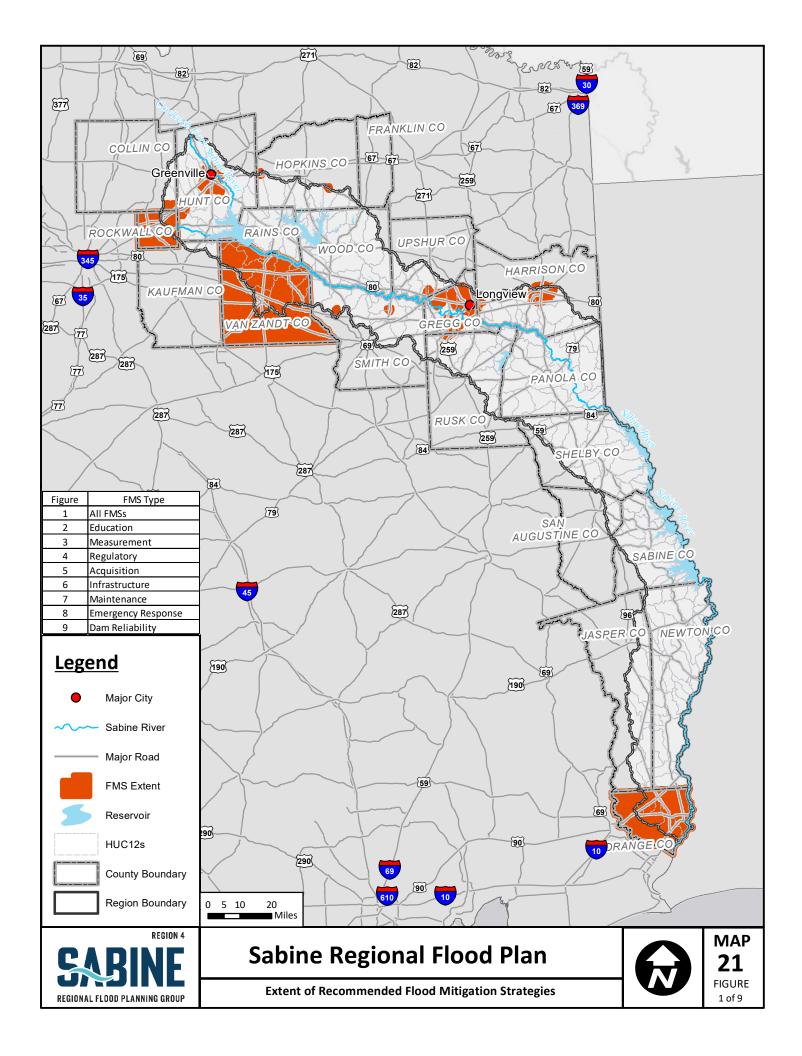


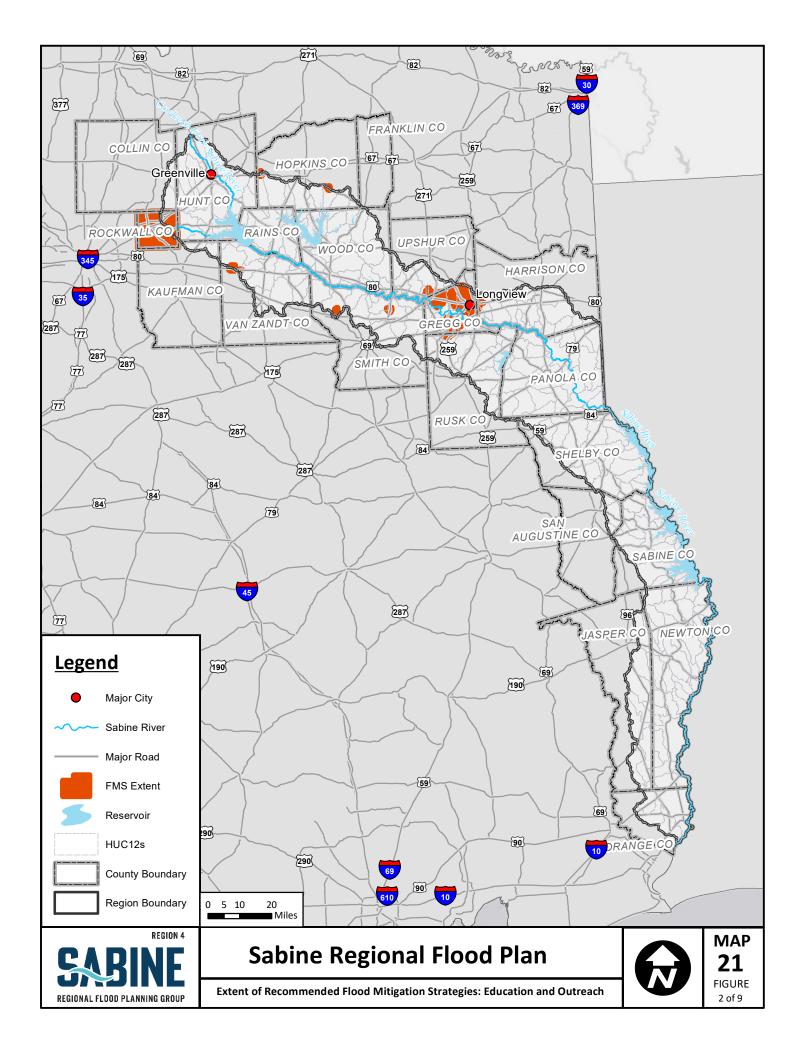


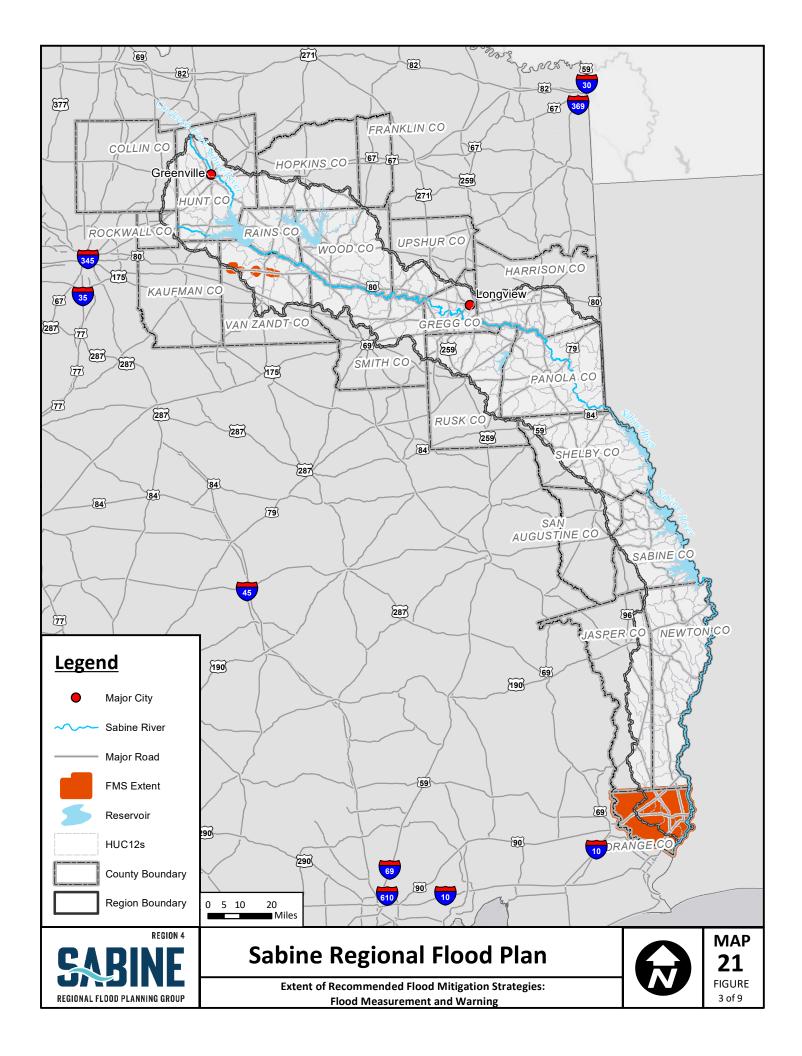


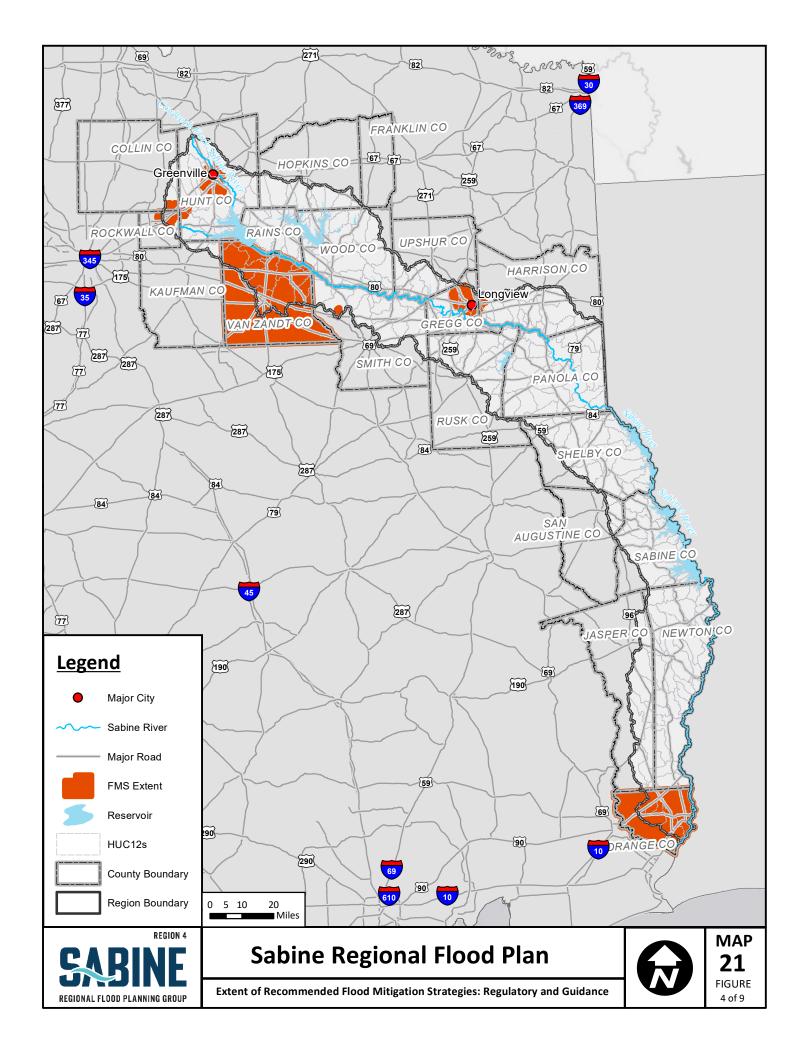


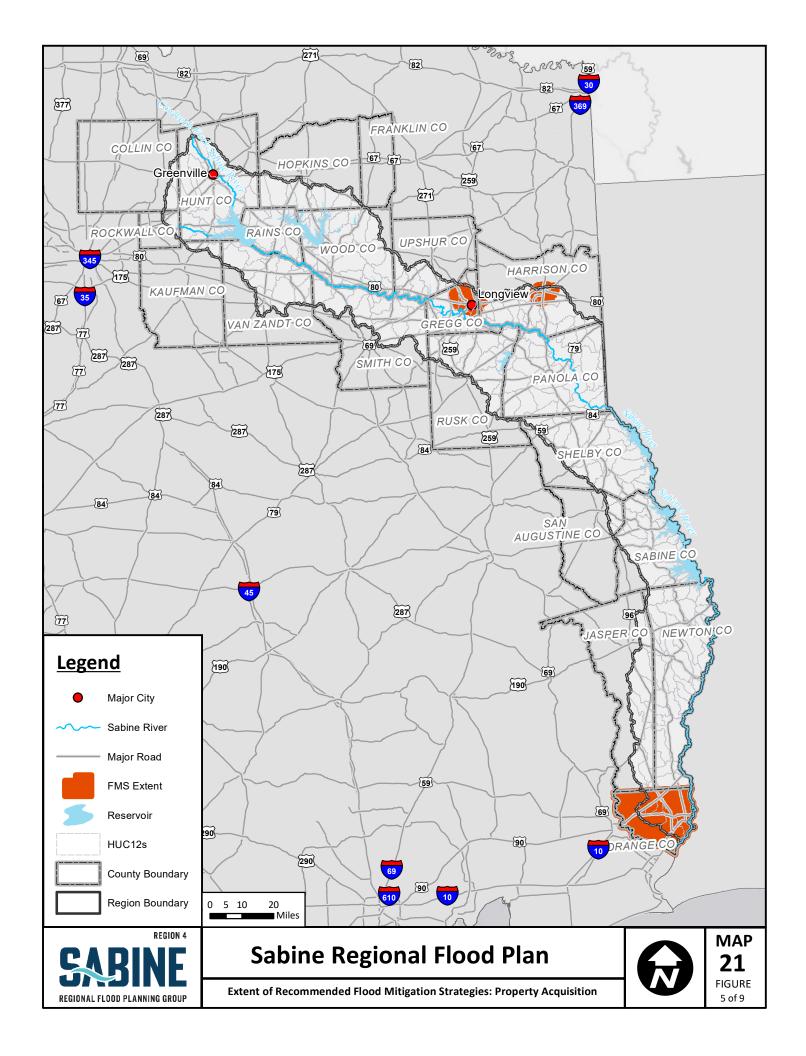


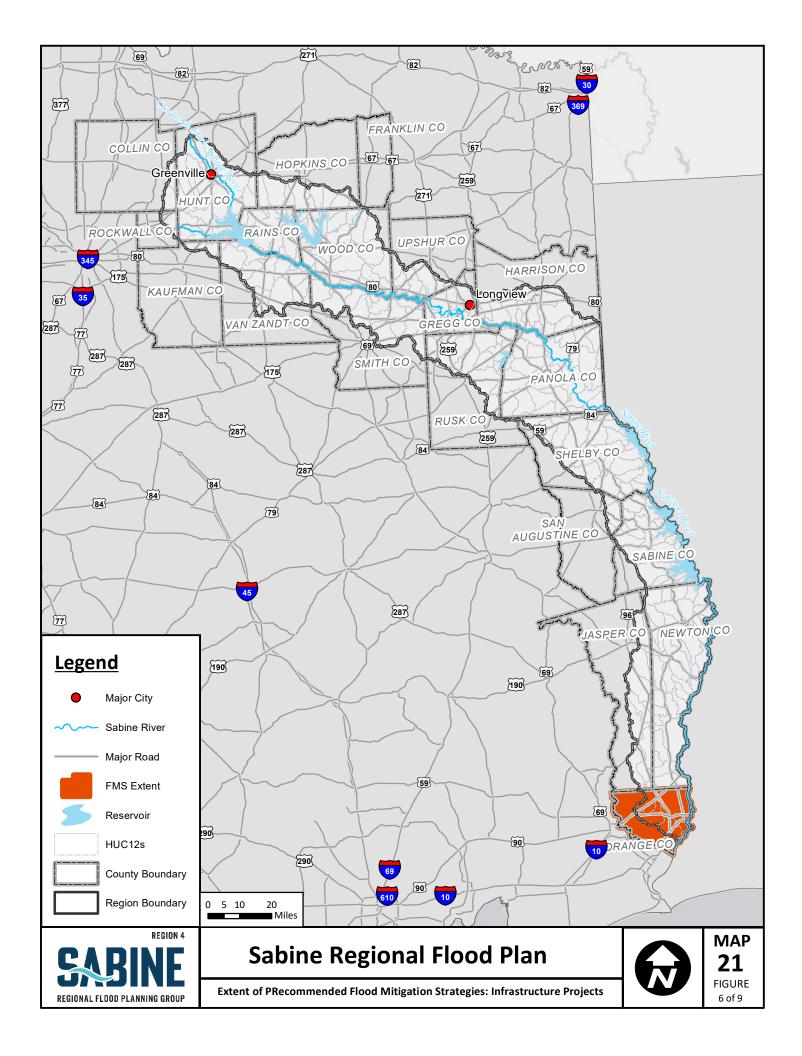


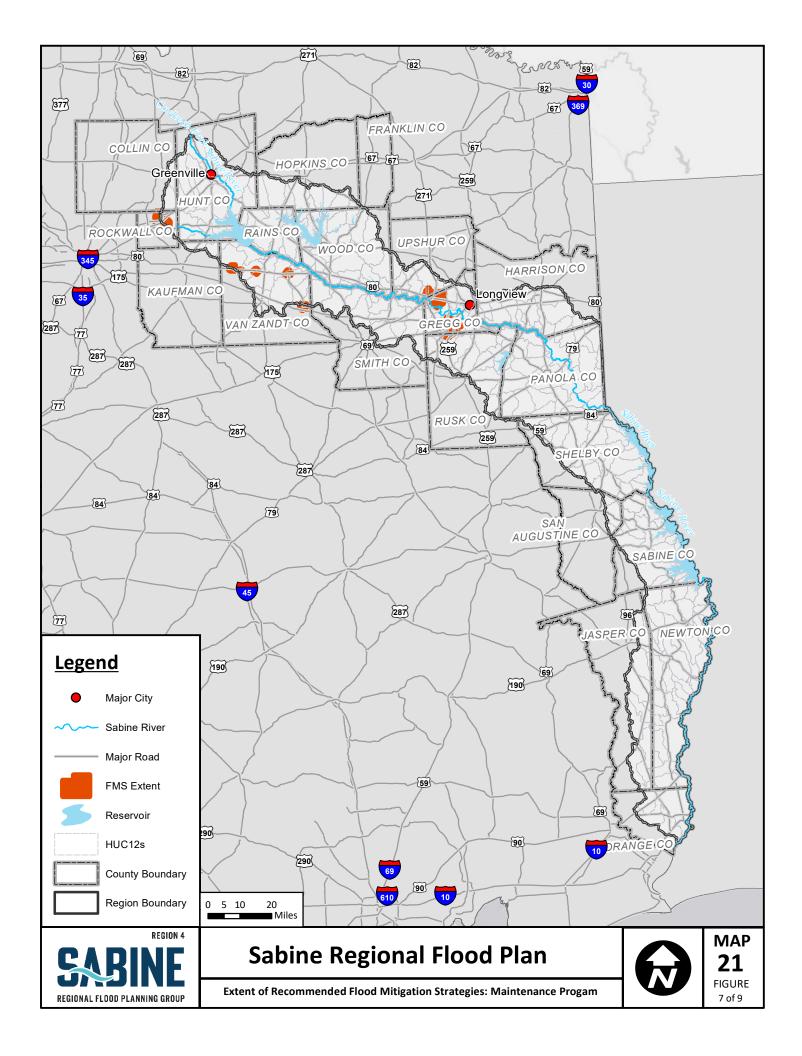


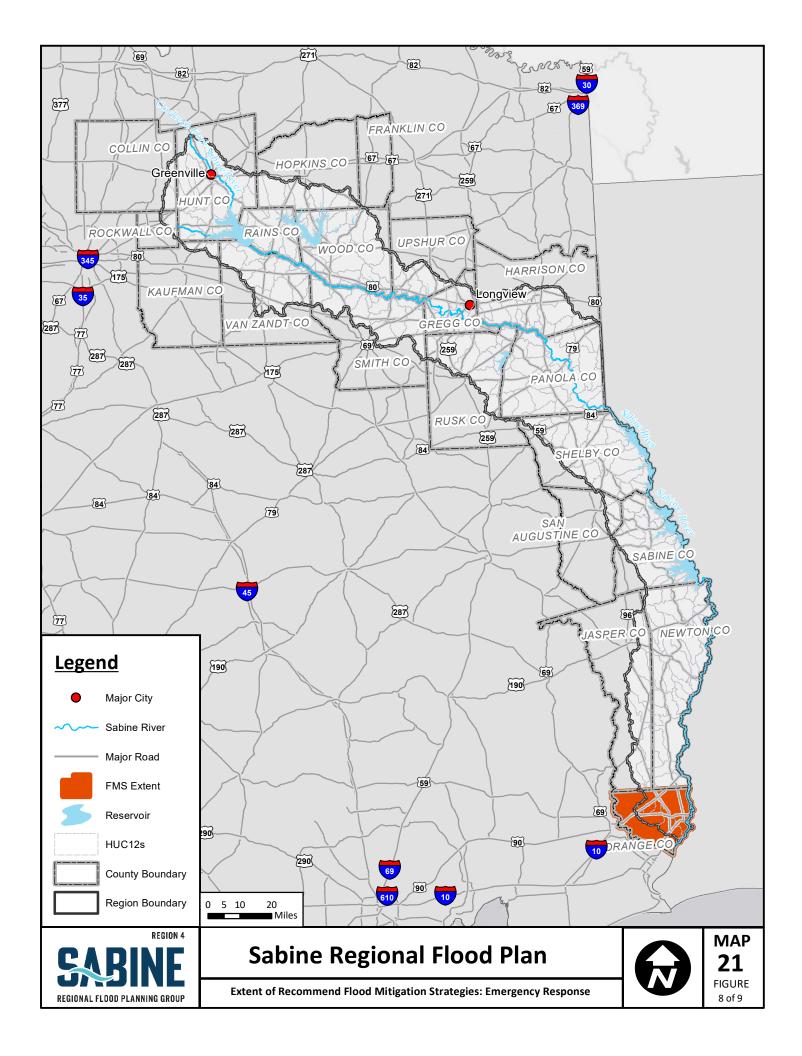


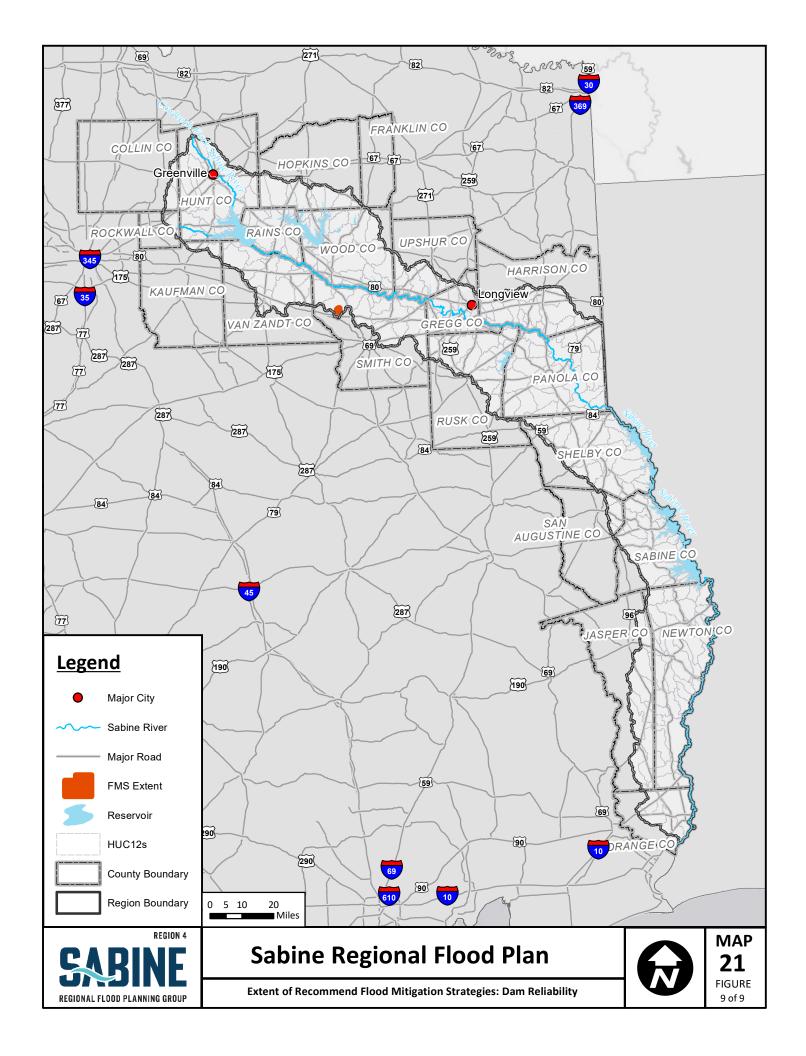


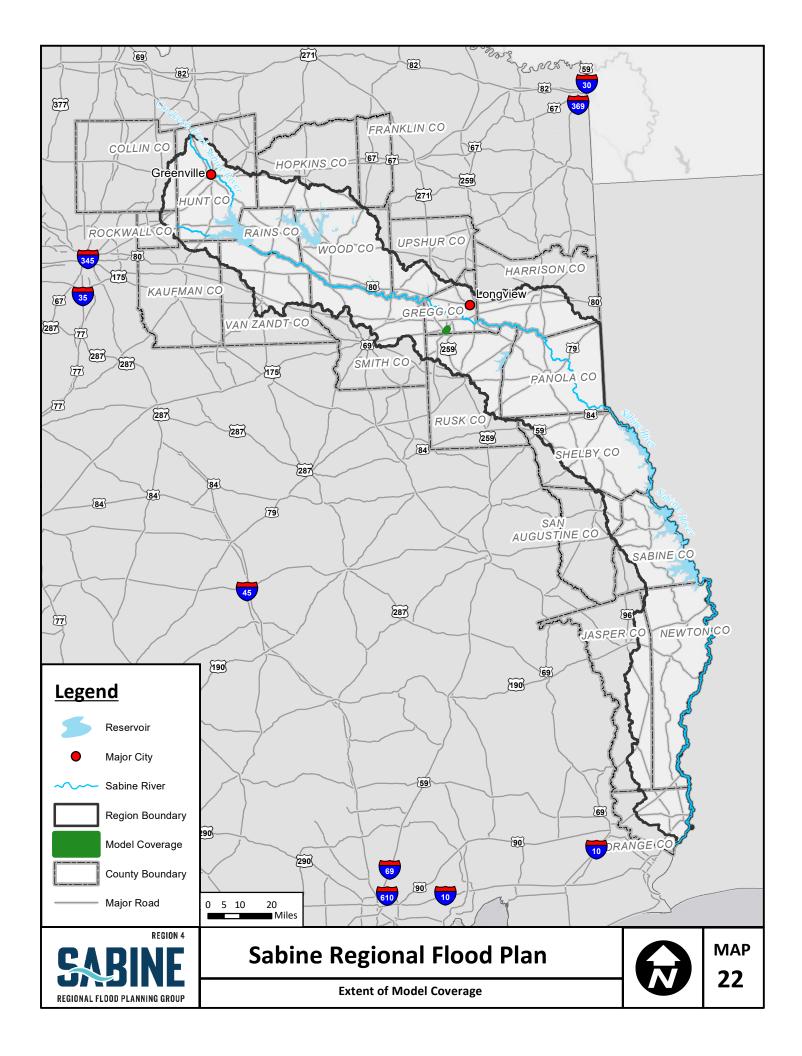












## APPENDIX 5-B SUPPORTING TABLES FOR CHAPTER 5

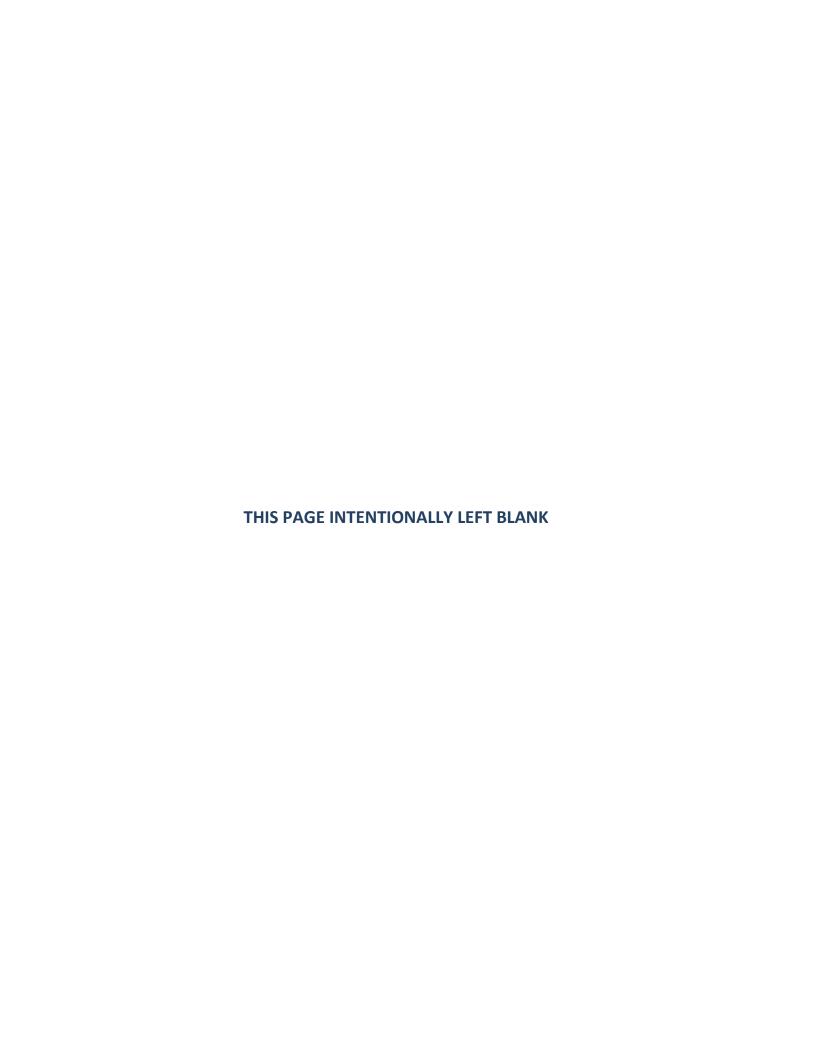


Table 15: Recommended Flood Management Evaluations Identified by RFPG

Table 15: Rec	ommenaed	d Flood Ivlanag	gement 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 Recommendat ion (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 Hazaro 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 Maste 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, 120100041106, 120100041002, 120100041103, 120100041004, 120100041101, 120100041004, 120100041101,	Toledo Bend Reservoir	Watershed Planning	574	Riverine	Sabine	Sabine	Yes	\$1,100,000	Yes	Aligns with RFPG Goals
04100009	4	Sabine	Sabine County Drainage Maste 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, 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 Recommendat ion (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	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	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, 120100022502, 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, 120100030505, 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, 120100030107, 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 Recommendat ion (Y/N)	Reason for Recommendation
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	Aligns with RFPG Goals
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	Longview	Longview	No	\$100,000	Yes	Aligns with RFPG Goals
041000024	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
041000025	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
041000026	4	Sabine	Josephine Drainage Master Plar	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
041000027	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
041000028	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
041000029	4	Sabine	Scottsville Drainage Master Plar	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
041000030	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
041000031	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
041000032	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
041000033	4		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
041000034	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
041000035	4		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 Recommendat ion (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	0400007, 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	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	"   Accacement tor Increase in Size of		Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Project Planning	371	Riverine, Coastal	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 g 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.	0400007, 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 (sgmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendat	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	ion (Y/N) 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,	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

			ation i rojects identified by																						
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)		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	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.	0400007	Orange, Newton	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Flood Walls and Levees	265	Riverine		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	I Sabine I	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

				Table 17: Recomn	nended Flood Wi	anagement str	ategies identifie	a by KFFG				
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	0400009, 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, 120100010607, 120100010603, 120100010608, 120100010605, 120100010607, 120100010505, 120100010405, 120100010405,	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

				Table 17: Red	ommenaea Floc	od ivianagemen	it 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 Recommend ation (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.	0400009, 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 Recommend ation (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.	0400009, 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.	0400009	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 Recommend ation (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 Recommend ation (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

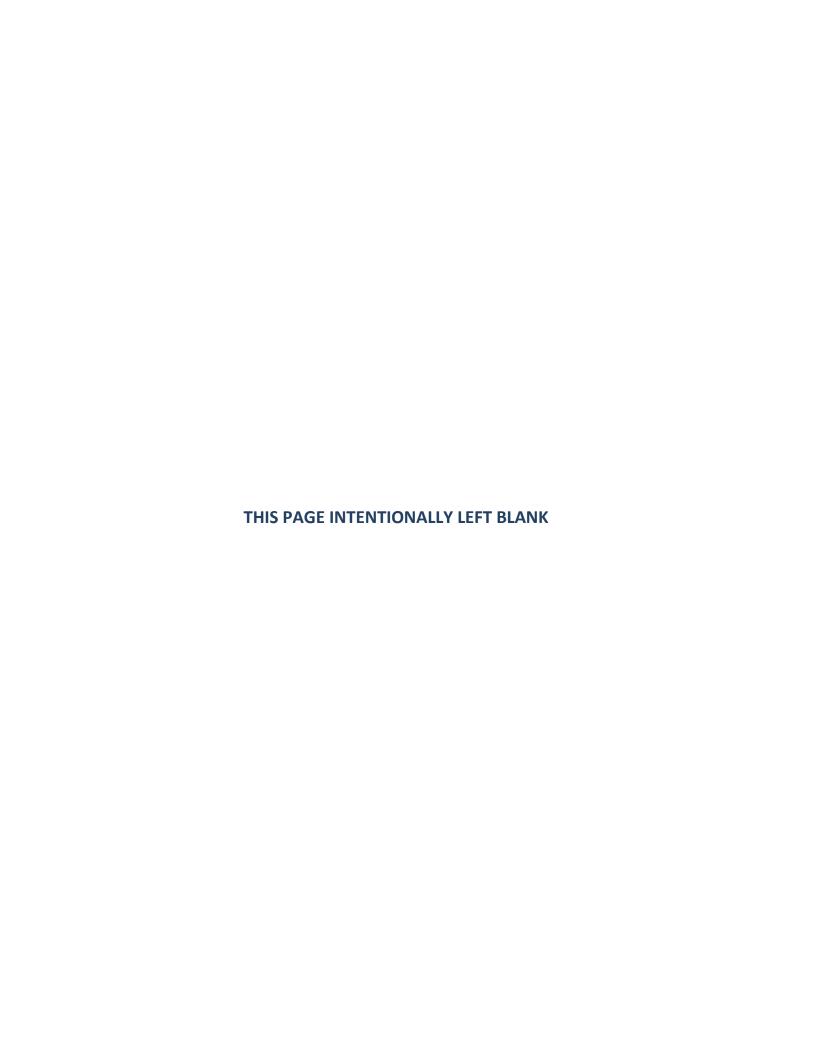
FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type
042000036	4	Sabine	Longview Flood Mitigation Floodplain Development Regulations	Improve the long-range management and use of flood-prone areas by the adoption and enforcement of local ordinances to regulate new development within the floodplain. Review and revise ordinances, when needed.	0400009, 0400018	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 Recommend ation (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 Royse 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 Royse 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 Recommend ation (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



**REGION 4** 

SABINE

REGIONAL FLOOD PLANNING GROUP

Title Orange County Drainage Improvements at Kinard Estates Study

ID# 041000050 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Projec

Project Planning County Orange

Study description First-time sewer service, detention pond, and other drainage improvements to reduce flooding and environmental impacts.

FME to create new H&H model? No

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

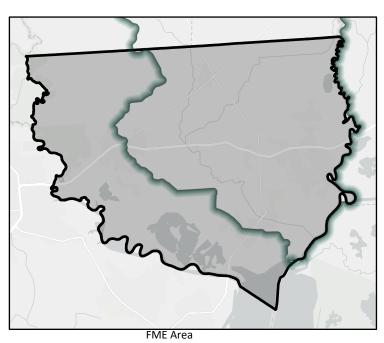
# of historical road closures

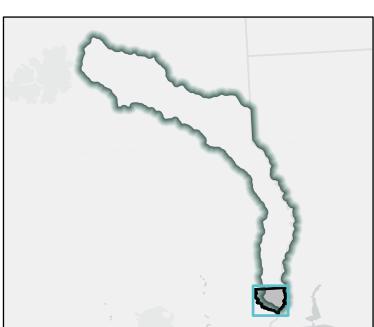
22

### **Estimated Cost and Funding Availability**

Total Cost \$250,000 Potential federal funding availability?

Potential Federal Funding Sources





Regional view of FME area

REGION 4

SABINE

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

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

railii/ Kalicii ialiu iliipacteu (ac.)

2

, , ,

# of low water crossings

5

# of historical road closures

5

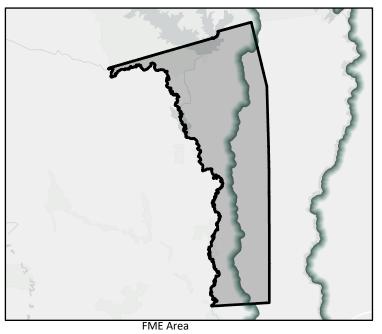
### **Estimated Cost and Funding Availability**

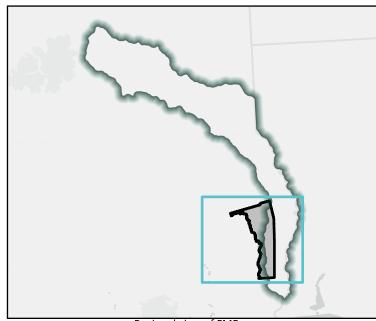
Total \$700,000

Potential federal funding availability?

tv? Yes

Potential Federal Funding Sources





**REGION 4** 

CARIN

REGIONAL FLOOD PLANNING GROUP

Title Newton County Flood Hazard Mapping

ID# 041000002 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Watershed Planning County Newton, 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? Yes Drainage area (sq. mi., est.) 936

Goal(s)

### 100-Year Flood Risk Summary

# of critical facilities 324 Population at risk 2,585 # of structures 3,237

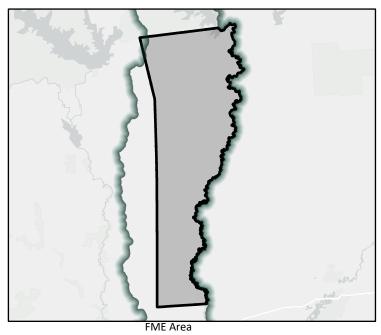
Local Flooding? No Flood risk type: Riverine? Yes Coastal? Other? No

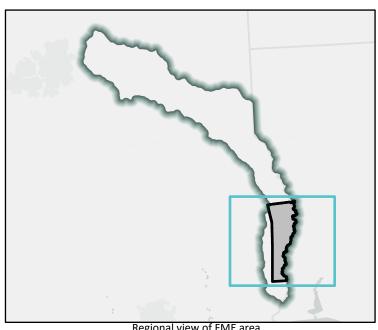
Farm/Ranch land impacted (ac.) 8,621 Roadways impacted (miles) 152 10

# of low water crossings 10 # of historical road closures

### **Estimated Cost and Funding Availability**

Potential federal Potential Federal \$2,340,000 funding availability? Yes **Funding Sources** Cost





**REGION 4** 

SABINE

REGIONAL FLOOD PLANNING GROUP

Title Newton County Flood and Drainage Study

ID# 041000049 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

## **Study Details**

Study type Project Planning County Newton, Jasper

Study description Reconstructing bridges and culverts in a major drainage basin flowing into the Sabine River in Newton County.

FME to create new H&H model? No Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 159

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 249 # of structures 260 # of critical facilities 17

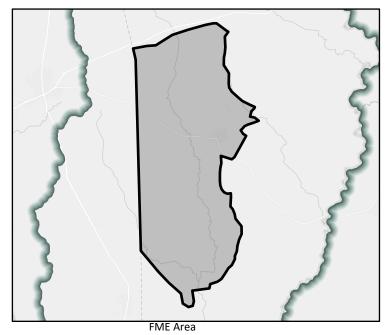
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

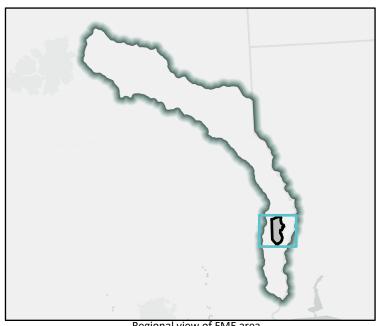
Farm/Ranch land impacted (ac.) 892 Roadways impacted (miles) 19

# of low water crossings 5 # of historical road closures 5

## **Estimated Cost and Funding Availability**

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





Regional view of FME area

REGION 4

SABINE

**REGIONAL FLOOD PLANNING GROUP** 

Title Smith County Flood Hazard Mapping

ID# 041000003 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

on for Aligns with RFPG Goals

#### **Study Details**

Study type Watershed Planning County Smith, Van Zandt, Rains, Wood

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.) 946

Goal(s)

### 100-Year Flood Risk Summary

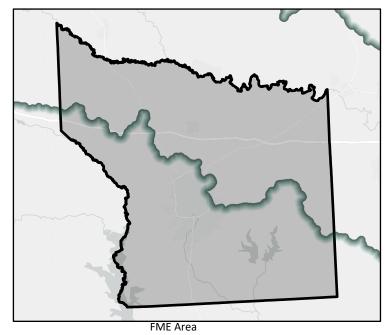
Population at risk 1,990 # of structures 1,303 # of critical facilities 7

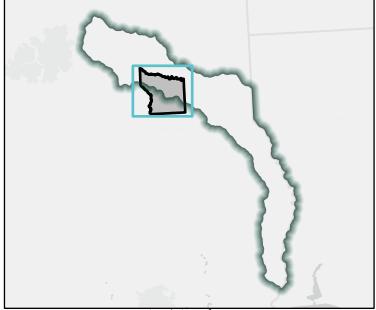
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 10,559 Roadways impacted (miles) 61
# of low water crossings 0 # of historical road closures 0

#### **Estimated Cost and Funding Availability**

Total Cost \$4,275,000 Potential federal funding availability? Yes Funding Sources 0





Regional view of FME area

**REGION 4** 

**REGIONAL FLOOD PLANNING GROUP** 

Title Smith County Drainage Master Plan

ID# 041000004 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

## **Study Details**

Study type

Watershed Planning

County Smith, Van Zandt, Rains, Wood

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.

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 946

Goal(s)

## 100-Year Flood Risk Summary

FME to create new H&H model? Yes

Population at risk 1,990

# of structures 1,303

# of critical facilities 7

Flood risk type: Riverine? Yes

Coastal?

Local Flooding? No

Other? No

Farm/Ranch land impacted (ac.)

10,559

Roadways impacted (miles)

61

# of low water crossings

0

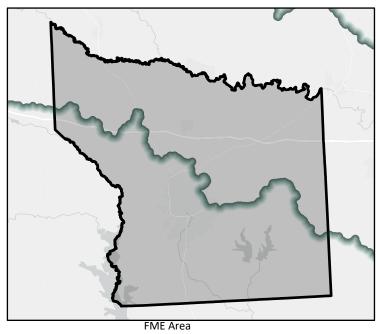
# of historical road closures

### **Estimated Cost and Funding Availability**

\$1,900,000 Cost

Potential federal funding availability?

Potential Federal **Funding Sources** 





**REGION 4** 

SABINE

REGIONAL FLOOD PLANNING GROUP

Title Gregg County Flood Hazard Mapping

ID# 041000058 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Watershed Planning County Gregg

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? No Anticipated models in near term? No Drainage area (sq. mi., est.) 274

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 11,464 # of structures 2,182 # of critical facilities 26

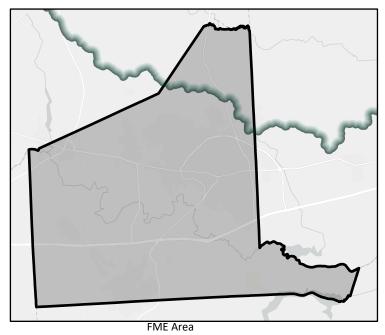
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

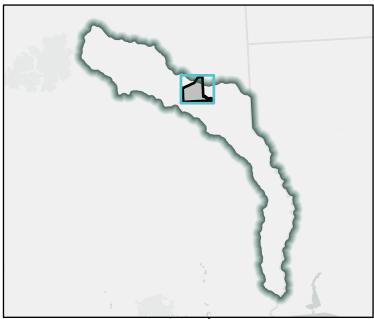
Farm/Ranch land impacted (ac.) 1 Roadways impacted (miles) 86

# of low water crossings 1 # of historical road closures

### **Estimated Cost and Funding Availability**

Total Cost \$2,200,000 Potential federal funding availability? Yes Funding Sources 0





Regional view of FME area

**REGION 4** 

SABINE

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

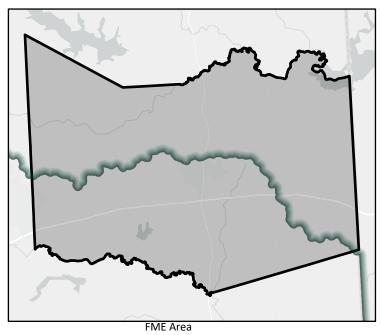
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

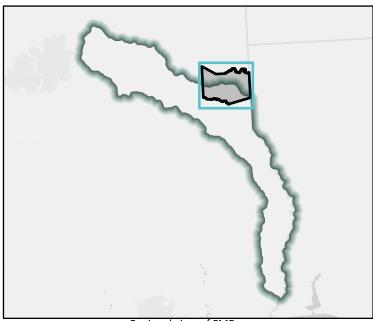
Farm/Ranch land impacted (ac.) 9,144 Roadways impacted (miles) 82

# of low water crossings 2 # of historical road closures

### **Estimated Cost and Funding Availability**

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





REGION 4

SABINE

REGIONAL FLOOD PLANNING GROUP

Title Van Zandt County Flood Hazard Mapping

ID# 041000006 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Watershed Planning County Van Zandt, Rains, Hunt

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.) 856

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 1,471 # of structures 1,080 # of critical facilities 13

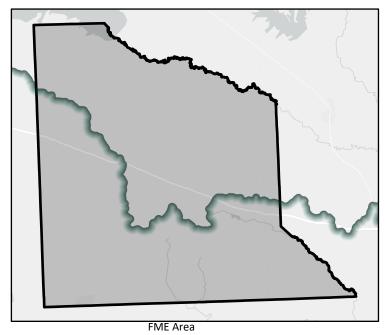
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 26,372 Roadways impacted (miles) 79

# of low water crossings 9 # of historical road closures

#### **Estimated Cost and Funding Availability**

Total Cost \$2,230,000 Potential federal funding availability? Yes Funding Sources 0





Regional view of FME area

**REGION 4** 

**REGIONAL FLOOD PLANNING GROUP** 

Title Upshur County Drainage Master Plan

ID# 041000007 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type

Watershed Planning

County Smith, Wood, Upshur

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.) 590

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 281

# of structures 328

# of critical facilities 0

Flood risk type: Riverine? Yes

Coastal?

Local Flooding? No

Other? No

Farm/Ranch land impacted (ac.)

4,148

Roadways impacted (miles)

28

# of low water crossings

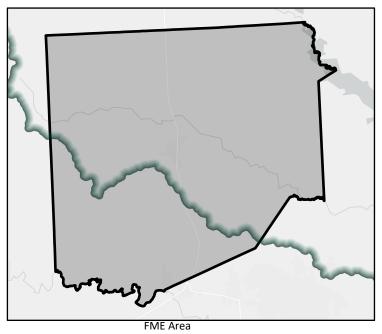
# of historical road closures

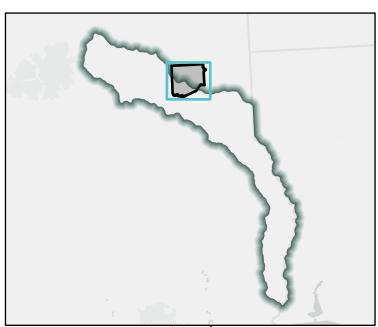
### **Estimated Cost and Funding Availability**

\$200,000 Cost

Potential federal funding availability?

Potential Federal **Funding Sources** 





REGION 4

SABINE

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

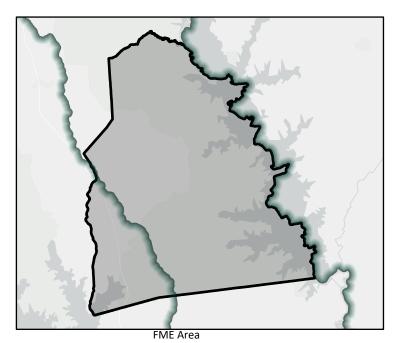
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

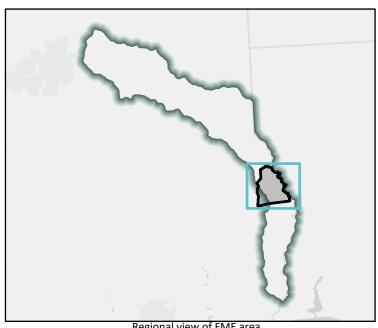
Farm/Ranch land impacted (ac.) 2,311 Roadways impacted (miles) 33

# 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





Regional view of FME area

**REGION 4** 

SARIN

**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?

Local Flooding? No

Other? No

Farm/Ranch land impacted (ac.)

2,311

Roadways impacted (miles)

33

# of low water crossings

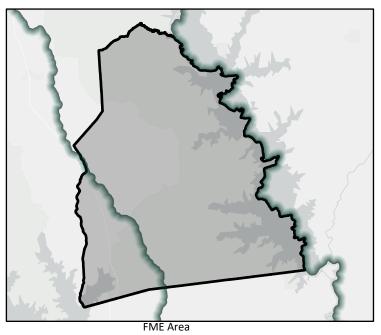
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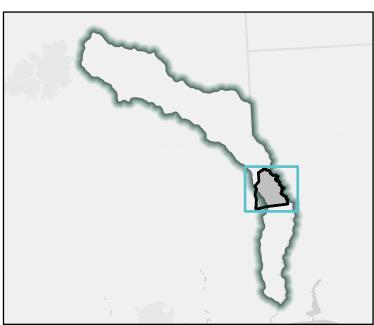
# of historical road closures

### **Estimated Cost and Funding Availability**

\$460,000 Cost

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





Regional view of FME area

REGION 4

SABINE

REGIONAL FLOOD PLANNING GROUP

Title San Augustine County Flood Hazard Mapping

ID# 041000010 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Watershed Planning County San Augustine, Shelby

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.) 590

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 0 # of structures 1 # of critical facilities 0

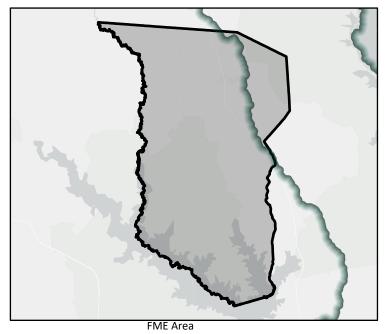
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 346 Roadways impacted (miles)

# of low water crossings 0 # of historical road closures

### **Estimated Cost and Funding Availability**

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





**REGION 4** 

SARIN

REGIONAL FLOOD PLANNING GROUP

Title San Augustine County Drainage Master Plan

ID# 041000011

Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

## **Study Details**

Study type

Watershed Planning

County San Augustine, Shelby

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.) 590

Goal(s)

### 100-Year Flood Risk Summary

# of critical facilities 0 Population at risk 0 # of structures 1

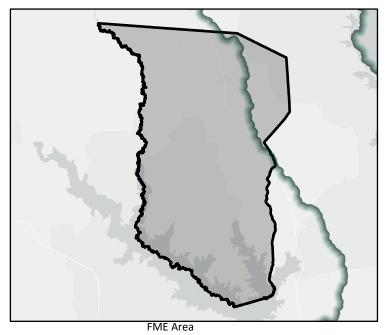
Local Flooding? No Flood risk type: Riverine? Yes Coastal? Other? No

Farm/Ranch land impacted (ac.) 346 Roadways impacted (miles) 2

# of low water crossings 0 # of historical road closures

### **Estimated Cost and Funding Availability**

Potential federal Potential Federal \$50,000 funding availability? Yes **Funding Sources** Cost





Regional view of FME area

**REGION 4** 

SABINE

REGIONAL FLOOD PLANNING GROUP

Title Shelby County Flood Hazard Mapping

ID# 041000012 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Watershed Planning County Rusk, Panola, Shelby

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.) 831

Goal(s)

### 100-Year Flood Risk Summary

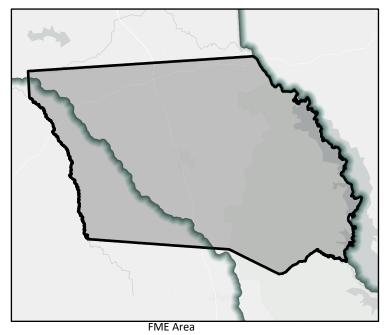
Population at risk 225 # of structures 800 # of critical facilities 0

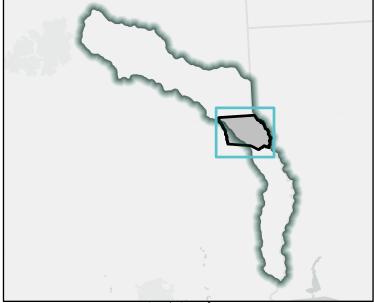
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 9,764 Roadways impacted (miles) 49
# of low water crossings 3 # of historical road closures 3

#### **Estimated Cost and Funding Availability**

Total Cost \$375,500 Potential federal funding availability? Potential Federal Funding Sources 0





**REGION 4** 

SABINE

REGIONAL FLOOD PLANNING GROUP

Title Rusk County Flood Hazard Mapping

ID# 041000013 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Watershed Planning County Rusk, Smith, Gregg

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.) 935

Goal(s)

### 100-Year Flood Risk Summary

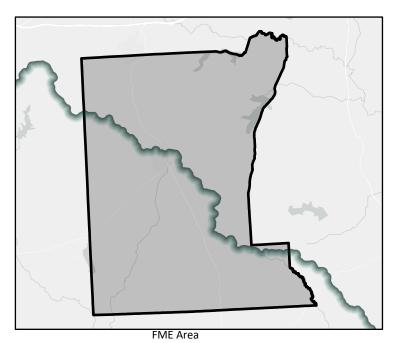
Population at risk 1,374 # of structures 899 # of critical facilities 2

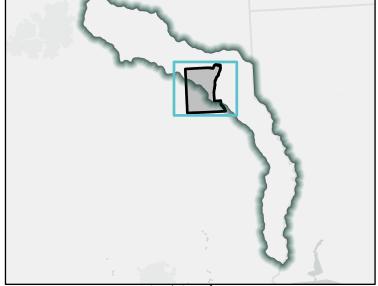
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 13,283 Roadways impacted (miles) 55
# of low water crossings 5 # of historical road closures 5

#### **Estimated Cost and Funding Availability**

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





REGION 4

SABINE

REGIONAL FLOOD PLANNING GROUP

Title Panola County Flood Hazard Mapping

ID# 041000014 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Watershed Planning County Panola

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.) 818

Goal(s)

### 100-Year Flood Risk Summary

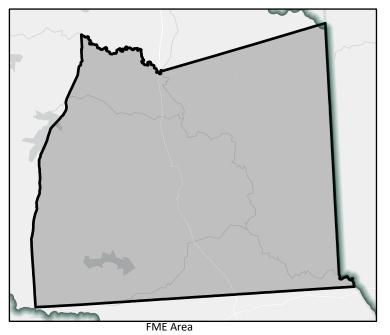
Population at risk 1,416 # of structures 750 # of critical facilities 2

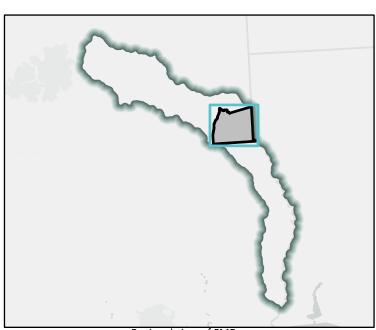
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 24,459 Roadways impacted (miles) 119
# of low water crossings 10 # of historical road closures 10

## **Estimated Cost and Funding Availability**

Total Sample Potential federal Founding Sources Funding Sources





**REGION 4** 

REGIONAL FLOOD PLANNING GROUP

Title Panola County Drainage Master Plan

ID# 041000015 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

## **Study Details**

Study type

Watershed Planning

County Panola

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.) 818

Goal(s)

## 100-Year Flood Risk Summary

Population at risk 1,416

# of structures 750

# of critical facilities 2

Flood risk type: Riverine? Yes

Coastal?

Local Flooding? No

Other? No

Farm/Ranch land impacted (ac.)

24,459

Roadways impacted (miles)

119

# of low water crossings

10

# of historical road closures

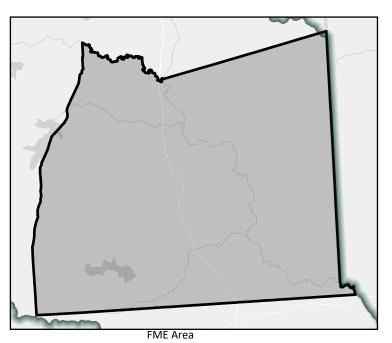
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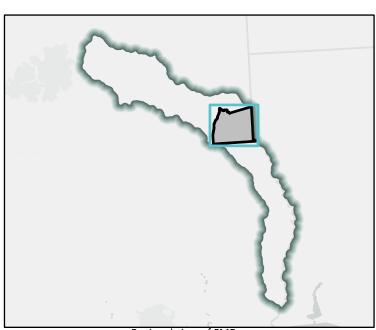
### **Estimated Cost and Funding Availability**

\$1,700,000 Cost

Potential federal funding availability? Yes

Potential Federal **Funding Sources** 





REGION 4

SABINE

REGIONAL FLOOD PLANNING GROUP

Title Wood County Flood Hazard Mapping

ID# 041000018 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Watershed Planning County Smith, Van Zandt, Rains, Wood

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.) 693

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 1,773 # of structures 1,546 # of critical facilities 7

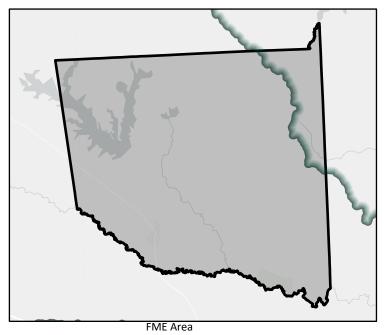
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

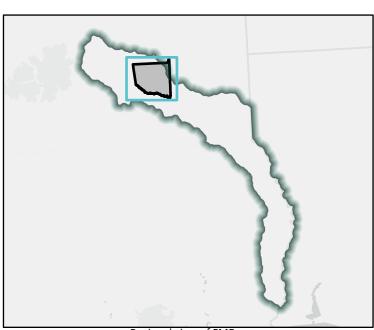
Farm/Ranch land impacted (ac.) 18,534 Roadways impacted (miles) 105

# of low water crossings 1 # of historical road closures

#### **Estimated Cost and Funding Availability**

Total Cost \$3,200,000 Potential federal funding availability? Yes Funding Sources





**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 County Wood, Hopkins, Franklin Watershed Planning

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

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? No

Drainage area (sq. mi., est.) 791

Goal(s)

### 100-Year Flood Risk Summary

# of critical facilities 0 Population at risk 92 # of structures 156

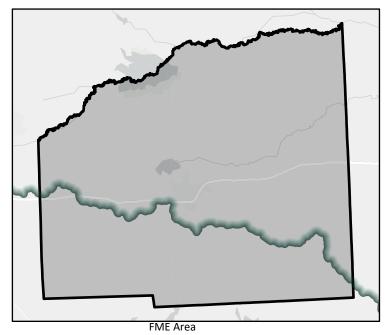
Coastal? Local Flooding? No Flood risk type: Riverine? Yes Other? No

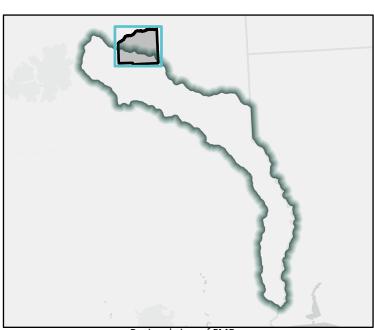
Farm/Ranch land impacted (ac.) 13,195 Roadways impacted (miles) 48

# of low water crossings 5 # of historical road closures

### **Estimated Cost and Funding Availability**

Potential federal Potential Federal \$1,550,000 funding availability? **Funding Sources** Cost





**REGION 4** 

CARIN

REGIONAL FLOOD PLANNING GROUP

Title Hunt County Flood Hazard Mapping

ID# 041000059 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

**Study Details** 

Study type Watershed Planning County Hunt

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.) 879

Goal(s)

100-Year Flood Risk Summary

# of critical facilities 45 Population at risk 5,968 # of structures 2,297

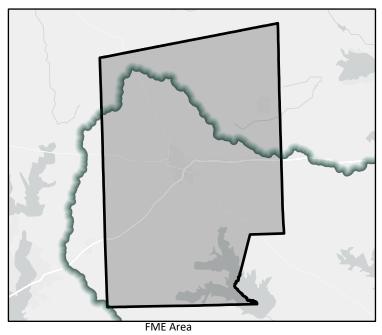
Coastal? Local Flooding? No Flood risk type: Riverine? Yes Other? No

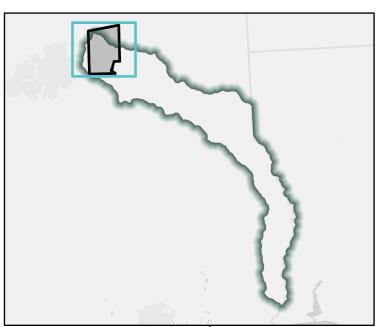
Farm/Ranch land impacted (ac.) 6 Roadways impacted (miles) 137 # of low water crossings

10 # of historical road closures 10

**Estimated Cost and Funding Availability** 

Potential federal Potential Federal \$4,000,000 funding availability? **Funding Sources** Cost





**REGION 4** 

Title Feasibility Assessment and Conceptual Design of Dredging of Segments of Adams Bayou

ID# 041000042 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 Feasibility Assessment

of Dredging of Segments of Adams Bayou

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 146

Goal(s)

## 100-Year Flood Risk Summary

Population at risk 18,428

# of structures 10,571

# of critical facilities 306

Flood risk type: Riverine? Yes

Coastal?

Local Flooding? No

Other? No

Farm/Ranch land impacted (ac.)

9,260

Roadways impacted (miles)

240

,

. . . . .

# of low water crossings

15

# of historical road closures

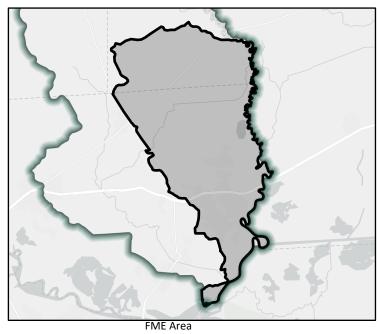
15

### **Estimated Cost and Funding Availability**

Total Cost \$2,000,000 Potential federal

funding availability? Yes

Potential Federal Funding Sources





Regional view of FME area

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**REGION 4** 

Title Feasibility Assessment and Conceptual Design of Dredging of Segments of Little Cypress Bayou

ID# 041000044

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 Feasibility Assessment of Dredging of Segments of Little Cypress Bayou

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 146

Goal(s)

## 100-Year Flood Risk Summary

Population at risk 18,428

# of structures 10,571

# of critical facilities 306

Flood risk type: Riverine? Yes

Coastal?

Local Flooding? No

Other? No

Farm/Ranch land impacted (ac.)

9,260

Roadways impacted (miles)

240

# of low water crossings

15

# of historical road closures

15

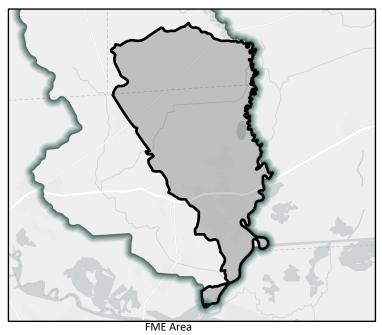
### **Estimated Cost and Funding Availability**

\$1,000,000 Cost

Potential federal

funding availability? Yes

Potential Federal **Funding Sources** 





Regional view of FME area

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**REGION 4** 

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?

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

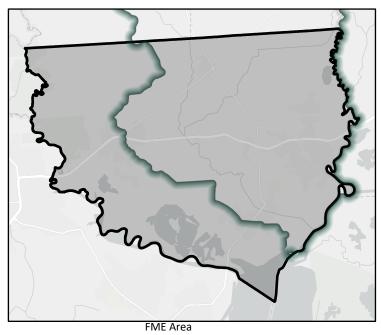
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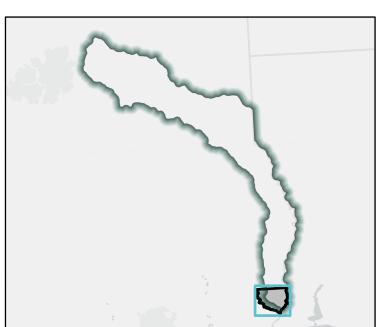
## **Estimated Cost and Funding Availability**

\$500,000 Cost

Potential federal funding availability?

Potential Federal **Funding Sources** 





Regional view of FME area

REGION 4

Title Feasibility Assessment and Conceptual Design of Increasing Capacity of Drainage Ditches and Channels that Convey Stormwater from Neighborhoods

ID# 041000047

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 of the Capacity of Drainage Ditches and Channels that

Convey Stormwater from Neighborhoods Located Within 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?

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

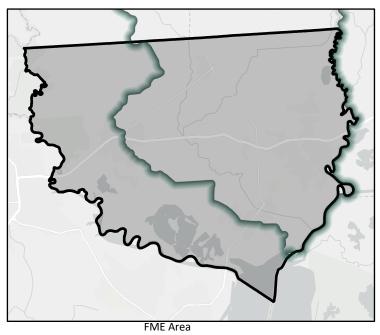
22

#### **Estimated Cost and Funding Availability**

\$1,000,000 Cost

Potential federal funding availability?

Potential Federal **Funding Sources** 





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**REGION 4** 

SABINE

**REGIONAL FLOOD PLANNING GROUP** 

Title Adams Bayou Detention Ponds Study

ID# 041000052 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

or
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.) 146

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 18,428 # of structures 10,571 # of critical facilities 306

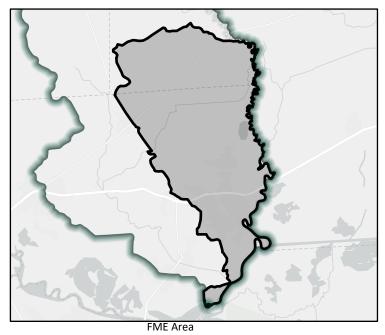
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 9,260 Roadways impacted (miles) 240

# of low water crossings 15 # of historical road closures 15

### **Estimated Cost and Funding Availability**

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





**REGION 4** 

SARINE

**REGIONAL FLOOD PLANNING GROUP** 

Title Cole Creek Detention Ponds Study

ID# 041000053 Sponsor

Recommended by RFPG? Yes

Reason for Aligns with RFPG Goals Recommendation

**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.) 119

Goal(s)

100-Year Flood Risk Summary

Population at risk 10,805

# of structures 7,655

# of critical facilities 7

Flood risk type: Riverine? Yes

Coastal?

Local Flooding? No

Other? No

Farm/Ranch land impacted (ac.)

9,437

Roadways impacted (miles)

156

# of low water crossings

7

# of historical road closures

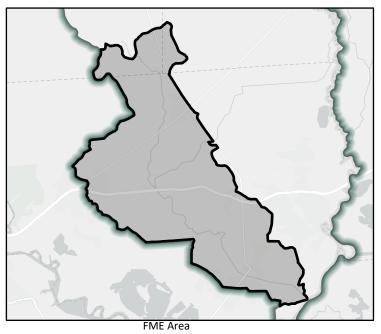
**Estimated Cost and Funding Availability** 

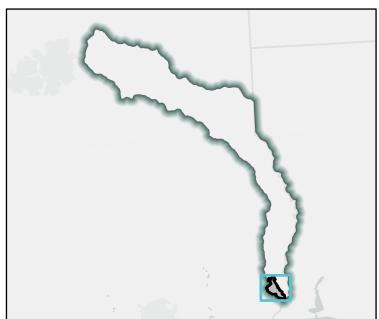
\$600,000 Cost

Potential federal

funding availability? Yes

Potential Federal **Funding Sources** 





Regional view of FME area

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**REGION 4** 

SABINE

**REGIONAL FLOOD PLANNING GROUP** 

Title Cow Bayou Detention Ponds Study

ID# 041000054 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.) 119

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 10,805 # of structures 7,655 # of critical facilities 7

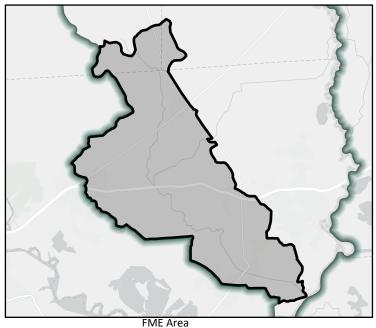
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 9,437 Roadways impacted (miles) 156

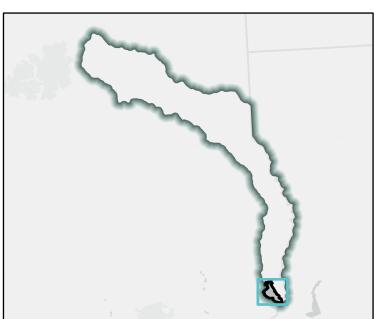
# of low water crossings 7 # of historical road closures

## **Estimated Cost and Funding Availability**

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







REGION 4

SABINE

**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

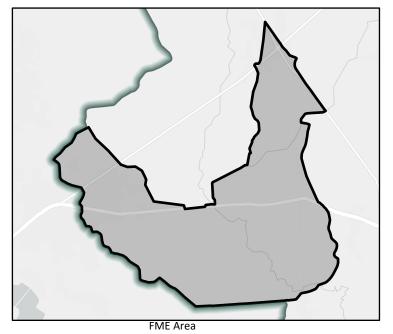
Population at risk 3,541 # of structures 2,444 # of critical facilities 0

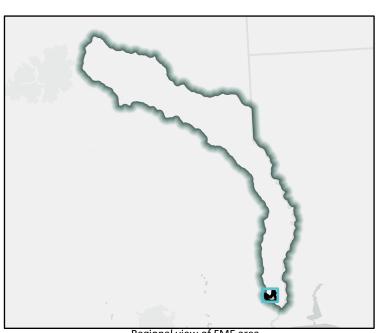
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

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





**REGION 4** 

CARINE

REGIONAL FLOOD PLANNING GROUP

Title Feasibility Assessment and Conceptual Design of Dredging of Segments of Cow Bayou

ID# 041000043 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 Feasibility Assessment of Dredging of Segments of Cow Bayou

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 119

Goal(s)

## 100-Year Flood Risk Summary

Population at risk 10,805

# of structures 7,655

# of critical facilities 7

Flood risk type: Riverine? Yes

Coastal?

Local Flooding? No

Other? No

Farm/Ranch land impacted (ac.)

9,437

Roadways impacted (miles)

156

# of low water crossings

7

# of historical road closures

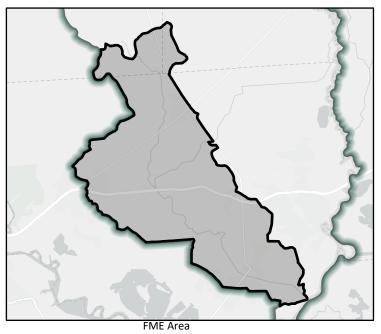
#### **Estimated Cost and Funding Availability**

\$600,000 Cost

Potential federal

funding availability? Yes

Potential Federal **Funding Sources** 





Regional view of FME area

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**REGION 4** 

Title Feasibility Assessment and Conceptual Design of Constructing a Stormwater Detention Pond Adjacent to Cow Bayou near Claiborne Park

ID# 041000045 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 Feasibility Assessment of Construction of a Stormwater Detention Pond Adjacent to Cow Bayou near

Claiborne Park

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 119

Goal(s)

## 100-Year Flood Risk Summary

Population at risk 10,805

# of structures 7,655

# of critical facilities 7

Flood risk type: Riverine? Yes

Coastal?

Local Flooding? No

Other? No

Farm/Ranch land impacted (ac.)

9,437

Roadways impacted (miles)

156

# of low water crossings

7

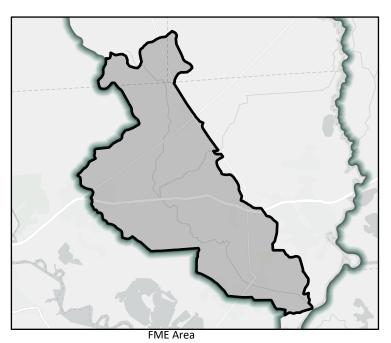
# of historical road closures

### **Estimated Cost and Funding Availability**

\$600,000 Cost

Potential federal funding availability?

Potential Federal **Funding Sources** 





**REGION 4** 

SABINE

**REGIONAL FLOOD PLANNING GROUP** 

Title Diversion Channel Cow Bayou Feasibility Study

ID# 041000062 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Project Planning County Orange

Study description Diversion Channel Cow Bayou Feasibility Study

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 119

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 10,805 # of structures 7,655 # of critical facilities 7

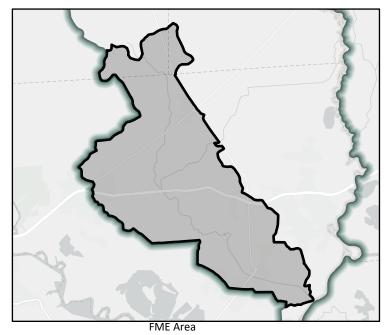
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 9,437 Roadways impacted (miles) 156

# of low water crossings 7 # of historical road closures

## **Estimated Cost and Funding Availability**

Total Cost \$5,209,500 Potential federal funding availability? Yes Potential Federal Funding Sources 0





**REGION 4** 

SABINE

**REGIONAL FLOOD PLANNING GROUP** 

Title Lawrence Road Detention Pond Feasibility Study

ID# 041000061 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Project Planning County Orange

Study description Lawrence Road Detention Pond Feasibility Study

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 119

Goal(s)

## 100-Year Flood Risk Summary

Population at risk 10,805 # of structures 7,655 # of critical facilities 7

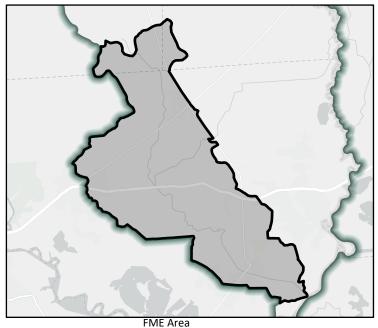
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 9,437 Roadways impacted (miles) 156

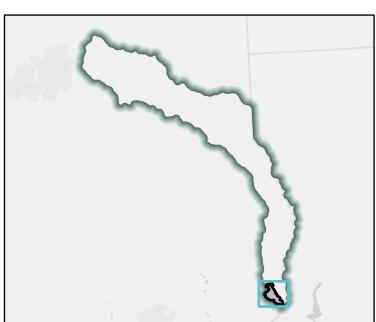
# of low water crossings 7 # of historical road closures

## **Estimated Cost and Funding Availability**

Total Cost \$400,000 Potential federal funding availability? Yes Potential Federal Funding Sources 0



ea Regional view of FME area



REGION 4

SABINE

**REGIONAL FLOOD PLANNING GROUP** 

Title Elevation of Feeder Road Bridge Along IH-10 at Cole Creek Feasibility Study

ID# 041000060 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

### **Study Details**

Study type Project Planning County Orange

Study description Elevation of Feeder Road Bridge Along IH-10 at Cole Creek Feasibility Study

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 119

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 10,805 # of structures 7,655 # of critical facilities 7

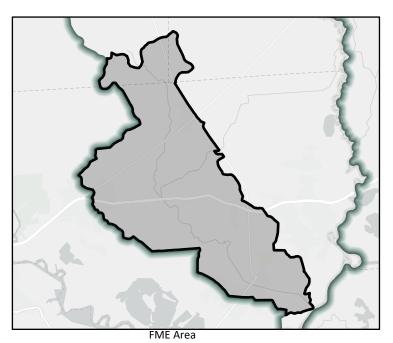
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 9,437 Roadways impacted (miles) 156

# of low water crossings 7 # of historical road closures

### **Estimated Cost and Funding Availability**

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





REGION 4

SABINE

**REGIONAL FLOOD PLANNING GROUP** 

Title Vidor Drainage Master Plan

Sponsor

Recommended by RFPG? Yes

Reason for Recommendation Align

Aligns with RFPG Goals

#### **Study Details**

ID# 041000020

Study type Waters

Watershed Planning County Orange

Study description Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 12

Goal(s)

### 100-Year Flood Risk Summary

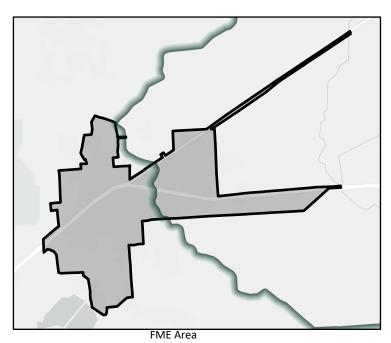
Population at risk 2,001 # of structures 1,154 # of critical facilities 0

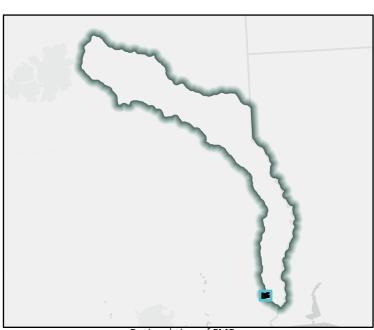
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 58 Roadways impacted (miles) 26 # of low water crossings 0 # of historical road closures 0

### **Estimated Cost and Funding Availability**

Total Cost \$1,200,000 Potential federal funding availability? Yes Potential Federal Funding Sources 0





**REGION 4** 

SABINE

REGIONAL FLOOD PLANNING GROUP

Title City of Canton Drainage Infrastructure Improvements Study

ID# 041000034 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

### **Study Details**

Study type Project Planning County Van Zandt

Study description Increase drainage capacity; install french drains or elevate building and upgrade undersized pipe under state Hwy

FME to create new H&H model? No Emergency Need? No Anticipated models in near term? No Drainage area (sq. mi., est.) 6

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 1,002 # of structures 231 # of critical facilities 12

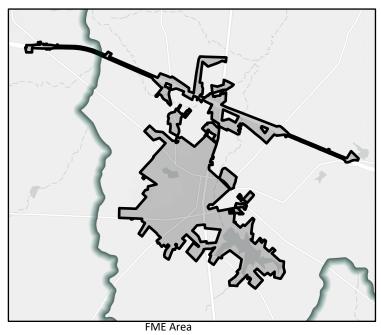
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

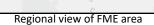
Farm/Ranch land impacted (ac.) 147 Roadways impacted (miles) 4

# of low water crossings 2 # of historical road closures 2

#### **Estimated Cost and Funding Availability**

Total Cost \$300,000 Potential federal funding availability? Yes Potential Federal Funding Sources 0





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**REGION 4** 

SABINE

REGIONAL FLOOD PLANNING GROUP

Title City of Fate Drainage Master Plan

ID# 041000021 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Watershed Planning County Rockwall, Collin, Hunt

Study description Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.

FME to create new H&H model? Yes

Emergency Need? No

Anticipated models in near term? No

Drainage area (sq. mi., est.) 12

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 128 # of structures 21 # of critical facilities 0

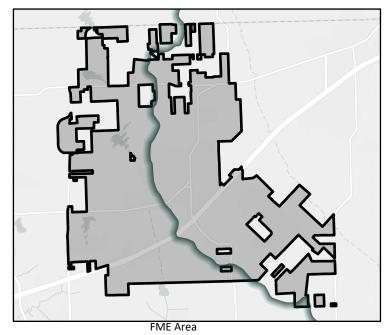
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

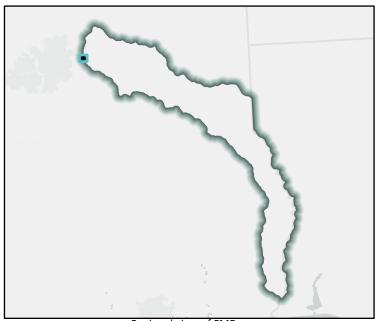
Farm/Ranch land impacted (ac.) 164 Roadways impacted (miles) 3

# of low water crossings 1 # of historical road closures

### **Estimated Cost and Funding Availability**

Total Cost \$450,000 Potential federal funding availability? Yes Potential Federal Funding Sources 0





REGION 4

SABINE

**REGIONAL FLOOD PLANNING GROUP** 

Title City of Fate Culvert Improvement Study

ID# 041000048

Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type

**Project Planning** 

County Rockwall, Collin, Hunt

Study description Culverts improvements to meet 100-YR fully developed conditions

FME to create new H&H model? Yes

Emergency Need? No

Anticipated models in near term? No

Drainage area (sq. mi., est.) 56

Goal(s)

## 100-Year Flood Risk Summary

Population at risk 694

# of structures 295

# of critical facilities 0

Flood risk type: Riverine? Yes

Coastal?

Local Flooding? No

Other? No

Farm/Ranch land impacted (ac.)

4,104

Roadways impacted (miles)

18

# of low water crossings

12

# of historical road closures

12

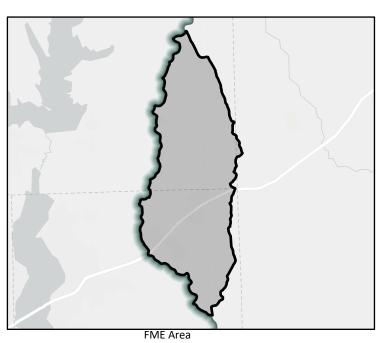
## **Estimated Cost and Funding Availability**

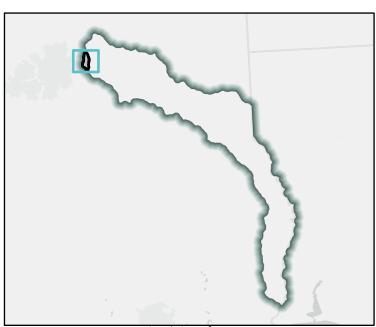
Total \$100,000

Potential federal

funding availability? Yes

Potential Federal Funding Sources





**REGION 4** 

REGIONAL FLOOD PLANNING GROUP

Title Nevada Drainage Master Plan

ID# 041000022 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type County Rockwall, Collin, Hunt Watershed Planning

Study description Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.

FME to create new H&H model? Yes

Emergency Need? No

Anticipated models in near term? No

Drainage area (sq. mi., est.) 2

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 3 # of critical facilities 0 # of structures 1

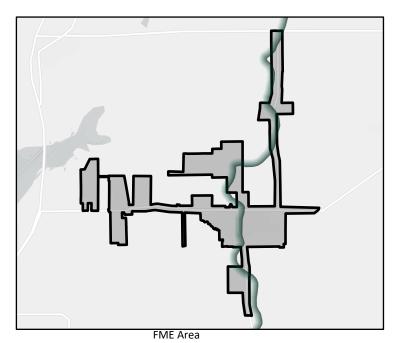
Coastal? Local Flooding? No Flood risk type: Riverine? Yes Other? No

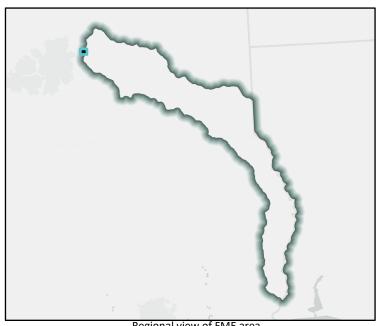
Farm/Ranch land impacted (ac.) 11 Roadways impacted (miles) 0

# of low water crossings 0 # of historical road closures

### **Estimated Cost and Funding Availability**

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





**REGION 4** 

**REGIONAL FLOOD PLANNING GROUP** 

Title City of Henderson Flood Instructure Improvements Study

ID# 041000037

Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

### **Study Details**

Study type **Project Planning**  County Rusk

Study description Replace riprap lining with a concrete lining to increase maintenance efficiency and flood protection.

FME to create new H&H model? No

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 12

Goal(s)

## 100-Year Flood Risk Summary

# of critical facilities 0 Population at risk 422 # of structures 27

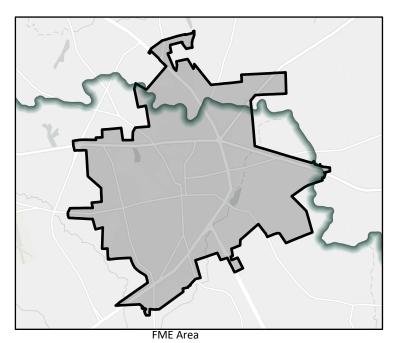
Coastal? Local Flooding? No Flood risk type: Riverine? Yes Other? No

Farm/Ranch land impacted (ac.) 15 Roadways impacted (miles) 0

# of historical road closures # of low water crossings 0

### **Estimated Cost and Funding Availability**

Potential federal Potential Federal \$200,000 funding availability? Yes **Funding Sources** Cost





**REGION 4** 

**REGIONAL FLOOD PLANNING GROUP** 

Title City of Henderson Storm Drain Improvement Study

ID# 041000038 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type County Rusk **Project Planning** 

Study description Install new storm drain system to address localized neighborhood drainage issues

FME to create new H&H model? No

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 12

Goal(s)

### 100-Year Flood Risk Summary

# of critical facilities 0 Population at risk 422 # of structures 27

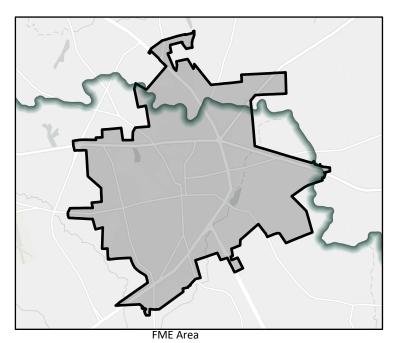
Coastal? Local Flooding? No Flood risk type: Riverine? Yes Other? No

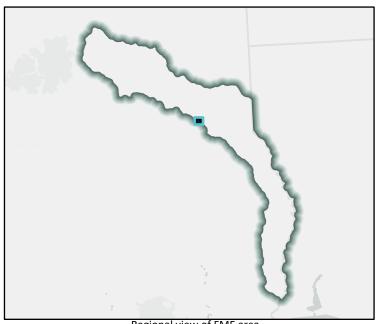
Farm/Ranch land impacted (ac.) 15 Roadways impacted (miles) 0

# of low water crossings 0 # of historical road closures

### **Estimated Cost and Funding Availability**

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





REGION 4

SABINE

REGIONAL FLOOD PLANNING GROUP

Title Longview Drainage Master Plan

ID# 041000025 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

**Study Details** 

Study type Watershed Planning County Rusk, Gregg

Study description Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 56

Goal(s)

100-Year Flood Risk Summary

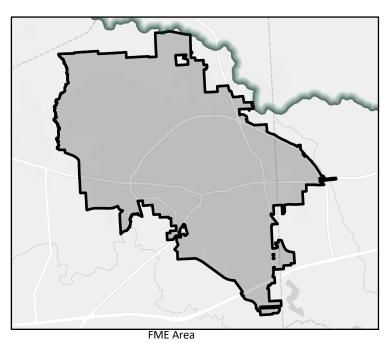
Population at risk 10,126 # of structures 1,379 # of critical facilities 9

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

Farm/Ranch land impacted (ac.) 295 Roadways impacted (miles) 41 # of low water crossings 0 # of historical road closures 0

**Estimated Cost and Funding Availability** 

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





**REGION 4** 

SABINE

**REGIONAL FLOOD PLANNING GROUP** 

Title City of Longview Critical Facilities Flood Protection Study

ID# 041000039 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

r Aligns with RFPG Goals

#### **Study Details**

Study type Project Planning County Gregg

Study description Ensure that critical facilities owned by the jurisdiction are protected from flood.

FME to create new H&H model? No Emergency Need? Yes Anticipated models in near term? No Drainage area (sq. mi., est.) 56

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 10,126 # of structures 1,379 # of critical facilities 9

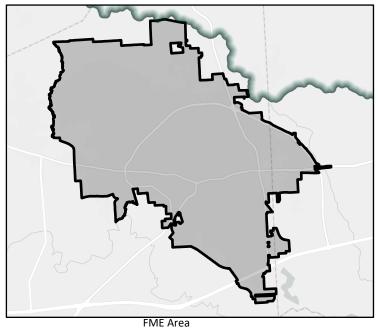
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 295 Roadways impacted (miles) 41

# of low water crossings 0 # of historical road closures 0

### **Estimated Cost and Funding Availability**

Total Section 2015 Potential federal funding availability? Yes Potential Federal Funding Sources O





**REGION 4** 

REGIONAL FLOOD PLANNING GROUP

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

**Study Details** 

ID# 041000028

Title Marshall Drainage Master Plan

Sponsor

Study type County Harrison Watershed Planning

Study description Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.

FME to create new H&H model? Yes Emergency Need? No Anticipated models in near term? No Drainage area (sq. mi., est.) 30

Goal(s)

### 100-Year Flood Risk Summary

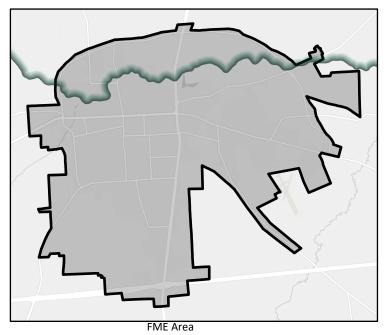
# of critical facilities 0 Population at risk 4,312 # of structures 561

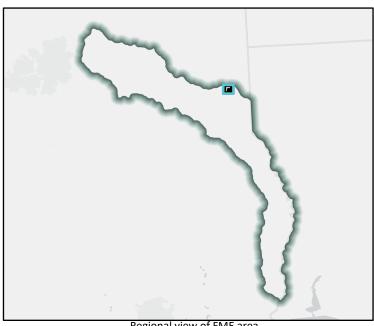
Coastal? Local Flooding? No Flood risk type: Riverine? Yes Other? No

Farm/Ranch land impacted (ac.) 222 Roadways impacted (miles) 18 # of low water crossings 0 # of historical road closures

**Estimated Cost and Funding Availability** 

Potential federal Potential Federal \$500,000 funding availability? Yes **Funding Sources** Cost





**REGION 4** 

SABINE

**REGIONAL FLOOD PLANNING GROUP** 

Title Parker Creek Detention Pond

ID# 041000056 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Project Planning County Harrison

Study description Feasibility Study of Parker Creek Detention Pond

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 47

Goal(s)

### 100-Year Flood Risk Summary

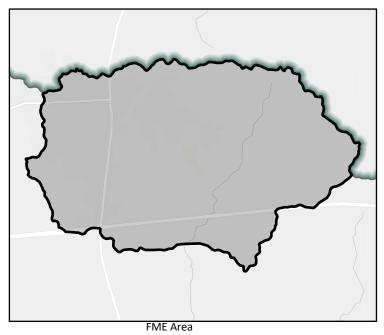
Population at risk 4,563 # of structures 598 # of critical facilities 1

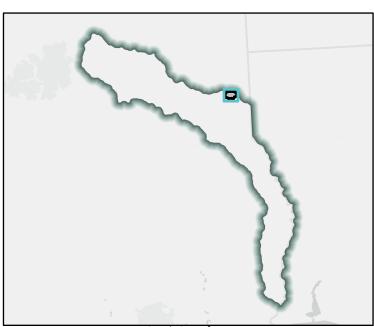
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 897 Roadways impacted (miles) 23
# of low water crossings 0 # of historical road closures 0

#### **Estimated Cost and Funding Availability**

Total Cost \$380,000 Potential federal funding availability? Yes Potential Federal Funding Sources 0





**REGION 4** 

SABINE

**REGIONAL FLOOD PLANNING GROUP** 

Title Parker Creek Corridor Study

ID# 041000063 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

n for Aligns with RFPG Goals

### **Study Details**

Study type Project Planning County Harrison

Study description Study of Parker Creek Corridor

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 47

Goal(s)

### 100-Year Flood Risk Summary

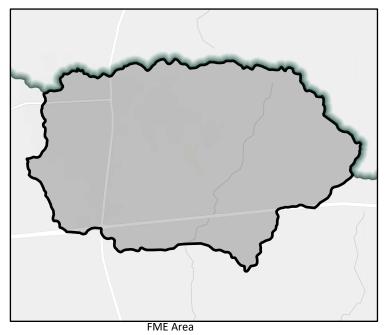
Population at risk 4,563 # of structures 598 # of critical facilities 1

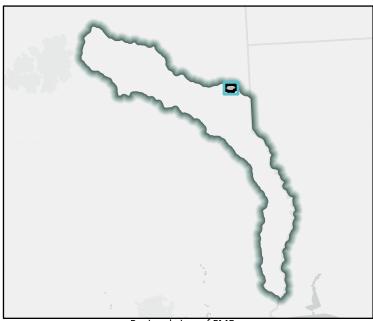
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 897 Roadways impacted (miles) 23
# of low water crossings 0 # of historical road closures 0

#### **Estimated Cost and Funding Availability**

Total Cost \$380,000 Potential federal funding availability? Yes Potential Federal Funding Sources 0





**REGION 4** 

SABINE

REGIONAL FLOOD PLANNING GROUP

ID# 041000029 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

**Study Details** 

Title Scottsville Drainage Master Plan

Study type Watershed Planning County Harrison

Study description Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.

FME to create new H&H model? Yes Emergency Need? No Anticipated models in near term? No Drainage area (sq. mi., est.) 1

Goal(s)

100-Year Flood Risk Summary

Population at risk 48 # of structures 22 # of critical facilities 0

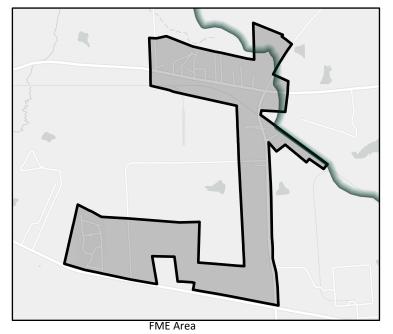
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

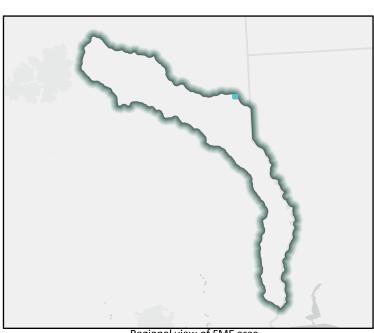
Farm/Ranch land impacted (ac.) 72 Roadways impacted (miles) 0

# of low water crossings 0 # of historical road closures 0

**Estimated Cost and Funding Availability** 

Total Cost \$300,000 Potential federal funding availability? Yes Potential Federal Funding Sources





REGION 4

SABINE

REGIONAL FLOOD PLANNING GROUP

Title Rains County Flood Hazard Mapping

ID# 041000016 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Watershed Planning County Rains, Hunt

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.) 257

Goal(s)

## 100-Year Flood Risk Summary

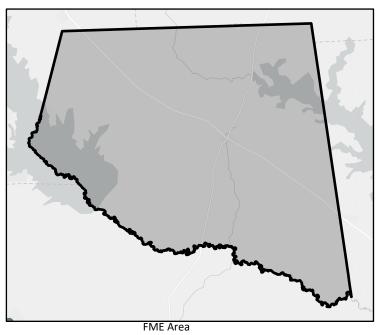
Population at risk 258 # of structures 277 # of critical facilities 0

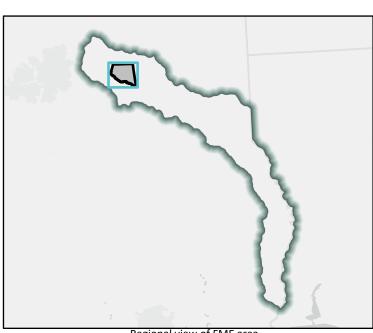
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 13,842 Roadways impacted (miles) 35
# of low water crossings 4 # of historical road closures 4

### **Estimated Cost and Funding Availability**

Total Cost \$2,100,000 Potential federal funding availability? Potential Federal Funding Sources Potential Federal funding availability?





**REGION 4** 

REGIONAL FLOOD PLANNING GROUP

Title Rains County Drainage Master Plan

ID# 041000017

Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

### **Study Details**

Study type

Watershed Planning

County Rains, Hunt

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.) 257

Goal(s)

## 100-Year Flood Risk Summary

Population at risk 258

# of structures 277

# of critical facilities 0

Flood risk type: Riverine? Yes

Coastal?

Local Flooding? No

Other? No

Farm/Ranch land impacted (ac.)

13,842

Roadways impacted (miles)

35

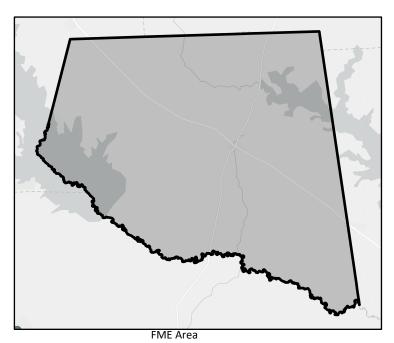
# of low water crossings

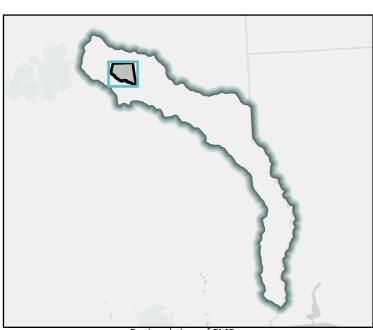
# of historical road closures

## **Estimated Cost and Funding Availability**

\$600,000 Cost

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





REGION 4

SABINE

**REGIONAL FLOOD PLANNING GROUP** 

Title City of Edgewood Stormwater Drain and Culvert Improvement Study

ID# 041000030 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

### **Study Details**

Study type Project Planning County Van Zandt

Study description Install and upgrade undersized stormwater drains and culverts

FME to create new H&H model? No

Emergency Need? No

Anticipated models in near term? No

Drainage area (sq. mi., est.) 1

Goal(s)

## 100-Year Flood Risk Summary

Population at risk 22 # of structures 27 # of critical facilities 0

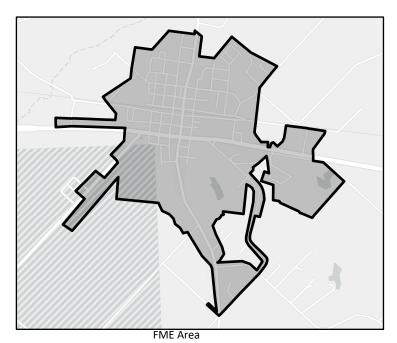
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

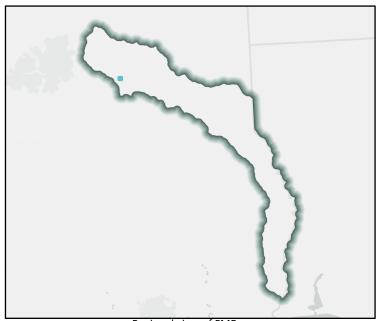
Farm/Ranch land impacted (ac.) 29 Roadways impacted (miles) 1

# of low water crossings 0 # of historical road closures 0

### **Estimated Cost and Funding Availability**

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





Regional view of FME area

REGION 4

SABINE

REGIONAL FLOOD PLANNING GROUP

Title City of Edgewood Stormwater Detention Study

ID# 041000031 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Project Planning County Van Zandt

Study description Increase drainage capacity; add stormwater detention and / or retention basins as deemed necessary to reduce flood risk upstream of

**Edgewood City Dam** 

FME to create new H&H model? No

Emergency Need? No

Anticipated models in near term? No

Drainage area (sq. mi., est.) 1

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 22 # of structures 27 # of critical facilities 0

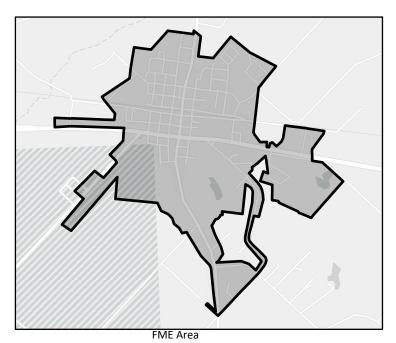
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

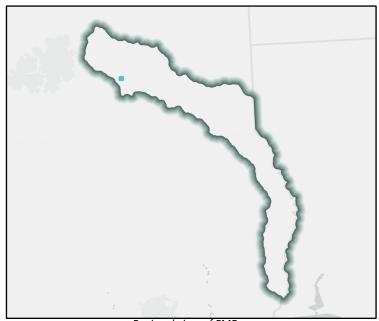
Farm/Ranch land impacted (ac.) 29 Roadways impacted (miles)

# of low water crossings 0 # of historical road closures 0

### **Estimated Cost and Funding Availability**

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





Regional view of FME area

**REGION 4** 

SABINE

REGIONAL FLOOD PLANNING GROUP

Title City of Greenville Critical Facilities Flood Protection Study

ID# 041000032 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

### **Study Details**

Study type Project Planning County Hunt

Study description Elevation or flood proofing of critical structures and/or the construction of barriers around critical structures

FME to create new H&H model? No

Emergency Need? No

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 33

Goal(s)

## 100-Year Flood Risk Summary

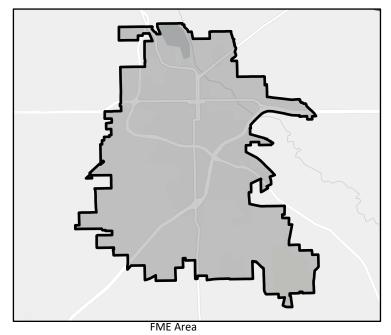
Population at risk 5,509 # of structures 429 # of critical facilities 28

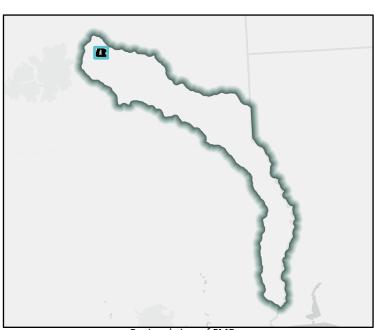
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 1,339 Roadways impacted (miles) 26
# of low water crossings 0 # of historical road closures 0

### **Estimated Cost and Funding Availability**

Total Cost \$300,000 Potential federal funding availability? Yes Potential Federal Funding Sources 0





**REGION 4** 

SARINF

**REGIONAL FLOOD PLANNING GROUP** 

Title North Airport Retention Pond

Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

### **Study Details**

ID# 041000055

Study type County Greenville **Project Planning** 

Study description Feasibility Study of North Airport Retention Pond

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 80

Goal(s)

### 100-Year Flood Risk Summary

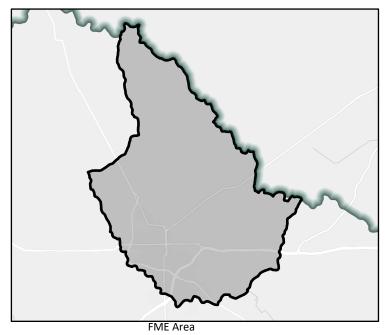
# of critical facilities 3 Population at risk 1,702 # of structures 489

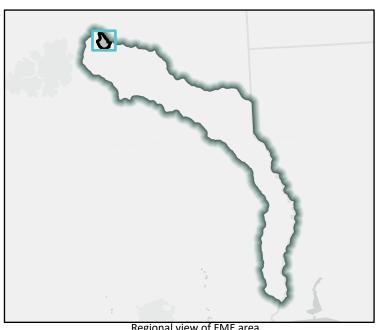
Coastal? Local Flooding? No Flood risk type: Riverine? Yes Other? No

Farm/Ranch land impacted (ac.) 5,957 Roadways impacted (miles) 29 # of historical road closures # of low water crossings 0

## **Estimated Cost and Funding Availability**

Potential federal Potential Federal \$640,000 funding availability? Yes **Funding Sources** Cost





**REGION 4** 

REGIONAL FLOOD PLANNING GROUP

Title City of Fruitvale Drainage Infrastructure Improvement Study

ID# 041000033 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

### **Study Details**

Study type **Project Planning**  County Van Zandt

Study description 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.

FME to create new H&H model? No

Emergency Need? No

Anticipated models in near term? No

Drainage area (sq. mi., est.) 2

Goal(s)

## 100-Year Flood Risk Summary

# of critical facilities 0 Population at risk 12 # of structures 4

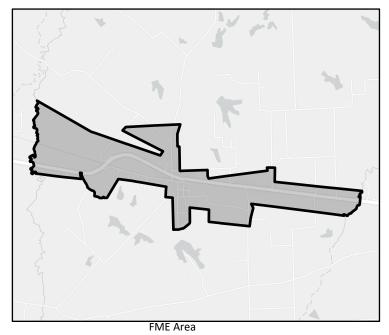
Local Flooding? No Flood risk type: Riverine? Yes Coastal? Other? No

Farm/Ranch land impacted (ac.) 127 Roadways impacted (miles)

# of low water crossings 0 # of historical road closures

### **Estimated Cost and Funding Availability**

Potential federal Potential Federal \$200,000 funding availability? **Funding Sources** Cost





**REGION 4** 

REGIONAL FLOOD PLANNING GROUP

Title City of Newton Drainage Master Plan

ID# 041000023 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type

Watershed Planning

County Newton

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? No

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 5

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 164

# of structures 96

# of critical facilities 17

Flood risk type: Riverine? Yes

Coastal?

Local Flooding? No

Other? No

Farm/Ranch land impacted (ac.)

33

Roadways impacted (miles)

3

# of low water crossings

2

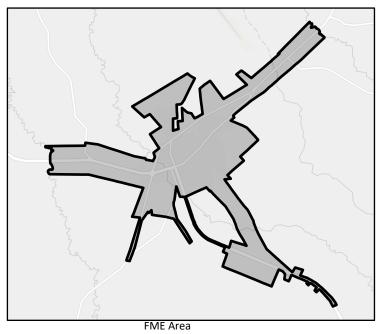
# of historical road closures

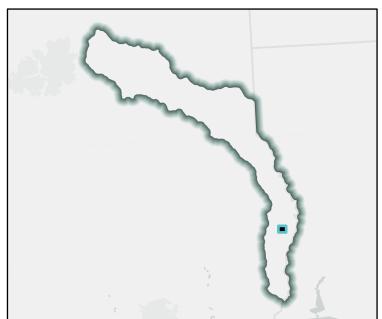
### **Estimated Cost and Funding Availability**

\$100,000 Cost

Potential federal funding availability? Yes

Potential Federal **Funding Sources** 





REGION 4

SABINE

**REGIONAL FLOOD PLANNING GROUP** 

Title Newton Drainage Master Plan

ID# 041000024 Sp

Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

### **Study Details**

Study type W

Watershed Planning

County Newton

Study description Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.

FME to create new H&H model? Yes

Emergency Need? No

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 5

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 164 # of structures 96 # of critical facilities 17

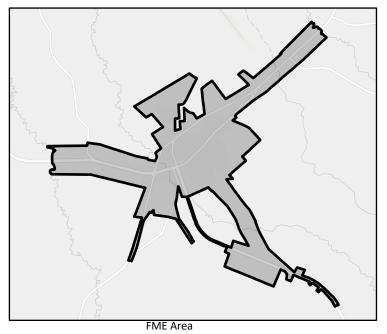
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 33 Roadways impacted (miles) 3

# of low water crossings 2 # of historical road closures 2

## **Estimated Cost and Funding Availability**

Total Cost \$400,000 Potential federal funding availability? Yes Potential Federal Funding Sources 0





Regional view of FME area

56 of 63

**REGION 4** 

SABINE

REGIONAL FLOOD PLANNING GROUP

Title City of Kilgore Drainage Infrastructure Improvements Study

ID# 041000035 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Project Planning County Rusk

Study description Improvements to drainage infrastructure in the downtown area by installing new inlets and storm drains

FME to create new H&H model? No Emergency Need? No Anticipated models in near term? No Drainage area (sq. mi., est.) 19

Goal(s)

### 100-Year Flood Risk Summary

Population at risk 870 # of structures 296 # of critical facilities 3

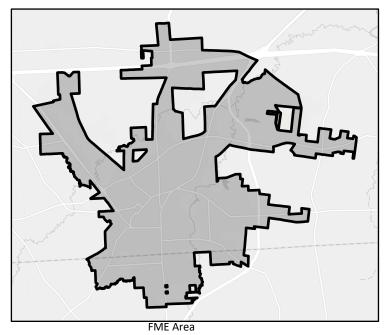
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

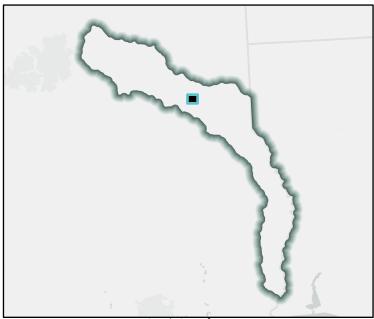
Farm/Ranch land impacted (ac.) 96 Roadways impacted (miles) 15

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

## **Estimated Cost and Funding Availability**

Total cost \$300,000 Potential federal funding availability? Yes Potential Federal Funding Sources 0





**REGION 4** 

REGIONAL FLOOD PLANNING GROUP

Title City of Kilgore Library Drainage Improvement Study

ID# 041000036 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type **Project Planning** County Rusk

Study description Construct network of underground drainage structures to capture and direct subsurface water away from the library structure

FME to create new H&H model? No Emergency Need? Yes Anticipated models in near term? No Drainage area (sq. mi., est.) 19

Goal(s)

### 100-Year Flood Risk Summary

# of critical facilities 3 Population at risk 870 # of structures 296

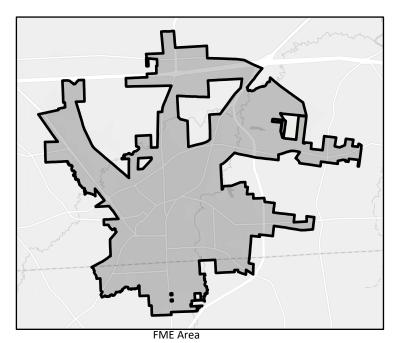
Coastal? Local Flooding? No Flood risk type: Riverine? Yes Other? No

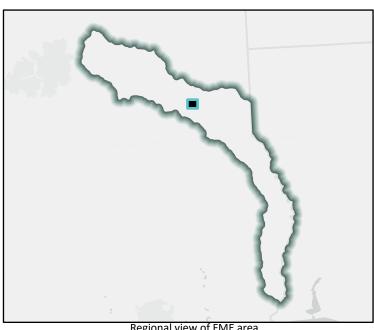
Farm/Ranch land impacted (ac.) 96 Roadways impacted (miles) 15 # of low water crossings

# of historical road closures 3

### **Estimated Cost and Funding Availability**

Potential federal Potential Federal \$400,000 funding availability? Yes **Funding Sources** Cost





**REGION 4** 

SABINE

REGIONAL FLOOD PLANNING GROUP

Title West Orange Drainage Improvements Study

ID# 041000051 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Project Planning County Orange

Study description West Orange Drainage Improvements Study to quantify benefits, evaluate impacts, and begin design.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 3

Goal(s)

## 100-Year Flood Risk Summary

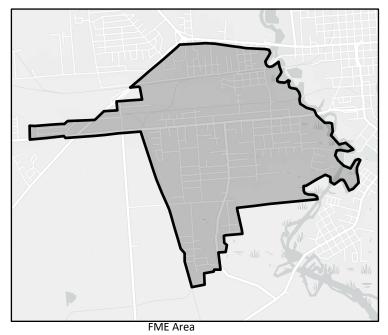
Population at risk 2,020 # of structures 1,143 # of critical facilities 0

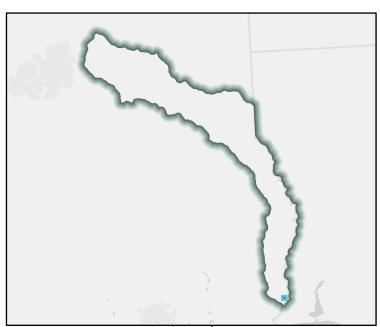
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 30 Roadways impacted (miles) 20 # of low water crossings 0 # of historical road closures 0

## **Estimated Cost and Funding Availability**

Total Cost \$350,000 Potential federal funding availability? Yes Potential Federal Funding Sources 0





Regional view of FME area

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**REGION 4** 

REGIONAL FLOOD PLANNING GROUP

Title Lone Oak - Dam Inundation Study

Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

### **Study Details**

ID# 041000040

Study type Other County Hunt

Study description Dam inundation study, safety study, and inventory of mitigation activities to implement for the county dams.

FME to create new H&H model? No Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 1

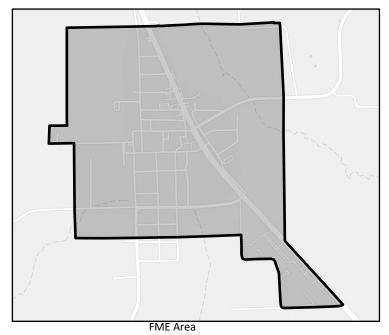
Goal(s)

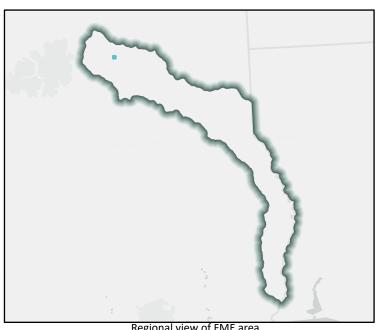
### 100-Year Flood Risk Summary

# of critical facilities 0 Population at risk 2 # of structures 3 Coastal? Local Flooding? No Flood risk type: Riverine? Yes Other? No Farm/Ranch land impacted (ac.) 30 Roadways impacted (miles) 0 # of low water crossings 0 # of historical road closures

### **Estimated Cost and Funding Availability**

Potential federal Potential Federal \$500,000 funding availability? Yes **Funding Sources** Cost





REGION 4

SABINE

REGIONAL FLOOD PLANNING GROUP

Title Josephine Drainage Master Plan

ID# 041000026 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

#### **Study Details**

Study type Watershed Planning County Collin, Hunt

Study description Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.

FME to create new H&H model? Yes

Emergency Need? No

Anticipated models in near term? No

Drainage area (sq. mi., est.) 2

Goal(s)

## 100-Year Flood Risk Summary

Population at risk 126 # of structures 94 # of critical facilities 0

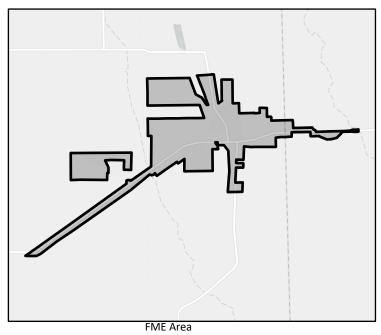
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

Farm/Ranch land impacted (ac.) 110 Roadways impacted (miles)

# of low water crossings 1 # of historical road closures 2

## **Estimated Cost and Funding Availability**

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





REGION 4

SABINE

REGIONAL FLOOD PLANNING GROUP

Title Kirbyville Drainage Master Plan

ID# 041000027 Sponsor

Recommended by RFPG? Yes

Reason for Recommendation

Aligns with RFPG Goals

### **Study Details**

Study type Watershed Planning County Jasper, Newton

Study description Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.

FME to create new H&H model? Yes

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

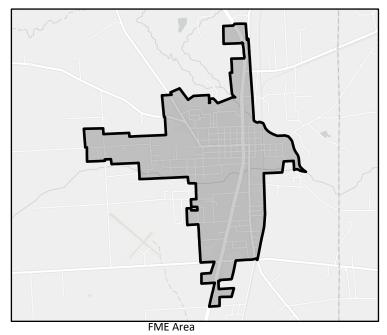
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

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





## Flood Management Evaluation (FME)

REGION 4

SABINE

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

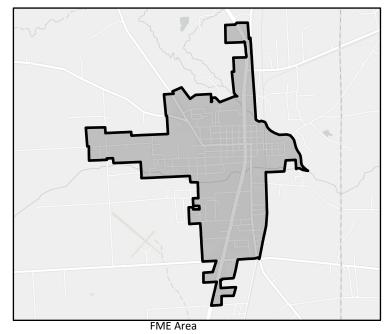
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? No

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





# Flood Mitigation Project (FMP)

Kilgore Downtown Storm Sewer Master Plan Improvements

ID# 043000018 Sponsor Kilgore (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG goals

## **Project Description**

**Downtown Storm Sewer Improvements** 

Watershed HUC# (if known) 120100020502,120100020503

Emergency Need? No

Drainage area (mi² est.) 1

Associated FMEs 999999

County Gregg

Associated FMSs 999999

999999 Associated FMPs

## **Existing 100-Year Flood Risk**

Flood risk type:	Riverine?	Yes	Coastal? No	Local? No	Playa? No	Other? No
Population at risk (	0		# of structures (		Critical facilities 0	
Farm/Ranch land in	mpacted (acr	res) 0		Roadway(s) impacted (length)	2	
Number of low wa	ter crossings	0		Historical road closures -		

## 100-Year Flood Risk Reduction

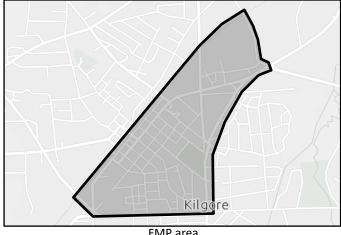
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	1	Low water crossings removed from 100-yr	0
Other benefits None		Reduction in # of road closures over 10 years	-

## **Impacts**

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

## **Estimated Cost**

Project Cost	\$2,242,305	% Nature-Based 0	BCR 0
Recurring cost	s <sub>-</sub>	Issues -	







## Flood Mitigation Project (FMP)

Sabine Pass to Galveston Bay Coastal Storm Risk Management Project

ID# 043000017 Sponsor Orange County Drainage District REGIONAL FLOOD PLANNING GROUP

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

Drainage area (mi<sup>2</sup> est.) 265

Associated FMEs 999999

County Orange, Newton

Associated FMSs 999999

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 structure	s 7,929			Critical facilities 206	
Farm/Ranch land in	mpacted (acre	es) 3,495		Roa	dway(s) impacted (le	ength)	158	
Number of low wa	ter crossings	21		Hist	corical road closures	-		

## 100-Year Flood Risk Reduction

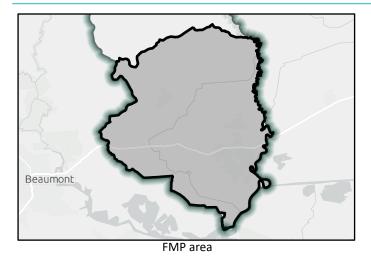
Population removed from 100-yr	2,375	# of structures removed from 100-yr	1,618
Critical facilities removed from 100-yr	9	Farm/Ranch land removed from 100-yr (acres)	1,679
Road removed from 100-yr (miles)	28	Low water crossings removed from 100-yr	21
Other benefits Environmental, Water	er Quality	Reduction 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 cost	S _	Issues -	





Regional view of FMP area

City of Longview Flood Awareness Program Title

ID# 042000034 Sponsor Longview (Municipality)



County

Gregg

RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type **Education and Outreach** 

Strategy description Promote the "Turn Around Don't Drown" campaign, in partnership with DPS.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Watershed HUC# (if known)

Drainage area (mi², est.) 56 120100020506, 120100020601, 120100020504, 120100020505,

120100020602

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.

## **Existing 100-Year Flood Risk**

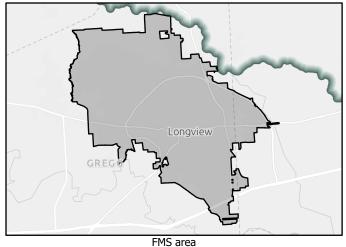
Population at risk 10,126		# o	f structures	1,379		Critical facilities 9			
Flood risk type: Riverine	? Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 295			Roadway(s) ir	npacted (miles)	41				
Number of low water crossings 0		Historical roa	d closures	0					

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,000 % Nature-Based 0



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City of Longview Flood Mitigation Training Program Title

ID# 042000035 Sponsor Longview (Municipality)



County

Gregg

RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Regulatory and Guidance

Strategy description Seek state and FEMA sponsored training in flood mitigation for key personnel.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi², est.) 120100020504, 120100020505, 120100020506, 120100020601, Watershed HUC# (if known)

120100020602

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**

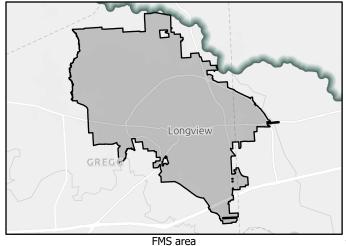
Population at risk 10,126		# of	f structures	1,379		Critical facilities 9			
Flood risk type: Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 295			Roadway(s) ir	npacted (miles)	41				
Number of low water crossings 0		Historical roa	d closures	0					

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$2,000 % Nature-Based 0



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Longview Flood Mitigation Floodplain Development Regulations Title

ID# 042000036 Sponsor Longview (Municipality)



Gregg

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 Associated FMPs 999999 999999

Associated FMSs 999999

Watershed HUC# (if known)

Drainage area (mi<sup>2</sup>, est.) 56 120100020504, 120100020505, 120100020506, 120100020601,

> 120100020602 County

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**

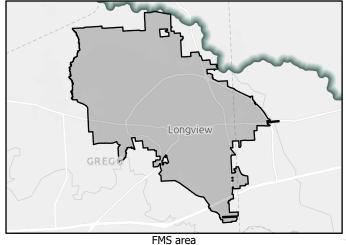
Population at risk 10,126	# of structures	1,379	Critical facilities 9	
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres) 295		Roadway(s) impacted (miles)	41	
Number of low water crossings 0		Historical road closures	0	

## **Impacts**

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

### **Estimated Cost**

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



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City of Longview Online Flood Awareness Program Title

ID# 042000037 Sponsor Longview (Municipality)



Gregg

RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **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 Associated FMPs 999999 999999

Associated FMSs 999999

Drainage area (mi², est.) 56 120100020504, 120100020505, 120100020506, 120100020601,

Watershed HUC# (if known) 120100020602 County

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.

## **Existing 100-Year Flood Risk**

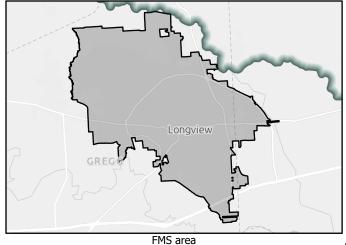
Population at risk 10,126		# of	f structures	1,379		Critical facilities 9			
Flood risk type: Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 295			Roadway(s) ir	npacted (miles)	41				
Number of low water crossings 0		Historical roa	d closures	0					

## **Impacts**

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

### **Estimated Cost**

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





Regional view of FMS area

City of Longview Regulatory Flood Hazard Map Program Title

ID# 042000038 Sponsor Longview (Municipality)



County

Gregg

RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Regulatory and Guidance

Strategy description Work with state and federal agencies to maintain current flood maps.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Watershed HUC# (if known)

Drainage area (mi², est.) 120100020504, 120100020505, 120100020506, 120100020601,

120100020602

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**

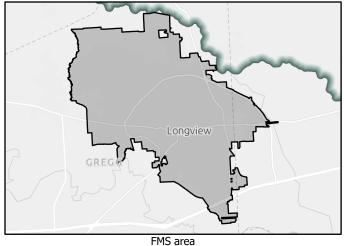
Population at risk 10,126 # of stru		1,379	Critical facilities 9			
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No		
Farm/Ranch land impacted (acres) 295		Roadway(s) impacted (miles)	41			
Number of low water crossings 0		Historical road closures	0			

## **Impacts**

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

### **Estimated Cost**

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



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City of Longview Property Acquisition Program Title

ID# 042000039 Sponsor Longview (Municipality)



Gregg

RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Property Acquisition and Structural Elevation

Strategy description Implementation of program to purchase properties and severe loss-repetitive loss homes in floodplain areas to reserve them

from development.

Associated FMEs Associated FMPs 999999 999999

Associated FMSs 999999

Watershed HUC# (if known)

Drainage area (mi², est.) 56 120100020504, 120100020505, 120100020506, 120100020601,

> 120100020602 County

Goal 1: Reduce exposure of existing structures in flood prone areas by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## **Existing 100-Year Flood Risk**

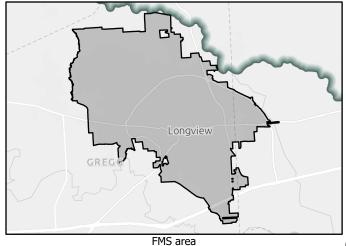
Population at risk 10,126		# o	f structures	1,379		Critical facilities 9			
Flood risk type: Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 295		Roadway(s) impacted (miles)		41					
Number of low water crossings 0		Historical road closures		0					

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$100,000 % Nature-Based 0



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City of Longview Dam Development Title

ID# 042000041 Sponsor Longview (Municipality)



County

Gregg

RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Regulatory and Guidance

Strategy description Promote FEMA-recommended construction methods for any new dam

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Watershed HUC# (if known)

Drainage area (mi², est.) 120100020506, 120100020504, 120100020505, 120100020601,

120100020602

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**

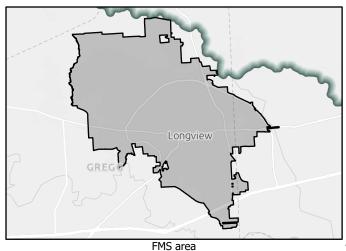
Population at risk 10,126 # of structures		1,379	Critical facilities 9				
Flood risk type: Riverine? Yes Co	Coastal? No	Local? No	Playa? No	Other? No			
Farm/Ranch land impacted (acres) 295		Roadway(s) impacted (	(miles) 41	41			
Number of low water crossings 0		Historical road closure	s 0				

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,000 % Nature-Based 0





Regional view of FMS area

City of Kilgore "StormReady" Program Title

ID# 042000030 Sponsor Kilgore (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type **Education and Outreach** 

Strategy description 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.

Associated FMEs Associated FMPs 999999 999999

Associated FMSs 999999

Drainage area (mi², est.) 19

120100020506, 120100020405, 120100020502, 120100020503 Watershed HUC# (if known)

> County Gregg, Rusk

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.

## **Existing 100-Year Flood Risk**

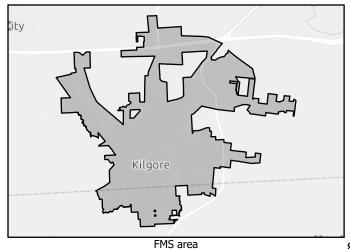
Population at risk 870 # of structur		296	Critical facilities 3			
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No		
Farm/Ranch land impacted (acres) 96		Roadway(s) impacted (miles)	15			
Number of low water crossings 3		Historical road closures	3			

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$5,000 % Nature-Based 0





City of Clarksville City Flood Infrastructure Inspection and Maintenance Title Program

ID# 042000033 Sponsor Clarksville City (Municipality)

**REGION 4** REGIONAL FLOOD PLANNING GROUP

RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Other

Strategy description Monitor flood-prone areas and remove debris from drainage culverts when needed to alleviate potential flooding hazards.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi², est.)

120100020405 Watershed HUC# (if known)

> County Gregg, Upshur

Goal 1: Increase number of communities with documented, operational and funded stormwater asset management plan and maintenance operations to 50%.

## **Existing 100-Year Flood Risk**

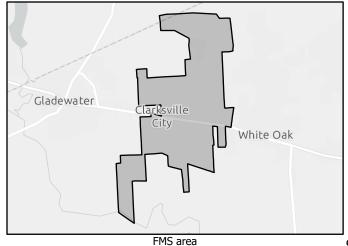
pulation at risk 29 # of structures 2!		25	25 Critical facilities 0					
Flood risk type: Riverine? Yes	Coastal? No	Local?	No	Playa?	No	Other?	No	
Farm/Ranch land impacted (acres) 118		Roadway(s) imp	pacted (miles)	1				
Number of low water crossings 0		Historical road	closures	0				

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$20,000 % Nature-Based 0



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City of Gladewater Flood Awareness Program Title

ID# Sponsor Gladewater (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type **Education and Outreach** 

Strategy description 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.

Associated FMEs Associated FMPs 999999 999999

Associated FMSs 999999

Drainage area (mi², est.)

120100020405 Watershed HUC# (if known)

> County Gregg, Upshur

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.

## **Existing 100-Year Flood Risk**

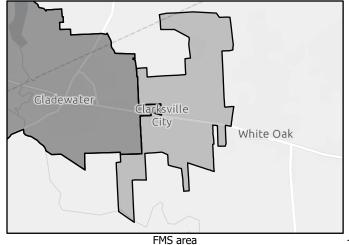
Population at risk 29 # of s		f structures	25		Critical facilities 0				
Flood risk type: Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 118		Roadway(s) impacted (miles)		1					
Number of low water crossings 0		Historical road closures		0					

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,000 % Nature-Based 0



Houston Regional view of FMS area

Dallas

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Austin

City of Gladewater Flood Awareness Program Title

ID# Sponsor Gladewater (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **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 Associated FMPs 999999 999999

Associated FMSs 999999

Drainage area (mi², est.)

120100020402, 120100020403, 120100020405 Watershed HUC# (if known)

> County Gregg, Upshur

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.

## **Existing 100-Year Flood Risk**

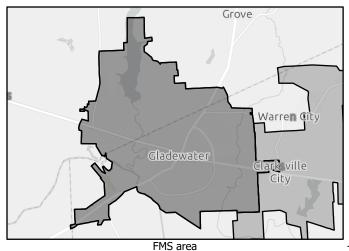
Population at risk 225 # of structures		146		Critical facilities 0			
Flood risk type: Riverine? Yes Coa	astal? No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 308		Roadway(s) impacted (miles)		4			
Number of low water crossings 0		Historical road closures		0			

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,000 % Nature-Based 0





Regional view of FMS area

City of Gladewater Flood Awareness Program Title

ID# 042000027 Sponsor Gladewater (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

**Strategy Details** 

Strategy type **Education and Outreach** 

Strategy description Develop and implement the "Turn Around, Don't Drown Program"

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

120100020402, 120100020403, 120100020405 Watershed HUC# (if known)

Drainage area (mi², est.)

County Gregg, Upshur

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.

## **Existing 100-Year Flood Risk**

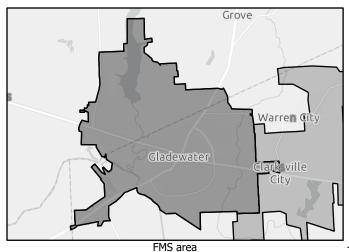
Population at risk 25 # of structur		f structures	146		Critical facilities 0				
Flood risk type: Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 308		Roadway(s) impacted (miles)		4					
Number of low water crossings 0		Historical road closures		0					

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,000 % Nature-Based 0





Regional view of FMS area

Title City of Gladewater Flood Infrastructure Maintenance Program

ID# 042000028 Sponsor Gladewater (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type

Other

Strategy description

Implement program to remove debris from drainage culverts when needed to alleviate potential flooding hazards

Associated FMEs

999999

Associated FMPs 999999

Associated FMSs

999999

Drainage area (mi², est.)

.

Watershed HUC# (if known)

120100020402, 120100020403, 120100020405

County

Gregg, Upshur

Goal 1: Increase number of communities with documented, operational and funded stormwater asset management plan and maintenance operations to 50%.

## **Existing 100-Year Flood Risk**

Population at risk 225 # of structures		146		Critical facilities 0					
Flood risk type: Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 308		Roadway(s) impacted (miles)		4					
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

% Nature-Based 0

## **Estimated Cost**

**Strategy Cost** 

\$20,000

Amount of available funding \$





Regional view of FMS area

City of Marshall Property Acquisition Program Title

ID# 042000052 Sponsor Marshall (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Property Acquisition and Structural Elevation Strategy type

Strategy description Encourage development of acquisition and management strategies to preserve open space for flood mitigation and water

quality in the floodplain.

Associated FMEs Associated FMPs 999999 999999

Associated FMSs 999999

Drainage area (mi², est.) 30

120100020703, 120100020701, 120100020702, 120100020704 Watershed HUC# (if known)

> County Harrison

Goal 1: Reduce exposure of existing structures in flood prone areas by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## **Existing 100-Year Flood Risk**

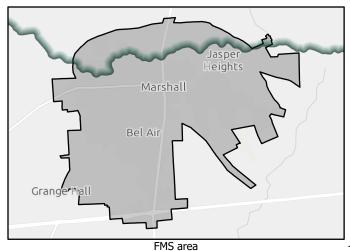
Population at risk 4,312 # of structures		561	Critical facilities 0			
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No		
Farm/Ranch land impacted (acres) 222		Roadway(s) impacted (miles)	18			
Number of low water crossings 0		Historical road closures	0			

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$50,000 % Nature-Based 0





Regional view of FMS area

City of Como Flood Awareness Program Title

ID# 042000049 Sponsor Como (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type **Education and Outreach** 

Strategy description Disseminate PSA's, Newspaper Articles through local media about dangers of flooded county roads and to "Turn Around; Don't

Drown."

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi², est.)

120100030201 Watershed HUC# (if known)

County Hopkins

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.

## **Existing 100-Year Flood Risk**

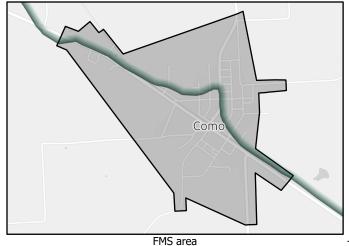
Population at risk 1	k 1 # of structures 3		3 Critical facilities 0					
Flood risk type: Riverine? Yes	Coastal? No	Local?	No	Playa?	No	Other?	No	
Farm/Ranch land impacted (acres) 11		Roadway(s) impacted (miles)		0				
Number of low water crossings 0		Historical roa	d closures	0				

## **Impacts**

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

### **Estimated Cost**

\$10,000 Amount of available funding **Strategy Cost** % Nature-Based 0





Regional view of FMS area

City of Cumby Flood Awareness Program Title

ID# 042000050 Sponsor Cumby (Municipality)



Drainage area (mi², est.)

Hopkins

Aligns with RFPG Goals RFPG recommend? Yes Reason for Recommendation

**Strategy Details** 

Strategy type **Education and Outreach** 

Strategy description Develop and implement the "Turn Around, Don't Drown Program"

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

120100030101, 120100030104 Watershed HUC# (if known)

County

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.

## **Existing 100-Year Flood Risk**

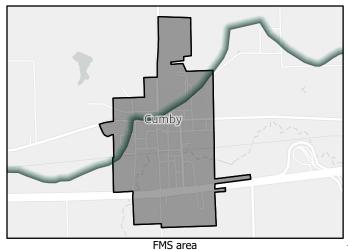
Population at risk 0 # of structures		0		
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres) 4		Roadway(s) impacted (miles)	0	
Number of low water crossings 0		Historical road closures	0	

## **Impacts**

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

### **Estimated Cost**

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



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City of Cumby Flood Awareness Program

ID# 042000051 Sponsor Cumby (Municipality)



Drainage area (mi², est.)

RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

**Strategy Details** 

Title

Strategy type **Education and Outreach** 

Strategy description Disseminate PSA's, Newspaper Articles through local media about dangers of flooded county roads

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

120100030101, 120100030104 Watershed HUC# (if known)

County Hopkins

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.

**Existing 100-Year Flood Risk** 

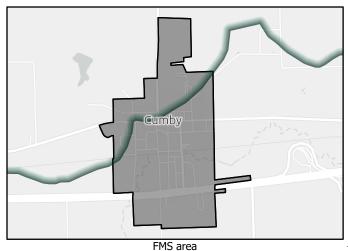
Population at risk 0	# of structures	0	Critical facilities 0	
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres) 4		Roadway(s) impacted (miles)	0	
Number of low water crossings 0	Historical road closures	0		

**Impacts** 

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

**Estimated Cost** 

Amount of available funding **Strategy Cost** \$11,500 % Nature-Based 0





City of Greenville NFIP Participation Title

ID# 042000013 Sponsor Greenville (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

### **Strategy Details**

Strategy type Regulatory and Guidance

Strategy description 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 Associated FMPs 999999 999999

Associated FMSs 999999

Drainage area (mi<sup>2</sup>, est.) 33

120100010103, 120100010102, 120100010204, 120100010401 Watershed HUC# (if known)

> County Hunt

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**

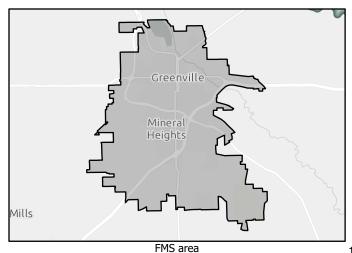
Population at risk 5,509		# 0	f structures	429		Critical	facilities 28		
Flood risk type: Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 1,339				Roadway(s) ir	mpacted (miles)	26			
Number of low water crossings 0				Historical roa	d closures	0			

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,000 % Nature-Based 0





Regional view of FMS area

**Orange County Property Buyouts** Title

ID# 042000002 Sponsor Orange (County)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Property Acquisition and Structural Elevation

Strategy description 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.

Associated FMEs Associated FMPs 999999 999999

Associated FMSs 999999

Drainage area (mi², est.) 371

120100051100,120100051003,120100051004,120100051005 Watershed HUC# (if known)

> County Orange

Goal 1: Reduce exposure of existing structures in flood prone areas by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## **Existing 100-Year Flood Risk**

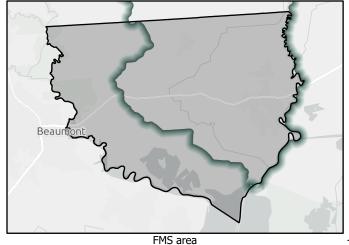
Population at risk 26,881		# of structures		16,974		Critical fa	acilities 276		
Flood risk type: Riverine? Ye	s Co	pastal?	Yes	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 17,171				Roadway(s) in	npacted (miles)	364			
Number of low water crossings 22				Historical road	d closures	22			

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$100,000 % Nature-Based 0





Orange County Drainage District Flood Warning System Title

ID# 042000003 Sponsor Orange (County)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Flood Measurement and Warning

Strategy description Improvement of existing flood warning system

**Associated FMEs** 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi², est.) 120100051100,120100051003,120100051004,120100051005 Watershed HUC# (if known)

County Orange

Goal 1: Increase number of monitoring gages and associated real time reporting technology installed and maintained in the region to 1 in 50% of HUC10s.

## **Existing 100-Year Flood Risk**

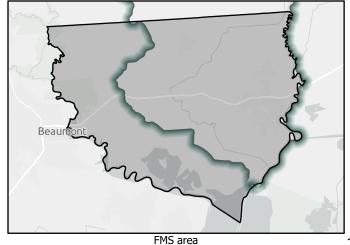
Population at risk 26,881		# o	f structures	16,974		Critical facilities 276				
Flood risk type: Riverine?	Yes	Coastal?	Yes	Local?	No	Playa?	No	Other?	No	
Farm/Ranch land impacted (acres) 17,171				Roadway(s) ir	npacted (miles)	364				
Number of low water crossings	. ,			Historical roa	d closures	22				

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$150,000 % Nature-Based 0





Regional view of FMS area

Orange County Detention Ponds Throughout County Title

ID# 042000004 Sponsor Orange (County)



371

Aligns with RFPG Goals RFPG recommend? Yes Reason for Recommendation

## **Strategy Details**

Strategy type Infrastructure Projects

Strategy description Series of detention ponds to prevent flooding along IH-10, Hwy 12, Hwy 62, and Hwy 87 – the County's evacuation routes.

**Associated FMEs** 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi², est.) 120100051005,120100051004,120100051100,120100051003 Watershed HUC# (if known)

County Orange

Goal 1: Advance multiple regional flood infrastructure projects designed for larger storm events.

## **Existing 100-Year Flood Risk**

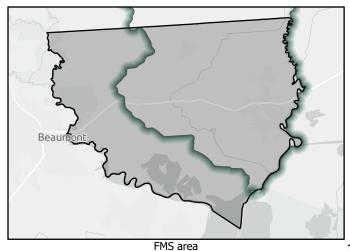
Population at risk 26,881			# o	f structures	16,974		Critical facilities 276				
Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local?	No	Playa?	No	Other?	No	
Farm/Ranch land impacted (acres) 17,171				Roadway(s) ir	npacted (miles)	364					
Number of low wa	mber of low water crossings 22			Historical roa	d closures	22					

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$44,000,000 % Nature-Based 0





Orange County Emergency Response Staging Area Title

ID# 042000008 Sponsor Orange County Drainage District



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type

Other

Strategy description

Staging Area and "lily pads" for use during disaster events.

Associated FMEs

999999

Associated FMPs

999999

Associated FMSs

Watershed HUC# (if known)

999999

120100051005,120100051004,120100051100,120100051003

County

Drainage area (mi², est.)

Orange

Goal 1: Increase number of communities with documented, operational and funded stormwater asset management plan and maintenance operations to 50%.

## **Existing 100-Year Flood Risk**

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

## **Impacts**

Negative impacts?

No

Negative impacts description

N/A

Water supply contributions? No

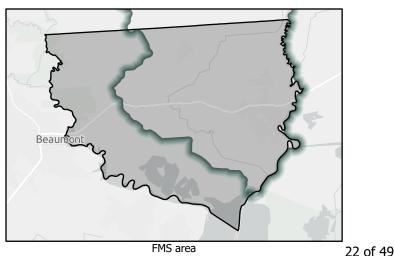
Water supply contribution description None

### **Estimated Cost**

**Strategy Cost** \$10,000

Amount of available funding

% Nature-Based 0







Regional view of FMS area

Orange County Elevation of Residential Structures Program Title

ID# Sponsor Orange County Drainage District



Drainage area (mi², est.)

RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Property Acquisition and Structural Elevation

Strategy description Elevations of homes within Floodplains throughout County.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

120100051005,120100051004,120100051100,120100051003 Watershed HUC# (if known)

County Orange

Goal 1: Reduce exposure of existing structures in flood prone areas by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

## **Existing 100-Year Flood Risk**

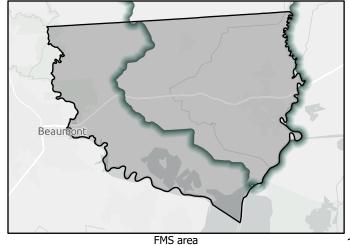
Population at risk 26,881		# 0	f structures	16,974		Critical facilities		276		
Flood risk type: Riverine?	Yes	Coastal?	Yes	Local?	No	Playa?	No	Other?	No	
Farm/Ranch land impacted (acres) 17,171				Roadway(s) ir	npacted (miles)	364				
Number of low water crossings 22				Historical roa	d closures	22				

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$50,000 % Nature-Based 0





Orange County Drainage District Design Criteria Title

ID# 042000001 Sponsor Orange (County)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Regulatory and Guidance

Strategy description **Update Design Criteria** 

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

120100051100,120100051003,120100051004,120100051005 Watershed HUC# (if known)

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

County Orange

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.

Goal 3: Increase the number of communities that utilize the latest and most appropriate precipitation data as a basis for design criteria to cover at least 75% of the region's population.

## **Existing 100-Year Flood Risk**

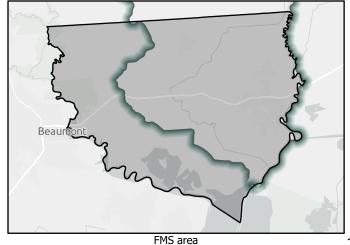
Population at risk 26,881		# 0	f structures	16,974		Critical facilities		276		
Flood risk type: Riverine?	Yes	Coastal?	Yes	Local?	No	Playa?	No	Other?	No	
Farm/Ranch land impacted (acres) 17,171				Roadway(s) ir	npacted (miles)	364				
Number of low water crossings 22				Historical roa	d closures	22				

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$50,000 % Nature-Based 0





Regional view of FMS area

Orange County Drainage District Additional Gages And Warning Systems Title

ID# 042000010 Sponsor Orange County Drainage District



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Flood Measurement and Warning

Strategy description  $Incorporation\ of\ additional\ rain\ gauges\ and\ flood\ sensors\ throughout\ jurisdiction.$ 

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Watershed HUC# (if known)

Drainage area (mi², est.) 120100051003,120100051004,120100051005,120100051100

County Orange

Goal(s) Goal 1: Increase number of monitoring gages and associated real time reporting technology installed and maintained in the region to 1 in 50% of HUC10s.

## **Existing 100-Year Flood Risk**

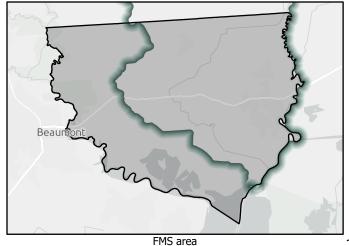
Population at risk 26,881		# 0	f structures	16,974		Critical facilities		276		
Flood risk type: Riverine?	Yes	Coastal?	Yes	Local?	No	Playa?	No	Other?	No	
Farm/Ranch land impacted (acres) 17,171				Roadway(s) ir	npacted (miles)	364				
Number of low water crossings 22				Historical roa	d closures	22				

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$200,000 % Nature-Based 0





Regional view of FMS area

Title Rockwall Countywide Flood Awareness Program

ID# 042000006 Sponsor Rockwall (County)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **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 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi², est.) 148

Watershed HUC# (if known) 120100010301, 120100010302

County Rockwall

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.

## **Existing 100-Year Flood Risk**

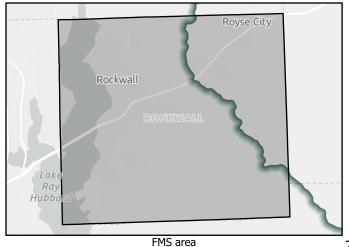
Population at risk 673 # of structures		191		Critical facilities 0				
Flood risk type: Riverine	Yes	Coastal? No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (	acres) 3,040		Roadway(s) ii	mpacted (miles)	15			
Number of low water crossin	gs 11		Historical roa	d closures	11			

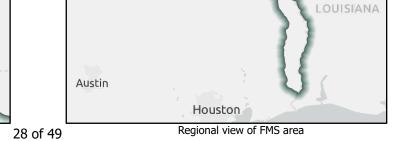
## **Impacts**

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

### **Estimated Cost**

Strategy Cost \$2,775 Amount of available funding \$0 % Nature-Based 0





City of Fate Flood Access Improvement Title

ID# 042000024 Sponsor Fate (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

**Strategy Details** 

Strategy type Regulatory and Guidance

Strategy description Add secondary entry/access roads to existing neighborhoods where possible/enforce two entry/access road requirements in

existing code for new construction

Associated FMEs Associated FMPs 999999 999999

Associated FMSs 999999

Drainage area (mi², est.)

120100010301 Watershed HUC# (if known)

County Rockwall

Goal 1: Increase number of communities with documented, operational and funded stormwater asset management plan and maintenance operations to 50%.

## **Existing 100-Year Flood Risk**

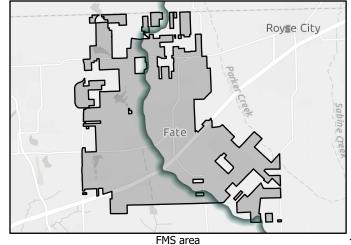
Population at risk 128	# of structures	21	Critical facilities	0
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres) 164		Roadway(s) impacted	(miles) 3	
Number of low water crossings 1		Historical road closure	s 1	

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$400,000 % Nature-Based 0





City of Fate Flood Infrastructure Maintenance Title

ID# 042000025 Sponsor Fate (Municipality)



Aligns with RFPG Goals RFPG recommend? Yes Reason for Recommendation

## **Strategy Details**

Strategy type Other

Strategy description Develop and implement a county-wide pre-disaster debris removal and monitoring contracts

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi², est.)

120100010301 Watershed HUC# (if known)

> County Rockwall

Goal 1: Increase number of communities with documented, operational and funded stormwater asset management plan and maintenance operations to 50%.

## **Existing 100-Year Flood Risk**

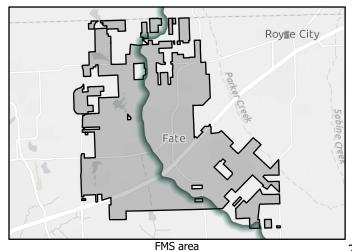
Population at risk 128 # of structures		21		Critical facilities 0					
Flood risk type: Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acr	es) 164			Roadway(s) ir	npacted (miles)	3			
Number of low water crossings	1			Historical roa	d closures	1			

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$100,000 % Nature-Based 0





Regional view of FMS area

City of Royse City Floodplain Management Ordinances Title

ID# 042000047 Sponsor Royse City (Municipality)



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

RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Regulatory and Guidance

Strategy description Update Flood Prevention ordinance, adopting a "no-rise" in Base Flood Elevation in the 100-year floodplain.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

120100010202, 120100010301, 120100010302 Watershed HUC# (if known)

County Rockwall, Collin,

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**

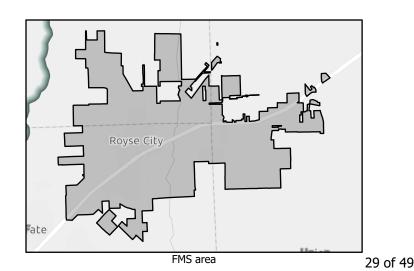
Population at risk 424	# of structures	131	Critical facilities 0	
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres) 1,451		Roadway(s) impacted (miles)	19	
Number of low water crossings 8		Historical road closures	8	

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,000 % Nature-Based 0





City of Royse City "StormReady" Program Title

ID# 042000048 Sponsor Royse City (Municipality)



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

Rockwall,

Collin,

County

RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Regulatory and Guidance

Strategy description Achieve certification by the National Weather Service as a "StormReady" Community.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

120100010202, 120100010301, 120100010302 Watershed HUC# (if known)

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**

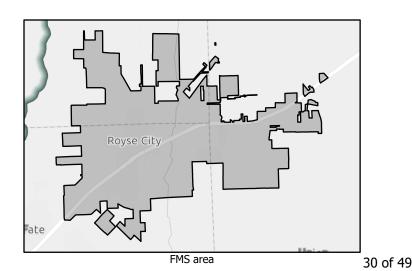
Population at risk 424		# 0	f structures	131		Critical	facilities 0		
Flood risk type: Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (ac	res) 1,451			Roadway(s) ir	npacted (miles)	19			
Number of low water crossings	8			Historical roa	d closures	8			

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,000 % Nature-Based 0





City of Kilgore Flood Infrastructure Inspection and Maintenance Program Title

ID# 042000032 Sponsor Kilgore (Municipality)



RFPG recommend? Yes Aligns with RFPG Goals Reason for Recommendation

**Strategy Details** 

Strategy type Other

Strategy description Investigate the current condition of culverts, headwalls, and repairs to culverts and headwalls

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi², est.) 120100020502,120100020503,120100020506,120100020405

Watershed HUC# (if known)

County Rusk

19

Goal 1: Increase number of communities with documented, operational and funded stormwater asset management plan and maintenance operations to 50%.

## **Existing 100-Year Flood Risk**

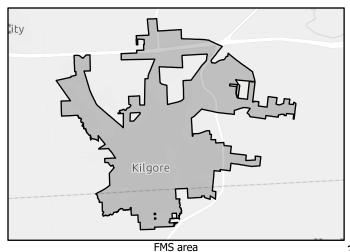
Population at risk 870	# of structures	296		Critical	facilities 3		
Flood risk type: Riverine? Yes	Coastal? No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 96		Roadway(s) ir	npacted (miles)	15			
Number of low water crossings 3		Historical roa	d closures	3			

## **Impacts**

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

### **Estimated Cost**

**Strategy Cost** Amount of available funding \$30,000 % Nature-Based 0





City of Hideaway Dam Reliability Program Title

ID# 042000045 Sponsor Hideaway (Municipality)



Aligns with RFPG Goals RFPG recommend? Yes Reason for Recommendation

**Strategy Details** 

Strategy type Other

Strategy description The city will remove trees from earthen dams on hideaway lakes #2 and #3 to mitigate erosion and assist with soil adhesion.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi², est.) 120100020102 Watershed HUC# (if known)

County Smith

Goal 1: Increase number of communities with documented, operational and funded stormwater asset management plan and maintenance operations to 50%.

## **Existing 100-Year Flood Risk**

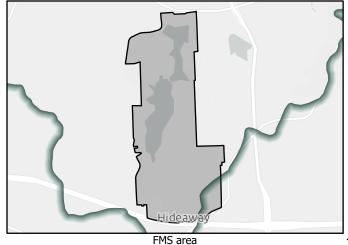
Population at risk 364	# of structures	249		Critical	facilities 0		
Flood risk type: Riverine? Yes	Coastal? No	Local? N	lo	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 4		Roadway(s) impa	acted (miles)	1			
Number of low water crossings 0		Historical road cl	losures	0			

## **Impacts**

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

### **Estimated Cost**

**Strategy Cost** Amount of available funding \$60,000 % Nature-Based 0





City of Hideaway Flood Awareness Program Title

ID# 042000042 Sponsor Hideaway (Municipality)



RFPG recommend? Yes Aligns with RFPG Goals Reason for Recommendation

## **Strategy Details**

Strategy type **Education and Outreach** 

Strategy description Conduct public outreach to educate homeowners on flood mitigation measures for their homes.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi², est.)

120100020102 Watershed HUC# (if known)

County Smith

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.

## **Existing 100-Year Flood Risk**

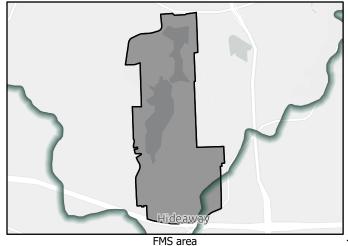
Population at risk 364	# of structures	249	Critical facilities 0	
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres) 4		Roadway(s) impacted (miles)	1	
Number of low water crossings 0		Historical road closures	0	

## **Impacts**

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

### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,500 % Nature-Based 0



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City of Hideaway Floodplain Development Regulations Title

ID# 042000043 Sponsor Hideaway (Municipality)



County

Smith

RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Regulatory and Guidance

Strategy description Mandate 2 FT Freeboard on Hideaway Lakes Dams

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi², est.)

120100020102 Watershed HUC# (if known)

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**

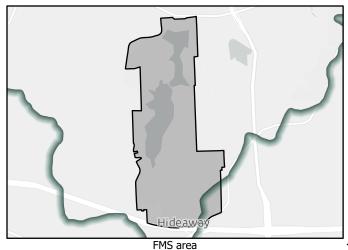
Population at risk 364 # of structures		249	Critical facilities 0	
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres) 4		Roadway(s) impacted (miles)	1	
Number of low water crossings 0		Historical road closures	0	

### **Impacts**

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

#### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,000 % Nature-Based 0





City of Hideaway Flood Awareness Program Title

ID# 042000044 Sponsor Hideaway (Municipality)



Aligns with RFPG Goals RFPG recommend? Yes Reason for Recommendation

## **Strategy Details**

Strategy type **Education and Outreach** 

Strategy description Public Awareness of Evacuation Routes from rising water from dam failure.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

120100020102 Watershed HUC# (if known)

Drainage area (mi², est.)

County Smith

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.

## **Existing 100-Year Flood Risk**

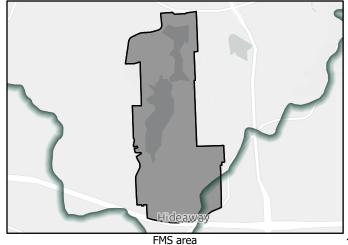
Population at risk 364 # of structures		249 Critical facilities			acilities 0			
Flood risk type: Riverine? Ye	S Coa	stal? No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 4		Roadway(s) impacted (miles)		1				
Number of low water crossings	0		Historical road closures		0			

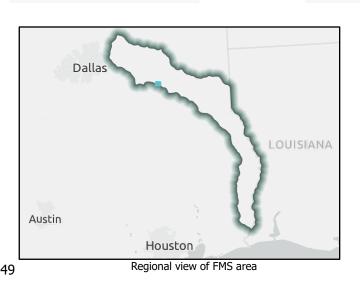
## **Impacts**

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

#### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,500 % Nature-Based 0





City of Winona Flood Awareness Program Title

ID# 042000046 Sponsor Winona (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type **Education and Outreach** 

Strategy description Conduct public outreach to homeowners and residents on flood mitigation measures for their residents.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi², est.) 120100020107, 120100020303 Watershed HUC# (if known)

County Smith

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.

## **Existing 100-Year Flood Risk**

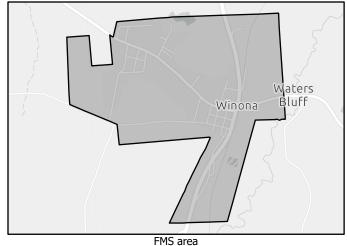
Population at risk 8	# of structures 8		Critical facilities 0	
Flood risk type: Riverine? Yes Co	pastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres) 26		Roadway(s) impacted (miles)	0	
Number of low water crossings 0	His	Historical road closures	0	

## **Impacts**

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

#### **Estimated Cost**

Amount of available funding **Strategy Cost** \$104,000 % Nature-Based 0



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City of Edgewood Flood Infrastructure Maintenance Title

ID# 042000012 Sponsor Edgewood (Municipality)



Drainage area (mi², est.)

RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

**Strategy Details** 

Strategy type Other

Strategy description Adopt and implement a program for clearing debris from bridges, drains, and culverts

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

120100010502,120100010504 Watershed HUC# (if known)

County Van Zandt

Goal 1: Increase number of communities with documented, operational and funded stormwater asset management plan and maintenance

operations to 50%.

## **Existing 100-Year Flood Risk**

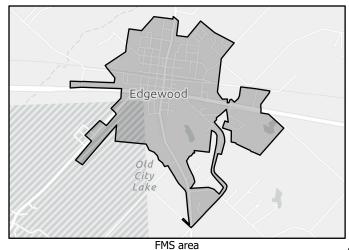
Population at risk 22 # of structures		27 Critical facilities			acilities 0			
Flood risk type: Riverine? Ye	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 29		Roadway(s) impacted (miles)		1				
Number of low water crossings			Historical road	closures	0			

### **Impacts**

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

#### **Estimated Cost**

Amount of available funding **Strategy Cost** \$100,000 % Nature-Based 0



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City of Grand Saline Flood Infrastructure Maintenance Title

ID# 042000019 Sponsor Grand Saline (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type

Other

Strategy description

Adopt and implement a program for clearing debris from bridges, drains, and culverts

Associated FMEs

999999

Associated FMPs

999999

County

Associated FMSs

999999

120100010601,

Drainage area (mi², est.)

Van Zandt

Watershed HUC# (if known)

Goal 1: Increase number of communities with documented, operational and funded stormwater asset management plan and maintenance

operations to 50%.

## **Existing 100-Year Flood Risk**

opulation	at risk	178
-----------	---------	-----

# of structures

82

Critical facilities

Flood risk type:

Riverine? Yes

Coastal?

Local?

No

Playa?

2

0

Nο

Other?

No

Farm/Ranch land impacted (acres) 24

Number of low water crossings

Roadway(s) impacted (miles) Historical road closures

**Impacts** 

Negative impacts?

No

Negative impacts description

N/A

Water supply contributions? No

Water supply contribution description None

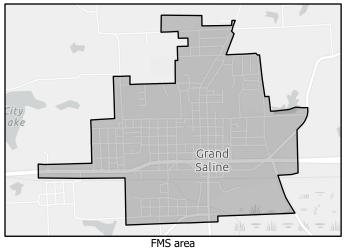
#### **Estimated Cost**

**Strategy Cost** 

\$100,000

Amount of available funding

% Nature-Based 0



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Van Zandt County Wide Floodplain Development Regulations Title

ID# 042000005 Sponsor Van Zandt (County)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Regulatory and Guidance

Strategy description Incorporate higher standards for flood hazard resiliency in local application of the building code.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi<sup>2</sup>, est.) 856 120100010407, 120100010502, 120100010503, 120100010501,

Watershed HUC# (if known) 120100010504, 120100010603, 120100010601, 120100010507, County Van Zandt

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**

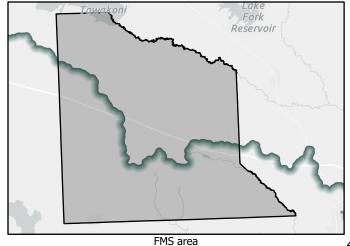
Population at risk 1,471 # of structure		f structures	1,080		Critical facilities				
Flood risk type: Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 26,372		Roadway(s) impacted (miles)		79					
Number of low water crossings	9			Historical road closures		9			

### **Impacts**

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

#### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,000 % Nature-Based 0



Regional view of FMS area

Houston

Dallas

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Austin

City of Fruitvale "StormReady" Program Title

ID# 042000014 Sponsor Fruitvale (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Regulatory and Guidance

Strategy description Obtain certification in the National Weather Service StormReady Program.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

120100010504, 120100010601 Watershed HUC# (if known)

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

County Van Zandt

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**

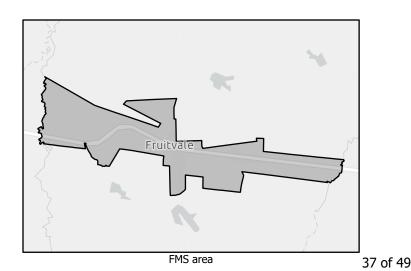
opulation at risk 12 # of structures		4		Critical facilities 0			
Flood risk type: Riverine? Yes	Coastal? No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 127	Roadway(s) ir	mpacted (miles)	2				
Number of low water crossings 0		Historical road closures		0			

### **Impacts**

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

#### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,000 % Nature-Based 0





City of Fruitvale Flood Emergency Notification System Title

ID# 042000015 Sponsor Fruitvale (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Flood Measurement and Warning

Strategy description Implement and enhance an area-wide telephone Emergency Notification System ("Reverse 911").

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi², est.) 120100010504, 120100010601 Watershed HUC# (if known)

County Van Zandt

Goal(s) Goal 1: Increase number of monitoring gages and associated real time reporting technology installed and maintained in the region to 1 in 50% of

Goal 2: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## **Existing 100-Year Flood Risk**

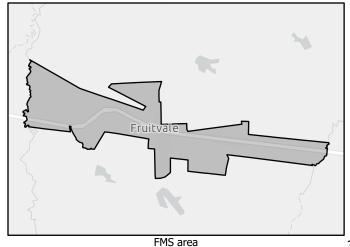
Population at risk 12 # of structures		4 Critical facilities 0					
Flood risk type: Riverine? Yes	Coastal? No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 127	Roadway(s) ir	mpacted (miles)	2				
Number of low water crossings 0		Historical road closures		0			

### **Impacts**

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

#### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,000 % Nature-Based 0



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City of Van "StormReady" Program Title

ID# 042000016 Sponsor Van (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Regulatory and Guidance

Strategy description Obtain certification in the National Weather Service StormReady Program.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

120100010608, 120100010607 Watershed HUC# (if known)

Drainage area (mi², est.)

County Van Zandt

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**

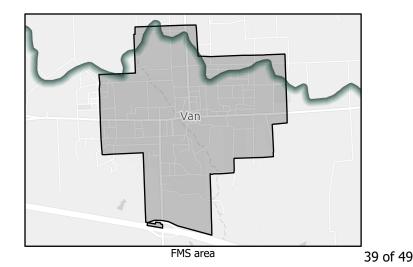
Population at risk 0 # of structures		0	Critical facilities 0	
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres) 0		Roadway(s) impacted (miles)	0	
Number of low water crossings 0		Historical road closures	0	

### **Impacts**

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

#### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,000 % Nature-Based 0





Title City of Van Flood Infrastructure Maintenance

ID# 042000017 Sponsor Van (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Other

Strategy description Adopt and implement a program for clearing debris from bridges, drains and culverts.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Watershed HUC# (if known) 120100010608, 120100010607 Drainage area (mi², est.) 3

County Van Zandt

Goal(s) Goal 1: Increase number of communities with documented, operational and funded stormwater asset management plan and maintenance operations to 50%.

## **Existing 100-Year Flood Risk**

Population at risk 0	# of structures	0		Critical facilities 0			
Flood risk type: Riverine? Yes Coas	tal? No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 0	Roadway(s) ir	npacted (miles)	0				
Number of low water crossings 0		Historical roa	d closures	0			

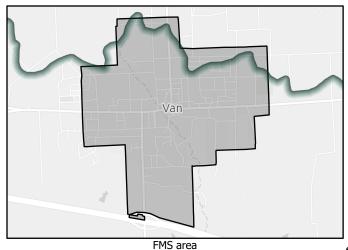
## **Impacts**

 Negative impacts?
 No
 Negative impacts description
 N/A

 Water supply contributions?
 No
 Water supply contribution description
 None

#### **Estimated Cost**

Strategy Cost \$50,000 Amount of available funding \$0 % Nature-Based 0



Houston Regional view of FMS area

LOUISIANA

Dallas

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Austin

City of Edgewood Emergency Siren Program Title

ID# 042000011 Sponsor Edgewood (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Flood Measurement and Warning

Strategy description Purchase and install outdoor warning sirens.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

120100010502, 120100010504 Watershed HUC# (if known)

Drainage area (mi², est.)

County Van Zandt

Goal 1: Increase number of monitoring gages and associated real time reporting technology installed and maintained in the region to 1 in 50% of HUC10s.

## **Existing 100-Year Flood Risk**

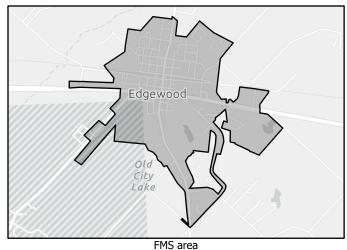
Population at risk 22 # of structure:		f structures	27		Critical facilities 0				
Flood risk type: Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 29		Roadway(s) impacted (miles)		1					
Number of low water crossings	0			Historical roa	d closures	0			

### **Impacts**

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

#### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,000 % Nature-Based 0



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Title City of Grand Saline "StormReady" Program

ID# 042000018 Sponsor Grand Saline (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Regulatory and Guidance

Strategy description Obtain certification in the National Weather Service StormReady Program.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Watershed HUC# (if known) 120100010601, 120100010605

Drainage area (mi², est.) 2

County Van Zandt

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 178	# of structures	82	Critical facilities 1	
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres) 24		Roadway(s) impacted (miles)	2	
Number of low water crossings 0		Historical road closures	0	

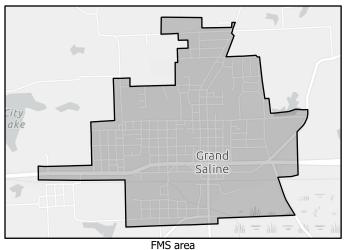
### **Impacts**

 Negative impacts?
 No
 Negative impacts description
 N/A

 Water supply contributions?
 No
 Water supply contribution description
 None

#### **Estimated Cost**

Strategy Cost \$10,000 Amount of available funding \$0 % Nature-Based 0



Austin

Houston

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Regional view of FMS area

Dallas

City of Wills Point "StormReady" Program

ID# 042000020 Sponsor Wills Point (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Title

Strategy type Regulatory and Guidance

Strategy description Obtain certification in the National Weather Service StormReady Program.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi<sup>2</sup>, est.) 120100010501, 120100010502 Watershed HUC# (if known)

County Van Zandt

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 29			f structures	12		Critical facilities 0			
Flood risk type: Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acr	es) 47			Roadway(s) ir	npacted (miles)	0			
Number of low water crossings	0			Historical roa	d closures	0			

### **Impacts**

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

#### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,000 % Nature-Based 0





City of Wills Point Flood Emergency Notification System Title

ID# 042000021 Sponsor Wills Point (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **Strategy Details**

Strategy type Flood Measurement and Warning

Strategy description Implement and enhance an area-wide telephone Emergency Notification System ("Reverse 911").

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

120100010501, 120100010502 Watershed HUC# (if known)

County Van Zandt

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

Goal(s) Goal 1: Increase number of monitoring gages and associated real time reporting technology installed and maintained in the region to 1 in 50% of

Goal 2: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

## **Existing 100-Year Flood Risk**

Population at risk 29 # of	structures	12		Critical f			
Flood risk type: Riverine? Yes Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 47		Roadway(s) im	pacted (miles)	0			
Number of low water crossings 0		Historical road	l closures	0			

### **Impacts**

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

#### **Estimated Cost**

Amount of available funding **Strategy Cost** \$10,200 % Nature-Based 0





Title City of Wills Point Flood Infrastructure Maintenance

ID# 042000022 Sponsor Wills Point (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

**Strategy Details** 

Strategy type Other

Strategy description Adopt and implement a program for clearing debris from bridges, drains and culverts.

Associated FMEs 999999 Associated FMPs 999999

Associated FMSs 999999

Watershed HUC# (if known) 120100010501, 120100010502 Drainage area (mi², est.) 4

County Van Zandt

Goal 1: Increase number of communities with documented, operational and funded stormwater asset management plan and maintenance

operations to 50%.

## **Existing 100-Year Flood Risk**

Population at risk 29	# of structur	s 12		Critical f	acilities 0			
Flood risk type: Riverine? Ye	es Co	pastal? No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres	47		Roadway(s) ir	npacted (miles)	0			
Number of low water crossings	0		Historical roa	d closures	0			

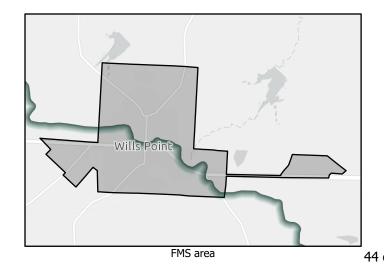
## **Impacts**

 Negative impacts?
 No
 Negative impacts description
 N/A

 Water supply contributions?
 No
 Water supply contribution description
 None

#### **Estimated Cost**

Strategy Cost \$51,000 Amount of available funding \$0 % Nature-Based 0



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Houston

Austin

LOUISIANA

Dallas

Title City of Wills Point Flood Awareness Program

ID# 042000023 Sponsor Wills Point (Municipality)



RFPG recommend? Yes Reason for Recommendation Aligns with RFPG Goals

## **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 999999 Associated FMPs 999999

Associated FMSs 999999

Drainage area (mi², est.) 4

Watershed HUC# (if known) 120100010501, 120100010502

County 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 29			f structures	12		Critical			
Flood risk type: Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acr	es) 47			Roadway(s) ir	npacted (miles)	0			
Number of low water crossings	0			Historical roa	d closures	0			

### **Impacts**

 Negative impacts?
 No
 Negative impacts description
 N/A

 Water supply contributions?
 No
 Water supply contribution description
 None

#### **Estimated Cost**

Strategy Cost \$10,200 Amount of available funding \$0 % Nature-Based 0

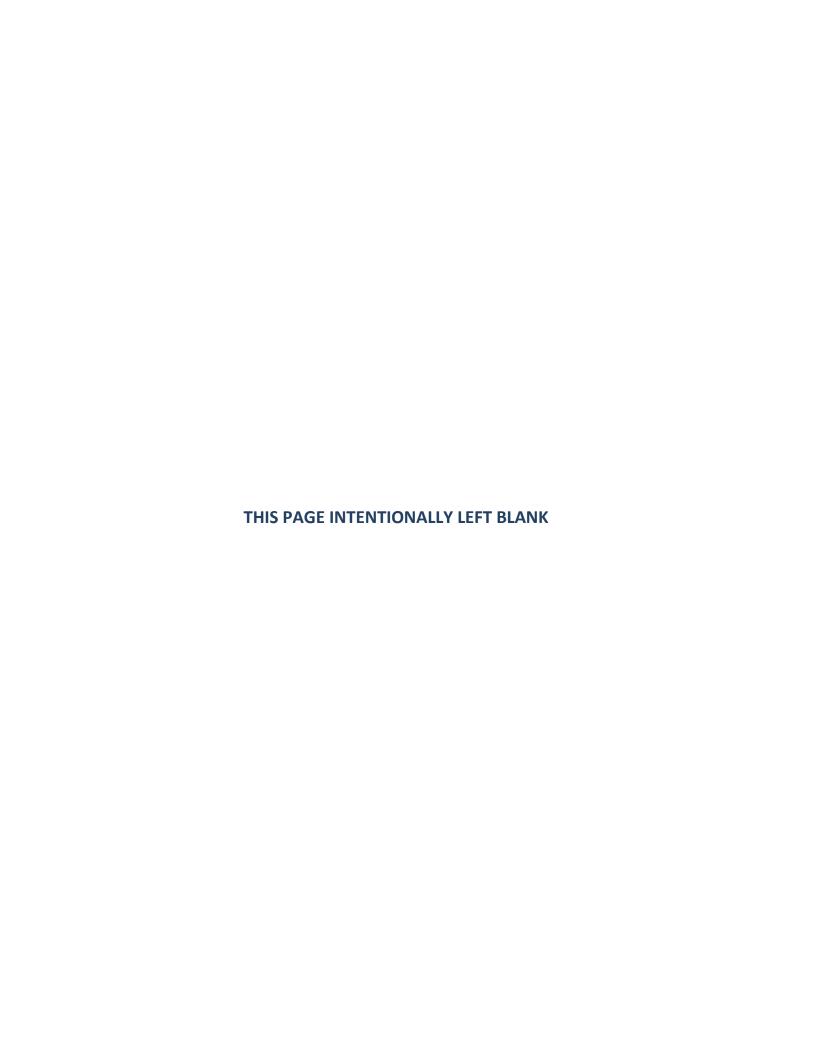




Regional view of FMS area

Dallas

APPENDIX 5-D PROJECT DETAILS



Sanochripman	Same & Society - Pro-Project Average Royal of Flooding (AMI year)	Sans in Sansity. Generality Sand (S. Pepulation) 6	om à Flord Kith Reduction Sonne à Flord Journage Reduction	Sans S Citizal Facilities burnings Raduction	Samuel City and Eding	Some In Head Supply	Some & Sanis Hardward Stiller	Some till Multiple Banafiles	Same all district States Same States States Applicacy States	ofes Some till Englandered Benefit Some till Englandered England	Same Mit Regional
Nojerbane Nor elsonje Stadisgine Indjestige Indies Indiana India	Section of the control of the contro	monthy Frank Paris Steen 2 (Security Statistics) Fairbourtons (Security Statistics) Frankship (Security Statistics) Frankship)	Amil Medicine Som B Schmidt Anderson Parkingen berger Machigen berger Schmidt	Sand Suprage Secret Sec	Adjusted to just find the same of the same	More toply form Sensell MMI(i) Name? White toply find Sense? Of the	ne Manus Sanial Indiana Manus Sanial	Multiple Sameline Series 10 Multiple Sameline Series		Committee Commit	Makes 65 Makes 65 Makes 64 Mak
MANAGEMENT AND ADMINISTRATION OF THE PROPERTY	Programme, night brown, maken mind den gramme, maken mind den gramme	The state of the s	Manual of the State of the Stat	Measurement for comment			Managaman Asian	engan dalaun kecalah Angan dalaun kecalah	The second of th	Pagarina dalah mayar Anna Azaran Marian	and all primaries are considered
Spiriturismin	Normalism . Anadisc comprised	ann stangen	Medical States	Principle September 1997		No. copyrigate and and	Performance (IV) A SEE	Proper State and Advance	Require layers require  Requir	Page of Aller Cas	Progra and protect making allows include in Managine and extrem designing plants of include in Managine and extreme designing plants of including protection.  And the second in the include and another properties of the second included and another processing another processing and another processing another processing another processing and another processing another processing another processing and another processing another processing another processing another processing and another processing another



			Score 4: Flood Da	amage Reduction				Score 5: Critical Facili	ties Damage Reduction			Score 6: Lif	e and Safety				Score 7: W	ater Supply		
FMP	# of Structures with Reduced 1% Annual Chance Flood Risk	Pre-Project Damage \$	Post-Project Damage \$	Notes 4	Flood Damage Reduction	Score 4	# of Critical Faciliites Removed from 1% Annual Chance FP	Notes 5	Reduction in Critical Facilities Flood Risk		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%	E	NA				No impact on water supply	0
043000018					Flood damage reduction < 25%	2	. 0		Reduced risk for 0 structures in floodplain	C	80.5		Life/injury risk percentage >50%	10	NA				No impact on water supply	0

Page 3 Data Entry



		Score 8: Socia	al Vulnerability			Score 9: Nature	e-Based Solution	Score 10: Multiple Benefites						Score 11: O&M		
FMP	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	0		Project does not deliver any wider benefits	C	0		Project requires regular, ongoing operation and maintenance; and/or O&M requirements are well defined (Regular);	7

Page 4 Data Entry



	Score 12: Admin, Regulatory Obstacles			Score 13: Enviromental Benefit				Score 14: Environmental Impact			Score 15: Mobility			
FMP	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	

Page 5



	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							

Page 6 Data Entr