

## APPENDIX B - REQUIRED TABLES

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Existing Infrastructure ID	RFPG No.	RFPG Name	Counties	HUC8s	HUC12s <sup>B</sup>	Watersheds <sup>B</sup>	Feature Name	Infrastructure Type	Description	Natural or Constructed or Combination	Construction Date <sup>A</sup>	Infrastructure Dimensions <sup>A</sup>				
												Diameter (ft)	Height (ft)	Width (ft)	Length (ft)	Area (acre)
Multiple BAILEY County Dams	07	Upper Brazos	BAILEY	Multiple	Multiple	Multiple	Multiple	Dam	2 Dams	Constructed	Multiple					
Multiple BAYLOR County Dams	07	Upper Brazos	BAYLOR	Multiple	Multiple	Multiple	Multiple	Dam	8 Dams	Constructed	Multiple					
Multiple BORDEN County Dams	07	Upper Brazos	BORDEN	Multiple	Multiple	Multiple	Multiple	Dam	4 Dams	Constructed	Multiple					
Multiple CALLAHAN County Dams	07	Upper Brazos	CALLAHAN	Multiple	Multiple	Multiple	Multiple	Dam	13 Dams	Constructed	Multiple					
Multiple CASTRO County Dams	07	Upper Brazos	CASTRO	Multiple	Multiple	Multiple	Multiple	Dam	2 Dams	Constructed	Multiple					
Multiple CROSBY County Dams	07	Upper Brazos	CROSBY	Multiple	Multiple	Multiple	Multiple	Dam	6 Dams	Constructed	Multiple					
Multiple DICKENS County Dams	07	Upper Brazos	DICKENS	Multiple	Multiple	Multiple	Multiple	Dam	21 Dams	Constructed	Multiple					
Multiple EASTLAND County Dams	07	Upper Brazos	EASTLAND	Multiple	Multiple	Multiple	Multiple	Dam	5 Dams	Constructed	Multiple					
Multiple FISHER County Dams	07	Upper Brazos	FISHER	Multiple	Multiple	Multiple	Multiple	Dam	5 Dams	Constructed	Multiple					
Multiple GARZA County Dams	07	Upper Brazos	GARZA	Multiple	Multiple	Multiple	Multiple	Dam	6 Dams	Constructed	Multiple					
Multiple HALE County Dams	07	Upper Brazos	HALE	Multiple	Multiple	Multiple	Multiple	Dam	4 Dams	Constructed	Multiple					
Multiple HASKELL County Dams	07	Upper Brazos	HASKELL	Multiple	Multiple	Multiple	Multiple	Dam	7 Dams	Constructed	Multiple					
HOCKLEY County Dam	07	Upper Brazos	HOCKLEY	12050001	120500010906	07000404	Gordon Cobb Lake Dam	Dam	1 Dams	Constructed	Unknown		24		100	
Multiple JONES County Dams	07	Upper Brazos	JONES	Multiple	Multiple	Multiple	Multiple	Dam	11 Dams	Constructed	Multiple					
Multiple KENT County Dams	07	Upper Brazos	KENT	Multiple	Multiple	Multiple	Multiple	Dam	8 Dams	Constructed	Multiple					
Multiple KING County Dams	07	Upper Brazos	KING	Multiple	Multiple	Multiple	Multiple	Dam	13 Dams	Constructed	Multiple					
Multiple KNOX County Dams	07	Upper Brazos	KNOX	Multiple	Multiple	Multiple	Multiple	Dam	11 Dams	Constructed	Multiple					
LAMB County Dam	07	Upper Brazos	LAMB	12050001	120500011006	07000369	Bull Tank Dam	Dam	1 Dams	Constructed	Unknown		18		400	
Multiple LUBBOCK County Dams	07	Upper Brazos	LUBBOCK	Multiple	Multiple	Multiple	Multiple	Dam	9 Dams	Constructed	Multiple					
LYNN County Dam	07	Upper Brazos	LYNN	12050004	120500040307	070000040	Stewart Lake Dam	Dam	1 Dams	Constructed	Unknown		35		800	
Multiple NOLAN County Dams	07	Upper Brazos	NOLAN	Multiple	Multiple	Multiple	Multiple	Dam	7 Dams	Constructed	Multiple					
Multiple PARMER County Dams	07	Upper Brazos	PARMER	Multiple	Multiple	Multiple	Multiple	Dam	6 Dams	Constructed	Multiple					
Multiple SHACKELFORD County Dams	07	Upper Brazos	SHACKELFORD	Multiple	Multiple	Multiple	Multiple	Dam	18 Dams	Constructed	Multiple					
Multiple STEPHENS County Dams	07	Upper Brazos	STEPHENS	Multiple	Multiple	Multiple	Multiple	Dam	17 Dams	Constructed	Multiple					

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Existing Infrastructure ID	Level of Service	Condition	Condition Description	Deficiency	Deficiency Description	Owning Entity	Operating Entity	Associated FMEs <sup>A</sup>	Associated FMSs <sup>A</sup>	Associated FMPs <sup>A</sup>
	(2-year, 10-year, 25-year, 50-year, 100-year, 500-year, Unknown)	(Functional, Non-functional, Unknown)		(Deficient, Non-deficient, Unknown)						
Multiple BAILEY County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple BAYLOR County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple BORDEN County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple CALLAHAN County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple CASTRO County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple CROSBY County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple DICKENS County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple EASTLAND County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple FISHER County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple GARZA County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple HALE County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple HASKELL County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
HOCKLEY County Dam	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple JONES County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple KENT County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple KING County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple KNOX County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
LAMB County Dam	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple LUBBOCK County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
LYNN County Dam	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple NOLAN County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple PARMER County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple SHACKELFORD County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple STEPHENS County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			

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Existing Infrastructure ID	RFPG No.	RFPG Name	Counties	HUC8s	HUC12s <sup>B</sup>	Watersheds <sup>B</sup>	Feature Name	Infrastructure Type	Description	Natural or Constructed or Combination	Construction Date <sup>A</sup>	Infrastructure Dimensions <sup>A</sup>				
												Diameter (ft)	Height (ft)	Width (ft)	Length (ft)	Area (acre)
Multiple STONEWALL County Dams	07	Upper Brazos	STONEWALL	Multiple	Multiple	Multiple	Multiple	Dam	14 Dams	Constructed	Multiple					
Multiple TAYLOR County Dams	07	Upper Brazos	TAYLOR	Multiple	Multiple	Multiple	Multiple	Dam	15 Dams	Constructed	Multiple					
Multiple THROCKMORTON County Dams	07	Upper Brazos	THROCKMORTON	Multiple	Multiple	Multiple	Multiple	Dam	18 Dams	Constructed	Multiple					
Multiple YOUNG County Dams	07	Upper Brazos	YOUNG	Multiple	Multiple	Multiple	Multiple	Dam	7 Dams	Constructed	Multiple					
Multiple BAILEY County LWCs	07	Upper Brazos	BAILEY	Multiple	Multiple	Multiple	Multiple	LWC	9 LWCs	Constructed	Multiple					
Multiple BAYLOR County LWCs	07	Upper Brazos	BAYLOR	Multiple	Multiple	Multiple	Multiple	LWC	9 LWCs	Constructed	Multiple					
Multiple CALLAHAN County LWCs	07	Upper Brazos	CALLAHAN	Multiple	Multiple	Multiple	Multiple	LWC	12 LWCs	Constructed	Multiple					
Multiple CASTRO County LWCs	07	Upper Brazos	CASTRO	Multiple	Multiple	Multiple	Multiple	LWC	6 LWCs	Constructed	Multiple					
COCHRAN County LWC	07	Upper Brazos	COCHRAN	12050001	120500010607	07000395	Unnamed LWC	LWC	1 LWCs	Constructed	Unknown					
Multiple CROSBY County LWCs	07	Upper Brazos	CROSBY	Multiple	Multiple	Multiple	Multiple	LWC	5 LWCs	Constructed	Multiple					
Multiple DICKENS County LWCs	07	Upper Brazos	DICKENS	Multiple	Multiple	Multiple	Multiple	LWC	2 LWCs	Constructed	Multiple					
Multiple EASTLAND County LWCs	07	Upper Brazos	EASTLAND	Multiple	Multiple	Multiple	Multiple	LWC	2 LWCs	Constructed	Multiple					
Multiple FISHER County LWCs	07	Upper Brazos	FISHER	Multiple	Multiple	Multiple	Multiple	LWC	4 LWCs	Constructed	Multiple					
Multiple FLOYD County LWCs	07	Upper Brazos	FLOYD	Multiple	Multiple	Multiple	Multiple	LWC	3 LWCs	Constructed	Multiple					
Multiple GARZA County LWCs	07	Upper Brazos	GARZA	Multiple	Multiple	Multiple	Multiple	LWC	11 LWCs	Constructed	Multiple					
Multiple HALE County LWCs	07	Upper Brazos	HALE	Multiple	Multiple	Multiple	Multiple	LWC	6 LWCs	Constructed	Multiple					
Multiple HASKELL County LWCs	07	Upper Brazos	HASKELL	Multiple	Multiple	Multiple	Multiple	LWC	14 LWCs	Constructed	Multiple					
Multiple HOCKLEY County LWCs	07	Upper Brazos	HOCKLEY	Multiple	Multiple	Multiple	Multiple	LWC	9 LWCs	Constructed	Multiple					
Multiple JONES County LWCs	07	Upper Brazos	JONES	Multiple	Multiple	Multiple	Multiple	LWC	10 LWCs	Constructed	Multiple					
Multiple KENT County LWCs	07	Upper Brazos	KENT	Multiple	Multiple	Multiple	Multiple	LWC	4 LWCs	Constructed	Multiple					
KING County LWC	07	Upper Brazos	KING	12060101	120601010202	07000200	Unnamed LWC	LWC	1 LWCs	Constructed	Unknown					
Multiple KNOX County LWCs	07	Upper Brazos	KNOX	Multiple	Multiple	Multiple	Multiple	LWC	3 LWCs	Constructed	Multiple					
Multiple LAMB County LWCs	07	Upper Brazos	LAMB	Multiple	Multiple	Multiple	Multiple	LWC	24 LWCs	Constructed	Multiple					

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Existing Infrastructure ID	Level of Service	Condition	Condition Description	Deficiency	Deficiency Description	Owning Entity	Operating Entity	Associated FMEs <sup>A</sup>	Associated FMSs <sup>A</sup>	Associated FMPs <sup>A</sup>
	(2-year, 10-year, 25-year, 50-year, 100-year, 500-year, Unknown)	(Functional, Non-functional, Unknown)		(Deficient, Non-deficient, Unknown)						
Multiple STONEWALL County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple TAYLOR County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple THROCKMORTON County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple YOUNG County Dams	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple BAILEY County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple BAYLOR County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple CALLAHAN County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple CASTRO County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
COCHRAN County LWC	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple CROSBY County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple DICKENS County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple EASTLAND County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple FISHER County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple FLOYD County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple GARZA County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple HALE County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple HASKELL County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple HOCKLEY County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple JONES County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple KENT County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
KING County LWC	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple KNOX County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple LAMB County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			

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												Diameter (ft)	Height (ft)	Width (ft)	Length (ft)	Area (acre)
Multiple LUBBOCK County LWCs	07	Upper Brazos	LUBBOCK	Multiple	Multiple	Multiple	Multiple	LWC	30 LWCs	Constructed	Multiple					
Multiple LYNN County LWCs	07	Upper Brazos	LYNN	Multiple	Multiple	Multiple	Multiple	LWC	7 LWCs	Constructed	Multiple					
Multiple NOLAN County LWCs	07	Upper Brazos	NOLAN	Multiple	Multiple	Multiple	Multiple	LWC	24 LWCs	Constructed	Multiple					
Multiple PARMER County LWCs	07	Upper Brazos	PARMER	Multiple	Multiple	Multiple	Multiple	LWC	5 LWCs	Constructed	Multiple					
Multiple SCURRY County LWCs	07	Upper Brazos	SCURRY	Multiple	Multiple	Multiple	Multiple	LWC	8 LWCs	Constructed	Multiple					
Multiple SHACKELFORD County LWCs	07	Upper Brazos	SHACKELFORD	Multiple	Multiple	Multiple	Multiple	LWC	4 LWCs	Constructed	Multiple					
Multiple STEPHENS County LWCs	07	Upper Brazos	STEPHENS	Multiple	Multiple	Multiple	Multiple	LWC	2 LWCs	Constructed	Multiple					
Multiple STONEWALL County LWCs	07	Upper Brazos	STONEWALL	Multiple	Multiple	Multiple	Multiple	LWC	6 LWCs	Constructed	Multiple					
Multiple TAYLOR County LWCs	07	Upper Brazos	TAYLOR	Multiple	Multiple	Multiple	Multiple	LWC	72 LWCs	Constructed	Multiple					
Multiple THROCKMORTON County LWCs	07	Upper Brazos	THROCKMORTON	Multiple	Multiple	Multiple	Multiple	LWC	6 LWCs	Constructed	Multiple					
YOUNG County LWC	07	Upper Brazos	YOUNG	12060101	120601010707	07000172	FM 578	LWC	1 LWCs	Constructed	Unknown					
Yellow House Draw Watershed rivers and tributaries	07	Upper Brazos	Multiple	12050001	Multiple	Multiple	Yellow House Draw Watershed rivers and tributaries	River, Tributary	20 stream miles	Combination	Unknown					107,426
Blackwater Draw Watershed rivers and tributaries	07	Upper Brazos	Multiple	12050002	Multiple	Multiple	Blackwater Draw Watershed rivers and tributaries	River, Tributary	9 stream miles	Combination	Unknown					45,161
North Fork Double Mountain Fork Brazos Watershed rivers and tributaries	07	Upper Brazos	Multiple	12050003	Multiple	Multiple	North Fork Double Mountain Fork Brazos Watershed rivers and tributaries	River, Tributary	143 stream miles	Combination	Unknown					754,701
Double Mountain Fork Brazos Watershed rivers and tributaries	07	Upper Brazos	Multiple	12050004	Multiple	Multiple	Double Mountain Fork Brazos Watershed rivers and tributaries	River, Tributary	624 stream miles	Combination	Unknown					3,293,985
Running Water Draw Watershed rivers and tributaries	07	Upper Brazos	Multiple	12050005	Multiple	Multiple	Running Water Draw Watershed rivers and tributaries	River, Tributary	75 stream miles	Combination	Unknown					395,015
White Watershed rivers and tributaries	07	Upper Brazos	Multiple	12050006	Multiple	Multiple	White Watershed rivers and tributaries	River, Tributary	166 stream miles	Combination	Unknown					876,591
Salt Fork Brazos Watershed rivers and tributaries	07	Upper Brazos	Multiple	12050007	Multiple	Multiple	Salt Fork Brazos Watershed rivers and tributaries	River, Tributary	621 stream miles	Combination	Unknown					3,278,220
Middle Brazos-Millers Watershed rivers and tributaries	07	Upper Brazos	Multiple	12060101	Multiple	Multiple	Middle Brazos-Millers Watershed rivers and tributaries	River, Tributary	1177 stream miles	Combination	Unknown					6,212,248

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	(2-year, 10-year, 25-year, 50-year, 100-year, 500-year, Unknown)	(Functional, Non-functional, Unknown)		(Deficient, Non-deficient, Unknown)						
Multiple LUBBOCK County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple LYNN County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple NOLAN County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple PARMER County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple SCURRY County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple SHACKELFORD County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple STEPHENS County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple STONEWALL County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple TAYLOR County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Multiple THROCKMORTON County LWCs	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
YOUNG County LWC	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Yellow House Draw Watershed rivers and tributaries	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Blackwater Draw Watershed rivers and tributaries	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
North Fork Double Mountain Fork Brazos Watershed rivers and tributaries	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Double Mountain Fork Brazos Watershed rivers and tributaries	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Running Water Draw Watershed rivers and tributaries	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
White Watershed rivers and tributaries	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Salt Fork Brazos Watershed rivers and tributaries	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Middle Brazos-Millers Watershed rivers and tributaries	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			

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Existing Infrastructure ID	RFPG No.	RFPG Name	Counties	HUC8s	HUC12s <sup>B</sup>	Watersheds <sup>B</sup>	Feature Name	Infrastructure Type	Description	Natural or Constructed or Combination	Construction Date <sup>A</sup>	Infrastructure Dimensions <sup>A</sup>				
												Diameter (ft)	Height (ft)	Width (ft)	Length (ft)	Area (acre)
Upper Clear Fork Brazos Watershed rivers and tributaries	07	Upper Brazos	Multiple	12060102	Multiple	Multiple	Upper Clear Fork Brazos Watershed rivers and tributaries	River, Tributary	1065 stream miles	Combination	Unknown				5,621,522	
Paint Watershed rivers and tributaries	07	Upper Brazos	Multiple	12060103	Multiple	Multiple	Paint Watershed rivers and tributaries	River, Tributary	449 stream miles	Combination	Unknown				2,369,258	
Lower Clear Fork Brazos Watershed rivers and tributaries	07	Upper Brazos	Multiple	12060104	Multiple	Multiple	Lower Clear Fork Brazos Watershed rivers and tributaries	River, Tributary	395 stream miles	Combination	Unknown				2,086,269	
Hubbard Watershed rivers and tributaries	07	Upper Brazos	Multiple	12060105	Multiple	Multiple	Hubbard Watershed rivers and tributaries	River, Tributary	695 stream miles	Combination	Unknown				3,667,228	
City of Lubbock Storm Drain System	07	Upper Brazos	Lubbock	Multiple	Multiple	Multiple	Lubbock Storm Drain System	Storm Drain System	184 storm drain miles	Constructed	Unknown				969,354	
07000001	07	Upper Brazos	Jones	12060102	120601020803	07000267	Unnamed Levee	Levee	Agricultural Levee	Constructed	Unknown				1,261	
Various Playas	07	Upper Brazos	Multiple	Multiple	Multiple	Multiple	Various Playas	Playa	10109 Playas	Natural	N/A					13,681
Various Ponds	07	Upper Brazos	Multiple	Multiple	Multiple	Multiple	Various Ponds	Pond	37617 Ponds	Combination	Unknown					2,661
Various Wetlands	07	Upper Brazos	Multiple	Multiple	Multiple	Multiple	Various Wetlands	Wetland	10757 Wetlands	Natural	N/A					3,428
07000026	07	Upper Brazos	Baylor, Throckmorton	12060101	120601010505	07000188	Millers Creek Reservoir	Other	Reservoir - 97407932	Constructed	Unknown					
07000027	07	Upper Brazos	Crosby	12050006	120500060505	07000097	White River Lake	Other	Reservoir - 128195951	Constructed	Unknown					
07000028	07	Upper Brazos	Eastland	12060105	120601050404	07000351	Lake Cisco	Other	Reservoir - 94139339	Constructed	Unknown					
07000029	07	Upper Brazos	Garza, Kent	12050004	120500040504	07000066	Lake Alan Henry	Other	Reservoir - 128158889	Constructed	Unknown					
07000030	07	Upper Brazos	Haskell	12060103	120601030208	07000298	Lake Stamford	Other	Reservoir - 93884778	Constructed	Unknown					
07000031	07	Upper Brazos	Jones	12060102	120601020712	07000280	Lake Fort Phantom Hill	Other	Reservoir - 100986998	Constructed	Unknown					
07000032	07	Upper Brazos	Knox	12060101	120601010403	07000179	Lake Davis	Other	Reservoir - 97403260	Constructed	Unknown					
07000033	07	Upper Brazos	Nolan	12060102	120601020306	07000283	Lake Sweetwater	Other	Reservoir - 100993366	Constructed	Unknown					
07000034	07	Upper Brazos	Stephens	1260105	120601050501	07000355	Lake Daniel	Other	Reservoir - 94131113	Constructed	Unknown					
07000035	07	Upper Brazos	Stephens, Shackelford	1260105	120601050601	07000359	Hubbard Creek Reservoir	Other	Reservoir - 94128173	Constructed	Unknown					
07000036	07	Upper Brazos	Taylor	12060102	120601020708	07000276	Kirby Lake	Other	Reservoir - 100995914	Constructed	Unknown					
07000037	07	Upper Brazos	Taylor	12060102	120601020703	07000273	Lake Abilene	Other	Reservoir - 100999916	Constructed	Unknown					

\* Information provided in this table are imaginary example datasets utilized to depict reporting structure. RFPGs are to assess and determine the existing infrastructure in their regions.

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Existing Infrastructure ID	Level of Service	Condition	Condition Description	Deficiency	Deficiency Description	Owning Entity	Operating Entity	Associated FMEs <sup>A</sup>	Associated FMSs <sup>A</sup>	Associated FMPs <sup>A</sup>
	(2-year, 10-year, 25-year, 50-year, 100-year, 500-year, Unknown)	(Functional, Non-functional, Unknown)		(Deficient, Non-deficient, Unknown)						
Upper Clear Fork Brazos Watershed rivers and tributaries	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Paint Watershed rivers and tributaries	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Lower Clear Fork Brazos Watershed rivers and tributaries	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Hubbard Watershed rivers and tributaries	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
City of Lubbock Storm Drain System	Unknown	Unknown	Unknown	Unknown	Unknown	07003269	07003269			
07000001	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
Various Playas	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Various Ponds	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
Various Wetlands	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
07000026	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Multiple			
07000027	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Unknown			
07000028	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Unknown			
07000029	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Unknown			
07000030	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Unknown			
07000031	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Unknown			
07000032	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Unknown			
07000033	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Unknown			
07000034	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Unknown			
07000035	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Unknown			
07000036	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Unknown			
07000037	Unknown	Unknown	Unknown	Unknown	Unknown	Multiple	Unknown			

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Existing Project ID	RFPG No.	RFPG Name	Project Name	Description	Counties	HUC8s	HUC12s A	Watersheds A	Project Status	Project Cost	Dedicated Funding for Construction (Yes/No)	Source of Funding	Expected Year of Completion	Anticipated Benefit
07000001	07	Upper Brazos	City of Abilene Buttonwillow Creek Crossing	Replacement of low water crossing	Taylor	12060102	120601020708	07000276	Proposed	\$ 1,400,000	Yes	Stormwater Fee (Partial)	2022 (not funded)	Reduce the number of road closures caused by flooding, restore emergency access in lower storm events
07000002	07	Upper Brazos	City of Abilene Buttonwillow Upstream Detention	Regional detention pond	Taylor	12060102	120601020708	07000276	Proposed	\$ 3,540,000	Yes	Stormwater Fee (Partial)	2022 (not funded)	Reduce the number of road closures caused by flooding, restore emergency access in lower storm events, reduce flood levels downstream
07000003	07	Upper Brazos	City of Abilene Catclaw Creek From S. 11th to S. 7th	Enhance storage capacity of creek channel, raise Sammons Street and regional detention improvements	Taylor	12060102	120601020711	07000279	Proposed	\$ 976,000	Yes	Stormwater Fee	2022 (rescheduled)	Reduce peak flows in Catclaw creek, remove repetitive loss claims in smaller storm events, increase storage detention in the city
07000004	07	Upper Brazos	City of Abilene Downtown Railroad Underpasses	Installation of sensors at three railroad underpass to monitor water levels	Taylor	12060102	120601020708, 120601020710	07000276, 07000278	Proposed	\$ 636,000	Yes	Stormwater Fee (Partial)	2022 (not funded)	Supply warning signals at low water RR under passes. Prevent rescues from flooded vehicles
07000005	07	Upper Brazos	City of Abilene Elm Creek Detention below Southwest Drive	Proposed detention pond	Taylor	12060102	120601020711	07000279	Proposed	\$ 6,900,000	Yes	Stormwater Fee (Partial)	2022 (not funded)	Reduce peak flows in creek, reduce structural flooding, add detention to city system.
07000006	07	Upper Brazos	City of Abilene Elm Creek Diversion	Upstream detention / bypass on Elm Creek	Taylor	12060102	120601020705, 120601020711	07000271, 07000279	Proposed	\$ 80,000,000	Yes	Stormwater Fee (Partial)	2022 (not funded)	Relieve peak flows in Elm Creek, reduce flooding in Elm Creek.
07000007	07	Upper Brazos	City of Abilene Improve Curry Lane Detention Pond	Installation of drainage flumes and curb and gutter along Curry Lane, construction of bypass pipe from Catclaw Creek, deepening of existing detention pond and extension of storm drain in Curry Lane	Taylor	12060102	120601020711	07000279	Proposed	\$ 4,800,000	Yes	Stormwater Fee (Partial)	2022 (not funded)	Reduce peak flows in Elm creek, remove repetitive loss claims, increase storage detention in the city
07000008	07	Upper Brazos	City of Abilene Little Elm Creek at S. 7th Street	Channel improvements, enlargement of culvert under South 7th and overflow detention	Taylor	12060102	120601020705	07000271	Proposed	\$ 5,530,000	Yes	Stormwater Fee (Partial)	2022 (Rescheduled)	Reduce peak flows in creek, reduce structural flooding, add detention to city system.
07000009	07	Upper Brazos	City of Abilene Operations of Lake Abilene	Increase available flood storage in the reservoir	Taylor	12060102	120601020703	07000273	Proposed	\$ 139,000	Yes	Stormwater Fee (Partial)	2022 (Rescheduled)	Reduce peak flows in creek, reduce structural flooding, add detention to city system.
07000010	07	Upper Brazos	City of Abilene Treadway and S. 27th Street	Construction of new storms drains and valley gutters	Taylor	12060102	120601020708	07000276	Proposed	\$ 909,482	Yes	Stormwater Fee (Partial)	2022 (not funded)	Reduce the number of road closures caused by flooding, restore emergency access in lower storm events
07000011	07	Upper Brazos	City of Lubbock Flood Protection Planning for Watersheds	Flood protection planning activities for restoration of the Canyon Lakes System on the City of Shallowater-Yellow House Draw and the Buffalo Springs Lake-North Fork Double Mountain Fork Brazos River	Lubbock	12050001	120500011301	07000374	Ongoing	\$ 562,500	No	FIF	2024	Update H&H models and maps. Identify flood risk and projects.

\* Summary of proposed or ongoing flood mitigation projects currently under construction, being implemented; and or with dedicated construction funding

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Existing Project ID	RFPG No.	RFPG Name	Project Name	Description	Counties	HUC8s	HUC12s A	Watersheds A	Project Status	Project Cost	Dedicated Funding for Construction (Yes/No)	Source of Funding	Expected Year of Completion	Anticipated Benefit
07000012	07	Upper Brazos	City of Lubbock Northwest Drainage Improvements	The City proposes to construct the upstream half of a trunk line, the upstream inlet, and additional laterals and inlets of their stormwater system to maintain playa lakes at a pre-rain condition.	Lubbock	12050003	120500030102	07000002	Ongoing	\$ 35,000,000	Yes	CWSRF	2022	Restore capacity within the playa lakes.
07000013	07	Upper Brazos	Fisher County Flood Protection Dam	Flood protection dams north of Rotan	Fisher	12060102	120601020205	07000231	Ongoing	\$ 75,000	No	State, Federal, Taxes	2024	Protect downstream City of Rotan
07000014	07	Upper Brazos	Hamlin Dam Improvements	Harden earthen dam at Hamlin South Lake per request of TCEQ.	Jones	12050003	120500030303, 120500030304	07000008, 07000009	Ongoing	\$ 100,000	No	State, Federal, Taxes	2024	Per TCEQ, Erosion and earthen stabilization is needed at dam
07000015	07	Upper Brazos	Hamlin South Lake Dam Diversion	Divert water to prevent breaching of Hamlin South Lake Dam.	Jones	12050004	120500040507	07000071	Proposed	\$ 50,000	No	State, Federal, Taxes	2024	Dam is at capacity, investigate diverting storm water to assist dam
07000016	07	Upper Brazos	Idalou Playa Lake Improvements	Establish native grass buffers around Playa Lakes to filter out soil and contaminants from flooding; replenish dry Playa Lakes to ensure protection of aquifers and mitigate declining water tables due to drought.	Lubbock	12060101	120601010403	07000179	Proposed	\$ 10,000	No	City	2024	Restore Playa Lake health, improve infiltration, re-establish natural vegetation
07000017	07	Upper Brazos	Lake Alan Henry Dam Rehab	Enhance lake capacity and harden dam structure	Garza	12060103	120601030208	07000298	Ongoing	\$ 400,000	No	State, Federal, Taxes	2023	Increase storage capacity.
07000018	07	Upper Brazos	Lake Benjamin Improvements	Reinforcement of slopes and dam spillway	Knox	12050003	120500030104	07000024	Proposed	\$ 99,250	Yes	State, Federal, Taxes	2024	Stabilize the dam spillway and earthen side to prevent failure or a breach.
07000019	07	Upper Brazos	Lake Stamford Improvements	Expand spillway	Haskell	12050003	120500030104	07000024	Proposed	\$ 50,000	No	State, Federal, Taxes	2023	Improve spillway to allow more discharge
07000020	07	Upper Brazos	McMillan Dam Warning System	Enhance and expand existing limited alert system equipment currently in place at McMillan Dam	Lubbock	Many	Many	Many	Ongoing	\$ 375,000	No	State, Federal, Taxes	2024	Warn residents downstream of dam releases and over topping flooding.
07000021	07	Upper Brazos	McMillan Dam High Risk Repairs	Make repairs to McMillan Dam as identified as high risk by TCEQ to prevent failure.	Lubbock	12050005	120500050108	07000453	Ongoing	\$ 550,000	No	ARPA (Partial funding)	2024	1. Rehabilitating dam and spillway 2. Increase storage capacity to reduce flooding downstream
07000022	07	Upper Brazos	Nolan County Warning System	Install county-wide outdoor warning sirens for any emergency of natural and/or man-made hazardous events.	Nolan	12050003	120500030104	07000024	Proposed	\$ 50,000	No	State, Federal, Taxes	2023	Protect the residents from disasters in the county cities.
07000023	07	Upper Brazos	Parmer Buyout Program	Buy out 5 properties, pending owners' voluntary agreement, along East St., that are directly across from the playa lake and to make the area into open green space	Parmer	12060103	120601030102	07000314	Proposed	\$ 1,000,000	No	State, Federal, Taxes	2023	Buy out repetitive loss structures, expand the local playa and park

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Existing Project ID	RFPG No.	RFPG Name	Project Name	Description	Counties	HUC8s	HUC12s <sup>A</sup>	Watersheds <sup>A</sup>	Project Status	Project Cost	Dedicated Funding for Construction (Yes/No)	Source of Funding	Expected Year of Completion	Anticipated Benefit
07000024	07	Upper Brazos	Ransom Canyon Evacuation Route	As part of the Village's Emergency Operations Plan, construct an alternate evacuation route for residents affected by McMillan Dam failure	Lubbock	12060103	120601030102	07000314	Proposed	\$ 500,000	No	HMAP Grant	2024	Design and construct an evacuation route for residents below the dam
07000025	07	Upper Brazos	Taylor County Gauge/Flood Barrier Program	Install automated creek rain gauges and automated barriers for flooded roadways.	Taylor	Many	Many	Many	Proposed	\$ 150,000	No	State, Federal, Taxes	2024	Advance warning systems for river flows and overtopping

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<sup>A</sup> Leave blank if too many for text field length (254 characters).

	County	Area in Flood Planning Region (sqmi)	1% Annual Chance Flood Risk								0.2% Annual Chance Flood Risk								Possible Flood Prone Areas								Average SVI of features in floodplain or flood prone areas
			Area in Floodplain (sqmi)	Number of Structures in Floodplain	Residential Structures in Floodplain	Population	Roadway Stream Crossings (#)	Roadways Segments (miles)	Agricultural Areas (sqmi)	Critical Facilities (#)	Area in Floodplain (sqmi)	Number of Structures in Floodplain	Residential Structures in Floodplain	Population	Roadway Stream Crossings (#)	Roadways Segments (miles)	Agricultural Areas (sqmi)	Critical Facilities (#)	Area (sqmi)	Number of Structures in Flood Prone Area	Residential Structures in Flood Prone Area	Population	Roadway Stream Crossings (#)	Roadways Segments (miles)	Agricultural Areas (sqmi)	Critical Facilities (#)	
1	Archer	21.92	2.77	0	0	0	8	1.92	1.37	0	3.43	1	0	2442	54	656.27	85.47	4	0	0	0	0	0	0	0	0	0.258
2	Bailey	826.04	181.39	475	46	759	49	499.03	50.89	1	285.96	1472	177	1350	183	75.84	52.03	5	0	0	0	0	0	0	0	0	0.749
3	Baylor	392.43	97.19	361	199	684	165	53.91	44.49	1	111.55	886	572	1	0	7.70	3.81	0	0	0	0	0	0	0	0	0.310	
4	Borden	54.56	11.22	10	0	1	0	4.82	2.49	0	14.08	14	0	169	304	67.17	5.59	0	0	0	0	0	0	0	0	0.159	
5	Callahan	433.08	72.73	81	21	86	285	56.15	4.80	0	80.35	158	54	221	41	342.25	54.26	1	0	0	0	0	0	0	0	0.426	
6	Castro	451.09	57.53	51	0	82	40	280.90	36.73	1	82.50	165	0	1414	6	344.64	130.11	5	0	0	0	0	0	0	0	0.614	
7	Cochran	324.54	118.89	278	134	340	6	246.07	77.73	3	189.18	964	636	1296	56	506.71	120.62	5	0	0	0	0	0	0	0	0.792	
8	Crosby	895.54	165.57	279	62	325	47	349.60	71.78	2	238.65	929	345	0	0	3.56	0.39	0	0	0	0	0	0	0	0	0.769	
9	Dawson	3.96	0.37	0	0	0	0	2.95	0.25	0	0.58	0	0	205	171	169.53	34.85	2	0	0	0	0	0	0	0	0.375	
10	Dickens	573.36	125.40	195	0	125	163	111.88	24.34	1	149.74	293	0	231	59	13.55	0.53	2	0	0	0	0	0	0	0	0.694	
11	Eastland	125.24	23.25	116	13	135	51	11.73	0.51	2	25.15	170	25	199	235	115.46	46.17	2	0	0	0	0	0	0	0	0.448	
12	Fisher	899.76	125.50	119	24	89	215	89.15	37.10	1	151.13	225	46	676	41	363.88	84.33	4	0	0	0	0	0	0	0	0.516	
13	Floyd	406.96	71.16	116	14	99	41	254.52	44.67	1	119.29	471	130	584	115	157.84	26.97	1	0	0	0	0	0	0	0	0.709	
14	Garza	884.78	188.47	158	34	315	97	97.67	15.80	1	236.98	349	100	6898	108	1256.99	236.40	9	0	0	0	0	0	0	0	0.687	
15	Hale	995.80	122.57	1318	824	3089	85	221.61	93.29	2	298.40	3091	1781	1347	398	282.27	117.06	8	0	0	0	0	0	0	0	0.646	
16	Haskell	907.40	233.96	788	294	708	371	226.39	93.20	3	275.14	1398	640	14896	51	874.82	169.91	14	0	0	0	0	0	0	0	0.685	
17	Hockley	811.43	161.59	1770	1270	5273	45	625.72	93.93	5	283.76	5360	4031	2064	450	243.21	90.32	9	0	0	0	0	0	0	0	0.548	
18	Jones	932.89	180.15	1145	499	1118	428	189.05	73.67	8	213.09	2066	1062	12	101	58.61	6.32	1	0	0	0	0	0	0	0	0.493	
19	Kent	888.14	179.68	38	3	3	98	40.56	5.07	1	206.82	65	8	1	30	8.45	0.75	0	0	0	0	0	0	0	0	0.408	
20	King	335.64	51.15	3	0	1	28	7.16	0.64	0	57.35	3	0	1986	125	166.33	67.09	12	0	0	0	0	0	0	0	0.267	
21	Knox	432.37	125.24	968	526	1310	114	130.50	52.02	9	150.45	1395	675	1712	61	842.64	115.94	4	0	0	0	0	0	0	0	0.644	
22	Lamb	1015.97	174.88	438	208	932	58	612.33	71.90	3	273.04	1081	584	41741	117	1061.24	191.94	32	0	0	0	0	0	0	0	0.731	
23	Lubbock	898.27	113.82	6880	5342	20269	103	357.54	79.02	15	262.41	15943	12404	714	12	622.69	132.52	2	0	0	0	0	0	0	0	0.460	
24	Lynn	673.43	115.40	81	29	217	8	475.18	82.30	0	183.44	267	145	0	0	1.69	0.42	0	0	0	0	0	0	0	0	0.583	
25	Mitchell	8.18	0.61	1	1	0	0	1.65	0.40	0	0.63	1	1	515	144	51.32	17.20	3	0	0	0	0	0	0	0	0.335	
26	Nolan	460.87	35.36	264	172	412	129	40.97	15.51	3	42.55	373	222	540	52	461.37	31.23	0	0	0	0	0	0	0	0	0.435	
27	Parmer	552.88	42.52	51	4	47	47	343.33	18.64	0	66.04	155	37	35	65	21.02	11.33	0	0	0	0	0	0	0	0	0.700	
28	Scurry	392.99	54.72	13	2	23	62	17.88	10.63	0	59.05	16	3	283	228	54.32	45.72	1	0	0	0	0	0	0	0	0.710	
29	Shackelford	912.41	133.25	347	134	178	206	43.33	37.19	1	156.42	550	208	1081	267	79.16	55.52	2	0	0	0	0	0	0	0	0.622	
30	Stephens	561.28	141.71	657	99	709	241	64.18	44.33	2	165.31	992	186	26	178	73.12	13.28	0	0	0	0	0	0	0	0	0.441	
31	Stonewall	924.75	173.79	67	11	12	167	49.35	10.09	0	203.53	103	21	19	3	64.71	10.03	0	0	0	0	0	0	0	0	0.375	
32	Swisher	73.52	8.62	5	3	10	2	46.63	6.61	0	12.88	18	3	33599	409	298.04	14.68	17	0	0	0	0	0	0	0	0.520	
33	Taylor	611.54	74.01	11167	9822	25896	383	244.59	11.74	14	88.73	14677	12817	5	0	31.31	7.90	0	0	0	0	0	0	0	0	0.431	
34	Terry	24.94	5.98	4	0	5	0	27.41	5.27	0	9.05	4	0	97	357	78.35	113.58	1	0	0	0	0	0	0	0	0.560	
35	Throckmorton	912.49	184.64	98	20	67	330	65.27	99.25	1	209.71	169	36	208	264	82.76	58.85	1	0	0	0	0	0	0	0	0.423	
36	Young	407.86	79.25	190	28	128	227	53.13	40.39	0	121.94	263	59	208	80	82.76	79.23	1	0	0	0	0	0	0	0	0.462	
<b>Total</b>		<b>20028.31</b>	<b>3634.37</b>	<b>28532</b>	<b>19838</b>	<b>63447</b>	<b>4299</b>	<b>5944.06</b>	<b>1358.03</b>	<b>81</b>	<b>5028.36</b>	<b>54087</b>	<b>37008</b>	<b>116775</b>	<b>4765</b>	<b>9621.60</b>	<b>2232.37</b>	<b>148</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.527</b>

	County	Area in Flood Planning Region (sqmi)	1% Annual Chance Flood Risk								0.2% Annual Chance Flood Risk								Possible Flood Prone Areas								Average SVI of features in floodplain or flood prone areas
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1	Archer	21.92	3.43	1	0	20	9	2.58	1.66	0	3.43	1	0	20	9	2.58	1.66	0	0	0	0	0	0	0	0	0	0.258
2	Bailey	826.04	181.39	475	46	759	49	499.03	50.89	1	285.96	1472	177	2442	54	656.27	85.47	4	0	0	0	0	0	0	0	0	0.749
3	Baylor	392.43	111.55	886	572	1350	183	75.84	52.03	5	111.55	886	572	1350	183	75.84	52.03	5	0	0	0	0	0	0	0	0	0.310
4	Borden	54.56	11.70	10	0	1	0	4.99	2.49	0	14.08	14	0	1	0	7.70	3.81	0	0	0	0	0	0	0	0	0	0.159
5	Callahan	433.08	80.35	158	54	169	304	67.17	5.59	0	80.35	158	54	169	304	67.17	5.59	0	0	0	0	0	0	0	0	0	0.426
6	Castro	451.09	57.53	52	0	82	40	280.90	36.73	1	82.50	165	0	221	41	342.25	54.26	1	0	0	0	0	0	0	0	0	0.614
7	Cochran	324.54	118.89	278	134	340	6	246.08	77.73	3	189.18	964	636	1414	6	344.64	130.11	5	0	0	0	0	0	0	0	0	0.792
8	Crosby	895.54	181.79	397	68	338	56	368.52	73.71	2	238.65	929	345	1296	56	506.71	120.62	5	0	0	0	0	0	0	0	0	0.769
9	Dawson	3.96	0.37	0	0	0	0	2.95	0.25	0	0.58	0	0	0	0	3.56	0.39	0	0	0	0	0	0	0	0	0	0.375
10	Dickens	573.36	148.84	293	0	205	171	168.28	34.03	2	149.74	293	0	205	171	169.53	34.85	2	0	0	0	0	0	0	0	0	0.694
11	Eastland	125.24	25.15	170	25	231	59	13.55	0.53	2	25.15	170	25	231	59	13.55	0.53	2	0	0	0	0	0	0	0	0	0.448
12	Fisher	899.76	151.13	225	46	199	235	115.46	46.17	2	151.13	225	46	199	235	115.46	46.17	2	0	0	0	0	0	0	0	0	0.516
13	Floyd	406.96	72.01	118	14	100	41	256.71	44.95	1	119.29	471	130	676	41	363.88	84.33	4	0	0	0	0	0	0	0	0	0.709
14	Garza	884.78	222.58	274	68	568	115	127.31	16.80	1	236.98	349	100	584	115	157.84	26.97	1	0	0	0	0	0	0	0	0	0.687
15	Hale	995.80	122.57	1318	824	3089	85	221.98	93.29	2	298.40	3091	1781	6898	108	1256.99	236.40	9	0	0	0	0	0	0	0	0	0.646
16	Haskell	907.40	275.14	1398	640	1347	398	282.27	117.06	8	275.14	1398	640	1347	398	282.27	117.06	8	0	0	0	0	0	0	0	0	0.685
17	Hockley	811.43	161.59	1770	1270	5273	45	625.72	93.93	5	283.76	5360	4031	14896	51	874.82	169.91	14	0	0	0	0	0	0	0	0	0.548
18	Jones	932.89	213.09	2066	1062	2064	450	243.21	90.32	9	213.09	2066	1062	2064	450	243.21	90.32	9	0	0	0	0	0	0	0	0	0.493
19	Kent	888.14	206.82	65	8	12	101	58.61	6.32	1	206.82	65	8	12	101	58.61	6.32	1	0	0	0	0	0	0	0	0	0.408
20	King	335.64	57.35	3	0	1	30	8.45	0.75	0	57.35	3	0	1	30	8.45	0.75	0	0	0	0	0	0	0	0	0	0.267
21	Knox	432.37	150.45	1395	675	1986	125	166.33	67.09	12	150.45	1395	675	1986	125	166.33	67.09	12	0	0	0	0	0	0	0	0	0.644
22	Lamb	1015.97	174.88	438	208	932	58	612.63	71.90	3	273.04	1081	584	1712	61	842.64	115.94	4	0	0	0	0	0	0	0	0	0.731
23	Lubbock	898.27	113.82	6881	5343	20270	103	357.54	79.02	15	262.41	15943	12404	41741	117	1061.24	191.94	32	0	0	0	0	0	0	0	0	0.460
24	Lynn	673.43	115.40	81	29	217	8	475.18	82.30	0	183.44	267	145	714	12	622.69	132.52	2	0	0	0	0	0	0	0	0	0.583
25	Mitchell	8.18	0.63	1	1	0	0	1.69	0.42	0	0.63	1	1	0	0	1.69	0.42	0	0	0	0	0	0	0	0	0	0.335
26	Nolan	460.87	42.55	373	222	515	144	51.32	17.20	3	42.55	373	222	515	144	51.32	17.20	3	0	0	0	0	0	0	0	0	0.435
27	Parmer	552.88	42.52	51	4	47	47	343.49	18.64	0	66.04	155	37	540	52	461.37	31.23	0	0	0	0	0	0	0	0	0	0.700
28	Scurry	392.99	59.05	16	3	35	65	21.02	11.33	0	59.05	16	3	35	65	21.02	11.33	0	0	0	0	0	0	0	0	0	0.710
29	Shackelford	912.41	156.42	550	208	283	228	54.32	45.72	1	156.42	550	208	283	228	54.32	45.72	1	0	0	0	0	0	0	0	0	0.622
30	Stephens	561.28	165.31	992	186	1081	267	79.16	55.52	2	165.31	992	186	1081	267	79.16	55.52	2	0	0	0	0	0	0	0	0	0.441
31	Stonewall	924.75	203.53	103	21	26	178	73.12	13.28	0	203.53	103	21	26	178	73.12	13.28	0	0	0	0	0	0	0	0	0	0.375
32	Swisher	73.52	8.62	5	3	10	2	46.71	6.61	0	12.88	18	3	19	3	64.71	10.03	0	0	0	0	0	0	0	0	0	0.520
33	Taylor	611.54	88.73	14677	12817	33599	409	298.04	14.68	17	88.73	14677	12817	33599	409	298.04	14.68	17	0	0	0	0	0	0	0	0	0.431
34	Terry	24.94	5.98	4	0	5	0	27.42	5.27	0	9.05	4	0	5	0	31.31	7.90	0	0	0	0	0	0	0	0	0	0.560
35	Throckmorton	912.49	209.71	169	36	97	357	78.35	113.58	1	209.71	169	36	97	357	78.35	113.58	1	0	0	0	0	0	0	0	0	0.423
36	Young	407.86	121.94	263	59	208	264	82.76	58.85	1	121.94	263	59	208	264	82.76	58.85	1	0	0	0	0	0	0	0	0	0.462
<b>Total</b>		<b>20028.31</b>	<b>4062.85</b>	<b>35956</b>	<b>24646</b>	<b>75459</b>	<b>4632</b>	<b>6438.70</b>	<b>1506.62</b>	<b>100</b>	<b>5028.36</b>	<b>54087</b>	<b>37008</b>	<b>116587</b>	<b>4694</b>	<b>9541.41</b>	<b>2154.80</b>	<b>147</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.527</b>

Entity 1	Floodplain management regulations	Adopted min. regulations pursuant to Texas Water Code Section 16.3145? *	NFIP Participant*	Higher Standards Adopted	Floodplain Management Practices	Level of enforcement of practices	Existing Stormwater or Drainage Fee	Web Link to entity regulations 2
	(Yes/ No/ Unknown) 1	(Yes/ No) 1	(Yes/ No) 1	(Yes/ No) 2	(Strong/ Moderate/ Low/ None) 2	(High/ Moderate/ Low/ None) 2, 3	(Yes/No) 2	
<b>Counties</b>								
Archer County	Yes	No	Yes	No	Low		No	<a href="#">Archer County, Texas</a>
Bailey County	Yes	No	No	No	Low		No	
Baylor County	Yes	No	Yes	No	Low		No	
Borden County	Yes	No	No	No	Low		No	<a href="#">Borden County, Tx</a>
Callahan County	Yes	No	No	No	Low		No	<a href="#">Callahan County, Tx</a>
Castro County	Yes	No	No	No	Low		No	
Cochran County	Yes	No	No	No	Low		No	
Crosby County	Yes	No	No	No	Low		No	
Dawson County	No	No	No	No	None		No	
Dickens County	Yes	No	No	No	Low		No	<a href="#">Dickens County, Tx</a>
Eastland County	Yes	No	Yes	No	Low		No	<a href="#">Eastland County, Tx</a>
Fisher County	No	No	No	No	Low		No	
Floyd County	Yes	No	Yes	No	Low		No	
Garza County	Yes	No	No	No	Low		No	
Hale County	Yes	No	Yes	No	Low		No	<a href="#">Welcome to Hale County, TX</a>
Haskell County	Yes	No	Yes	No	Low		No	
Hockley County	Yes	No	Yes	No	Low		No	
Jones County	Yes	No	Yes	No	Low		No	
Kent County	Yes	No	No	No	Low		No	
King County	Yes	No	Yes	No	Low		No	
Knox County	No	No	No	No	Low		No	
Lamb County	Yes	No	No	No	Low		No	<a href="#">Lamb County, Tx</a>
Lubbock County	Yes	Yes	Yes	Yes	Strong		No	<a href="#">Lubbock County, Tx</a>
Lynn County	No	No	No	No	Low		No	<a href="#">Lynn County, Tx</a>
Mitchell County	Yes	No	Yes	No	Low		No	
Nolan County	Yes	No	Yes	No	Low		No	
Parmer County	No	No	No	No	Low		No	<a href="#">Parmer County, Tx - HMP</a>
Scurry County	No	No	No	No	Low		No	
Shackelford County	Yes	No	Yes	No	Low		No	
Stephens County	Yes	Yes	Yes	Yes	Moderate		No	
Stonewall County	Yes	No	No	No	Low		No	
Swisher County	Yes	No	Yes	No	Low		No	
Taylor County	Yes	Yes	Yes	Yes	Moderate		No	<a href="#">Taylor County, Tx</a>
Terry County	Yes	No	No	No	Low		No	
Throckmorton County	Yes	No	No	No	Low		No	
Young County	Yes	Yes	Yes	Yes	Moderate		No	<a href="#">Young County, Tx</a>
<b>Cities</b>								
Abernathy	Yes	Yes	Yes	Yes	Moderate		No	<a href="https://cityofabernathy.org/Ordinances.html">https://cityofabernathy.org/Ordinances.html</a>
Abilene	Yes	Yes	Yes	Yes	Moderate		Yes	<a href="#">City of Abilene - Stormwater Services</a>
Albany	Yes	Yes	Yes	No	Low		No	
Amherst	No	No	No	No	None		No	No Website
Anson	Yes	Yes	Yes	No	Low		No	<a href="#">City of Anson, Tx</a>
Anton	Yes	no	Yes	No	Low		No	
Aspermont	No	No	No	No	None		No	
Baird	Yes	Yes	Yes	No	Low		No	
Benjamin	No	No	No	No	None		No	

\*Some communities participate in the NFIP but do not have FIRMs therefore do not meet min. standards of the Texas Water Code.

2 RFPs are not required to provide information for these fields and may choose to leave these fields blank.

Entity 1	Floodplain management regulations	Adopted min. regulations pursuant to Texas Water Code Section 16.3145? *	NFIP Participant*	Higher Standards Adopted	Floodplain Management Practices	Level of enforcement of practices	Existing Stormwater or Drainage Fee	Web Link to entity regulations 2
	(Yes/ No/ Unknown) 1	(Yes/ No) 1	(Yes/ No) 1	(Yes/ No) 2	(Strong/ Moderate/ Low/ None) 2	(High/ Moderate/ Low/ None) 2, 3	(Yes/No) 2	
Bovina	No	No	No	No	None		No	
Breckenridge	Yes	Yes	Yes	No	Low		No	<a href="#">City of Breckenridge, Tx - CoO</a>
Buffalo Gap	Yes	No	Yes	No	Low		No	
Buffalo Springs	Yes	No	Yes	No	Low		No	
Cisco	Yes	Yes	Yes	No	Low		No	<a href="#">Code of Ordinances</a>
Clyde	Yes	Yes	Yes		Low		No	
Crosbyton	Yes	No	Yes	No	Low		No	<a href="#">City of Crosbyton, Tx - CoO</a>
Dickens	No	No	No	No	None		No	
Dimmitt	Yes	No	Yes	No	Low		No	
Earth	Yes	No	Yes	No	Low		No	
Edmonson	No	No	No	No	None		No	
Farwell	Yes	No	No	No	Low		No	
Floydada	Yes	No	Yes	No	Low		No	
Goree	No	No	No	No	None		No	
Hale Center	No	No	No	No	None		No	<a href="http://www.cityofhalecenter.com/">http://www.cityofhalecenter.com/</a>
Hamlin	Yes	No	Yes	No	Low		No	
Hart	Yes	No	No	No	Low		No	
Haskell	Yes	No	Yes	No	Low		No	
Hawley	Yes	No	Yes	No	Moderate		No	
Idalou	Yes	Yes	Yes	No	Low		No	
Impact	No	No	No	No	None		No	
Jayton	Yes	No	No	No	Low		No	
Knox City	Yes	No	Yes	No	Low		No	
Levelland	Yes	Yes	Yes	Yes	Moderate		No	<a href="#">City of Levelland, Tx - CoO</a>
Littlefield	Yes	Yes	Yes	No	Low		No	<a href="#">City of Littlefield, Tx - CoO</a>
Lockney	No	No	No	No	None		No	
Lorenzo	Yes	Yes	Yes	No	Low		No	
Lubbock	Yes	Yes	Yes	Yes	Strong		Yes	<a href="#">City of Lubbock, Tx - CoO</a>
Lueders	No	No	No	No	None		No	
Megargel	Yes	No	Yes	No	Low		No	
Merkel	Yes	No	Yes	No	Low		No	
Moran	No	No	No	No	Low		No	
Morton	Yes	No	Yes	No	Low		No	
Muleshoe	Yes	Yes	Yes	No	Low		No	<a href="#">City of Muleshoe - Emergency Management</a>
Munday	No	No	No	No	Low		No	
New Deal	Yes	Yes	Yes	No	Low		No	
New Home	Yes	No	No	No	Low		No	
Newcastle	Yes	No	Yes	No	Low		No	
O'Brien	Yes	No	Yes	No	Low		No	
Olton	Yes	Yes	Yes	No	Low		No	
Opdyke West	Yes	No	No	No	Low	Low	No	
Petersburg	No	No	No	No	None		No	
Plainview	Yes	Yes	Yes	Yes	Moderate		No	<a href="#">City of Plainview, Tx - CoO</a>
Post	Yes	Yes	Yes	No	Low		No	<a href="#">City of Post, Tx - CoO</a>
Putnam	No	No	No	No	None		No	
Ralls	Yes	No	Yes	No	Low		No	
Ransom Canyon	Yes	Yes	Yes	Yes	Moderate		No	

\*Some communities participate in the NFIP but do not have FIRMs therefore do not meet min. standards of the Texas Water Code.

2 RFPs are not required to provide information for these fields and may choose to leave these fields blank.



Entity 1	Floodplain management regulations	Adopted min. regulations pursuant to Texas Water Code Section 16.3145? *	NFIP Participant*	Higher Standards Adopted	Floodplain Management Practices	Level of enforcement of practices	Existing Stormwater or Drainage Fee	Web Link to entity regulations 2
	(Yes/ No/ Unknown) 1	(Yes/ No) 1	(Yes/ No) 1	(Yes/ No) 2	(Strong/ Moderate/ Low/ None) 2	(High/ Moderate/ Low/ None) 2, 3	(Yes/No) 2	
Roby	No	No	No	No	None		No	
Rochester	No	No	No	No	None		No	
Ropesville	No	No	No	No	None		No	
Roscoe	Yes	No	Yes	No	Low		No	
Rotan	Yes	No	Yes	No	Low		No	
Rule	Yes	No	No	No	Low		No	
Seymour	Yes	Yes	Yes	No	Low		No	<a href="#">City of Seymour, Tx - CoO</a>
Shallowater	Yes	No	Yes	No	Low		No	
Slaton	Yes	Yes	Yes	Yes	Moderate		No	
Smyer	No	No	No	No	None		No	
Springlake	Yes	No	Yes	No	Low		No	
Spur	Yes	No	Yes	No	Low		No	
Stamford	Yes	No	Yes	No	Low		No	
Sudan	No	No	No	No	Low		No	
Sweetwater	Yes	Yes	Yes	Yes	Strong		No	<a href="#">City of Sweetwater, Tx</a>
Tahoka	Yes	Yes	Yes	No	Low		No	<a href="#">City of Tahoka, Tx - CoO</a>
Throckmorton	Yes	No	Yes	No	Low		No	
Trent	Yes	No	Yes	No	Low		No	
Tuscola	Yes	No	Yes	No	Low		No	
Tye	Yes	Yes	Yes	No	Low		No	
Weinert	No	No	No	No	None		No	
Whiteface	Yes	No	No	No	Low		No	
Wilson	Yes	No	No	No	Low		No	
Wolfforth	Yes	Yes	Yes	No	Low		No	
Woodson	Yes	No	Yes	No	Low		No	
<b>Special purpose district</b>								
Brazos River Authority	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Lower Colorado River Authority	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Red River Authority of Texas	n/a	n/a	n/a	n/a	n/a	n/a	n/a	

1 At a minimum, the RFPGs must list all counties, cities and communities in the region with flood related authority in the region and identify whether entity they have any established floodplain management practices.

2 RFPGs are not required to provide information for these fields and may choose to leave these fields blank.

3 The following may serve as a guide for evaluating enforcement:

high – actively enforces the entire ordinance, performs many inspections throughout construction process, issues fines, violations, and Section 1316s where appropriate, and enforces substantial damage and substantial improve

moderate – enforces much of the ordinance, performs limited inspections and is limited in issuance of fines and violations;

low – provides permitting of development in the floodplain, may not perform inspections, may not issue fines or violations;

\*Some communities participate in the NFIP but do not have FIRMs therefore do not meet min. standards of the Texas Water Code.

2 RFPGs are not required to provide information for these fields and may choose to leave these fields blank.

Goal ID	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	How will the Goal be Measured	Overarching Goal	Associated Goal IDs
07000011	Increase the availability of flood hazard data that uses the best available land use and precipitation data to reduce gaps in floodplain mapping by 25%.	Short Term (10 year)	2033	Entire RFPG	No change in flood risk; improves understanding of flood risk.	Number of evaluations performed.	Protect against loss of life and property	07000012
07000012	Increase the availability of flood hazard data that uses the best available land use and precipitation data to reduce gaps in floodplain mapping by 75%.	Long Term (30 year)	2053	Entire RFPG	No change in flood risk; improves understanding of flood risk.	Number of evaluations performed.	Protect against loss of life and property	07000011
07000021	Improve safety at 20% of low water crossings through structural improvements and / or warning / signage systems.	Short Term (10 year)	2033	Entire RFPG	80% of Low Water Crossings have no change in flood risk.	Number of low water crossings with improved safety.	Protect against loss of life and property	07000022
07000022	Improve safety at 50% of low water crossings through structural improvements and / or warning / signage systems.	Long Term (30 year)	2053	Entire RFPG	50% of Low Water Crossings have no change in flood risk.	Number of low water crossings with improved safety.	Protect against loss of life and property	07000021
07000031	Establish a baseline of the risks associated with high and significant hazard and NRCS dams within the region, including coordination with the Texas State Soil & Water Conservation Board dam maintenance plan.	Short Term (10 year)	2033	Entire RFPG	No change in flood risk; improves understanding of flood risk.	Number of dams with quantified flood risk.	Protect against loss of life and property	07000032
07000032	Participate in projects to bring 50% of deficient dams up to current state and / or federal standards.	Long Term (30 year)	2053	Entire RFPG	50% of deficient dams have no change in flood risk.	Number of dams improved.	Protect against loss of life and property	07000031
07000041	Reduce structures in 1% existing flood hazard layer by 5%.	Short Term (10 year)	2033	Entire RFPG	95% of structures have no change in flood risk.	Number of structures removed from 1% flood risk.	Protect against loss of life and property	07000042
07000042	Reduce structures in 1% existing flood hazard layer by 15%.	Long Term (30 year)	2053	Entire RFPG	85% of structures have no change in flood risk.	Number of structures removed from 1% flood risk.	Protect against loss of life and property	07000041
07000051	Establish a baseline of the flood risk to agriculture, ranching, energy, and forestry and the associated flood-related losses.	Short Term (10 year)	2033	Entire RFPG	No change in flood risk; improves understanding of flood risk.	Number of agriculture, ranching, energy and forestry properties with quantified flood risk.	Protect against loss of life and property	07000052
07000052	Encourage best practices to reduce the vulnerability of agriculture, ranching, energy, and forestry to flood-related losses through community outreach.	Long Term (30 year)	2053	Entire RFPG	No change in flood risk; improves understanding of flood risk.	Number of community outreach events for agriculture, ranching, energy and forestry flood risk.	Protect against loss of life and property	07000051
07000061	Improve the participation of community stakeholder identities in the regional flood planning process by 25%.	Short Term (10 year)	2033	Entire RFPG	Entities not participating in the RFP have limited consideration in the Flood Plan.	Number of entities participating in the RFP process.	Protect against loss of life and property	07000062
07000062	Improve the participation of community stakeholder identities in the regional flood planning process by 75%.	Long Term (30 year)	2053	Entire RFPG	Entities not participating in the RFP have limited consideration in the Flood Plan.	Number of entities participating in the RFP process.	Protect against loss of life and property	07000061
07000063	Encourage annual public outreach and education activities to improve awareness of flood hazards, flood planning, and projects associated with emergency response associated with flooding.	Long Term (30 year)	2053	Entire RFPG	No change in flood risk; improves understanding of flood risk.	Number of community outreach events for flood risk emergency response.	Protect against loss of life and property	None
07000071	Locate dedicated funding sources for 25% of cities with populations over 10,000 and 10% of counties. Locate funding sources for communities with populations less than 10,000.	Short Term (10 year)	2033	Entire RFPG	Entities without dedicated funding have no change in flood risk.	Number of entities with dedicated funding for flood risk reduction.	Protect against loss of life and property	07000072
07000072	Locate dedicated funding sources for 50% of cities with populations over 10,000 and 30% of counties. Locate funding sources for communities with populations less than 10,000.	Long Term (30 year)	2053	Entire RFPG	Entities without dedicated funding have no change in flood risk.	Number of entities with dedicated funding for flood risk reduction.	Protect against loss of life and property	07000071
07000081	Increase the number of entities that have floodplain standards that meet or exceed the NFIP-minimum standards to 90% of cities with populations over 10,000 and 85% of counties.	Short Term (10 year)	2033	Entire RFPG	No change in flood risk; improves understanding of flood risk; reduces improvement and new development flood risk.	Number of entities participating in NFIP or with equivalent standards.	Protect against loss of life and property	07000082
07000082	Increase the number of entities that have floodplain standards that meet or exceed the NFIP-minimum standards to 100% of cities with populations over 10,000 and 100% of counties.	Long Term (30 year)	2053	Entire RFPG	No change in flood risk; improves understanding of flood risk; reduces improvement and new development flood risk.	Number of entities participating in NFIP or with equivalent standards.	Protect against loss of life and property	07000081
07000083	Increase the number of entities that designate the 1% annual chance floodplain on future land use plans that serve as the basis for zoning regulations to 90% of cities with populations over 10,000 and 85% of counties.	Short Term (10 year)	2033	Entire RFPG	No change in flood risk; improves understanding of flood risk; reduces improvement and new development flood risk.	Number of entities with 1% flood risk consideration on Future Land Use plans.	Protect against loss of life and property	07000084
07000084	Increase the number of entities that designate the 1% annual chance floodplain on future land use plans that serve as the basis for zoning regulations to 100% of cities with populations over 10,000 and 100% of counties.	Long Term (30 year)	2053	Entire RFPG	No change in flood risk; improves understanding of flood risk; reduces improvement and new development flood risk.	Number of entities with 1% flood risk consideration on Future Land Use plans.	Protect against loss of life and property	07000083
07000085	Encourage all communities to avoid new exposure to flood hazards by adopting comprehensive plans and subdivision regulations that direct development away from the floodplain.	Long Term (30 year)	2053	Entire RFPG	No change in flood risk; improves understanding of flood risk; reduces improvement and new development flood risk.	Number of entities with development standards related to flooding.	Protect against loss of life and property	None



FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000001	Bailey County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Bailey	Many	Many	Yellow House Draw, Blackwater Draw	Watershed Planning	826	Playa	Bailey	Bailey
071000002	Baylor County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Baylor	Many	Many	Many	Watershed Planning	392	Riverine	Baylor	Baylor
071000003	Borden County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Borden	Many	Many	Many	Watershed Planning	55	Riverine, Playa	Borden	Borden
071000004	Callahan County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Callahan	Many	Many	Many	Watershed Planning	433	Riverine	Callahan	Callahan
071000005	Cochran County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Cochran	Many	Many	Town of Whiteface, Town of Famuliner, Town of Neely Ward	Watershed Planning	325	Playa	Cochran	Cochran
071000006	Crosby County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Crosby	Many	Many	Olton Cemetery, Town of Olton, 120500060202	Watershed Planning	896	Riverine, Playa	Crosby	Crosby
071000007	Dickens County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Dickens	Many	Many	Many	Watershed Planning	573	Riverine, Playa	Dickens	Dickens
071000008	Fisher County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Fisher	Many	Many	Many	Watershed Planning	900	Riverine	Fisher	Fisher
071000009	Garza County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Garza	Many	Many	Many	Watershed Planning	885	Riverine, Playa	Garza	Garza
071000010	Kent County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Kent	Many	Many	Many	Watershed Planning	888	Riverine	Kent	Kent
071000011	King County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	King	Many	Many	Many	Watershed Planning	336	Riverine	King	King
071000012	Knox County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Knox	Many	Many	Upper Battle Creek, Middle Battle Creek, Pecan Creek	Watershed Planning	432	Riverine	Knox	Knox
071000013	Lamb County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Lamb	Many	Many	Many	Watershed Planning	1016	Playa	Lamb	Lamb
071000014	Lynn County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Lynn	Many	Many	Many	Watershed Planning	673	Playa	Lynn	Lynn
071000015	Parmer County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Parmer	Many	Many	Many	Watershed Planning	553	Playa	Parmer	Parmer
071000016	Stonewall County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Stonewall	Many	Many	Town of Whiteface, Town of Famuliner, Town of Neely Ward	Watershed Planning	925	Riverine	Stonewall	Stonewall
071000017	Castro County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Castro	Many	Many	Many	Watershed Planning	451	Playa	Castro	Castro
071000018	City of Abilene Update FEMA Mapping	Update City of Abilene models to modern software, update FEMA maps	07000011, 07000012	Taylor	Many	Many	Many	Watershed Planning	112	Riverine	City of Abilene	City of Abilene
071000019	Eastland County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Eastland	Many	Many	Many	Watershed Planning	125	Riverine	Eastland	Eastland

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
071000001	Bailey County Initial FEMA Mapping	No	\$ 711,000	\$ -	475	46	759	1	13	Unknown	499.0	32,567	BLE 2024	BLE 2024
071000002	Baylor County Initial FEMA Mapping	No	\$ 888,000	\$ 1,000,000	361	199	684	-	7	Unknown	53.9	28,476	BLE 2024	BLE 2024
071000003	Borden County Initial FEMA Mapping	No	\$ 882,000	\$ -	10	-	1	-	-	Unknown	4.8	1,592	BLE 2024	BLE 2024
071000004	Callahan County Initial FEMA Mapping	No	\$ 895,000	\$ -	81	21	86	-	12	Unknown	56.1	3,074	BLE 2024	BLE 2024
071000005	Cochran County Initial FEMA Mapping	No	\$ 671,000	\$ -	278	134	340	2	1	Unknown	246.1	49,750	BLE 2024	BLE 2024
071000006	Crosby County Initial FEMA Mapping	No	\$ 834,000	\$ -	279	62	325	2	6	Unknown	349.6	45,936	BLE 2024	BLE 2024
071000007	Dickens County Initial FEMA Mapping	No	\$ 919,000	\$ -	195	-	125	1	2	Unknown	111.9	15,575	BLE 2024	BLE 2024
071000008	Fisher County Initial FEMA Mapping	No	\$ 859,000	\$ -	120	24	89	-	-	Unknown	89.1	23,747	BLE 2024	BLE 2024
071000009	Garza County Initial FEMA Mapping	No	\$ 882,000	\$ -	158	34	315	-	11	Unknown	97.7	10,113	BLE 2024	BLE 2024
071000010	Kent County Initial FEMA Mapping	No	\$ 965,000	\$ -	38	3	3	1	4	Unknown	40.6	3,244	BLE 2024	BLE 2024
071000011	King County Initial FEMA Mapping	No	\$ 954,000	\$ -	3	-	1	-	1	Unknown	7.2	409	BLE 2024	BLE 2024
071000012	Knox County Initial FEMA Mapping	No	\$ 871,000	\$ -	968	526	1,310	4	2	Unknown	130.5	33,293	BLE 2024	BLE 2024
071000013	Lamb County Initial FEMA Mapping	No	\$ 890,000	\$ -	438	208	932	3	24	Unknown	612.3	46,013	BLE 2024	BLE 2024
071000014	Lynn County Initial FEMA Mapping	No	\$ 778,000	\$ -	81	29	217	-	7	Unknown	475.2	52,669	BLE 2024	BLE 2024
071000015	Parmer County Initial FEMA Mapping	No	\$ 787,000	\$ -	51	4	47	-	5	Unknown	343.3	11,930	BLE 2024	BLE 2024
071000016	Stonewall County Initial FEMA Mapping	No	\$ 893,000	\$ -	67	11	12	-	6	Unknown	49.3	6,457	BLE 2024	BLE 2024
071000017	Castro County Update FEMA Mapping	No	\$ 870,000	\$ -	51	-	82	-	6	Unknown	280.9	23,504	BLE 2024	BLE 2024
071000018	City of Abilene Update FEMA Mapping	No	\$ 321,000	\$ -	10,861	9,399	25,333	10	58	Unknown	218.5	1,235	BLE 2024	BLE 2024
071000019	Eastland County Update FEMA Mapping	No	\$ 327,000	\$ -	116	13	135	-	2	Unknown	11.7	325	BLE 2024	BLE 2024

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000020	Floyd County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Floyd	Many	Many	Many	Watershed Planning	407	Riverine, Playa	Floyd	Floyd
071000021	Haskell County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Haskell	Many	Many	Many	Watershed Planning	907	Riverine	Haskell	Haskell
071000022	Hockley County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Hockley	Many	Many	Many	Watershed Planning	811	Playa	Hockley	Hockley
071000023	Mitchell County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Mitchell	Many	Many	Many	Watershed Planning	8	Playa	Mitchell	Mitchell
071000024	Nolan County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Nolan	Many	Many	Many	Watershed Planning	461	Riverine	Nolan	Nolan
071000025	Scurry County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Scurry	Many	Many	Many	Watershed Planning	393	Riverine	Scurry	Scurry
071000026	Shackelford County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Shackelford	Many	Many	Many	Watershed Planning	912	Riverine	Shackelford	Shackelford
071000027	Stephens County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Stephens	Many	Many	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	Watershed Planning	561	Riverine	Stephens	Stephens
071000028	Swisher County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Swisher	Many	Many	Many	Watershed Planning	74	Playa	Swisher	Swisher
071000029	Terry County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Terry	Many	Many	Many	Watershed Planning	25	Playa	Terry	Terry
071000030	Throckmorton County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Throckmorton	Many	Many	Many	Watershed Planning	912	Riverine	Throckmorton	Throckmorton
071000031	Baylor County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Baylor	Many	Many	Many	Watershed Planning	392	Riverine	Baylor	Baylor
071000032	Callahan County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Callahan	Many	Many	Many	Watershed Planning	433	Riverine	Callahan	Callahan
071000033	Castro County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Castro	Many	Many	Many	Watershed Planning	451	Playa	Castro	Castro
071000034	City of Albany DMP	Evaluate city storm infrastructure and floodways for adequate capacity.	07000011, 07000012	Shackelford	Many	Many	Many	Watershed Planning	1.6	Riverine	City of Albany	City of Albany
071000035	City of Amherst DMP	Evaluate City of Amherst for a Storm Water Master Plan.	07000011, 07000012	Lamb	Many	Many	120500011104, City of Amherst	Watershed Planning	0.9	Playa	City of Amherst	City of Amherst

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
071000020	Floyd County Update FEMA Mapping	No	\$ 1,116,000	\$ -	116	14	99	-	4	Unknown	254.5	28,587	BLE 2024	BLE 2024
071000021	Haskell County Update FEMA Mapping	No	\$ 1,024,000	\$ -	788	294	708	1	15	Unknown	226.4	59,648	BLE 2024	BLE 2024
071000022	Hockley County Update FEMA Mapping	No	\$ 987,000	\$ -	1,771	1,270	5,273	5	9	Unknown	625.7	60,113	BLE 2024	BLE 2024
071000023	Mitchell County Update FEMA Mapping	No	\$ 926,000	\$ -	1	1	-	-	-	Unknown	1.6	257	BLE 2024	BLE 2024
071000024	Nolan County Update FEMA Mapping	No	\$ 920,000	\$ -	264	172	412	1	21	Unknown	41.0	9,929	BLE 2024	BLE 2024
071000025	Scurry County Update FEMA Mapping	No	\$ 897,000	\$ -	13	2	23	-	6	Unknown	17.9	6,805	BLE 2024	BLE 2024
071000026	Shackelford County Update FEMA Mapping	No	\$ 932,000	\$ -	347	134	178	-	4	Unknown	43.3	23,799	BLE 2024	BLE 2024
071000027	Stephens County Update FEMA Mapping	No	\$ 920,000	\$ -	657	99	709	1	2	Unknown	64.2	28,369	BLE 2024	BLE 2024
071000028	Swisher County Update FEMA Mapping	No	\$ 920,000	\$ -	5	3	10	-	-	Unknown	46.6	4,233	BLE 2024	BLE 2024
071000029	Terry County Update FEMA Mapping	No	\$ 1,010,000	\$ -	4	-	5	-	-	Unknown	27.4	3,373	BLE 2024	BLE 2024
071000030	Throckmorton County Update FEMA Mapping	No	\$ 1,010,000	\$ -	98	20	67	-	6	Unknown	65.3	63,522	BLE 2024	BLE 2024
071000031	Baylor County DMP	No	\$ 500,000	\$ -	361	199	684	-	7	Unknown	53.9	28,476	BLE 2024	BLE 2024
071000032	Callahan County DMP	No	\$ 500,000	\$ -	81	21	86	-	12	Unknown	56.1	3,074	BLE 2024	BLE 2024
071000033	Castro County DMP	No	\$ 500,000	\$ -	51	-	82	-	6	Unknown	280.9	23,504	BLE 2024	BLE 2024
071000034	City of Albany DMP	No	\$ 250,000	\$ -	158	97	93	-	-	Unknown	5.9	0	BLE 2024	BLE 2024
071000035	City of Amherst DMP	No	\$ 250,000	\$ -	13	10	6	-	-	Unknown	3.1	14	BLE 2024	BLE 2024

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000036	City of Anson DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Jones	Many	Many	Upper Redmud Creek	Watershed Planning	2.8	Riverine	City of Anson	City of Anson
071000037	City of Clyde DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Callahan	Many	Many	Upper Deadman Creek	Watershed Planning	0.5	Riverine	City of Clyde	City of Clyde
071000038	City of Earth DMP	Evaluate City of Earth for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lamb	Many	Many	Town of Earth-Blackwater Draw	Watershed Planning	1.2	Playa	City of Earth	City of Earth
071000039	City of Hamlin DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Jones	Many	Many	Moore Lake-California Creek	Watershed Planning	5.3	Riverine	City of Hamlin	City of Hamlin
071000040	City of Littlefield DMP	Evaluate City of Littlefield for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lamb	Many	Many	Many	Watershed Planning	6.3	Playa	City of Littlefield	City of Littlefield
071000041	City of Olton DMP	Evaluate City of Olton for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lamb	Many	Many	Olton Cemetery, Town of Olton	Watershed Planning	1.4	Playa	City of Olton	City of Olton
071000042	City of Moran DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Shackelford	Many	Many	Post Oak Creek, Cordwood Creek-Deep Creek	Watershed Planning	0.4	Riverine	City of Moran	City of Moran
071000043	City of Munday DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Knox	Many	Many	City of Munday	Watershed Planning	1.4	Riverine	City of Munday	City of Munday
071000044	City of New Home DMP	Evaluate City of New Home for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lynn	Many	Many	Many	Watershed Planning	1.0	Playa	City of New Home	City of New Home
071000045	City of Newcastle DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Determine locations for additional detention/retention basins.	07000011, 07000012	Young	Many	Many	Post Oak Creek-Brazos River	Watershed Planning	1.8	Riverine	City of Newcastle	City of Newcastle
071000046	City of Post DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Garza	Many	Many	Many	Watershed Planning	3.8	Riverine	City of Post	City of Post
071000047	City of Roscoe DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Nolan	Many	Many	Many	Watershed Planning	3.2	Riverine	City of Roscoe	City of Roscoe

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
071000036	City of Anson DMP	No	\$ 250,000	\$ -	53	26	349	-	-	Unknown	2.5	12	BLE 2024	BLE 2024
071000037	City of Clyde DMP	No	\$ 250,000	\$ -	-	-	-	-	-	Unknown	0.0	-	BLE 2024	BLE 2024
071000038	City of Earth DMP	No	\$ 250,000	\$ -	65	41	54	-	-	Unknown	3.4	49	BLE 2024	BLE 2024
071000039	City of Hamlin DMP	No	\$ 250,000	\$ -	274	187	470	2	-	Unknown	11.7	230	BLE 2024	BLE 2024
071000040	City of Littlefield DMP	No	\$ 250,000	\$ -	55	20	66	-	-	Unknown	12.0	29	BLE 2024	BLE 2024
071000041	City of Olton DMP	No	\$ 250,000	\$ -	63	45	71	-	-	Unknown	6.8	14	BLE 2024	BLE 2024
071000042	City of Moran DMP	No	\$ 250,000	\$ -	18	11	16	-	-	Unknown	0.9	-	BLE 2024	BLE 2024
071000043	City of Munday DMP	No	\$ 250,000	\$ -	690	417	1,065	4	-	Unknown	19.8	183	BLE 2024	BLE 2024
071000044	City of New Home DMP	No	\$ 250,000	\$ -	-	-	-	-	-	Unknown	0.0	19	BLE 2024	BLE 2024
071000045	City of Newcastle DMP	No	\$ 250,000	\$ -	11	9	11	-	-	Unknown	0.8	36	BLE 2024	BLE 2024
071000046	City of Post DMP	No	\$ 250,000	\$ -	36	14	251	-	-	Unknown	6.4	-	BLE 2024	BLE 2024
071000047	City of Roscoe DMP	No	\$ 250,000	\$ -	194	142	322	1	-	Unknown	10.6	380	BLE 2024	BLE 2024



Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000048	City of Seymour DMP	Evaluate city to analyze roads/stream crossing for emergency response vehicles to high hazard areas. Evaluate city storm infrastructure for deficiencies.	07000011, 07000012	Baylor	Many	Many	Camp Creek-Duck Creek, Dockum Creek, Spade Draw-Duck Creek	Watershed Planning	2.9	Riverine	City of Seymour	City of Seymour
071000049	City of Springlake DMP	Evaluate City of Springlake for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lamb	Many	Many	Many	Watershed Planning	1.0	Playa	City of Springlake	City of Springlake
071000050	City of Spur DMP	Emulate the City of Spur storm infrastructure. Determine level of service, recommend improvements.	07000011, 07000012	Dickens	Many	Many	Bull Wagon Creek, Indian Creek, Lower Little Elm Creek	Watershed Planning	1.6	Riverine	City of Spur	City of Spur
071000051	City of Sudan DMP	Evaluate City of Sudan for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lamb	Many	Many	Many	Watershed Planning	1.0	Playa	City of Sudan	City of Sudan
071000052	City of Sweetwater DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Nolan	Many	Many	Many	Watershed Planning	11	Riverine	City of Sweetwater	City of Sweetwater
071000053	City of Tahoka DMP	Evaluate City of Tahoka for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lynn	Many	Many	Town of Tahoka	Watershed Planning	2.4	Playa	City of Tahoka	City of Tahoka
071000054	City of Tuscola DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Taylor	Many	Many	Many	Watershed Planning	0.1	Riverine	City of Tuscola	City of Tuscola
071000055	City of Tye DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Taylor	Many	Many	Many	Watershed Planning	4.8	Riverine	City of Tye	City of Tye
071000056	City of Wilson DMP	Evaluate City of Wilson for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lynn	Many	Many	Many	Watershed Planning	0.6	Playa	City of Wilson	City of Wilson
071000057	Cochran County DMP	Identify bridge and culvert crossings damaged by past flooding events. Create a GIS map and assessment condition report for each structure.	07000011, 07000012	Cochran	Many	Many	Many	Watershed Planning	325	Playa	Cochran	Cochran
071000058	Dickens County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Dickens	12050001, 12050002	Many	Many	Watershed Planning	573	Riverine, Playa	Dickens	Dickens
071000059	Fisher County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Fisher	12050001, 12050002	Many	Many	Watershed Planning	900	Riverine	Fisher	Fisher

FME ID	FME Name	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
071000048	City of Seymour DMP	No	\$ 250,000	\$ -	195	135	592	-	-	Unknown	8.0	43	BLE 2024	BLE 2024
071000049	City of Springlake DMP	No	\$ 250,000	\$ -	2	2	2	-	-	Unknown	0.0	3	BLE 2024	BLE 2024
071000050	City of Spur DMP	No	\$ 250,000	\$ -	57	-	37	-	-	Unknown	3.0	0	BLE 2024	BLE 2024
071000051	City of Sudan DMP	No	\$ 250,000	\$ -	70	47	634	3	-	Unknown	5.3	5	BLE 2024	BLE 2024
071000052	City of Sweetwater DMP	No	\$ 250,000	\$ -	8	5	4	-	4	Unknown	1.7	-	BLE 2024	BLE 2024
071000053	City of Tahoka DMP	No	\$ 250,000	\$ -	17	11	26	-	-	Unknown	8.1	0	BLE 2024	BLE 2024
071000054	City of Tuscola DMP	No	\$ 250,000	\$ -	-	-	-	-	-	Unknown	0.0	-	BLE 2024	BLE 2024
071000055	City of Tye DMP	No	\$ 250,000	\$ -	5	2	5	-	-	Unknown	0.6	63	BLE 2024	BLE 2024
071000056	City of Wilson DMP	No	\$ 250,000	\$ -	2	1	9	-	-	Unknown	0.3	17	BLE 2024	BLE 2024
071000057	Cochran County DMP	No	\$ 500,000	\$ -	278	134	340	2	1	Unknown	246.1	49,750	BLE 2024	BLE 2024
071000058	Dickens County DMP	No	\$ 500,000	\$ -	195	-	125	1	2	Unknown	111.9	15,575	BLE 2024	BLE 2024
071000059	Fisher County DMP	No	\$ 500,000	\$ -	120	24	89	-	-	Unknown	89.1	23,747	BLE 2024	BLE 2024



Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000060	Garza County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Garza	Many	Many	Many	Watershed Planning	885	Riverine, Playa	Garza	Garza
071000061	Haskell County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Haskell	Many	Many	Many	Watershed Planning	907	Riverine	Haskell	Haskell
071000062	Jones County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Jones	Many	Many	Many	Watershed Planning	933	Riverine	Jones	Jones
071000063	Kent County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Kent	Many	Many	Bull Wagon Creek, Indian Creek, Lower Little Elm Creek	Watershed Planning	888	Riverine	Kent	Kent
071000064	Knox County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Knox	Many	Many	Bull Wagon Creek, Indian Creek, Lower Little Elm Creek	Watershed Planning	432	Riverine	Knox	Knox
071000065	Lamb County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Lamb	Many	Many	Olton Cemetery, Town of Olton, 120500060202	Watershed Planning	1016	Playa	Lamb	Lamb
071000066	Lynn County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Lynn	Many	Many	Many	Watershed Planning	673	Playa	Lynn	Lynn
071000067	Mitchell County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Mitchell	Many	Many	Many	Watershed Planning	8	Riverine	Mitchell	Mitchell
071000068	Nolan County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Nolan	Many	Many	Many	Watershed Planning	461	Riverine	Nolan	Nolan
071000069	Parmer County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Parmer	Many	Many	Many	Watershed Planning	553	Playa	Parmer	Parmer

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
071000060	Garza County DMP	No	\$ 500,000	\$ -	158	34	315	-	11	Unknown	97.7	10,113	BLE 2024	BLE 2024
071000061	Haskell County DMP	No	\$ 500,000	\$ -	788	294	708	1	15	Unknown	226.4	59,648	BLE 2024	BLE 2024
071000062	Jones County DMP	No	\$ 500,000	\$ -	1,145	499	1,118	2	8	Unknown	189.0	47,149	BLE 2024	BLE 2024
071000063	Kent County DMP	No	\$ 500,000	\$ -	38	3	3	1	4	Unknown	40.6	3,244	BLE 2024	BLE 2024
071000064	Knox County DMP	No	\$ 500,000	\$ -	968	526	1,310	4	2	Unknown	130.5	33,293	BLE 2024	BLE 2024
071000065	Lamb County DMP	No	\$ 500,000	\$ -	438	208	932	3	24	Unknown	612.3	46,013	BLE 2024	BLE 2024
071000066	Lynn County DMP	No	\$ 500,000	\$ -	81	29	217	-	7	Unknown	475.2	52,669	BLE 2024	BLE 2024
071000067	Mitchell County DMP	No	\$ 500,000	\$ -	1	1	-	-	-	Unknown	1.6	257	BLE 2024	BLE 2024
071000068	Nolan County DMP	No	\$ 500,000	\$ -	264	172	412	1	21	Unknown	41.0	9,929	BLE 2024	BLE 2024
071000069	Parmer County DMP	No	\$ 500,000	\$ -	51	4	47	-	5	Unknown	343.3	11,930	BLE 2024	BLE 2024

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000070	Scurry County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Scurry	Many	Many	Many	Watershed Planning	393	Riverine	Scurry	Scurry
071000071	Shackelford County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Shackelford	Many	Many	Upper Battle Creek, Middle Battle Creek, Pecan Creek	Watershed Planning	912	Riverine	Shackelford	Shackelford
071000072	Stephens County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Stephens	Many	Many	Many	Watershed Planning	561	Riverine	Stephens	Stephens
071000073	Stonewall County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Stonewall	Many	Many	Many	Watershed Planning	925	Riverine	Stonewall	Stonewall
071000074	Swisher County DMP	Evaluate the TxDOT low water crossings county-wide	07000011, 07000012	Swisher	Many	Many	Many	Watershed Planning	74	Playa	Swisher	Swisher
071000075	Taylor County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Taylor	Many	Many	Town of Whiteface, Town of Famuliner, Town of Neely Ward	Watershed Planning	612	Riverine	Taylor	Taylor
071000076	Throckmorton County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Throckmorton	Many	Many	Many	Watershed Planning	912	Riverine	Throckmorton	Throckmorton
071000077	Town of Aspermont DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Stonewall	Many	Many	Many	Watershed Planning	2.1	Riverine	Town of Aspermont	Town of Aspermont
071000078	Town of Buffalo Gap DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Evaluate areas with repetitive losses. Recommend mitigation needs.	07000011, 07000012	Taylor	Many	Many	Many	Watershed Planning	2.4	Riverine	Town of Buffalo Gap	Town of Buffalo Gap
071000079	Town of Megargel DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Evaluate the storm drain system for capacity and functionality.	07000011, 07000012	Archer	Many	Many	Many	Watershed Planning	0.2	Riverine	Town of Megargel	Town of Megargel

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
071000070	Scurry County DMP	No	\$ 500,000	\$ -	13	2	23	-	6	Unknown	17.9	6,805	BLE 2024	BLE 2024
071000071	Shackelford County DMP	No	\$ 500,000	\$ -	347	134	178	-	4	Unknown	43.3	23,799	BLE 2024	BLE 2024
071000072	Stephens County DMP	No	\$ 500,000	\$ -	657	99	709	1	2	Unknown	64.2	28,369	BLE 2024	BLE 2024
071000073	Stonewall County DMP	No	\$ 500,000	\$ -	67	11	12	-	6	Unknown	49.3	6,457	BLE 2024	BLE 2024
071000074	Swisher County DMP	No	\$ 500,000	\$ -	5	3	10	-	-	Unknown	46.6	4,233	BLE 2024	BLE 2024
071000075	Taylor County DMP	No	\$ 500,000	\$ -	11,167	9,822	25,896	11	72	Unknown	244.6	7,516	BLE 2024	BLE 2024
071000076	Throckmorton County DMP	No	\$ 500,000	\$ -	98	20	67	-	6	Unknown	65.3	63,522	BLE 2024	BLE 2024
071000077	Town of Aspermont DMP	No	\$ 250,000	\$ -	-	-	-	-	-	Unknown	0.8	2	BLE 2024	BLE 2024
071000078	Town of Buffalo Gap DMP	No	\$ 250,000	\$ -	18	15	16	-	-	Unknown	1.5	0	BLE 2024	BLE 2024
071000079	Town of Megargel DMP	No	\$ 250,000	\$ -	-	-	-	-	-	Unknown	0.0	-	BLE 2024	BLE 2024

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000080	Town of Rochester DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Haskell	Many	Many	Many	Watershed Planning	0.3	Riverine	Town of Rochester	Town of Rochester
071000081	Town of Rule DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Haskell	Many	Many	Many	Watershed Planning	0.7	Riverine	Town of Rule	Town of Rule
071000082	Town of Woodson DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Throckmorton	Many	Many	Many	Watershed Planning	0.6	Riverine	Town of Woodson	Town of Woodson
071000083	Young County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Young	Many	Many	Many	Watershed Planning	408	Riverine	Young	Young
071000084	Archer County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Archer	Many	Many	Many	Other	22	Riverine	Archer	Archer
071000085	Bailey County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Bailey	Many	Many	Many	Other	826	Playa	Bailey	Bailey
071000086	Baylor County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Baylor	Many	Many	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	Other	392	Riverine	Baylor	Baylor
071000087	Borden County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Borden	12050007	Many	Many	Other	55	Riverine, Playa	Borden	Borden
071000088	Callahan County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Callahan	12060102	Many	Many	Other	433	Riverine	Callahan	Callahan
071000089	Castro County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Castro	12060103	120601030301	Many	Other	451	Playa	Castro	Castro
071000090	Cochran County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Cochran	12060102	Many	Many	Other	325	Playa	Cochran	Cochran
071000091	Crosby County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Crosby	12060102	Many	Many	Other	896	Riverine, Playa	Crosby	Crosby
071000092	Dawson County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Dawson	12050004	120500040304	120500040305, Town of Plains	Other	4	Playa	Dawson	Dawson
071000093	Dickens County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Dickens	11130209, 12060101	111302090105, 120601010806	Many	Other	573	Riverine, Playa	Dickens	Dickens
071000094	Eastland County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Eastland	12060102, 12090107	120601020801, 120901070101	Upper Battle Creek, Middle Battle Creek, Pecan Creek	Other	125	Riverine	Eastland	Eastland
071000095	Fisher County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Fisher	12060101	120601010405	Many	Other	900	Riverine	Fisher	Fisher

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
071000080	Town of Rochester DMP	No	\$ 250,000	\$ -	27	20	26	-	-	Unknown	1.3	5	BLE 2024	BLE 2024
071000081	Town of Rule DMP	No	\$ 250,000	\$ -	33	25	47	-	-	Unknown	1.7	1	BLE 2024	BLE 2024
071000082	Town of Woodson DMP	No	\$ 250,000	\$ -	10	3	25	-	-	Unknown	0.3	5	BLE 2024	BLE 2024
071000083	Young County DMP	No	\$ 500,000	\$ -	190	28	128	-	1	Unknown	53.1	25,847	BLE 2024	BLE 2024
071000084	Archer County GIS Development	No	\$ 100,000	\$ -	-	-	-	-	-	Unknown	1.9	878	BLE 2024	BLE 2024
071000085	Bailey County GIS Development	No	\$ 100,000	\$ -	475	46	759	1	13	Unknown	499.0	32,567	BLE 2024	BLE 2024
071000086	Baylor County GIS Development	No	\$ 100,000	\$ -	361	199	684	-	7	Unknown	53.9	28,476	BLE 2024	BLE 2024
071000087	Borden County GIS Development	No	\$ 100,000	\$ -	10	-	1	-	-	Unknown	4.8	1,592	BLE 2024	BLE 2024
071000088	Callahan County GIS Development	No	\$ 100,000	\$ -	81	21	86	-	12	Unknown	56.1	3,074	BLE 2024	BLE 2024
071000089	Castro County GIS Development	No	\$ 100,000	\$ -	51	-	82	-	6	Unknown	280.9	23,504	BLE 2024	BLE 2024
071000090	Cochran County GIS Development	No	\$ 100,000	\$ -	278	134	340	2	1	Unknown	246.1	49,750	BLE 2024	BLE 2024
071000091	Crosby County GIS Development	No	\$ 100,000	\$ -	279	62	325	2	6	Unknown	349.6	45,936	BLE 2024	BLE 2024
071000092	Dawson County GIS Development	No	\$ 100,000	\$ -	-	-	-	-	-	Unknown	3.0	158	BLE 2024	BLE 2024
071000093	Dickens County GIS Development	No	\$ 100,000	\$ -	195	-	125	1	2	Unknown	111.9	15,575	BLE 2024	BLE 2024
071000094	Eastland County GIS Development	No	\$ 100,000	\$ -	116	13	135	-	2	Unknown	11.7	325	BLE 2024	BLE 2024
071000095	Fisher County GIS Development	No	\$ 100,000	\$ -	120	24	89	-	-	Unknown	89.1	23,747	BLE 2024	BLE 2024



Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000096	Floyd County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Floyd	12060101	120601010402	Many	Other	407	Riverine, Playa	Floyd	Floyd
071000097	Garza County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Garza	12050003	120500030502, 120500030503	Many	Other	885	Riverine, Playa	Garza	Garza
071000098	Haskell County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Haskell	12050004, 12050007	Many	Town of Whiteface, Town of Famuliner, Town of Neely Ward	Other	907	Riverine	Haskell	Haskell
071000099	Hockley County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Hockley	12060101	120601010401	Many	Other	811	Playa	Hockley	Hockley
071000100	Kent County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Kent	11130206, 12060101	Many	Many	Other	888	Riverine	Kent	Kent
071000101	King County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	King	12050001	120500011103, 120500011104	Many	Other	336	Riverine	King	King
071000102	Knox County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Knox	12050002	120500020410	Many	Other	432	Riverine	Knox	Knox
071000103	Lamb County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Lamb	12050006	120500060201, 120500060202	Many	Other	1016	Playa	Lamb	Lamb
071000104	Lynn County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Lynn	12050001, 12050002	120500011103, 120500020411	Many	Other	673	Playa	Lynn	Lynn
071000105	Mitchell County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Mitchell	12060102	Many	Many	Other	8	Riverine	Mitchell	Mitchell
071000106	Nolan County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Nolan	12060104	120601040203	Many	Other	461	Riverine	Nolan	Nolan
071000107	Parmer County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Parmer	12060105	120601050202, 120601050204	Many	Other	553	Playa	Parmer	Parmer
071000108	Scurry County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Scurry	12060105	120601050105, 120601050106	Many	Other	393	Riverine	Scurry	Scurry
071000109	Shackelford County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Shackelford	12050004	120500040209, 120500040401	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	Other	912	Riverine	Shackelford	Shackelford
071000110	Stephens County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Stephens	12050004	120500040104, 120500040207	Many	Other	561	Riverine	Stephens	Stephens
071000111	Stonewall County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Stonewall	12060103	120601030103	Many	Other	925	Riverine	Stonewall	Stonewall
071000112	Swisher County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Swisher	12050001	120500011105, 120500011106	Many	Other	74	Playa	Swisher	Swisher
071000113	Taylor County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Taylor	12050006	120500060101, 120500060203	Many	Other	612	Riverine	Taylor	Taylor
071000114	Terry County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Terry	12060102	120601020703	Many	Other	25	Playa	Terry	Terry
071000115	Throckmorton County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Throckmorton	12060101	120601010401	Many	Other	912	Riverine	Throckmorton	Throckmorton

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
071000096	Floyd County GIS Development	No	\$ 100,000	\$ -	116	14	99	-	4	Unknown	254.5	28,587	BLE 2024	BLE 2024
071000097	Garza County GIS Development	No	\$ 100,000	\$ -	158	34	315	-	11	Unknown	97.7	10,113	BLE 2024	BLE 2024
071000098	Haskell County GIS Development	No	\$ 100,000	\$ -	788	294	708	1	15	Unknown	226.4	59,648	BLE 2024	BLE 2024
071000099	Hockley County GIS Development	No	\$ 100,000	\$ -	1,771	1,270	5,273	5	9	Unknown	625.7	60,113	BLE 2024	BLE 2024
071000100	Kent County GIS Development	No	\$ 100,000	\$ -	38	3	3	1	4	Unknown	40.6	3,244	BLE 2024	BLE 2024
071000101	King County GIS Development	No	\$ 100,000	\$ -	3	-	1	-	1	Unknown	7.2	409	BLE 2024	BLE 2024
071000102	Knox County GIS Development	No	\$ 100,000	\$ -	968	526	1,310	4	2	Unknown	130.5	33,293	BLE 2024	BLE 2024
071000103	Lamb County GIS Development	No	\$ 100,000	\$ -	438	208	932	3	24	Unknown	612.3	46,013	BLE 2024	BLE 2024
071000104	Lynn County GIS Development	No	\$ 100,000	\$ -	81	29	217	-	7	Unknown	475.2	52,669	BLE 2024	BLE 2024
071000105	Mitchell County GIS Development	No	\$ 100,000	\$ -	1	1	-	-	-	Unknown	1.6	257	BLE 2024	BLE 2024
071000106	Nolan County GIS Development	No	\$ 100,000	\$ -	264	172	412	1	21	Unknown	41.0	9,929	BLE 2024	BLE 2024
071000107	Parmer County GIS Development	No	\$ 100,000	\$ -	51	4	47	-	5	Unknown	343.3	11,930	BLE 2024	BLE 2024
071000108	Scurry County GIS Development	No	\$ 100,000	\$ -	13	2	23	-	6	Unknown	17.9	6,805	BLE 2024	BLE 2024
071000109	Shackelford County GIS Development	No	\$ 100,000	\$ -	347	134	178	-	4	Unknown	43.3	23,799	BLE 2024	BLE 2024
071000110	Stephens County GIS Development	No	\$ 100,000	\$ -	657	99	709	1	2	Unknown	64.2	28,369	BLE 2024	BLE 2024
071000111	Stonewall County GIS Development	No	\$ 100,000	\$ -	67	11	12	-	6	Unknown	49.3	6,457	BLE 2024	BLE 2024
071000112	Swisher County GIS Development	No	\$ 100,000	\$ -	5	3	10	-	-	Unknown	46.6	4,233	BLE 2024	BLE 2024
071000113	Taylor County GIS Development	No	\$ 100,000	\$ -	11,167	9,822	25,896	11	72	Unknown	244.6	7,516	BLE 2024	BLE 2024
071000114	Terry County GIS Development	No	\$ 100,000	\$ -	4	-	5	-	-	Unknown	27.4	3,373	BLE 2024	BLE 2024
071000115	Throckmorton County GIS Development	No	\$ 100,000	\$ -	98	20	67	-	6	Unknown	65.3	63,522	BLE 2024	BLE 2024



Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000116	Lake Benjamin Dam Evaluation	Perform full H&H analysis and dam assessment of Lake Benjamin Dam. Assess needs for slope stability and spillway improvements.	07000011, 07000012	Knox	12060101	120601010902	Many	Project Planning	432	Riverine	Knox	Knox
071000117	Canal Street Study	H&H Study to review drainage problems on Canal Street, Knox City to determine mitigation efforts to reduce flooding.	07000011, 07000012	Knox	12060102, 12090108	120601020708, 120901080101	Many	Project Planning	0.8	Riverine	Knox City	Knox City
071000118	John Montford Dam Evaluation	Access the current condition of the intake tower, bridge and structure at John Montford Dam. Evaluate the seepage through the Dam.	07000011, 07000012	Lubbock	12060102	120601020703	Many	Project Planning	898	Riverine, Playa	Lubbock	Lubbock
071000119	Archer County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Archer	12060102	120601020711	Many	Other	22	Riverine	Archer	Archer
071000120	Archer County Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	07000041, 07000042	Archer	12050003	120500030103	Many	Project Planning	22	Riverine	Archer	Archer
071000121	Bailey County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Bailey	Many	Many	Many	Other	826	Playa	Bailey	Bailey
071000122	Baylor County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Baylor	Many	Many	Many	Other	392	Riverine	Baylor	Baylor
071000123	Borden County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Borden	12050001, 12050002	Many	Many	Other	55	Riverine, Playa	Borden	Borden
071000124	Callahan County Buyout Program	Develop a land acquisition program in flood hazard areas.	07000041, 07000042	Callahan	Many	Many	Many	Project Planning	433	Riverine	Callahan	Callahan
071000125	Callahan County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Callahan	Many	Many	Many	Other	433	Riverine	Callahan	Callahan
071000126	Castro County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Castro	Many	Many	Many	Other	451	Playa	Castro	Castro
071000127	City of Abilene Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulative damages"	07000085	Taylor	Many	Many	Many	Project Planning	112	Riverine	City of Abilene	City of Abilene

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
071000116	Lake Benjamin Dam Evaluation	No	\$ 58,000	\$ -	968	526	1,310	4	2	Unknown	130.5	33,293	BLE 2024	BLE 2024
071000117	Canal Street Study	No	\$ 260,000	\$ -	119	69	133	-	-	Unknown	7.9	7	BLE 2024	BLE 2024
071000118	John Montford Dam Evaluation	No	\$ 417,000	\$ -	6,880	5,342	20,269	9	29	Unknown	357.5	50,570	BLE 2024	BLE 2024
071000119	Archer County DCM	No	\$ 100,000	\$ -	-	-	-	-	-	Unknown	1.9	878	BLE 2024	BLE 2024
071000120	Archer County Relocate Critical Facilities High Hazard	No	\$ 2,000,000	\$ -	-	-	-	-	-	Unknown	1.9	878	BLE 2024	BLE 2024
071000121	Bailey County DCM	No	\$ 100,000	\$ -	475	46	759	1	13	Unknown	499.0	32,567	BLE 2024	BLE 2024
071000122	Baylor County DCM	No	\$ 100,000	\$ -	361	199	684	-	7	Unknown	53.9	28,476	BLE 2024	BLE 2024
071000123	Borden County DCM	No	\$ 100,000	\$ -	10	-	1	-	-	Unknown	4.8	1,592	BLE 2024	BLE 2024
071000124	Callahan County Buyout Program	No	\$ 2,000,000	\$ -	81	21	86	-	12	Unknown	56.1	3,074	BLE 2024	BLE 2024
071000125	Callahan County DCM	No	\$ 100,000	\$ -	81	21	86	-	12	Unknown	56.1	3,074	BLE 2024	BLE 2024
071000126	Castro County DCM	No	\$ 100,000	\$ -	51	-	82	-	6	Unknown	280.9	23,504	BLE 2024	BLE 2024
071000127	City of Abilene Higher Standards Program	No	\$ 100,000	\$ -	10,861	9,399	25,333	10	58	Unknown	218.5	1,235	BLE 2024	BLE 2024

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000128	City of Baird Buyout Program	Develop a land acquisition program in flood hazard areas.	07000041, 07000042	Callahan	Many	Many	Many	Project Planning	2.7	Riverine	City of Baird	City of Baird
071000129	City of Baird Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulative damages"	07000085	Callahan	12060102	Many	Town of Whiteface, Town of Famuliner, Town of Neely Ward	Project Planning	2.7	Riverine	City of Baird	City of Baird
071000130	City of Breckenridge Buyout Program	Acquire and demolish repetitive loss properties.	07000041, 07000042	Stephens	12060105	120601050102, 120601050302	Many	Project Planning	4.2	Riverine	City of Breckenridge	City of Breckenridge
071000131	City of Breckenridge Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Stephens	12060105	120601050102, 120601050302	Many	Project Planning	4.2	Riverine	City of Breckenridge	City of Breckenridge
071000132	City of Breckenridge New Ordinance - Detention	Adopt on-site retention basin program in conjunction with development to address excessive stormwater / firefighting water source.	07000085	Stephens	12060105	Many	Many	Project Planning	4.2	Riverine	City of Breckenridge	City of Breckenridge
071000133	City of Clyde Flood Protection Lift Station Program	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	07000041, 07000042	Callahan	12060105	Many	Many	Project Planning	0.5	Riverine	City of Clyde	City of Clyde
071000134	City of Clyde Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Callahan	1.206E+63	#####	Many	Project Planning	0.5	Riverine	City of Clyde	City of Clyde
071000135	City of Clyde Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulative damages"	07000085	Callahan	1.206E+63	#####	Many	Project Planning	0.5	Riverine	City of Clyde	City of Clyde
071000136	City of Hamlin Buyout Program	Acquire and demolish repetitive loss properties.	07000041, 07000042	Jones	Many	Many	Many	Project Planning	5.3	Riverine	City of Hamlin	City of Hamlin
071000137	City of Hamlin Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Jones	Many	Many	Many	Project Planning	5.3	Riverine	City of Hamlin	City of Hamlin
071000138	City of Hamlin Floodproof Sewage Plant Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	07000041, 07000042	Jones	Many	Many	Many	Project Planning	5.3	Riverine	City of Hamlin	City of Hamlin

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
071000128	City of Baird Buyout Program	No	\$ 1,000,000	\$ -	21	12	39	-	-	Unknown	5.1	-	BLE 2024	BLE 2024
071000129	City of Baird Higher Standards Program	No	\$ 25,000	\$ -	21	12	39	-	-	Unknown	5.1	-	BLE 2024	BLE 2024
071000130	City of Breckenridge Buyout Program	No	\$ 1,000,000	\$ -	440	98	562	1	-	Unknown	13.5	4	BLE 2024	BLE 2024
071000131	City of Breckenridge Floodplain Open Space Program	No	\$ 500,000	\$ -	440	98	562	1	-	Unknown	13.5	4	BLE 2024	BLE 2024
071000132	City of Breckenridge New Ordinance - Detention	No	\$ 100,000	\$ -	440	98	562	1	-	Unknown	13.5	4	BLE 2024	BLE 2024
071000133	City of Clyde Flood Protection Lift Station Program	No	\$ 100,000	\$ -	-	-	-	-	-	Unknown	0.0	-	BLE 2024	BLE 2024
071000134	City of Clyde Floodplain Open Space Program	No	\$ 500,000	\$ -	-	-	-	-	-	Unknown	0.0	-	BLE 2024	BLE 2024
071000135	City of Clyde Higher Standards Program	No	\$ 100,000	\$ -	-	-	-	-	-	Unknown	0.0	-	BLE 2024	BLE 2024
071000136	City of Hamlin Buyout Program	No	\$ 1,000,000	\$ -	274	187	470	2	-	Unknown	11.7	230	BLE 2024	BLE 2024
071000137	City of Hamlin Floodplain Open Space Program	No	\$ 500,000	\$ -	274	187	470	2	-	Unknown	11.7	230	BLE 2024	BLE 2024
071000138	City of Hamlin Floodproof Sewage Plant Program	No	\$ 100,000	\$ -	274	187	470	2	-	Unknown	11.7	230	BLE 2024	BLE 2024

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000139	City of Hamlin Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulative damages"	07000085	Jones	Many	Many	Many	Project Planning	5.3	Riverine	City of Hamlin	City of Hamlin
071000140	City of Haskell Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	07000041, 07000042	Haskell	Many	Many	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	Project Planning	3.6	Riverine	City of Haskell	City of Haskell
071000141	City of Levelland DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Lubbock	Many	Many	Many	Other	10	Playa	City of Levelland	City of Levelland
071000142	City of Moran Floodproof Sewage Plant Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	07000041, 07000042	Shackelford	Many	Many	Town of Whiteface, Town of Famuliner, Town of Neely Ward	Project Planning	0.4	Riverine	City of Moran	City of Moran
071000143	City of Moran New Ordinance - Detention	Adopt on-site detention basin program. Detained water to be considered for fire fighting.	07000085	Shackelford	Many	Many	Many	Other	0.4	Riverine	City of Moran	City of Moran
071000144	City of Munday Flood Protection Lift Station Program	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	07000041, 07000042	Knox	Many	Many	Many	Project Planning	1.4	Riverine	City of Munday	City of Munday
071000145	City of Roscoe Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Nolan	Many	Many	Many	Project Planning	3.2	Riverine	City of Roscoe	City of Roscoe
071000146	City of Roscoe Floodproof Sewage Plant Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	07000041, 07000042	Nolan	Many	Many	Many	Project Planning	3.2	Riverine	City of Roscoe	City of Roscoe
071000147	City of Roscoe Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulative damages"	07000085	Nolan	Many	Many	Many	Project Planning	3.2	Riverine	City of Roscoe	City of Roscoe
071000148	City of Roscoe Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	07000041, 07000042	Nolan	Many	Many	Many	Project Planning	3.2	Riverine	City of Roscoe	City of Roscoe
071000149	City of Roscoe Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	07000041, 07000042	Nolan	Many	Many	Many	Project Planning	3.2	Riverine	City of Roscoe	City of Roscoe

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
071000139	City of Hamlin Higher Standards Program	No	\$ 100,000	\$ -	274	187	470	2	-	Unknown	11.7	230	BLE 2024	BLE 2024
071000140	City of Haskell Relocate Critical Facilities High Hazard	No	\$ 1,000,000	\$ -	181	110	324	1	11	Unknown	14.0	37	BLE 2024	BLE 2024
071000141	City of Levelland DCM	No	\$ 100,000	\$ -	1,277	1,018	4,738	5	-	Unknown	46.0	718	BLE 2024	BLE 2024
071000142	City of Moran Floodproof Sewage Plant Program	No	\$ 100,000	\$ -	18	11	16	-	-	Unknown	0.9	-	BLE 2024	BLE 2024
071000143	City of Moran New Ordinance - Detention	No	\$ 100,000	\$ -	18	11	16	-	-	Unknown	0.9	-	BLE 2024	BLE 2024
071000144	City of Munday Flood Protection Lift Station Program	No	\$ 100,000	\$ -	690	417	1,065	4	-	Unknown	19.8	183	BLE 2024	BLE 2024
071000145	City of Roscoe Floodplain Open Space Program	No	\$ 500,000	\$ -	194	142	322	1	-	Unknown	10.6	380	BLE 2024	BLE 2024
071000146	City of Roscoe Floodproof Sewage Plant Program	No	\$ 250,000	\$ -	194	142	322	1	-	Unknown	10.6	380	BLE 2024	BLE 2024
071000147	City of Roscoe Higher Standards Program	No	\$ 100,000	\$ -	194	142	322	1	-	Unknown	10.6	380	BLE 2024	BLE 2024
071000148	City of Roscoe Relocate Critical Facilities High Hazard	No	\$ 1,000,000	\$ -	194	142	322	1	-	Unknown	10.6	380	BLE 2024	BLE 2024
071000149	City of Roscoe Stream Restoration Program	No	\$ 250,000	\$ -	194	142	322	1	-	Unknown	10.6	380	BLE 2024	BLE 2024



FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000150	City of Rotan Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulative damages"	07000085	Fisher	Many	Many	Many	Project Planning	900	Riverine	Fisher	Fisher
071000151	City of Slaton School Campus Drainage Program	Install water drainage system at campuses as backup in severe weather events	07000041, 07000042	Lubbock	Many	Many	Many	Project Planning	5.4	Riverine, Playa	City of Slaton	City of Slaton
071000152	City of Sweetwater DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Nolan	Many	Many	Many	Other	11	Riverine	City of Sweetwater	City of Sweetwater
071000153	City of Tuscola Flood Protection Lift Station Program	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	07000041, 07000042	Taylor	Many	Many	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	Project Planning	0.1	Riverine	City of Tuscola	City of Tuscola
071000154	City of Tye Buyout Program	Develop a land acquisition program in flood hazard areas.	07000041, 07000042	Taylor	Many	Many	Bull Wagon Creek, Indian Creek, Lower Little Elm Creek	Project Planning	4.8	Riverine	City of Tye	City of Tye
071000155	City of Tye Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Taylor	Many	Many	Bull Wagon Creek, Indian Creek, Lower Little Elm Creek	Project Planning	4.8	Riverine	City of Tye	City of Tye
071000156	City of Wolfforth Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulative damages"	07000085	Lubbock	Many	Many	Many	Other	3.1	Riverine	City of Wolfforth	City of Wolfforth
071000157	Cochran County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Cochran	Many	Many	Town of Whiteface, Town of Famuliner, Town of Neely Ward	Other	325	Playa	Cochran	Cochran
071000158	Crosby County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Crosby	Many	Many	Many	Other	896	Riverine, Playa	Crosby	Crosby
071000159	Dawson County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Dawson	Many	Many	Many	Other	4	Playa	Dawson	Dawson
071000160	Dickens County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Dickens	Many	Many	Many	Other	573	Riverine, Playa	Dickens	Dickens

Potential Flood Management Evaluations Identified by RFPG

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071000150	City of Rotan Higher Standards Program	No	\$ 100,000	\$ -	120	24	89	-	-	Unknown	89.1	23,747	BLE 2024	BLE 2024
071000151	City of Slaton School Campus Drainage Program	No	\$ 150,000	\$ -	125	99	180	-	-	Unknown	5.3	101	BLE 2024	BLE 2024
071000152	City of Sweetwater DCM	No	\$ 100,000	\$ -	8	5	4	-	4	Unknown	1.7	-	BLE 2024	BLE 2024
071000153	City of Tuscola Flood Protection Lift Station Program	No	\$ 100,000	\$ -	-	-	-	-	-	Unknown	0.0	-	BLE 2024	BLE 2024
071000154	City of Tye Buyout Program	No	\$ 500,000	\$ -	5	2	5	-	-	Unknown	0.6	63	BLE 2024	BLE 2024
071000155	City of Tye Floodplain Open Space Program	No	\$ 500,000	\$ -	5	2	5	-	-	Unknown	0.6	63	BLE 2024	BLE 2024
071000156	City of Wolfforth Higher Standards Program	No	\$ 100,000	\$ -	54	38	100	-	-	Unknown	4.5	51	BLE 2024	FIRM
071000157	Cochran County DCM	No	\$ 100,000	\$ -	278	134	340	2	1	Unknown	246.1	49,750	BLE 2024	BLE 2024
071000158	Crosby County DCM	No	\$ 100,000	\$ -	279	62	325	2	6	Unknown	349.6	45,936	BLE 2024	BLE 2024
071000159	Dawson County DCM	No	\$ 100,000	\$ -	-	-	-	-	-	Unknown	3.0	158	BLE 2024	BLE 2024
071000160	Dickens County DCM	No	\$ 100,000	\$ -	195	-	125	1	2	Unknown	111.9	15,575	BLE 2024	BLE 2024

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000161	Eastland County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Eastland	Many	Many	Many	Other	125	Riverine	Eastland	Eastland
071000162	Fisher County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Fisher	Many	Many	Many	Other	900	Riverine	Fisher	Fisher
071000163	Floyd County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Floyd	Many	Many	Many	Other	407	Riverine, Playa	Floyd	Floyd
071000164	Garza County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Garza	Many	Many	Many	Other	885	Riverine, Playa	Garza	Garza
071000165	Hale County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Hale	Many	Many	Many	Other	996	Riverine, Playa	Hale	Hale
071000166	Haskell County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Haskell	Many	Many	Many	Other	907	Riverine	Haskell	Haskell
071000167	Hockley County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Hockley	Many	Many	Many	Other	811	Playa	Hockley	Hockley
071000168	Jones County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Jones	Many	Many	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	Other	933	Riverine	Jones	Jones
071000169	Kent County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Kent	Many	Many	Many	Other	888	Riverine	Kent	Kent
071000170	Kent Flood Protection Lift Station Program	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	07000041, 07000042	Kent	Many	Many	Many	Project Planning	888	Riverine	Kent	Kent
071000171	King County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	King	Many	Many	Many	Other	336	Riverine	King	King
071000172	Knox County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Knox	Many	Many	Many	Other	432	Riverine	Knox	Knox
071000173	Knox County Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	07000041, 07000042	Knox	Many	Many	Many	Project Planning	432	Riverine	Knox	Knox
071000174	Knox County Tax Incentive Program	Consider providing tax incentives for development of low-hazard land parcels.	07000085	Knox	Many	Many	Many	Other	432	Riverine	Knox	Knox

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071000161	Eastland County DCM	No	\$ 100,000	\$ -	116	13	135	-	2	Unknown	11.7	325	BLE 2024	BLE 2024
071000162	Fisher County DCM	No	\$ 100,000	\$ -	120	24	89	-	-	Unknown	89.1	23,747	BLE 2024	BLE 2024
071000163	Floyd County DCM	No	\$ 100,000	\$ -	116	14	99	-	4	Unknown	254.5	28,587	BLE 2024	BLE 2024
071000164	Garza County DCM	No	\$ 100,000	\$ -	158	34	315	-	11	Unknown	97.7	10,113	BLE 2024	BLE 2024
071000165	Hale County DCM	No	\$ 100,000	\$ -	1,318	824	3,089	-	6	Unknown	221.6	59,708	BLE 2024	BLE 2024
071000166	Haskell County DCM	No	\$ 100,000	\$ -	788	294	708	1	15	Unknown	226.4	59,648	BLE 2024	BLE 2024
071000167	Hockley County DCM	No	\$ 100,000	\$ -	1,771	1,270	5,273	5	9	Unknown	625.7	60,113	BLE 2024	BLE 2024
071000168	Jones County DCM	No	\$ 100,000	\$ -	1,145	499	1,118	2	8	Unknown	189.0	47,149	BLE 2024	BLE 2024
071000169	Kent County DCM	No	\$ 100,000	\$ -	38	3	3	1	4	Unknown	40.6	3,244	BLE 2024	BLE 2024
071000170	Kent Flood Protection Lift Station Program	No	\$ 100,000	\$ -	38	3	3	1	4	Unknown	40.6	3,244	BLE 2024	BLE 2024
071000171	King County DCM	No	\$ 100,000	\$ -	3	-	1	-	1	Unknown	7.2	409	BLE 2024	BLE 2024
071000172	Knox County DCM	No	\$ 100,000	\$ -	968	526	1,310	4	2	Unknown	130.5	33,293	BLE 2024	BLE 2024
071000173	Knox County Relocate Critical Facilities High Hazard	No	\$ 2,000,000	\$ -	968	526	1,310	4	2	Unknown	130.5	33,293	BLE 2024	BLE 2024
071000174	Knox County Tax Incentive Program	No	\$ 25,000	\$ -	968	526	1,310	4	2	Unknown	130.5	33,293	BLE 2024	BLE 2024

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000175	Knox Flood Protection Lift Station Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	07000041, 07000042	Knox	Many	Many	Many	Project Planning	432	Riverine	Knox	Knox
071000176	Lamb County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Lamb	Many	Many	Many	Other	1016	Playa	Lamb	Lamb
071000177	Lubbock County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Lubbock	Many	Many	Many	Other	898	Riverine, Playa	Lubbock	Lubbock
071000178	Lubbock County Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Lubbock	Many	Many	Many	Project Planning	898	Riverine, Playa	Lubbock	Lubbock
071000179	Lynn County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Lynn	Many	Many	Many	Other	673	Playa	Lynn	Lynn
071000180	Mitchell County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Mitchell	Many	Many	Many	Other	8	Riverine	Mitchell	Mitchell
071000181	Nolan County Buyout Program	Acquire and demolish repetitive loss properties.	07000041, 07000042	Nolan	12060102	Many	Many	Project Planning	461	Riverine	Nolan	Nolan
071000182	Nolan County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Nolan	12050001, 12050004	Many	Many	Other	461	Riverine	Nolan	Nolan
071000183	Nolan County Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Nolan	12050003	Many	Many	Project Planning	461	Riverine	Nolan	Nolan
071000184	Parmer County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Parmer	12060103	120601030103	Many	Other	553	Playa	Parmer	Parmer
071000185	Scurry County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Scurry	12060103	120601030103	Many	Other	393	Riverine	Scurry	Scurry
071000186	Scurry County Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	07000041, 07000042	Scurry	12060103	120601030103	Many	Project Planning	393	Riverine	Scurry	Scurry
071000187	Shackelford County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Shackelford	12060103	120601030103	Many	Other	912	Riverine	Shackelford	Shackelford
071000188	Stephens County Buyout Program	Develop a land acquisition program in flood hazard areas.	07000041, 07000042	Stephens	12060102	Many	Many	Project Planning	561	Riverine	Stephens	Stephens
071000189	Stephens County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Stephens	12060102	Many	Many	Other	561	Riverine	Stephens	Stephens

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071000175	Knox Flood Protection Lift Station Program	No	\$ 100,000	\$ -	968	526	1,310	4	2	Unknown	130.5	33,293	BLE 2024	BLE 2024
071000176	Lamb County DCM	No	\$ 100,000	\$ -	438	208	932	3	24	Unknown	612.3	46,013	BLE 2024	BLE 2024
071000177	Lubbock County DCM	No	\$ 100,000	\$ -	6,880	5,342	20,269	9	29	Unknown	357.5	50,570	BLE 2024	BLE 2024
071000178	Lubbock County Floodplain Open Space Program	No	\$ 1,000,000	\$ -	6,880	5,342	20,269	9	29	Unknown	357.5	50,570	BLE 2024	BLE 2024
071000179	Lynn County DCM	No	\$ 100,000	\$ -	81	29	217	-	7	Unknown	475.2	52,669	BLE 2024	BLE 2024
071000180	Mitchell County DCM	No	\$ 100,000	\$ -	1	1	-	-	-	Unknown	1.6	257	BLE 2024	BLE 2024
071000181	Nolan County Buyout Program	No	\$ 1,000,000	\$ -	264	172	412	1	21	Unknown	41.0	9,929	BLE 2024	BLE 2024
071000182	Nolan County DCM	No	\$ 100,000	\$ -	264	172	412	1	21	Unknown	41.0	9,929	BLE 2024	BLE 2024
071000183	Nolan County Floodplain Open Space Program	No	\$ 1,000,000	\$ -	264	172	412	1	21	Unknown	41.0	9,929	BLE 2024	BLE 2024
071000184	Parmer County DCM	No	\$ 100,000	\$ -	51	4	47	-	5	Unknown	343.3	11,930	BLE 2024	BLE 2024
071000185	Scurry County DCM	No	\$ 100,000	\$ -	13	2	23	-	6	Unknown	17.9	6,805	BLE 2024	BLE 2024
071000186	Scurry County Relocate Critical Facilities High Hazard	No	\$ 2,000,000	\$ -	13	2	23	-	6	Unknown	17.9	6,805	BLE 2024	BLE 2024
071000187	Shackelford County DCM	No	\$ 100,000	\$ -	347	134	178	-	4	Unknown	43.3	23,799	BLE 2024	BLE 2024
071000188	Stephens County Buyout Program	No	\$ 1,000,000	\$ -	657	99	709	1	2	Unknown	64.2	28,369	BLE 2024	BLE 2024
071000189	Stephens County DCM	No	\$ 100,000	\$ -	657	99	709	1	2	Unknown	64.2	28,369	BLE 2024	BLE 2024



FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000190	Stephens County Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	07000041, 07000042	Stephens	12060105	Many	Many	Project Planning	561	Riverine	Stephens	Stephens
071000191	Stephens Flood Protection Lift Station Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	07000041, 07000042	Stephens	12060103	120601030206	Many	Project Planning	561	Riverine	Stephens	Stephens
071000192	Stonewall County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Stonewall	12060102, 12090107	120601020801, 120901070101	Many	Other	925	Riverine	Stonewall	Stonewall
071000193	Stonewall County Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	07000041, 07000042	Stonewall	12060102, 12090107	120601020801, 120901070101	Many	Project Planning	925	Riverine	Stonewall	Stonewall
071000194	Swisher County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Swisher	12060102, 12090107	120601020801, 120901070101	Many	Other	74	Playa	Swisher	Swisher
071000195	Taylor County Dam Inspection Program	Annual dam inspection, partner with SWCD to help fund repairs and maintenance, partner with property owners to report new damage or erosion, and patrol for illegal dumping at dams.	07000031, 07000032	Taylor	12060102	Many	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	Other	612	Riverine	Taylor	Taylor
071000196	Taylor County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Taylor	12060102	Many	Many	Other	612	Riverine	Taylor	Taylor
071000197	Taylor County Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	07000041, 07000042	Taylor	12060102	Many	Many	Project Planning	612	Riverine	Taylor	Taylor
071000198	Terry County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Terry	12060102	Many	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	Other	25	Playa	Terry	Terry
071000199	Throckmorton County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Throckmorton	12060102	Many	Many	Other	912	Riverine	Throckmorton	Throckmorton
071000200	Town of Rochester Relocate Critical Facilities High Hazard	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	07000041, 07000042	Haskell	12050003	Many	City of Rochester	Project Planning	0.3	Riverine	Haskell	Haskell
071000201	Town of Rule Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	07000041, 07000042	Haskell	12060101	120601010703, 120601010705	City of Rochester	Project Planning	0.7	Riverine	Haskell	Haskell
071000202	Town of Throckmorton Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	07000041, 07000042	Throckmorton	12060101	120601010405	Lower North Elm Creek, Upper Elm Creek	Project Planning	1.7	Riverine	Throckmorton	Throckmorton

Potential Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
071000190	Stephens County Stream Restoration Program	No	\$ 500,000	\$ -	657	99	709	1	2	Unknown	64.2	28,369	BLE 2024	BLE 2024
071000191	Stephens Flood Protection Lift Station Program	No	\$ 100,000	\$ -	657	99	709	1	2	Unknown	64.2	28,369	BLE 2024	BLE 2024
071000192	Stonewall County DCM	No	\$ 100,000	\$ -	67	11	12	-	6	Unknown	49.3	6,457	BLE 2024	BLE 2024
071000193	Stonewall County Stream Restoration Program	No	\$ 500,000	\$ -	67	11	12	-	6	Unknown	49.3	6,457	BLE 2024	BLE 2024
071000194	Swisher County DCM	No	\$ 100,000	\$ -	5	3	10	-	-	Unknown	46.6	4,233	BLE 2024	BLE 2024
071000195	Taylor County Dam Inspection Program	No	\$ 100,000	\$ -	11,167	9,822	25,896	11	72	Unknown	244.6	7,516	BLE 2024	BLE 2024
071000196	Taylor County DCM	No	\$ 100,000	\$ -	11,167	9,822	25,896	11	72	Unknown	244.6	7,516	BLE 2024	BLE 2024
071000197	Taylor County Stream Restoration Program	No	\$ 500,000	\$ -	11,167	9,822	25,896	11	72	Unknown	244.6	7,516	BLE 2024	BLE 2024
071000198	Terry County DCM	No	\$ 100,000	\$ -	4	-	5	-	-	Unknown	27.4	3,373	BLE 2024	BLE 2024
071000199	Throckmorton County DCM	No	\$ 100,000	\$ -	98	20	67	-	6	Unknown	65.3	63,522	BLE 2024	BLE 2024
071000200	Town of Rochester Relocate Critical Facilities High Hazard	No	\$ 100,000	\$ -	27	20	26	-	-	Unknown	1.3	5	BLE 2024	BLE 2024
071000201	Town of Rule Stream Restoration Program	No	\$ 250,000	\$ -	33	25	47	-	-	Unknown	1.7	1	BLE 2024	BLE 2024
071000202	Town of Throckmorton Relocate Critical Facilities High Hazard	No	\$ 100,000	\$ -	26	11	27	-	-	Unknown	1.8	27	BLE 2024	BLE 2024

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000203	Town of Woodson Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	07000041, 07000042	Throckmorton	12060102, 12090108	120601020708, 120901080101	Upper Kings Creek	Project Planning	0.6	Riverine	Throckmorton	Throckmorton
071000204	Upper Brazos Dam Inventory Evaluation	Develop a baseline understanding of the risks associated with high and significant hazard and NRCS dams within the basin, including coordination with the Texas State Soil & Water Conservation Board dam maintenance plan.	07000031, 07000032	All	12060101	120601010401	Upper Brazos	Other	20028	Riverine, Playa	SPAG	SPAG
071000205	Upper Brazos Industry Flood Losses Inventory Evaluation	Reduce the vulnerability of agriculture, ranching, energy and forestry to flood-related losses by establishing a baseline measurement.	07000051, 07000052	All	12060104	120601040203	Upper Brazos	Other	20028	Riverine, Playa	SPAG	SPAG
071000206	Young County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Young	12060105	120601050105, 120601050106	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	Other	408	Riverine	Young	Young
071000207	City of Abilene Operations of Lake Abilene	Increase available flood storage in the reservoir	07000021, 07000022, 07000041, 07000042	Taylor	12060105	120601050105, 120601050106	Coon Hollow-Elm Creek	Project Planning	6.0	Riverine	City of Abilene	City of Abilene
071000208	City of Abilene Elm Creek Detention below Southwest Drive	Proposed detention pond	07000021, 07000022, 07000041, 07000042	Taylor	12060101	120601010401	Cat Claw Creek-Elm Creek	Project Planning	0.9	Riverine	City of Abilene	City of Abilene
071000209	Idalou Playa Lake Improvements	Establish native grass buffers around Playa Lakes to filter out soil and contaminants from flooding; replenish dry Playa Lakes to ensure protection of aquifers and mitigate declining water tables due to drought	07000021, 07000022, 07000041, 07000042	Lubbock	Many	Many	City of Idalou, City of Acuff	Project Planning	2.9	Riverine, Playa	City of Idalou	City of Idalou
071000210	City of Lubbock 34th St CIP	Balancing culverts, an elevated roadway and a drainage system parallel to the road between Upland and Milwaukee.	07000021, 07000022, 07000041, 07000042	Lubbock	12060102	120601020711	Many	Project Planning	0.03	Riverine, Playa	City of Lubbock	City of Lubbock
071000212	Lubbock County Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Lubbock	12060102	120601020705	Many	Project Planning	898	Riverine, Playa	Lubbock	Lubbock
071000213	City of Lubbock Clovis and Quaker	Clovis and Quaker Area of Interest	07000021, 07000022, 07000041, 07000042	Lubbock	12060102	120601020708	McCauley Well-Yellow House Draw	Project Planning	8.7	Riverine, Playa	City of Lubbock	City of Lubbock

FME ID	FME Name	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
071000203	Town of Woodson Stream Restoration Program	No	\$ 250,000	\$ -	10	3	25	-	-	Unknown	0.3	5	BLE 2024	BLE 2024
071000204	Upper Brazos Dam Inventory Evaluation	No	\$ 750,000	\$ -	28,532	19,838	60,299	44	292	Unknown	5944.1	869,138	BLE 2024	BLE 2024
071000205	Upper Brazos Industry Flood Losses Inventory Evaluation	No	\$ 100,000	\$ -	28,532	19,838	60,299	44	292	Unknown	5944.1	869,138	BLE 2024	BLE 2024
071000206	Young County DCM	No	\$ 100,000	\$ -	190	28	128	-	1	Unknown	53.1	25,847	BLE 2024	BLE 2024
071000207	City of Abilene Operations of Lake Abilene	No	\$ 200,000	\$ -	3	-	6	-	-	Unknown	0.3	11	BLE 2024	BLE 2024
071000208	City of Abilene Elm Creek Detention below Southwest Drive	No	\$ 700,000	\$ -	175	168	655	-	-	Unknown	3.1	207	BLE 2024	FIRM
071000209	Idalou Playa Lake Improvements	No	\$ 100,000	\$ -	12	2	11	-	-	Unknown	0.2	119	BLE 2024	BLE 2024
071000210	City of Lubbock 34th St CIP	No	\$ 100,000	\$ -	3	3	3	-	-	Unknown	0.3	-	BLE 2024	BLE 2024
071000212	Lubbock County Floodplain Open Space Program	No	\$ 1,000,000	\$ -	6,880	5,342	20,269	9	29	Unknown	357.5	50,570	BLE 2024	BLE 2024
071000213	City of Lubbock Clovis and Quaker	No	\$ 100,000	\$ -	100	54	322	-	-	Unknown	3.3	866	BLE 2024	BLE 2024

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071000214	City of Lubbock Higginbothum Park	Higginbothum Park Area of Interest	07000021, 07000022, 07000041, 07000042	Lubbock	12060102	120601020708	Many	Project Planning	0.4	Riverine	City of Lubbock	City of Lubbock
071000215	Mackenzie Park South - Santa Land Rd	Mackenzie Park South - Santa Land Rd Area of Interest	07000021, 07000022, 07000041, 07000042	Lubbock	12060102	120601020708	120500040206, City of Cotton Center, Upper Fish Creek	Project Planning	2001	Riverine, Playa	Lubbock County	Lubbock County
071000216	CRP Grass Flood Area	Grass Program causes road to flood	07000021, 07000022, 07000041, 07000042	Hockley	12060102	120601020711	Many	Project Planning	27	Playa	Hockley County	Hockley County
071300001	City of Abilene Elm Creek Diversion	Upstream detention / bypass on Elm Creek	07000021, 07000022, 07000041, 07000042	Taylor	12060102	120601020705, 120601020711	Lower Little Elm Creek, Cat Claw Creek-Elm Creek	Project Planning	0.3	Riverine	City of Abilene	City of Abilene
071300002	City of Abilene Catclaw Creek From S. 11th Street to S. 7th Street	Enhance storage capacity of creek channel, raise Sammons Street and regional detention improvements	07000021, 07000022, 07000041, 07000042	Taylor	12050003	120500030103	Cat Claw Creek-Elm Creek	Project Planning	0.1	Riverine	City of Abilene	City of Abilene
071300003	City of Abilene Little Elm Creek at S. 7th Street	Channel improvements, enlargement of culvert under South 7th and overflow detention	07000021, 07000022, 07000041, 07000042	Taylor	12050003	120500030303, 120500030304	Lower Little Elm Creek	Project Planning	0.1	Riverine	City of Abilene	City of Abilene
071300004	City of Abilene Buttonwillow Creek Crossing	Replacement of low water crossing	07000021, 07000022	Taylor	Many	#####	Upper Cedar Creek	Project Planning	0.02	Riverine	City of Abilene	City of Abilene
071300005	City of Abilene Treadway and S. 27th Street	Construction of new storms drains and valley gutters	07000021, 07000022, 07000041, 07000042	Taylor	12050004	Many	Upper Cedar Creek	Project Planning	0.02	Riverine	City of Abilene	City of Abilene
071300007	City of Abilene Buttonwillow Upstream Detention	Regional detention pond	07000021, 07000022, 07000041, 07000042	Taylor	12050003	120500011305	Upper Cedar Creek	Project Planning	0.1	Riverine	City of Abilene	City of Abilene
071300008	City of Abilene Improve Curry Lane Detention Pond	Installation of drainage flumes and curb and gutter along Curry Lane, construction of bypass pipe from Catclaw Creek, deepening of existing detention pond and extension of storm drain in Curry Lane	07000021, 07000022, 07000041, 07000042	Taylor	12050003	120500030103	Cat Claw Creek-Elm Creek	Project Planning	0.7	Riverine	City of Abilene	City of Abilene

FME ID	FME Name	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
071000214	City of Lubbock Higginbothum Park	No	\$ 100,000	\$ -	-	-	-	-	-	Unknown	0.0	-	BLE 2024	FIRM
071000215	Mackenzie Park South - Santa Land Rd	No	\$ 100,000	\$ -	1,700	693	3,067	6	67	Unknown	1255.7	122,195	BLE 2024	BLE 2024
071000216	CRP Grass Flood Area	No	\$ 100,000	\$ -	12	8	24	-	-	Unknown	15.3	927	BLE 2024	BLE 2024
071300001	City of Abilene Elm Creek Diversion	No	\$ 800,000	\$ -	1	1	-	-	-	Unknown	1.0	5	Yes	FIRM
071300002	City of Abilene Catclaw Creek From S. 11th Street to S. 7th Street	No	\$ 100,000	\$ -	194	175	321	1	4	Unknown	2.9	-	Yes	FIRM
071300003	City of Abilene Little Elm Creek at S. 7th Street	No	\$ 550,000	\$ -	15	9	74	-	1	Unknown	0.9	-	Yes	FIRM
071300004	City of Abilene Buttonwillow Creek Crossing	No	\$ 150,000	\$ -	26	26	55	-	1	Unknown	0.5	-	Yes	FIRM
071300005	City of Abilene Treadway and S. 27th Street	No	\$ 100,000	\$ -	-	-	-	-	-	Unknown	0.0	-	Yes	FIRM
071300007	City of Abilene Buttonwillow Upstream Detention	No	\$ 350,000	\$ -	-	-	-	-	2	Unknown	0.4	-	Yes	FIRM
071300008	City of Abilene Improve Curry Lane Detention Pond	No	\$ 500,000	\$ -	67	41	868	-	-	Unknown	2.0	142	Yes	FIRM



FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight
071300010	City of Lubbock 4th St & Elkhart CIP	Construct box culverts. Provide excavation to offset increased discharge. Construct earthen dam in West Wind channel to maintain playa overflow elevation.	07000021, 07000022, 07000041, 07000042	Lubbock	12060103	120601030102	Many	Project Planning	0.01	Riverine	City of Lubbock	City of Lubbock
071300012	Hamlin Dam Improvements	Harden earthen dam at Hamlin South Lake per request of TCEQ.	07000021, 07000022, 07000041, 07000042	Jones	12060103	120601030102	Dry California Creek	Project Planning	1.7	Riverine	Jones	Jones
071300013	Hamlin South Lake Dam Diversion	Divert water to prevent breaching of Hamlin South Lake Dam.	07000021, 07000022, 07000041, 07000042	Jones	Many	Many	Dry California Creek	Project Planning	1.7	Riverine	Jones	Jones

FME ID	FME Name	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)
071300010	City of Lubbock 4th St & Elkhart CIP	No	\$ 100,000	\$ -	1	-	6	-	-	Unknown	0.0	-	Yes	FIRM
071300012	Hamlin Dam Improvements	No	\$ 100,000	\$ -	-	-	-	-	-	Unknown	0.5	2	Yes	FIRM
071300013	Hamlin South Lake Dam Diversion	No	\$ 50,000	\$ -	-	-	-	-	-	Unknown	0.5	2	Yes	FIRM

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC12s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Flood Risk									
															Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)
073000006	City of Abilene Downtown Railroad Underpasses Flood Warning	Installation of sensors at three railroad underpass to monitor water levels	07000063	Taylor	120601020708, 120601020710	Upper Cedar Creek, Lower Cedar Creek	Preparedness	0.12	Urban	City of Abilene	City of Abilene	No	\$ 636,000	Stormwater Utility Fee, \$546,489	0.00	0.00	0	0	0	0	3	37	0.00	0
073000011	City of Lubbock Stormwater Master Plan: Santa Fe Drive Improvements	Playa excavation and open channel construction for playa overflow and culvert improvements.	07000041	Lubbock	1220500030102	City of Lubbock	Channel	0.21	Riverine	City of Lubbock	City of Lubbock	No	\$4,500,000	Stormwater Utility Fee, \$4,500,000	0.14	0.14	83	83	323	0	0	0	1.36	0
073000014	Bovina Buyout Program	Buy out 5 properties, pending owners' voluntary agreement, along East Street, that are directly across from the playa lake and to make the area into open green space	07000041, 07000042	Parmer	120500050108	Cattfish Draw	Property Acquisition	0.10	Playa	City of Bovina	Parmer	No	\$ 550,000	None	0.02	0.02	5	5	5	0	0	0	0.03	0

FMP ID	FMP Name	Reduction in Flood Risk												Pre-Project LOS	Post-Project LOS	Cost/ Structure removed	% Nature-based Solution (by cost)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	SVI	Water Supply Benefit (Y/N)	Traffic Count for LWC	BCR	
		Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of LWC removed from 100yr (1% annual chance) Flood risk (#)	Estimated reduction in road closure occurrence	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)											
073000006	City of Abilene Downtown Railroad Underpasses Flood Warning	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not Available	Not Available	5-YR	5-YR	0	0%	No	N/A	0.55	No	-	0
073000011	City of Lubbock Stormwater Master Plan: Santa Fe Drive Improvements	60	35	0	24	84	0	0	0	0	0	0	Not Available	Not Available	2-YR	100-YR	391000	0%	No	N/A	0.50	No	-	0.7
073000014	Bovina Buyout Program	5	5	5	5	5	0	0	0	0	0	0	Not Available	Not Available	Unknown	100-YR	110000	0%	No	N/A	0.69	No	-	1.9

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Area	
															Area in 100yr	Area in 500yr
072000001	Bailey County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Bailey	12050001, 12050002	Many	Regulatory and Guidance	826.0	Playa	Bailey	Bailey	No	\$ 50,000	0	181.4	104.6
072000002	Borden County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Borden	Many	Many	Regulatory and Guidance	903.0	Riverine, Playa	Borden	Borden	No	\$ 50,000	0	11.2	2.9
072000003	Callahan County NFIP Coordination Program	County NFIP Compliance program to coordinate and assist local jurisdictions with reviewing the NFIP components to ensure continued compliance.	07000081, 07000082	Callahan	Many	Many	Regulatory and Guidance	897.2	Riverine	Callahan	Callahan	No	\$ 25,000	0	72.7	7.6
072000004	City of Abilene Creek Gauge Program	Develop program to install automated creek rain gauges and automated barriers for flooded road ways.	07000021, 07000022	Taylor	12060102	Many	Flood Measurement and Warning	111.7	Riverine	City of Abilene	City of Abilene	No	\$ 175,000	0	33.5	5.0
072000005	City of Abilene Turn Around, Don't Drown	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	07000063	Taylor	12060102	Many	Education and Outreach	111.7	Riverine	City of Abilene	City of Abilene	No	\$ 50,000	0	33.5	5.0
072000006	City of Amherst NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Lamb	12050001	120500011103, 120500011104	Regulatory and Guidance	0.9	Playa	City of Amherst	City of Amherst	No	\$ 50,000	0	0.1	0.1
072000007	City of Anson NFIP Cross Train Program	Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program.	07000081, 07000082	Jones	12060103	120601030301	Regulatory and Guidance	2.8	Riverine	City of Anson	City of Anson	No	\$ 25,000	0	0.4	0.0
072000008	City of Benjamin NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Knox	12060101	120601010403	Regulatory and Guidance	1.0	Riverine	City of Benjamin	City of Benjamin	No	\$ 50,000	0	0.2	0.0
072000009	City of Bovina NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Parmer	12050005	120500050108, 120500050109	Regulatory and Guidance	1.2	Playa	City of Bovina	City of Bovina	No	\$ 50,000	0	0.0	0.0
072000010	City of Clyde Stream Restoration Program	Develop program to implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	07000041, 07000042	Callahan	12060102, 12090107	120601020801, 120901070101	Infrastructure Projects	3.3		City of Clyde	City of Clyde	No	\$ 250,000	0	0.0	0.0
072000011	City of Dickens NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Dickens	12050007	120500070603	Regulatory and Guidance	1.0	Riverine	City of Dickens	City of Dickens	No	\$ 50,000	0	0.2	0.0
072000012	City of Edmonson NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Hale	12050005	120500050404	Regulatory and Guidance	0.4	Riverine, Playa	City of Edmonson	City of Edmonson	No	\$ 50,000	0	0.0	0.1
072000013	City of Goree NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Knox	12060101	120601010304	Regulatory and Guidance	1.4	Riverine	City of Goree	City of Goree	No	\$ 50,000	0	0.3	0.1
072000014	City of Hale Center NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Hale	12050006	120500060103	Regulatory and Guidance	1.4	Riverine, Playa	City of Hale Center	City of Hale Center	No	\$ 50,000	0	0.0	0.4
072000015	City of Jayton NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Kent	12050007	120500070501, 120500070502, 120500070607	Regulatory and Guidance	1.7	Riverine	City of Jayton	City of Jayton	No	\$ 50,000	0	0.2	0.1
072000016	City of Levelland Turn Around, Don't Drown	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	07000063	Hockley	12050001, 12050004	Many	Education and Outreach	10.2	Playa	City of Levelland	City of Levelland	No	\$ 50,000	0	3.7	3.0

FMS ID	FMS Name	Flood Risk								Reduction in Flood Risk											Cost/ Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	
		Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr Flood risk	Number of structures removed from 100yr Flood risk	Number of structures removed from 500yr Flood risk	Residential structures removed from 100yr Flood risk	Estimated Population removed from 100yr Flood risk	Critical facilities removed from 100yr Flood risk (#)	Number of LWC removed from 100yr Flood risk (#)	Estimated reduction in road closure occurrence	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)
072000001	Bailey County NFIP Participation	475	46	759	1	13	499	0.0	32567	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000002	Borden County NFIP Participation	10	0	1	0	0	5	0.0	1592	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000003	Callahan County NFIP Coordination Program	81	21	86	0	12	56	0.0	3074	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000004	City of Abilene Creek Gauge Program	10861	9399	25333	10	58	218	0.0	1235	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000005	City of Abilene Turn Around, Don't Drown	10861	9399	25333	10	58	218	0.0	1235	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000006	City of Amherst NFIP Participation	13	10	6	0	0	3	0.0	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000007	City of Anson NFIP Cross Train Program	53	26	349	0	0	3	0.0	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000008	City of Benjamin NFIP Participation	16	9	10	0	0	1	0.0	23	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000009	City of Bovina NFIP Participation	3	0	1	0	0	0	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000010	City of Clyde Stream Restoration Program	0	0	0	0	0	0	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000011	City of Dickens NFIP Participation	42	0	19	1	0	2	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000012	City of Edmonson NFIP Participation	0	0	0	0	0	0	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000013	City of Goree NFIP Participation	0	0	0	0	0	1	0.0	20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000014	City of Hale Center NFIP Participation	0	0	0	0	0	0	0.0	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000015	City of Jayton NFIP Participation	1	0	1	0	0	0	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000016	City of Levelland Turn Around, Don't Drown	1277	1018	4738	5	0	46	0.0	718	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No



FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Area in 100yr	Area in 500yr
072000017	City of Lubbock Turn Around, Don't Drown	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	07000063	Lubbock	Many	Many	Education and Outreach	135.5	Riverine, Urban, Playa	City of Lubbock	City of Lubbock	No	\$ 50,000	0	18.8	8.6
072000018	City of Lueders NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Jones, Shackelford	12060102	120601020902, 120601020904	Regulatory and Guidance	0.6		City of Lueders	City of Lueders	No	\$ 50,000	0	0.0	0.0
072000019	City of Moran NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Shackelford	12060105	120601050105, 120601050106	Regulatory and Guidance	0.4	Riverine	City of Moran	City of Moran	No	\$ 50,000	0	0.1	0.0
072000020	City of Munday NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Knox	12060101	120601010405	Regulatory and Guidance	1.4	Riverine	City of Munday	City of Munday	No	\$ 50,000	0	1.2	0.2
072000021	City of Petersburg NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Hale	12050006	120500060301, 120500060302	Regulatory and Guidance	0.8	Playa	City of Petersburg	City of Petersburg	No	\$ 50,000	0	0.0	0.3
072000022	City of Plainview Turn Around, Don't Drown	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	07000063	Hale	12050005	120500050501, 120500050505, 120500050506	Education and Outreach	13.9	Riverine, Playa	City of Plainview	City of Plainview	No	\$ 50,000	0	3.2	2.3
072000023	City of Putnam NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Callahan	12060105	120601050101, 120601050104	Regulatory and Guidance	1.0	Riverine	City of Putnam	City of Putnam	No	\$ 50,000	0	0.1	0.0
072000024	City of Ralls NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Crosby	12050006	120500060404, 120500060502	Regulatory and Guidance	1.3	Playa	City of Ralls	City of Ralls	No	\$ 50,000	0	0.1	0.1
072000025	City of Roby NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Fisher	12060102	120601020106, 120601020206	Regulatory and Guidance	0.7	Riverine	City of Roby	City of Roby	No	\$ 50,000	0	0.0	0.0
072000026	City of Ropesville NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Hockley	12050004	120500040103	Regulatory and Guidance	0.4	Playa	City of Ropesville	City of Ropesville	No	\$ 50,000	0	0.0	0.0
072000027	City of Sweetwater Turn Around, Don't Drown	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	07000063	Nolan	12060102	120601020302, 120601020303, 120601020304	Education and Outreach	11.0	Riverine	City of Sweetwater	City of Sweetwater	No	\$ 50,000	0	0.4	0.1
072000028	City of Weinert NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Haskell	12060101	120601010302	Regulatory and Guidance	0.5	Riverine	City of Weinert	City of Weinert	No	\$ 50,000	0	0.1	0.0
072000029	Crosby County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Crosby	Many	Many	Regulatory and Guidance	899.0	Riverine, Playa	Crosby	Crosby	No	\$ 50,000	0	165.6	73.1
072000030	Dawson County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Dawson	12050004	Many	Regulatory and Guidance	898.8	Playa	Dawson	Dawson	No	\$ 50,000	0	0.4	0.2
072000031	Fisher County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Fisher	Many	Many	Regulatory and Guidance	899.8	Riverine	Fisher	Fisher	No	\$ 50,000	0	125.5	25.6
072000032	Floyd County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Floyd	Many	Many	Regulatory and Guidance	990.8	Riverine, Playa	Floyd	Floyd	No	\$ 50,000	0	71.2	48.1
072000033	Garza County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Garza	Many	Many	Regulatory and Guidance	893.4	Riverine, Playa	Garza	Garza	No	\$ 50,000	0	188.5	48.5
072000034	Haskell County NFIP Cross Train Program	Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program.	07000081, 07000082	Haskell	Many	Many	Regulatory and Guidance	907.4	Riverine	Haskell	Haskell	No	\$ 25,000	0	234.0	41.2
072000035	Jones County Tax Incentive Program	Consider program of tax incentives for development of low-hazard land parcels.	07000085	Jones	Many	Many	Other	932.9	Riverine	Jones	Jones	No	\$ 25,000	0	180.2	32.9

FMS ID	FMS Name	Flood Risk								Reduction in Flood Risk												Cost/ Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	
		Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr Flood risk	Number of structures removed from 100yr Flood risk	Number of structures removed from 500yr Flood risk	Residential structures removed from 100yr Flood risk	Estimated Population removed from 100yr Flood risk	Critical facilities removed from 100yr Flood risk (#)	Number of LWC removed from 100yr Flood risk (#)	Estimated reduction in road closure occurrence	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)						
072000017	City of Lubbock Turn Around, Don't Drown	4959	3894	17998	9	28	170	0.0	4139	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000018	City of Lueders NFIP Participation	0	0	0	0	0	0	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000019	City of Moran NFIP Participation	18	11	16	0	0	1	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000020	City of Munday NFIP Participation	690	417	1065	4	0	20	0.0	183	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000021	City of Petersburg NFIP Participation	0	0	0	0	0	0	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000022	City of Plainview Turn Around, Don't Drown	980	660	2836	0	2	31	0.0	726	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000023	City of Putnam NFIP Participation	4	1	7	0	0	1	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000024	City of Ralls NFIP Participation	15	7	93	0	0	4	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000025	City of Roby NFIP Participation	0	0	0	0	0	0	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000026	City of Ropesville NFIP Participation	12	9	13	0	0	0	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000027	City of Sweetwater Turn Around, Don't Drown	8	5	4	0	4	2	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000028	City of Weinert NFIP Participation	11	5	15	0	0	0	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000029	Crosby County NFIP Participation	279	62	325	2	6	350	0.0	45936	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000030	Dawson County NFIP Participation	0	0	0	0	0	3	0.0	158	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000031	Fisher County NFIP Participation	120	24	89	0	0	89	0.0	23747	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000032	Floyd County NFIP Participation	116	14	99	0	4	255	0.0	28587	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000033	Garza County NFIP Participation	158	34	315	0	11	98	0.0	10113	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000034	Haskell County NFIP Cross Train Program	788	294	708	1	15	226	0.0	59648	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000035	Jones County Tax Incentive Program	1145	499	1118	2	8	189	0.0	47149	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Area	
															Area in 100yr	Area in 500yr
072000036	Kent County NFIP Cross Train Program	Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program.	07000081, 07000082	Kent	Many	Many	Regulatory and Guidance	888.1	Riverine	Kent	Kent	No	\$ 25,000	0	179.7	27.1
072000037	King County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	King	12050007, 12060101	Many	Regulatory and Guidance	911.2	Riverine	King	King	No	\$ 50,000	0	51.2	6.2
072000038	Knox County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Knox	Many	Many	Regulatory and Guidance	853.3	Riverine	Knox	Knox	No	\$ 50,000	0	125.2	25.2
072000039	Scurry County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Scurry	Many	Many	Regulatory and Guidance	906.5	Riverine	Scurry	Scurry	No	\$ 50,000	0	54.7	4.3
072000040	Town of Aspermont NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Stonewall	12050004, 12050007	120500040905, 120500070706, 120500070707	Regulatory and Guidance	2.1	Riverine	Town of Aspermont	Town of Aspermont	No	\$ 50,000	0	0.1	0.0
072000041	Town of Impact NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Taylor	12060102	120601020711	Regulatory and Guidance	0.1	Riverine	Town of Impact	Town of Impact	No	\$ 50,000	0	0.1	0.0
072000042	Town of Lockney NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Floyd	11130103, 12050006	111301030203, 120500060306	Regulatory and Guidance	1.5	Playa	Town of Lockney	Town of Lockney	No	\$ 50,000	0	0.1	0.1
072000043	Town of Rochester NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Haskell	12060101	120601010401	Regulatory and Guidance	0.3	Riverine	Town of Rochester	Town of Rochester	No	\$ 75,000	0	0.1	0.1
072000044	Town of Smyer NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Hockley	12050003	120500030101, 120500030103	Regulatory and Guidance	0.8	Playa	Town of Smyer	Town of Smyer	No	\$ 50,000	0	0.1	0.0
072000045	Upper Brazos Building Codes Outreach Program	Outreach Program: Encourage communities to adopt current building codes, adopt new construction codes for setting the minimum floor elevation	07000063	All	Many	Many	Education and Outreach	20028.3	Riverine, Urban, Playa	SPAG	SPAG	No	\$ 100,000	0	3634.4	1394.0
072000046	Upper Brazos Public Awareness Outreach Program	Encourage annual public outreach and education activities to improve awareness of flood hazards, flood planning, and projects associated with emergency response associated with flooding.	07000063	All	Many	Many	Education and Outreach	20028.3	Riverine, Urban, Playa	SPAG	SPAG	No	\$ 100,000	0	3634.4	1394.0
072000047	Upper Brazos Industry Flood Losses Outreach Program	Encourage best practices to reduce the vulnerability of agriculture, ranching, energy and forestry to flood-related losses through community outreach.	07000051, 07000052	All	Many	Many	Education and Outreach	20028.3	Riverine, Urban, Playa	SPAG	SPAG	No	\$ 100,000	0	3634.4	1394.0
072000048	Upper Brazos Stormwater Maintenance Outreach Program	Outreach Program: Encourage maintenance programs on storm water infrastructure, Dams, ditches, and channels.	07000063	All	Many	Many	Education and Outreach	20028.3	Riverine, Urban, Playa	SPAG	SPAG	No	\$ 100,000	0	3634.4	1394.0
072000049	Upper Brazos Warning System Outreach Program	Basin wide Study Program: Reach out to proper authorities with jurisdiction to improve on Warning signs, lights, or systems.	07000063	All	Many	Many	Education and Outreach	20028.3	Riverine, Urban, Playa	SPAG	SPAG	No	\$ 100,000	0	3634.4	1394.0
072000050	John T. Montford Dam Rehab	Enhance lake capacity and harden dam structure. Placeholder for anticipated construction cost. Detailed costs following FME.	07000032	Garza	12050004	120500040507	Infrastructure Projects	24.7	Riverine	Garza, Lubbock	Garza, Lubbock	No	\$ 4,950,000	0	4.3	0.9
072000051	Fisher County Flood Protection Dam	Flood protection dams north of Rotan.	07000032	Fisher	12060102	120601020205	Infrastructure Projects	36.0	Riverine	Fisher	Fisher	No	\$ 75,000	0	5.8	0.9

FMS ID	FMS Name	Flood Risk								Reduction in Flood Risk											Cost/ Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)		
		Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr Flood risk	Number of structures removed from 100yr Flood risk	Number of structures removed from 500yr Flood risk	Residential structures removed from 100yr Flood risk	Estimated Population removed from 100yr Flood risk	Critical facilities removed from 100yr Flood risk (#)	Number of LWC removed from 100yr Flood risk (#)	Estimated reduction in road closure occurrence	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)	
072000036	Kent County NFIP Cross Train Program	38	3	3	1	4	41	0.0	3244	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000037	King County NFIP Participation	3	0	1	0	1	7	0.0	409	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000038	Knox County NFIP Participation	968	526	1310	4	2	130	0.0	33293	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000039	Scurry County NFIP Participation	13	2	23	0	6	18	0.0	6805	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000040	Town of Aspermont NFIP Participation	0	0	0	0	0	1	0.0	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000041	Town of Impact NFIP Participation	18	16	24	0	0	1	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000042	Town of Lockney NFIP Participation	7	2	7	0	0	3	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000043	Town of Rochester NFIP Participation	27	20	26	0	0	1	0.0	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000044	Town of Smyer NFIP Participation	6	3	11	0	0	1	0.0	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000045	Upper Brazos Building Codes Outreach Program	28532	19838	60299	44	292	5944	0.0	869138	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000046	Upper Brazos Public Awareness Outreach Program	28532	19838	60299	44	292	5944	0.0	869138	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000047	Upper Brazos Industry Flood Losses Outreach Program	28532	19838	60299	44	292	5944	0.0	869138	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000048	Upper Brazos Stormwater Maintenance Outreach Program	28532	19838	60299	44	292	5944	0.0	869138	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000049	Upper Brazos Warning System Outreach Program	28532	19838	60299	44	292	5944	0.0	869138	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000050	John T. Montford Dam Rehab	2	0	0	0	0	0	0.0	140	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000051	Fisher County Flood Protection Dam	40	15	39	0	0	13	0.0	2686	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Area	
															Area in 100yr	Area in 500yr
072000052	South Lake Improvements Dam Hardening	Dam hardening.	07000032	Jones	12060103	120601030102	Infrastructure Projects	40.6	Riverine	Jones	Jones	No	\$ 50,000	0	9.2	2.3
072000053	South Lake Improvements Water Diversion	Water diversion.	07000021, 07000022, 07000041, 07000042	Jones	12060103	120601030102	Infrastructure Projects	0.1	Riverine	Jones	Jones	No	\$ 50,000	0	0.1	0.0
072000054	Lake Benjamin Improvements	Reinforcement of slopes and dam spillway.	07000032	Knox	12060101	120601010403	Infrastructure Projects	46.9	Riverine	Knox	Knox	No	\$ 500,000	0	9.7	0.9
072000055	Lake Stamford Improvements	Expand spillway.	07000032	Haskell	12060103	120601030208	Infrastructure Projects	45.9	Riverine	Haskell	Haskell	No	\$ 400,000	0	14.2	2.4
072000056	McMillan Dam Warning System	Develop program to enhance and expand existing limited alert system equipment currently in place at McMillan Dam	07000032	Lubbock	12050003	120500030104	Flood Measurement and Warning	0.0	Riverine	Village of Buffalo Springs, Town of Ransom Canyon	Village of Buffalo Springs, Town of Ransom Canyon	No	\$ 50,000	0	0.0	0.0
072000057	Ransom Canyon Evacuation Route	Develop program as part of the Village's Emergency Operations Plan, to construct an alternate evacuation routes for residents affected by McMillan Dam failure	07000032	Lubbock	12050003	120500030104	Infrastructure Projects	1.0	Riverine, Playa	Town of Ransom Canyon	Town of Ransom Canyon	No	\$ 500,000	0	0.3	0.0
072000058	City of Lubbock Traffic Signal Mitigation	Develop program to replace regulatory and warning traffic signs, install breakaway poles within the City limits, and install pavement markings at intersections and school zones to mitigate flood velocity damage during flooding events.	07000021, 07000022	Lubbock	Many	Many	Infrastructure Projects	123.5	Riverine, Urban, Playa	City of Lubbock	City of Lubbock	No	\$ 300,000	0	17.3	8.0
072000059	McMillian Dam High Risk Repairs	Develop program to make repairs to McMillan Dam as identified as high risk by TCEQ to prevent failure.	07000032	Lubbock	12050003	120500030104	Infrastructure Projects	0.1	Riverine, Playa	Lubbock	Lubbock	No	\$ 58,000	0	0.1	0.0
072000060	Taylor County Gauge/Flood Barrier Program	Develop program to install automated creek rain gauges and automated barriers for flooded roadways.	07000021, 07000022	Taylor	Many	Many	Flood Measurement and Warning	915.6	Riverine	Taylor	Taylor	No	\$ 150,000	0	74.0	14.7
072000061	Nolan County Warning System	Develop program to install county-wide outdoor warning sirens for any emergency of natural and/or man-made hazardous events. The warning sirens would be strategically placed in the following locations within the County: Cities of Sweetwater, Roscoe, Blackwell, Nolan, Maryn	07000021, 07000022, 07000063	Nolan	Many	Many	Flood Measurement and Warning	910.7	Riverine	Nolan	Nolan	No	\$ 375,000	0	35.4	7.2
072000062	Buffalo Springs Lake Warning System	Develop program to install Flood Warning signals - Sponsor Wish List.	07000021	Lubbock	12050003	120500030104	Flood Measurement and Warning	47.5	Riverine, Playa	0	0	No	\$ 50,000	0	4.7	6.8
072000063	Dredging Canyon Lakes	Develop program to dredge Canyon Lakes	07000052	Lubbock	12050003	120500030102, 120500020508, 120500011305, 120500030103	Infrastructure Projects	6.3	Riverine, Urban, Playa	City of Lubbock	City of Lubbock	No	\$ 2,750,000	0	1.2	0.1



FMS ID	FMS Name	Flood Risk								Reduction in Flood Risk											Cost/ Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	
		Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr Flood risk	Number of structures removed from 100yr Flood risk	Number of structures removed from 500yr Flood risk	Residential structures removed from 100yr Flood risk	Estimated Population removed from 100yr Flood risk	Critical facilities removed from 100yr Flood risk (#)	Number of LWC removed from 100yr Flood risk (#)	Estimated reduction in road closure occurrence	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)
072000052	South Lake Improvements Dam Hardening	11	3	4	0	0	8	0.0	1525	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000053	South Lake Improvements Water Diversion	0	0	0	0	0	0	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000054	Lake Benjamin Improvements	16	9	10	0	0	10	0.0	1282	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000055	Lake Stamford Improvements	181	35	146	0	0	5	0.0	1009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000056	McMillan Dam Warning System	0	0	0	0	0	0	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000057	Ransom Canyon Evacuation Route	53	50	131	0	1	1	0.0	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000058	City of Lubbock Traffic Signal Mitigation	4916	3878	17975	9	28	169	0.0	3514	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000059	McMillian Dam High Risk Repairs	3	3	5	0	0	0	0.0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000060	Taylor County Gauge/Flood Barrier Program	11167	9822	25896	11	72	245	0.0	7516	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000061	Nolan County Warning System	264	172	412	1	21	41	0.0	9929	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000062	Buffalo Springs Lake Warning System	228	191	285	0	1	8	0.0	1195	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No
072000063	Dredging Canyon Lakes	75	11	70	0	16	9	0.0	59	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	N/A	No



FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000001	Bailey County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Bailey	Many	Many	Yellow House Draw, Blackwater Draw	826	Playa	Bailey	Bailey	No	\$ 711,000	Y	Alignment with Region Goals
071000002	Baylor County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Baylor	Many	Many	Many	392	Riverine	Baylor	Baylor	No	\$ 888,000	Y	Alignment with Region Goals
071000003	Borden County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Borden	Many	Many	Many	55	Riverine, Playa	Borden	Borden	No	\$ 882,000	Y	Alignment with Region Goals
071000004	Callahan County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Callahan	Many	Many	Many	433	Riverine	Callahan	Callahan	No	\$ 895,000	Y	Alignment with Region Goals
071000005	Cochran County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Cochran	Many	Many	Town of Whiteface, Town of Famuliner, Town of Neely Ward	325	Playa	Cochran	Cochran	No	\$ 671,000	Y	Alignment with Region Goals
071000006	Crosby County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Crosby	Many	Many	Olton Cemetery, Town of Olton, 120500060202	896	Riverine, Playa	Crosby	Crosby	No	\$ 834,000	Y	Alignment with Region Goals
071000007	Dickens County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Dickens	Many	Many	Many	573	Riverine, Playa	Dickens	Dickens	No	\$ 919,000	Y	Alignment with Region Goals
071000008	Fisher County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Fisher	Many	Many	Many	900	Riverine	Fisher	Fisher	No	\$ 859,000	Y	Alignment with Region Goals
071000009	Garza County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Garza	Many	Many	Many	885	Riverine, Playa	Garza	Garza	No	\$ 882,000	Y	Alignment with Region Goals
071000010	Kent County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Kent	Many	Many	Many	888	Riverine	Kent	Kent	No	\$ 965,000	Y	Alignment with Region Goals
071000011	King County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	King	Many	Many	Many	336	Riverine	King	King	No	\$ 954,000	Y	Alignment with Region Goals
071000012	Knox County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Knox	Many	Many	Upper Battle Creek, Middle Battle Creek, Pecan Creek	432	Riverine	Knox	Knox	No	\$ 871,000	Y	Alignment with Region Goals
071000013	Lamb County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Lamb	Many	Many	Many	1016	Playa	Lamb	Lamb	No	\$ 890,000	Y	Alignment with Region Goals
071000014	Lynn County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Lynn	Many	Many	Many	673	Playa	Lynn	Lynn	No	\$ 778,000	Y	Alignment with Region Goals
071000015	Parmer County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Parmer	Many	Many	Many	553	Playa	Parmer	Parmer	No	\$ 787,000	Y	Alignment with Region Goals

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000016	Stonewall County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	07000011, 07000012	Stonewall	Many	Many	Town of Whiteface, Town of Famuliner, Town of Neely Ward	925	Riverine	Stonewall	Stonewall	No	\$ 893,000	Y	Alignment with Region Goals
071000017	Castro County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Castro	Many	Many	Many	451	Playa	Castro	Castro	No	\$ 870,000	Y	Alignment with Region Goals
071000018	City of Abilene Update FEMA Mapping	Update City of Abilene models to modern software, update FEMA maps	07000011, 07000012	Taylor	Many	Many	Many	112	Riverine	City of Abilene	City of Abilene	No	\$ 321,000	Y	Alignment with Region Goals
071000019	Eastland County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Eastland	Many	Many	Many	125	Riverine	Eastland	Eastland	No	\$ 327,000	Y	Alignment with Region Goals
071000020	Floyd County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Floyd	Many	Many	Many	407	Riverine, Playa	Floyd	Floyd	No	\$ 1,116,000	Y	Alignment with Region Goals
071000021	Haskell County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Haskell	Many	Many	Many	907	Riverine	Haskell	Haskell	No	\$ 1,024,000	Y	Alignment with Region Goals
071000022	Hockley County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Hockley	Many	Many	Many	811	Playa	Hockley	Hockley	No	\$ 987,000	Y	Alignment with Region Goals
071000023	Mitchell County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Mitchell	Many	Many	Many	8	Playa	Mitchell	Mitchell	No	\$ 926,000	Y	Alignment with Region Goals
071000024	Nolan County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Nolan	Many	Many	Many	461	Riverine	Nolan	Nolan	No	\$ 920,000	Y	Alignment with Region Goals
071000025	Scurry County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Scurry	Many	Many	Many	393	Riverine	Scurry	Scurry	No	\$ 897,000	Y	Alignment with Region Goals
071000026	Shackelford County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Shackelford	Many	Many	Many	912	Riverine	Shackelford	Shackelford	No	\$ 932,000	Y	Alignment with Region Goals
071000027	Stephens County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Stephens	Many	Many	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	561	Riverine	Stephens	Stephens	No	\$ 920,000	Y	Alignment with Region Goals
071000028	Swisher County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Swisher	Many	Many	Many	74	Playa	Swisher	Swisher	No	\$ 920,000	Y	Alignment with Region Goals
071000029	Terry County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Terry	Many	Many	Many	25	Playa	Terry	Terry	No	\$ 1,010,000	Y	Alignment with Region Goals
071000030	Throckmorton County Update FEMA Mapping	Update existing FEMA mapping	07000011, 07000012	Throckmorton	Many	Many	Many	912	Riverine	Throckmorton	Throckmorton	No	\$ 1,010,000	Y	Alignment with Region Goals

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000031	Baylor County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Baylor	Many	Many	Many	392	Riverine	Baylor	Baylor	No	\$ 500,000	Y	Alignment with Region Goals
071000032	Callahan County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Callahan	Many	Many	Many	433	Riverine	Callahan	Callahan	No	\$ 500,000	Y	Alignment with Region Goals
071000033	Castro County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Castro	Many	Many	Many	451	Playa	Castro	Castro	No	\$ 500,000	Y	Alignment with Region Goals
071000034	City of Albany DMP	Evaluate city storm infrastructure and floodways for adequate capacity.	07000011, 07000012	Shackelford	Many	Many	Many	1.6	Riverine	City of Albany	City of Albany	No	\$ 250,000	Y	Alignment with Region Goals
071000035	City of Amherst DMP	Evaluate City of Amherst for a Storm Water Master Plan.	07000011, 07000012	Lamb	Many	Many	120500011104, City of Amherst	0.9	Playa	City of Amherst	City of Amherst	No	\$ 250,000	Y	Alignment with Region Goals
071000036	City of Anson DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Jones	Many	Many	Upper Redmud Creek	2.8	Riverine	City of Anson	City of Anson	No	\$ 250,000	Y	Alignment with Region Goals
071000037	City of Clyde DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Callahan	Many	Many	Upper Deadman Creek	0.5	Riverine	City of Clyde	City of Clyde	No	\$ 250,000	Y	Alignment with Region Goals
071000038	City of Earth DMP	Evaluate City of Earth for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lamb	Many	Many	Town of Earth-Blackwater Draw	1.2	Playa	City of Earth	City of Earth	No	\$ 250,000	Y	Alignment with Region Goals
071000039	City of Hamlin DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Jones	Many	Many	Moore Lake-California Creek	5.3	Riverine	City of Hamlin	City of Hamlin	No	\$ 250,000	Y	Alignment with Region Goals
071000040	City of Littlefield DMP	Evaluate City of Littlefield for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lamb	Many	Many	Many	6.3	Playa	City of Littlefield	City of Littlefield	No	\$ 250,000	Y	Alignment with Region Goals
071000041	City of Olton DMP	Evaluate City of Olton for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lamb	Many	Many	Olton Cemetery, Town of Olton	1.4	Playa	City of Olton	City of Olton	No	\$ 250,000	Y	Alignment with Region Goals
071000042	City of Moran DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Shackelford	Many	Many	Post Oak Creek, Cordwood Creek-Deep Creek	0.4	Riverine	City of Moran	City of Moran	No	\$ 250,000	Y	Alignment with Region Goals
071000043	City of Munday DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Knox	Many	Many	City of Munday	1.4	Riverine	City of Munday	City of Munday	No	\$ 250,000	Y	Alignment with Region Goals

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000044	City of New Home DMP	Evaluate City of New Home for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lynn	Many	Many	Many	1.0	Playa	City of New Home	City of New Home	No	\$ 250,000	Y	Alignment with Region Goals
071000045	City of Newcastle DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Determine locations for additional detention/retention basins.	07000011, 07000012	Young	Many	Many	Post Oak Creek-Brazos River	1.8	Riverine	City of Newcastle	City of Newcastle	No	\$ 250,000	Y	Alignment with Region Goals
071000046	City of Post DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Garza	Many	Many	Many	3.8	Riverine	City of Post	City of Post	No	\$ 250,000	Y	Alignment with Region Goals
071000047	City of Roscoe DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Nolan	Many	Many	Many	3.2	Riverine	City of Roscoe	City of Roscoe	No	\$ 250,000	Y	Alignment with Region Goals
071000048	City of Seymour DMP	Evaluate city to analyze roads/stream crossing for emergency response vehicles to high hazard areas. Evaluate city storm infrastructure for deficiencies.	07000011, 07000012	Baylor	Many	Many	Camp Creek-Duck Creek, Dockum Creek, Spade Draw-Duck Creek	2.9	Riverine	City of Seymour	City of Seymour	No	\$ 250,000	Y	Alignment with Region Goals
071000049	City of Springlake DMP	Evaluate City of Springlake for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lamb	Many	Many	Many	1.0	Playa	City of Springlake	City of Springlake	No	\$ 250,000	Y	Alignment with Region Goals
071000050	City of Spur DMP	Emulate the City of Spur storm infrastructure. Determine level of service, recommend improvements.	07000011, 07000012	Dickens	Many	Many	Bull Wagon Creek, Indian Creek, Lower Little Elm Creek	1.6	Riverine	City of Spur	City of Spur	No	\$ 250,000	Y	Alignment with Region Goals
071000051	City of Sudan DMP	Evaluate City of Sudan for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lamb	Many	Many	Many	1.0	Playa	City of Sudan	City of Sudan	No	\$ 250,000	Y	Alignment with Region Goals
071000052	City of Sweetwater DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Nolan	Many	Many	Many	11	Riverine	City of Sweetwater	City of Sweetwater	No	\$ 250,000	Y	Alignment with Region Goals
071000053	City of Tahoka DMP	Evaluate City of Tahoka for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lynn	Many	Many	Town of Tahoka	2.4	Playa	City of Tahoka	City of Tahoka	No	\$ 250,000	Y	Alignment with Region Goals
071000054	City of Tuscola DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Taylor	Many	Many	Many	0.1	Riverine	City of Tuscola	City of Tuscola	No	\$ 250,000	Y	Alignment with Region Goals
071000055	City of Tye DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Taylor	Many	Many	Many	4.8	Riverine	City of Tye	City of Tye	No	\$ 250,000	Y	Alignment with Region Goals

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000056	City of Wilson DMP	Evaluate City of Wilson for a Storm Water Master Plan, flood ordinances, and policies.	07000011, 07000012	Lynn	Many	Many	Many	0.6	Playa	City of Wilson	City of Wilson	No	\$ 250,000	Y	Alignment with Region Goals
071000057	Cochran County DMP	Identify bridge and culvert crossings damaged by past flooding events. Create a GIS map and assessment condition report for each structure.	07000011, 07000012	Cochran	Many	Many	Many	325	Playa	Cochran	Cochran	No	\$ 500,000	Y	Alignment with Region Goals
071000058	Dickens County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Dickens	12050001, 12050002	Many	Many	573	Riverine, Playa	Dickens	Dickens	No	\$ 500,000	Y	Alignment with Region Goals
071000059	Fisher County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Fisher	12050001, 12050002	Many	Many	900	Riverine	Fisher	Fisher	No	\$ 500,000	Y	Alignment with Region Goals
071000060	Garza County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Garza	Many	Many	Many	885	Riverine, Playa	Garza	Garza	No	\$ 500,000	Y	Alignment with Region Goals
071000061	Haskell County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Haskell	Many	Many	Many	907	Riverine	Haskell	Haskell	No	\$ 500,000	Y	Alignment with Region Goals
071000062	Jones County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Jones	Many	Many	Many	933	Riverine	Jones	Jones	No	\$ 500,000	Y	Alignment with Region Goals
071000063	Kent County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Kent	Many	Many	Bull Wagon Creek, Indian Creek, Lower Little Elm Creek	888	Riverine	Kent	Kent	No	\$ 500,000	Y	Alignment with Region Goals
071000064	Knox County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Knox	Many	Many	Bull Wagon Creek, Indian Creek, Lower Little Elm Creek	432	Riverine	Knox	Knox	No	\$ 500,000	Y	Alignment with Region Goals
071000065	Lamb County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Lamb	Many	Many	Olton Cemetery, Town of Olton, 120500060202	1016	Playa	Lamb	Lamb	No	\$ 500,000	Y	Alignment with Region Goals



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071000066	Lynn County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Lynn	Many	Many	Many	673	Playa	Lynn	Lynn	No	\$ 500,000	Y	Alignment with Region Goals
071000067	Mitchell County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Mitchell	Many	Many	Many	8	Riverine	Mitchell	Mitchell	No	\$ 500,000	Y	Alignment with Region Goals
071000068	Nolan County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Nolan	Many	Many	Many	461	Riverine	Nolan	Nolan	No	\$ 500,000	Y	Alignment with Region Goals
071000069	Parmer County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Parmer	Many	Many	Many	553	Playa	Parmer	Parmer	No	\$ 500,000	Y	Alignment with Region Goals
071000070	Scurry County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Scurry	Many	Many	Many	393	Riverine	Scurry	Scurry	No	\$ 500,000	Y	Alignment with Region Goals
071000071	Shackelford County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Shackelford	Many	Many	Upper Battle Creek, Middle Battle Creek, Pecan Creek	912	Riverine	Shackelford	Shackelford	No	\$ 500,000	Y	Alignment with Region Goals
071000072	Stephens County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Stephens	Many	Many	Many	561	Riverine	Stephens	Stephens	No	\$ 500,000	Y	Alignment with Region Goals
071000073	Stonewall County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Stonewall	Many	Many	Many	925	Riverine	Stonewall	Stonewall	No	\$ 500,000	Y	Alignment with Region Goals
071000074	Swisher County DMP	Evaluate the TxDOT low water crossings county-wide	07000011, 07000012	Swisher	Many	Many	Many	74	Playa	Swisher	Swisher	No	\$ 500,000	Y	Alignment with Region Goals
071000075	Taylor County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Taylor	Many	Many	Town of Whiteface, Town of Famuliner, Town of Neely Ward	612	Riverine	Taylor	Taylor	No	\$ 500,000	Y	Alignment with Region Goals



FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000076	Throckmorton County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Throckmorton	Many	Many	Many	912	Riverine	Throckmorton	Throckmorton	No	\$ 500,000	Y	Alignment with Region Goals
071000077	Town of Aspermont DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Stonewall	Many	Many	Many	2.1	Riverine	Town of Aspermont	Town of Aspermont	No	\$ 250,000	Y	Alignment with Region Goals
071000078	Town of Buffalo Gap DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Evaluate areas with repetitive losses. Recommend mitigation needs.	07000011, 07000012	Taylor	Many	Many	Many	2.4	Riverine	Town of Buffalo Gap	Town of Buffalo Gap	No	\$ 250,000	Y	Alignment with Region Goals
071000079	Town of Megargel DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Evaluate the storm drain system for capacity and functionality.	07000011, 07000012	Archer	Many	Many	Many	0.2	Riverine	Town of Megargel	Town of Megargel	No	\$ 250,000	Y	Alignment with Region Goals
071000080	Town of Rochester DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Haskell	Many	Many	Many	0.3	Riverine	Town of Rochester	Town of Rochester	No	\$ 250,000	Y	Alignment with Region Goals
071000081	Town of Rule DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Haskell	Many	Many	Many	0.7	Riverine	Town of Rule	Town of Rule	No	\$ 250,000	Y	Alignment with Region Goals
071000082	Town of Woodson DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Throckmorton	Many	Many	Many	0.6	Riverine	Town of Woodson	Town of Woodson	No	\$ 250,000	Y	Alignment with Region Goals
071000083	Young County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	07000011, 07000012	Young	Many	Many	Many	408	Riverine	Young	Young	No	\$ 500,000	Y	Alignment with Region Goals
071000084	Archer County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Archer	Many	Many	Many	22	Riverine	Archer	Archer	No	\$ 100,000	Y	Alignment with Region Goals
071000085	Bailey County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Bailey	Many	Many	Many	826	Playa	Bailey	Bailey	No	\$ 100,000	Y	Alignment with Region Goals
071000086	Baylor County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Baylor	Many	Many	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	392	Riverine	Baylor	Baylor	No	\$ 100,000	Y	Alignment with Region Goals

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000087	Borden County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Borden	12050007	Many	Many	55	Riverine, Playa	Borden	Borden	No	\$ 100,000	Y	Alignment with Region Goals
071000088	Callahan County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Callahan	12060102	Many	Many	433	Riverine	Callahan	Callahan	No	\$ 100,000	Y	Alignment with Region Goals
071000089	Castro County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Castro	12060103	1.20601E+11	Many	451	Playa	Castro	Castro	No	\$ 100,000	Y	Alignment with Region Goals
071000090	Cochran County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Cochran	12060102	Many	Many	325	Playa	Cochran	Cochran	No	\$ 100,000	Y	Alignment with Region Goals
071000091	Crosby County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Crosby	12060102	Many	Many	896	Riverine, Playa	Crosby	Crosby	No	\$ 100,000	Y	Alignment with Region Goals
071000092	Dawson County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Dawson	12050004	1.205E+11	120500040305, Town of Plains	4	Playa	Dawson	Dawson	No	\$ 100,000	Y	Alignment with Region Goals
071000093	Dickens County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Dickens	11130209, 12060101	111302090105, 120601010806	Many	573	Riverine, Playa	Dickens	Dickens	No	\$ 100,000	Y	Alignment with Region Goals
071000094	Eastland County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Eastland	12060102, 12090107	120601020801, 120901070101	Upper Battle Creek, Middle Battle Creek, Pecan Creek	125	Riverine	Eastland	Eastland	No	\$ 100,000	Y	Alignment with Region Goals
071000095	Fisher County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Fisher	12060101	1.20601E+11	Many	900	Riverine	Fisher	Fisher	No	\$ 100,000	Y	Alignment with Region Goals
071000096	Floyd County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Floyd	12060101	1.20601E+11	Many	407	Riverine, Playa	Floyd	Floyd	No	\$ 100,000	Y	Alignment with Region Goals
071000097	Garza County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Garza	12050003	120500030502, 120500030503	Many	885	Riverine, Playa	Garza	Garza	No	\$ 100,000	Y	Alignment with Region Goals
071000098	Haskell County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Haskell	12050004, 12050007	Many	Town of Whiteface, Town of Famuliner, Town of Neely Ward	907	Riverine	Haskell	Haskell	No	\$ 100,000	Y	Alignment with Region Goals
071000099	Hockley County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Hockley	12060101	1.20601E+11	Many	811	Playa	Hockley	Hockley	No	\$ 100,000	Y	Alignment with Region Goals
071000100	Kent County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Kent	11130206, 12060101	Many	Many	888	Riverine	Kent	Kent	No	\$ 100,000	Y	Alignment with Region Goals
071000101	King County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	King	12050001	120500011103, 120500011104	Many	336	Riverine	King	King	No	\$ 100,000	Y	Alignment with Region Goals
071000102	Knox County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Knox	12050002	1.205E+11	Many	432	Riverine	Knox	Knox	No	\$ 100,000	Y	Alignment with Region Goals

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071000103	Lamb County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Lamb	12050006	120500060201, 120500060202	Many	1016	Playa	Lamb	Lamb	No	\$ 100,000	Y	Alignment with Region Goals
071000104	Lynn County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Lynn	12050001, 12050002	120500011103, 120500020411	Many	673	Playa	Lynn	Lynn	No	\$ 100,000	Y	Alignment with Region Goals
071000105	Mitchell County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Mitchell	12060102	Many	Many	8	Riverine	Mitchell	Mitchell	No	\$ 100,000	Y	Alignment with Region Goals
071000106	Nolan County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Nolan	12060104	1.20601E+11	Many	461	Riverine	Nolan	Nolan	No	\$ 100,000	Y	Alignment with Region Goals
071000107	Parmer County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Parmer	12060105	120601050202, 120601050204	Many	553	Playa	Parmer	Parmer	No	\$ 100,000	Y	Alignment with Region Goals
071000108	Scurry County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Scurry	12060105	120601050105, 120601050106	Many	393	Riverine	Scurry	Scurry	No	\$ 100,000	Y	Alignment with Region Goals
071000109	Shackelford County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Shackelford	12050004	120500040209, 120500040401	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	912	Riverine	Shackelford	Shackelford	No	\$ 100,000	Y	Alignment with Region Goals
071000110	Stephens County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Stephens	12050004	120500040104, 120500040207	Many	561	Riverine	Stephens	Stephens	No	\$ 100,000	Y	Alignment with Region Goals
071000111	Stonewall County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Stonewall	12060103	1.20601E+11	Many	925	Riverine	Stonewall	Stonewall	No	\$ 100,000	Y	Alignment with Region Goals
071000112	Swisher County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Swisher	12050001	120500011105, 120500011106	Many	74	Playa	Swisher	Swisher	No	\$ 100,000	Y	Alignment with Region Goals
071000113	Taylor County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Taylor	12050006	120500060101, 120500060203	Many	612	Riverine	Taylor	Taylor	No	\$ 100,000	Y	Alignment with Region Goals
071000114	Terry County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Terry	12060102	1.20601E+11	Many	25	Playa	Terry	Terry	No	\$ 100,000	Y	Alignment with Region Goals
071000115	Throckmorton County GIS Development	Develop a GIS inventory of stormwater infrastructure	07000011, 07000012	Throckmorton	12060101	1.20601E+11	Many	912	Riverine	Throckmorton	Throckmorton	No	\$ 100,000	Y	Alignment with Region Goals
071000116	Lake Benjamin Dam Evaluation	Perform full H&H analysis and dam assessment of Lake Benjamin Dam. Assess needs for slope stability and spillway improvements.	07000011, 07000012	Knox	12060101	1.20601E+11	Many	432	Riverine	Knox	Knox	No	\$ 58,000	Y	Alignment with Region Goals
071000117	Canal Street Study	H&H Study to review drainage problems on Canal Street, Knox City to determine mitigation efforts to reduce flooding.	07000011, 07000012	Knox	12060102, 12090108	120601020708, 120901080101	Many	0.8	Riverine	Knox City	Knox City	No	\$ 260,000	Y	Alignment with Region Goals

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000118	John Montford Dam Evaluation	Access the current condition of the intake tower, bridge and structure at John Montford Dam. Evaluate the seepage through the Dam.	07000011, 07000012	Lubbock	12060102	1.20601E+11	Many	898	Riverine, Playa	Lubbock	Lubbock	No	\$ 417,000	Y	Alignment with Region Goals
071000119	Archer County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Archer	12060102	1.20601E+11	Many	22	Riverine	Archer	Archer	No	\$ 100,000	Y	Alignment with Region Goals
071000120	Archer County Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	07000041, 07000042	Archer	12050003	1.205E+11	Many	22	Riverine	Archer	Archer	No	\$ 2,000,000	Y	Alignment with Region Goals
071000121	Bailey County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Bailey	Many	Many	Many	826	Playa	Bailey	Bailey	No	\$ 100,000	Y	Alignment with Region Goals
071000122	Baylor County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Baylor	Many	Many	Many	392	Riverine	Baylor	Baylor	No	\$ 100,000	Y	Alignment with Region Goals
071000123	Borden County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Borden	12050001, 12050002	Many	Many	55	Riverine, Playa	Borden	Borden	No	\$ 100,000	Y	Alignment with Region Goals
071000124	Callahan County Buyout Program	Develop a land acquisition program in flood hazard areas.	07000041, 07000042	Callahan	Many	Many	Many	433	Riverine	Callahan	Callahan	No	\$ 2,000,000	Y	Alignment with Region Goals
071000125	Callahan County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Callahan	Many	Many	Many	433	Riverine	Callahan	Callahan	No	\$ 100,000	Y	Alignment with Region Goals
071000126	Castro County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Castro	Many	Many	Many	451	Playa	Castro	Castro	No	\$ 100,000	Y	Alignment with Region Goals
071000127	City of Abilene Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulative damages"	07000085	Taylor	Many	Many	Many	112	Riverine	City of Abilene	City of Abilene	No	\$ 100,000	Y	Alignment with Region Goals
071000128	City of Baird Buyout Program	Develop a land acquisition program in flood hazard areas.	07000041, 07000042	Callahan	Many	Many	Many	2.7	Riverine	City of Baird	City of Baird	No	\$ 1,000,000	Y	Alignment with Region Goals

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000129	City of Baird Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulative damages"	07000085	Callahan	12060102	Many	Town of Whiteface, Town of Famuliner, Town of Neely Ward	2.7	Riverine	City of Baird	City of Baird	No	\$ 25,000	Y	Alignment with Region Goals
071000130	City of Breckenridge Buyout Program	Acquire and demolish repetitive loss properties.	07000041, 07000042	Stephens	12060105	120601050102, 120601050302	Many	4.2	Riverine	City of Breckenridge	City of Breckenridge	No	\$ 1,000,000	Y	Alignment with Region Goals
071000131	City of Breckenridge Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Stephens	12060105	120601050102, 120601050302	Many	4.2	Riverine	City of Breckenridge	City of Breckenridge	No	\$ 500,000	Y	Alignment with Region Goals
071000132	City of Breckenridge New Ordinance - Detention	Adopt on-site retention basin program in conjunction with development to address excessive stormwater / firefighting water source.	07000085	Stephens	12060105	Many	Many	4.2	Riverine	City of Breckenridge	City of Breckenridge	No	\$ 100,000	Y	Alignment with Region Goals
071000133	City of Clyde Flood Protection Lift Station Program	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	07000041, 07000042	Callahan	12060105	Many	Many	0.5	Riverine	City of Clyde	City of Clyde	No	\$ 100,000	Y	Alignment with Region Goals
071000134	City of Clyde Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Callahan	1.206E+63	1.205E+234	Many	0.5	Riverine	City of Clyde	City of Clyde	No	\$ 500,000	Y	Alignment with Region Goals
071000135	City of Clyde Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulative damages"	07000085	Callahan	1.206E+63	1.205E+234	Many	0.5	Riverine	City of Clyde	City of Clyde	No	\$ 100,000	Y	Alignment with Region Goals
071000136	City of Hamlin Buyout Program	Acquire and demolish repetitive loss properties.	07000041, 07000042	Jones	Many	Many	Many	5.3	Riverine	City of Hamlin	City of Hamlin	No	\$ 1,000,000	Y	Alignment with Region Goals
071000137	City of Hamlin Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Jones	Many	Many	Many	5.3	Riverine	City of Hamlin	City of Hamlin	No	\$ 500,000	Y	Alignment with Region Goals
071000138	City of Hamlin Floodproof Sewage Plant Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	07000041, 07000042	Jones	Many	Many	Many	5.3	Riverine	City of Hamlin	City of Hamlin	No	\$ 100,000	Y	Alignment with Region Goals



FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000139	City of Hamlin Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulative damages"	07000085	Jones	Many	Many	Many	5.3	Riverine	City of Hamlin	City of Hamlin	No	\$ 100,000	Y	Alignment with Region Goals
071000140	City of Haskell Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	07000041, 07000042	Haskell	Many	Many	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	3.6	Riverine	City of Haskell	City of Haskell	No	\$ 1,000,000	Y	Alignment with Region Goals
071000141	City of Levelland DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Lubbock	Many	Many	Many	10	Playa	City of Levelland	City of Levelland	No	\$ 100,000	Y	Alignment with Region Goals
071000142	City of Moran Floodproof Sewage Plant Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	07000041, 07000042	Shackelford	Many	Many	Town of Whiteface, Town of Famuliner, Town of Neely Ward	0.4	Riverine	City of Moran	City of Moran	No	\$ 100,000	Y	Alignment with Region Goals
071000143	City of Moran New Ordinance - Detention	Adopt on-site detention basin program. Detained water to be considered for fire fighting.	07000085	Shackelford	Many	Many	Many	0.4	Riverine	City of Moran	City of Moran	No	\$ 100,000	Y	Alignment with Region Goals
071000144	City of Munday Flood Protection Lift Station Program	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	07000041, 07000042	Knox	Many	Many	Many	1.4	Riverine	City of Munday	City of Munday	No	\$ 100,000	Y	Alignment with Region Goals
071000145	City of Roscoe Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Nolan	Many	Many	Many	3.2	Riverine	City of Roscoe	City of Roscoe	No	\$ 500,000	Y	Alignment with Region Goals
071000146	City of Roscoe Floodproof Sewage Plant Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	07000041, 07000042	Nolan	Many	Many	Many	3.2	Riverine	City of Roscoe	City of Roscoe	No	\$ 250,000	Y	Alignment with Region Goals
071000147	City of Roscoe Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulative damages"	07000085	Nolan	Many	Many	Many	3.2	Riverine	City of Roscoe	City of Roscoe	No	\$ 100,000	Y	Alignment with Region Goals
071000148	City of Roscoe Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	07000041, 07000042	Nolan	Many	Many	Many	3.2	Riverine	City of Roscoe	City of Roscoe	No	\$ 1,000,000	Y	Alignment with Region Goals



FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000149	City of Roscoe Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	07000041, 07000042	Nolan	Many	Many	Many	3.2	Riverine	City of Roscoe	City of Roscoe	No	\$ 250,000	Y	Alignment with Region Goals
071000150	City of Rotan Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulative damages"	07000085	Fisher	Many	Many	Many	900	Riverine	Fisher	Fisher	No	\$ 100,000	Y	Alignment with Region Goals
071000151	City of Slaton School Campus Drainage Program	Install water drainage system at campuses as backup in severe weather events	07000041, 07000042	Lubbock	Many	Many	Many	5.4	Riverine, Playa	City of Slaton	City of Slaton	No	\$ 150,000	Y	Alignment with Region Goals
071000152	City of Sweetwater DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Nolan	Many	Many	Many	11	Riverine	City of Sweetwater	City of Sweetwater	No	\$ 100,000	Y	Alignment with Region Goals
071000153	City of Tuscola Flood Protection Lift Station Program	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	07000041, 07000042	Taylor	Many	Many	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	0.1	Riverine	City of Tuscola	City of Tuscola	No	\$ 100,000	Y	Alignment with Region Goals
071000154	City of Tye Buyout Program	Develop a land acquisition program in flood hazard areas.	07000041, 07000042	Taylor	Many	Many	Bull Wagon Creek, Indian Creek, Lower Little Elm Creek	4.8	Riverine	City of Tye	City of Tye	No	\$ 500,000	Y	Alignment with Region Goals
071000155	City of Tye Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Taylor	Many	Many	Bull Wagon Creek, Indian Creek, Lower Little Elm Creek	4.8	Riverine	City of Tye	City of Tye	No	\$ 500,000	Y	Alignment with Region Goals
071000156	City of Wolfforth Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulative damages"	07000085	Lubbock	Many	Many	Many	3.1	Riverine	City of Wolfforth	City of Wolfforth	No	\$ 100,000	Y	Alignment with Region Goals
071000157	Cochran County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Cochran	Many	Many	Town of Whiteface, Town of Famuliner, Town of Neely Ward	325	Playa	Cochran	Cochran	No	\$ 100,000	Y	Alignment with Region Goals

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000158	Crosby County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Crosby	Many	Many	Many	896	Riverine, Playa	Crosby	Crosby	No	\$ 100,000	Y	Alignment with Region Goals
071000159	Dawson County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Dawson	Many	Many	Many	4	Playa	Dawson	Dawson	No	\$ 100,000	Y	Alignment with Region Goals
071000160	Dickens County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Dickens	Many	Many	Many	573	Riverine, Playa	Dickens	Dickens	No	\$ 100,000	Y	Alignment with Region Goals
071000161	Eastland County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Eastland	Many	Many	Many	125	Riverine	Eastland	Eastland	No	\$ 100,000	Y	Alignment with Region Goals
071000162	Fisher County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Fisher	Many	Many	Many	900	Riverine	Fisher	Fisher	No	\$ 100,000	Y	Alignment with Region Goals
071000163	Floyd County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Floyd	Many	Many	Many	407	Riverine, Playa	Floyd	Floyd	No	\$ 100,000	Y	Alignment with Region Goals
071000164	Garza County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Garza	Many	Many	Many	885	Riverine, Playa	Garza	Garza	No	\$ 100,000	Y	Alignment with Region Goals
071000165	Hale County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Hale	Many	Many	Many	996	Riverine, Playa	Hale	Hale	No	\$ 100,000	Y	Alignment with Region Goals
071000166	Haskell County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Haskell	Many	Many	Many	907	Riverine	Haskell	Haskell	No	\$ 100,000	Y	Alignment with Region Goals
071000167	Hockley County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Hockley	Many	Many	Many	811	Playa	Hockley	Hockley	No	\$ 100,000	Y	Alignment with Region Goals
071000168	Jones County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Jones	Many	Many	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	933	Riverine	Jones	Jones	No	\$ 100,000	Y	Alignment with Region Goals
071000169	Kent County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Kent	Many	Many	Many	888	Riverine	Kent	Kent	No	\$ 100,000	Y	Alignment with Region Goals

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000170	Kent Flood Protection Lift Station Program	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	07000041, 07000042	Kent	Many	Many	Many	888	Riverine	Kent	Kent	No	\$ 100,000	Y	Alignment with Region Goals
071000171	King County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	King	Many	Many	Many	336	Riverine	King	King	No	\$ 100,000	Y	Alignment with Region Goals
071000172	Knox County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Knox	Many	Many	Many	432	Riverine	Knox	Knox	No	\$ 100,000	Y	Alignment with Region Goals
071000173	Knox County Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	07000041, 07000042	Knox	Many	Many	Many	432	Riverine	Knox	Knox	No	\$ 2,000,000	Y	Alignment with Region Goals
071000174	Knox County Tax Incentive Program	Consider providing tax incentives for development of low-hazard land parcels.	07000085	Knox	Many	Many	Many	432	Riverine	Knox	Knox	No	\$ 25,000	Y	Alignment with Region Goals
071000175	Knox Flood Protection Lift Station Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	07000041, 07000042	Knox	Many	Many	Many	432	Riverine	Knox	Knox	No	\$ 100,000	Y	Alignment with Region Goals
071000176	Lamb County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Lamb	Many	Many	Many	1016	Playa	Lamb	Lamb	No	\$ 100,000	Y	Alignment with Region Goals
071000177	Lubbock County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Lubbock	Many	Many	Many	898	Riverine, Playa	Lubbock	Lubbock	No	\$ 100,000	Y	Alignment with Region Goals
071000178	Lubbock County Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Lubbock	Many	Many	Many	898	Riverine, Playa	Lubbock	Lubbock	No	\$ 1,000,000	Y	Alignment with Region Goals
071000179	Lynn County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Lynn	Many	Many	Many	673	Playa	Lynn	Lynn	No	\$ 100,000	Y	Alignment with Region Goals
071000180	Mitchell County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Mitchell	Many	Many	Many	8	Riverine	Mitchell	Mitchell	No	\$ 100,000	Y	Alignment with Region Goals
071000181	Nolan County Buyout Program	Acquire and demolish repetitive loss properties.	07000041, 07000042	Nolan	12060102	Many	Many	461	Riverine	Nolan	Nolan	No	\$ 1,000,000	Y	Alignment with Region Goals
071000182	Nolan County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Nolan	12050001, 12050004	Many	Many	461	Riverine	Nolan	Nolan	No	\$ 100,000	Y	Alignment with Region Goals

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000183	Nolan County Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Nolan	12050003	Many	Many	461	Riverine	Nolan	Nolan	No	\$ 1,000,000	Y	Alignment with Region Goals
071000184	Parmer County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Parmer	12060103	1.20601E+11	Many	553	Playa	Parmer	Parmer	No	\$ 100,000	Y	Alignment with Region Goals
071000185	Scurry County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Scurry	12060103	1.20601E+11	Many	393	Riverine	Scurry	Scurry	No	\$ 100,000	Y	Alignment with Region Goals
071000186	Scurry County Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	07000041, 07000042	Scurry	12060103	1.20601E+11	Many	393	Riverine	Scurry	Scurry	No	\$ 2,000,000	Y	Alignment with Region Goals
071000187	Shackelford County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Shackelford	12060103	1.20601E+11	Many	912	Riverine	Shackelford	Shackelford	No	\$ 100,000	Y	Alignment with Region Goals
071000188	Stephens County Buyout Program	Develop a land acquisition program in flood hazard areas.	07000041, 07000042	Stephens	12060102	Many	Many	561	Riverine	Stephens	Stephens	No	\$ 1,000,000	Y	Alignment with Region Goals
071000189	Stephens County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Stephens	12060102	Many	Many	561	Riverine	Stephens	Stephens	No	\$ 100,000	Y	Alignment with Region Goals
071000190	Stephens County Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	07000041, 07000042	Stephens	12060105	Many	Many	561	Riverine	Stephens	Stephens	No	\$ 500,000	Y	Alignment with Region Goals
071000191	Stephens Flood Protection Lift Station Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	07000041, 07000042	Stephens	12060103	1.20601E+11	Many	561	Riverine	Stephens	Stephens	No	\$ 100,000	Y	Alignment with Region Goals
071000192	Stonewall County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Stonewall	12060102, 12090107	120601020801, 120901070101	Many	925	Riverine	Stonewall	Stonewall	No	\$ 100,000	Y	Alignment with Region Goals
071000193	Stonewall County Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	07000041, 07000042	Stonewall	12060102, 12090107	120601020801, 120901070101	Many	925	Riverine	Stonewall	Stonewall	No	\$ 500,000	Y	Alignment with Region Goals
071000194	Swisher County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Swisher	12060102, 12090107	120601020801, 120901070101	Many	74	Playa	Swisher	Swisher	No	\$ 100,000	Y	Alignment with Region Goals

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000195	Taylor County Dam Inspection Program	Annual dam inspection, partner with SWCD to help fund repairs and maintenance, partner with property owners to report new damage or erosion, and patrol for illegal dumping at dams.	07000031, 07000032	Taylor	12060102	Many	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	612	Riverine	Taylor	Taylor	No	\$ 100,000	Y	Alignment with Region Goals
071000196	Taylor County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Taylor	12060102	Many	Many	612	Riverine	Taylor	Taylor	No	\$ 100,000	Y	Alignment with Region Goals
071000197	Taylor County Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	07000041, 07000042	Taylor	12060102	Many	Many	612	Riverine	Taylor	Taylor	No	\$ 500,000	Y	Alignment with Region Goals
071000198	Terry County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Terry	12060102	Many	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	25	Playa	Terry	Terry	No	\$ 100,000	Y	Alignment with Region Goals
071000199	Throckmorton County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Throckmorton	12060102	Many	Many	912	Riverine	Throckmorton	Throckmorton	No	\$ 100,000	Y	Alignment with Region Goals
071000200	Town of Rochester Relocate Critical Facilities High Hazard	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	07000041, 07000042	Haskell	12050003	Many	City of Rochester	0.3	Riverine	Haskell	Haskell	No	\$ 100,000	Y	Alignment with Region Goals
071000201	Town of Rule Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	07000041, 07000042	Haskell	12060101	120601010703, 120601010705	City of Rochester	0.7	Riverine	Haskell	Haskell	No	\$ 250,000	Y	Alignment with Region Goals
071000202	Town of Throckmorton Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	07000041, 07000042	Throckmorton	12060101	1.20601E+11	Lower North Elm Creek, Upper Elm Creek	1.7	Riverine	Throckmorton	Throckmorton	No	\$ 100,000	Y	Alignment with Region Goals
071000203	Town of Woodson Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	07000041, 07000042	Throckmorton	12060102, 12090108	120601020708, 120901080101	Upper Kings Creek	0.6	Riverine	Throckmorton	Throckmorton	No	\$ 250,000	Y	Alignment with Region Goals
071000204	Upper Brazos Dam Inventory Evaluation	Develop a baseline understanding of the risks associated with high and significant hazard and NRCS dams within the basin, including coordination with the Texas State Soil & Water Conservation Board dam maintenance plan.	07000031, 07000032	All	12060101	1.20601E+11	Upper Brazos	20028	Riverine, Playa	SPAG	SPAG	No	\$ 750,000	Y	Alignment with Region Goals



FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071000205	Upper Brazos Industry Flood Losses Inventory Evaluation	Reduce the vulnerability of agriculture, ranching, energy and forestry to flood-related losses by establishing a baseline measurement.	07000051, 07000052	All	12060104	1.20601E+11	Upper Brazos	20028	Riverine, Playa	SPAG	SPAG	No	\$ 100,000	Y	Alignment with Region Goals
071000206	Young County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	07000083, 07000084, 07000085	Young	12060105	120601050105, 120601050106	Lower Elm Creek, Middle Elm Creek, Upper Fish Creek	408	Riverine	Young	Young	No	\$ 100,000	Y	Alignment with Region Goals
071000207	City of Abilene Operations of Lake Abilene	Increase available flood storage in the reservoir	07000021, 07000022, 07000041, 07000042	Taylor	12060105	120601050105, 120601050106	Coon Hollow-Elm Creek	6.0	Riverine	City of Abilene	City of Abilene	No	\$ 200,000	Y	Alignment with Region Goals
071000208	City of Abilene Elm Creek Detention below Southwest Drive	Proposed detention pond	07000021, 07000022, 07000041, 07000042	Taylor	12060101	1.20601E+11	Cat Claw Creek-Elm Creek	0.9	Riverine	City of Abilene	City of Abilene	No	\$ 700,000	Y	Alignment with Region Goals
071000209	Idalou Playa Lake Improvements	Establish native grass buffers around Playa Lakes to filter out soil and contaminants from flooding; replenish dry Playa Lakes to ensure protection of aquifers and mitigate declining water tables due to drought	07000021, 07000022, 07000041, 07000042	Lubbock	Many	Many	City of Idalou, City of Acuff	2.9	Riverine, Playa	City of Idalou	City of Idalou	No	\$ 100,000	Y	Alignment with Region Goals
071000210	City of Lubbock 34th St CIP	Balancing culverts, an elevated roadway and a drainage system parallel to the road between Upland and Milwaukee.	07000021, 07000022, 07000041, 07000042	Lubbock	12060102	1.20601E+11	Many	0.03	Riverine, Playa	City of Lubbock	City of Lubbock	No	\$ 100,000	Y	Alignment with Region Goals
071000212	Lubbock County Floodplain Open Space Program	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	07000085	Lubbock	12060102	1.20601E+11	Many	898	Riverine, Playa	Lubbock	Lubbock	No	\$ 1,000,000	Y	Alignment with Region Goals
071000213	City of Lubbock Clovis and Quaker	Clovis and Quaker Area of Interest	07000021, 07000022, 07000041, 07000042	Lubbock	12060102	1.20601E+11	McCauley Well-Yellow House Draw	8.7	Riverine, Playa	City of Lubbock	City of Lubbock	No	\$ 100,000	Y	Alignment with Region Goals
071000214	City of Lubbock Higginbothum Park	Higginbothum Park Area of Interest	07000021, 07000022, 07000041, 07000042	Lubbock	12060102	1.20601E+11	Many	0.4	Riverine	City of Lubbock	City of Lubbock	No	\$ 100,000	Y	Alignment with Region Goals
071000215	Mackenzie Park South - Santa Land Rd	Mackenzie Park South - Santa Land Rd Area of Interest	07000021, 07000022, 07000041, 07000042	Lubbock	12060102	1.20601E+11	120500040206, City of Cotton Center, Upper Fish Creek	2001	Riverine, Playa	Lubbock County	Lubbock County	No	\$ 100,000	Y	Alignment with Region Goals
071000216	CRP Grass Flood Area	Grass Program causes road to flood	07000021, 07000022, 07000041, 07000042	Hockley	12060102	1.20601E+11	Many	27	Playa	Hockley County	Hockley County	No	\$ 100,000	Y	Alignment with Region Goals



FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation	Reason for Recommendation
071300001	City of Abilene Elm Creek Diversion	Upstream detention / bypass on Elm Creek	07000021, 07000022, 07000041, 07000042	Taylor	12060102	120601020705, 120601020711	Lower Little Elm Creek, Cat Claw Creek-Elm Creek	0.3	Riverine	City of Abilene	City of Abilene	No	\$ 800,000	Y	Alignment with Region Goals
071300002	City of Abilene Catclaw Creek From S. 11th Street to S. 7th Street	Enhance storage capacity of creek channel, raise Sammons Street and regional detention improvements	07000021, 07000022, 07000041, 07000042	Taylor	12050003	1.205E+11	Cat Claw Creek-Elm Creek	0.1	Riverine	City of Abilene	City of Abilene	No	\$ 100,000	Y	Alignment with Region Goals
071300003	City of Abilene Little Elm Creek at S. 7th Street	Channel improvements, enlargement of culvert under South 7th and overflow detention	07000021, 07000022, 07000041, 07000042	Taylor	12050003	120500030303, 120500030304	Lower Little Elm Creek	0.1	Riverine	City of Abilene	City of Abilene	No	\$ 550,000	Y	Alignment with Region Goals
071300004	City of Abilene Buttonwillow Creek Crossing	Replacement of low water crossing	07000021, 07000022	Taylor	Many	1.205E+234	Upper Cedar Creek	0.02	Riverine	City of Abilene	City of Abilene	No	\$ 150,000	Y	Alignment with Region Goals
071300005	City of Abilene Treadway and S. 27th Street	Construction of new storms drains and valley gutters	07000021, 07000022, 07000041, 07000042	Taylor	12050004	Many	Upper Cedar Creek	0.02	Riverine	City of Abilene	City of Abilene	No	\$ 100,000	Y	Alignment with Region Goals
071300007	City of Abilene Buttonwillow Upstream Detention	Regional detention pond	07000021, 07000022, 07000041, 07000042	Taylor	12050003	1.205E+11	Upper Cedar Creek	0.1	Riverine	City of Abilene	City of Abilene	No	\$ 350,000	Y	Alignment with Region Goals
071300008	City of Abilene Improve Curry Lane Detention Pond	Installation of drainage flumes and curb and gutter along Curry Lane, construction of bypass pipe from Catclaw Creek, deepening of existing detention pond and extension of storm drain in Curry Lane	07000021, 07000022, 07000041, 07000042	Taylor	12050003	1.205E+11	Cat Claw Creek-Elm Creek	0.7	Riverine	City of Abilene	City of Abilene	No	\$ 500,000	Y	Alignment with Region Goals
071300010	City of Lubbock 4th St & Elkhart CIP	Construct box culverts. Provide excavation to offset increased discharge. Construct earthen dam in West Wind channel to maintain playa overflow elevation.	07000021, 07000022, 07000041, 07000042	Lubbock	12060103	1.20601E+11	Many	0.01	Riverine	City of Lubbock	City of Lubbock	No	\$ 100,000	Y	Alignment with Region Goals
071300012	Hamlin Dam Improvements	Harden earthen dam at Hamlin South Lake per request of TCEQ.	07000021, 07000022, 07000041, 07000042	Jones	12060103	1.20601E+11	Dry California Creek	1.7	Riverine	Jones	Jones	No	\$ 100,000	Y	Alignment with Region Goals
071300013	Hamlin South Lake Dam Diversion	Divert water to prevent breaching of Hamlin South Lake Dam.	07000021, 07000022, 07000041, 07000042	Jones	Many	Many	Dry California Creek	1.7	Riverine	Jones	Jones	No	\$ 50,000	Y	Alignment with Region Goals

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC12s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/ Structure removed	% Nature-based Solution (by cost)
073000006	City of Abilene Downtown Railroad Underpasses Flood Warning	Installation of sensors at three railroad underpass to monitor water levels	07000063	Taylor	120601020708, 120601020710	Upper Cedar Creek, Lower Cedar Creek	Preparedness	0.12	Urban	City of Abilene	City of Abilene	No	\$ 636,000	Stormwater Utility Fee, \$546,489	\$ -	0%
073000011	City of Lubbock Stormwater Master Plan: Santa Fe Drive Improvements	Playa excavation and open channel construction for playa overflow and culvert improvements.	07000041	Lubbock	1220500030102	City of Lubbock	Channel	0.21	Riverine	City of Lubbock	City of Lubbock	No	\$4,500,000	Stormwater Utility Fee, \$4,500,000	\$ 391,000	0%
073000014	Bovina Buyout Program	Buy out 5 properties, pending owners' voluntary agreement, along East Street, that are directly across from the playa lake and to make the area into open green space	07000041, 07000042	Parmer	120500050108	Catfish Draw	Property Acquisition	0.10	Playa	City of Bovina	Parmer	No	\$ 550,000	None	\$ 110,000	0%

FMP ID	FMP Name	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Determined by	Associated Model	Water Supply Benefit (Y/N)	BCR	SVI	RFPG Recommendation (Y/N)	Reason for Recommendation
073000006	City of Abilene Downtown Railroad Underpasses Flood Warning	No	N/A	Engineering Judgement	The project was determined to have no negative impacts because there will be no change to the floodplain. This evaluation did not require a model to show no negative impact.	No	0	0.55	Y	Alignment with Region Goals
073000011	City of Lubbock Stormwater Master Plan: Santa Fe Drive Improvements	No	N/A	Model	70000000006 NWLDIP ICPR Model	No	0.7	0.50	Y	Alignment with Region Goals
073000014	Bovina Buyout Program	No	N/A	Engineering Judgement	The project was determined to have no negative impacts because the only change to the floodplain includes removing structures at risk. This evaluation did not require a model to show no negative impact.	No	1.9	0.69	Y	Alignment with Region Goals

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	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 Rec. (Y/N)	Reason for Rec.
072000001	Bailey County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Bailey	12050001, 12050002	Many	Regulatory and Guidance	826.0	Playa	Bailey	Bailey	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000002	Borden County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Borden	Many	Many	Regulatory and Guidance	903.0	Riverine, Playa	Borden	Borden	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000003	Callahan County NFIP Coordination Program	County NFIP Compliance program to coordinate and assist local jurisdictions with reviewing the NFIP components to ensure continued compliance.	07000081, 07000082	Callahan	Many	Many	Regulatory and Guidance	897.2	Riverine	Callahan	Callahan	No	\$ 25,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000004	City of Abilene Creek Gauge Program	Develop program to install automated creek rain gauges and automated barriers for flooded road ways.	07000021, 07000022	Taylor	12060102	Many	Flood Measurement and Warning	111.7	Riverine	City of Abilene	City of Abilene	No	\$ 175,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000005	City of Abilene Turn Around, Don't Drown	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	07000063	Taylor	12060102	Many	Education and Outreach	111.7	Riverine	City of Abilene	City of Abilene	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000006	City of Amherst NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Lamb	12050001	120500011103, 120500011104	Regulatory and Guidance	0.9	Playa	City of Amherst	City of Amherst	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000007	City of Anson NFIP Cross Train Program	Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program.	07000081, 07000082	Jones	12060103	120601030301	Regulatory and Guidance	2.8	Riverine	City of Anson	City of Anson	No	\$ 25,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000008	City of Benjamin NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Knox	12060101	120601010403	Regulatory and Guidance	1.0	Riverine	City of Benjamin	City of Benjamin	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000009	City of Bovina NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Parmer	12050005	120500050108, 120500050109	Regulatory and Guidance	1.2	Playa	City of Bovina	City of Bovina	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000010	City of Clyde Stream Restoration Program	Develop program to implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	07000041, 07000042	Callahan	12060102, 12090107	120601020801, 120901070101	Infrastructure Projects	3.3		City of Clyde	City of Clyde	No	\$ 250,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000011	City of Dickens NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Dickens	12050007	120500070603	Regulatory and Guidance	1.0	Riverine	City of Dickens	City of Dickens	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	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 Rec. (Y/N)	Reason for Rec.
072000012	City of Edmonson NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Hale	12050005	120500050404	Regulatory and Guidance	0.4	Riverine, Playa	City of Edmonson	City of Edmonson	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000013	City of Goree NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Knox	12060101	120601010304	Regulatory and Guidance	1.4	Riverine	City of Goree	City of Goree	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000014	City of Hale Center NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Hale	12050006	120500060103	Regulatory and Guidance	1.4	Riverine, Playa	City of Hale Center	City of Hale Center	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000015	City of Jayton NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Kent	12050007	120500070501, 120500070502, 120500070607	Regulatory and Guidance	1.7	Riverine	City of Jayton	City of Jayton	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000016	City of Levelland Turn Around, Don't Drown	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	07000063	Hockley	12050001, 12050004	Many	Education and Outreach	10.2	Playa	City of Levelland	City of Levelland	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000017	City of Lubbock Turn Around, Don't Drown	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	07000063	Lubbock	Many	Many	Education and Outreach	135.5	Riverine, Urban, Playa	City of Lubbock	City of Lubbock	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000018	City of Lueders NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Jones, Shackelford	12060102	120601020902, 120601020904	Regulatory and Guidance	0.6		City of Lueders	City of Lueders	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000019	City of Moran NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Shackelford	12060105	120601050105, 120601050106	Regulatory and Guidance	0.4	Riverine	City of Moran	City of Moran	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000020	City of Munday NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Knox	12060101	120601010405	Regulatory and Guidance	1.4	Riverine	City of Munday	City of Munday	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000021	City of Petersburg NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Hale	12050006	120500060301, 120500060302	Regulatory and Guidance	0.8	Playa	City of Petersburg	City of Petersburg	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000022	City of Plainview Turn Around, Don't Drown	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	07000063	Hale	12050005	120500050501, 120500050505, 120500050506	Education and Outreach	13.9	Riverine, Playa	City of Plainview	City of Plainview	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000023	City of Putnam NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Callahan	12060105	120601050101, 120601050104	Regulatory and Guidance	1.0	Riverine	City of Putnam	City of Putnam	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	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 Rec. (Y/N)	Reason for Rec.
072000024	City of Ralls NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Crosby	12050006	120500060404, 120500060502	Regulatory and Guidance	1.3	Playa	City of Ralls	City of Ralls	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000025	City of Roby NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Fisher	12060102	120601020106, 120601020206	Regulatory and Guidance	0.7	Riverine	City of Roby	City of Roby	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000026	City of Ropesville NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Hockley	12050004	120500040103	Regulatory and Guidance	0.4	Playa	City of Ropesville	City of Ropesville	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000027	City of Sweetwater Turn Around, Don't Drown	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	07000063	Nolan	12060102	120601020302, 120601020303, 120601020304	Education and Outreach	11.0	Riverine	City of Sweetwater	City of Sweetwater	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000028	City of Weinert NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Haskell	12060101	120601010302	Regulatory and Guidance	0.5	Riverine	City of Weinert	City of Weinert	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000029	Crosby County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Crosby	Many	Many	Regulatory and Guidance	899.0	Riverine, Playa	Crosby	Crosby	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000030	Dawson County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Dawson	12050004	Many	Regulatory and Guidance	898.8	Playa	Dawson	Dawson	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000031	Fisher County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Fisher	Many	Many	Regulatory and Guidance	899.8	Riverine	Fisher	Fisher	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000032	Floyd County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Floyd	Many	Many	Regulatory and Guidance	990.8	Riverine, Playa	Floyd	Floyd	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000033	Garza County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Garza	Many	Many	Regulatory and Guidance	893.4	Riverine, Playa	Garza	Garza	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000034	Haskell County NFIP Cross Train Program	Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program.	07000081, 07000082	Haskell	Many	Many	Regulatory and Guidance	907.4	Riverine	Haskell	Haskell	No	\$ 25,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000035	Jones County Tax Incentive Program	Consider program of tax incentives for development of low-hazard land parcels.	07000085	Jones	Many	Many	Other	932.9	Riverine	Jones	Jones	No	\$ 25,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals



FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	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 Rec. (Y/N)	Reason for Rec.
072000036	Kent County NFIP Cross Train Program	Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program.	07000081, 07000082	Kent	Many	Many	Regulatory and Guidance	888.1	Riverine	Kent	Kent	No	\$ 25,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000037	King County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	King	12050007, 12060101	Many	Regulatory and Guidance	911.2	Riverine	King	King	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000038	Knox County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Knox	Many	Many	Regulatory and Guidance	853.3	Riverine	Knox	Knox	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000039	Scurry County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Scurry	Many	Many	Regulatory and Guidance	906.5	Riverine	Scurry	Scurry	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000040	Town of Aspermont NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Stonewall	12050004, 12050007	120500040905, 120500070706, 120500070707	Regulatory and Guidance	2.1	Riverine	Town of Aspermont	Town of Aspermont	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000041	Town of Impact NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Taylor	12060102	120601020711	Regulatory and Guidance	0.1	Riverine	Town of Impact	Town of Impact	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000042	Town of Lockney NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Floyd	11130103, 12050006	111301030203, 120500060306	Regulatory and Guidance	1.5	Playa	Town of Lockney	Town of Lockney	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000043	Town of Rochester NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Haskell	12060101	120601010401	Regulatory and Guidance	0.3	Riverine	Town of Rochester	Town of Rochester	No	\$ 75,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000044	Town of Smyer NFIP Participation	Application to join NFIP or adoption of equivalent standards.	07000081, 07000082	Hockley	12050003	120500030101, 120500030103	Regulatory and Guidance	0.8	Playa	Town of Smyer	Town of Smyer	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000045	Upper Brazos Building Codes Outreach Program	Outreach Program: Encourage communities to adopt current building codes, adopt new construction codes for setting the minimum floor elevation	07000063	All	Many	Many	Education and Outreach	20028.3	Riverine, Urban, Playa	SPAG	SPAG	No	\$ 100,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000046	Upper Brazos Public Awareness Outreach Program	Encourage annual public outreach and education activities to improve awareness of flood hazards, flood planning, and projects associated with emergency response associated with flooding.	07000063	All	Many	Many	Education and Outreach	20028.3	Riverine, Urban, Playa	SPAG	SPAG	No	\$ 100,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	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 Rec. (Y/N)	Reason for Rec.
072000047	Upper Brazos Industry Flood Losses Outreach Program	Encourage best practices to reduce the vulnerability of agriculture, ranching, energy and forestry to flood-related losses through community outreach.	07000051, 07000052	All	Many	Many	Education and Outreach	20028.3	Riverine, Urban, Playa	SPAG	SPAG	No	\$ 100,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000048	Upper Brazos Stormwater Maintenance Outreach Program	Outreach Program: Encourage maintenance programs on storm water infrastructure, Dams, ditches, and channels.	07000063	All	Many	Many	Education and Outreach	20028.3	Riverine, Urban, Playa	SPAG	SPAG	No	\$ 100,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000049	Upper Brazos Warning System Outreach Program	Basin wide Study Program: Reach out to proper authorities with jurisdiction to improve on Warning signs, lights, or systems.	07000063	All	Many	Many	Education and Outreach	20028.3	Riverine, Urban, Playa	SPAG	SPAG	No	\$ 100,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000050	John T. Montford Dam Rehab	Enhance lake capacity and harden dam structure. Placeholder for anticipated construction cost. Detailed costs following FME.	07000032	Garza	12050004	120500040507	Infrastructure Projects	24.7	Riverine	Garza, Lubbock	Garza, Lubbock	No	#####	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000051	Fisher County Flood Protection Dam	Flood protection dams north of Rotan.	07000032	Fisher	12060102	120601020205	Infrastructure Projects	36.0	Riverine	Fisher	Fisher	No	\$ 75,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000052	South Lake Improvements Dam Hardening	Dam hardening.	07000032	Jones	12060103	120601030102	Infrastructure Projects	40.6	Riverine	Jones	Jones	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000053	South Lake Improvements Water Diversion	Water diversion.	07000021, 07000022, 07000041, 07000042	Jones	12060103	120601030102	Infrastructure Projects	0.1	Riverine	Jones	Jones	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000054	Lake Benjamin Improvements	Reinforcement of slopes and dam spillway.	07000032	Knox	12060101	120601010403	Infrastructure Projects	46.9	Riverine	Knox	Knox	No	\$ 500,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000055	Lake Stamford Improvements	Expand spillway.	07000032	Haskell	12060103	120601030208	Infrastructure Projects	45.9	Riverine	Haskell	Haskell	No	\$ 400,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000056	McMillan Dam Warning System	Develop program to enhance and expand existing limited alert system equipment currently in place at McMillan Dam	07000032	Lubbock	12050003	120500030104	Flood Measurement and Warning	0.0	Riverine	Village of Buffalo Springs, Town of Ransom Canyon	Village of Buffalo Springs, Town of Ransom Canyon	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	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 Rec. (Y/N)	Reason for Rec.
072000057	Ransom Canyon Evacuation Route	Develop program as part of the Village's Emergency Operations Plan, to construct an alternate evacuation routes for residents affected by McMillan Dam failure	07000032	Lubbock	12050003	120500030104	Infrastructure Projects	1.0	Riverine, Playa	Town of Ransom Canyon	Town of Ransom Canyon	No	\$ 500,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000058	City of Lubbock Traffic Signal Mitigation	Develop program to replace regulatory and warning traffic signs, install breakaway poles within the City limits, and install pavement markings at intersections and school zones to mitigate flood velocity damage during flooding events.	07000021, 07000022	Lubbock	Many	Many	Infrastructure Projects	123.5	Riverine, Urban, Playa	City of Lubbock	City of Lubbock	No	\$ 300,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000059	McMillan Dam High Risk Repairs	Develop program to make repairs to McMillan Dam as identified as high risk by TCEQ to prevent failure.	07000032	Lubbock	12050003	120500030104	Infrastructure Projects	0.1	Riverine, Playa	Lubbock	Lubbock	No	\$ 58,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000060	Taylor County Gauge/Flood Barrier Program	Develop program to install automated creek rain gauges and automated barriers for flooded roadways.	07000021, 07000022	Taylor	Many	Many	Flood Measurement and Warning	915.6	Riverine	Taylor	Taylor	No	\$ 150,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000061	Nolan County Warning System	Develop program to install county-wide outdoor warning sirens for any emergency of natural and/or man-made hazardous events. The warning sirens would be strategically placed in the following locations within the County: Cities of Sweetwater, Roscoe, Blackwell, Nolan, Maryn	07000021, 07000022, 07000063	Nolan	Many	Many	Flood Measurement and Warning	910.7	Riverine	Nolan	Nolan	No	\$ 375,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000062	Buffalo Springs Lake Warning System	Develop program to install Flood Warning signals - Sponsor Wish List.	07000021	Lubbock	12050003	120500030104	Flood Measurement and Warning	47.5	Riverine, Playa	0	0	No	\$ 50,000	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals
072000063	Dredging Canyon Lakes	Develop program to dredge Canyon Lakes	07000052	Lubbock	12050003	120500030102, 120500020508, 120500011305, 120500030103	Infrastructure Projects	6.3	Riverine, Urban, Playa	City of Lubbock	City of Lubbock	No	#####	0	N/A	No	No	N/A	No	Y	Alignment with Region Goals

RFPG #	Sponsor Entity Name	FMX Type	FMX - Name	RFP FMX ID	Target Year of Implementation	Estimated Costs in Plan			Sponsor Funding		Other Funding Needed	TOTAL
						Non-Construction Costs	Construction Related Costs	Total Estimated Cost	Anticipated Source of Sponsor Funding	To be Financed by sponsor		
<b>7</b>	<b>Archer</b>	<b>FME</b>	<b>Archer County GIS Development</b>	<b>071000084</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Archer</b>	<b>FME</b>	<b>Archer County DCM</b>	<b>071000119</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Archer</b>	<b>FME</b>	<b>Archer County Relocate Critical Facilities High Hazard</b>	<b>071000120</b>	<b>2034</b>	<b>\$2,000,000</b>	<b>\$0</b>	<b>\$2,000,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	Bailey	FME	Bailey County Initial FEMA Mapping	071000001	2034	\$711,000	\$0	\$711,000	TBD	0%	100%	100%
7	Bailey	FME	Bailey County GIS Development	071000085	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Bailey	FME	Bailey County DCM	071000121	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Bailey	FMS	Bailey County NFIP Participation	072000001	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
<b>7</b>	<b>Baylor</b>	<b>FME</b>	<b>Baylor County Initial FEMA Mapping</b>	<b>071000002</b>	<b>2034</b>	<b>\$888,000</b>	<b>\$0</b>	<b>\$888,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Baylor</b>	<b>FME</b>	<b>Baylor County DMP</b>	<b>071000031</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Baylor</b>	<b>FME</b>	<b>Baylor County GIS Development</b>	<b>071000086</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Baylor</b>	<b>FME</b>	<b>Baylor County DCM</b>	<b>071000122</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	Borden	FME	Borden County Initial FEMA Mapping	071000003	2034	\$882,000	\$0	\$882,000	TBD	0%	100%	100%
7	Borden	FME	Borden County GIS Development	071000087	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Borden	FME	Borden County DCM	071000123	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Borden	FMS	Borden County NFIP Participation	072000002	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
<b>7</b>	<b>Buffalo Springs Lake</b>	<b>FME</b>	<b>Buffalo Springs Lake Detailed Study by HUC</b>	<b>071000211</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Buffalo Springs Lake</b>	<b>FMS</b>	<b>Buffalo Springs Lake Warning System</b>	<b>072000062</b>	<b>2034</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Callahan</b>	<b>FME</b>	<b>Callahan County Initial FEMA Mapping</b>	<b>071000004</b>	<b>2034</b>	<b>\$895,000</b>	<b>\$0</b>	<b>\$895,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Callahan</b>	<b>FME</b>	<b>Callahan County DMP</b>	<b>071000032</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Callahan</b>	<b>FME</b>	<b>Callahan County GIS Development</b>	<b>071000088</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Callahan</b>	<b>FME</b>	<b>Callahan County Buyout Program</b>	<b>071000124</b>	<b>2034</b>	<b>\$2,000,000</b>	<b>\$0</b>	<b>\$2,000,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Callahan</b>	<b>FME</b>	<b>Callahan County DCM</b>	<b>071000125</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Callahan</b>	<b>FMS</b>	<b>Callahan County NFIP Coordination Program</b>	<b>072000003</b>	<b>2034</b>	<b>\$25,000</b>	<b>\$0</b>	<b>\$25,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	Castro	FME	Castro County Update FEMA Mapping	071000017	2034	\$870,000	\$0	\$870,000	TBD	0%	100%	100%
7	Castro	FME	Castro County DMP	071000033	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	Castro	FME	Castro County GIS Development	071000089	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Castro	FME	Castro County DCM	071000126	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
<b>7</b>	<b>City of Abilene</b>	<b>FME</b>	<b>City of Abilene Update FEMA Mapping</b>	<b>071000018</b>	<b>2034</b>	<b>\$321,000</b>	<b>\$0</b>	<b>\$321,000</b>	<b>Storm Water Utility Rates</b>	<b>20%</b>	<b>80%</b>	<b>100%</b>
<b>7</b>	<b>City of Abilene</b>	<b>FME</b>	<b>City of Abilene Higher Standards Program</b>	<b>071000127</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>Storm Water Utility Rates</b>	<b>20%</b>	<b>80%</b>	<b>100%</b>
<b>7</b>	<b>City of Abilene</b>	<b>FME</b>	<b>City of Abilene Operations of Lake Abilene</b>	<b>071000207</b>	<b>2034</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$200,000</b>	<b>Storm Water Utility Rates</b>	<b>20%</b>	<b>80%</b>	<b>100%</b>
<b>7</b>	<b>City of Abilene</b>	<b>FME</b>	<b>City of Abilene Elm Creek Detention below Southwest Drive</b>	<b>071000208</b>	<b>2034</b>	<b>\$700,000</b>	<b>\$0</b>	<b>\$700,000</b>	<b>Storm Water Utility Rates</b>	<b>20%</b>	<b>80%</b>	<b>100%</b>
<b>7</b>	<b>City of Abilene</b>	<b>FME</b>	<b>City of Abilene Elm Creek Diversion</b>	<b>071000217</b>	<b>2034</b>	<b>\$800,000</b>	<b>\$0</b>	<b>\$800,000</b>	<b>Storm Water Utility Rates</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>City of Abilene</b>	<b>FME</b>	<b>City of Abilene Catclaw Creek From S. 11th to S. 7th Street</b>	<b>071000218</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>Storm Water Utility Rates</b>	<b>20%</b>	<b>80%</b>	<b>100%</b>
<b>7</b>	<b>City of Abilene</b>	<b>FME</b>	<b>City of Abilene Little Elm Creek at S. 7th Street</b>	<b>071000219</b>	<b>2034</b>	<b>\$550,000</b>	<b>\$0</b>	<b>\$550,000</b>	<b>Storm Water Utility Rates</b>	<b>20%</b>	<b>80%</b>	<b>100%</b>
<b>7</b>	<b>City of Abilene</b>	<b>FME</b>	<b>City of Abilene Buttonwillow Creek Crossing</b>	<b>071000220</b>	<b>2034</b>	<b>\$150,000</b>	<b>\$0</b>	<b>\$150,000</b>	<b>Storm Water Utility Rates</b>	<b>20%</b>	<b>80%</b>	<b>100%</b>
<b>7</b>	<b>City of Abilene</b>	<b>FME</b>	<b>City of Abilene Treadway and S. 27th Street</b>	<b>071000221</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>Storm Water Utility Rates</b>	<b>20%</b>	<b>80%</b>	<b>100%</b>
<b>7</b>	<b>City of Abilene</b>	<b>FME</b>	<b>City of Abilene Buttonwillow Upstream Detention</b>	<b>071000222</b>	<b>2034</b>	<b>\$350,000</b>	<b>\$0</b>	<b>\$350,000</b>	<b>Storm Water Utility Rates</b>	<b>20%</b>	<b>80%</b>	<b>100%</b>
<b>7</b>	<b>City of Abilene</b>	<b>FME</b>	<b>City of Abilene Improve Curry Lane Detention Pond</b>	<b>071000223</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>Storm Water Utility Rates</b>	<b>20%</b>	<b>80%</b>	<b>100%</b>
<b>7</b>	<b>City of Abilene</b>	<b>FMP</b>	<b>City of Abilene Downtown Railroad Underpasses</b>	<b>073000006</b>	<b>2034</b>	<b>\$0</b>	<b>\$636,000</b>	<b>\$636,000</b>	<b>Storm Water Utility Rates</b>	<b>20%</b>	<b>80%</b>	<b>100%</b>
<b>7</b>	<b>City of Abilene</b>	<b>FMS</b>	<b>City of Abilene Creek Gauge Program</b>	<b>072000004</b>	<b>2034</b>	<b>\$0</b>	<b>\$175,000</b>	<b>\$175,000</b>	<b>Storm Water Utility Rates</b>	<b>20%</b>	<b>80%</b>	<b>100%</b>
<b>7</b>	<b>City of Abilene</b>	<b>FMS</b>	<b>City of Abilene Turn Around, Don't Drown</b>	<b>72000005</b>	<b>2034</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>Storm Water Utility Rates</b>	<b>20%</b>	<b>80%</b>	<b>100%</b>
7	City of Albany	FME	City of Albany DMP	071000034	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Amherst	FME	City of Amherst DMP	071000035	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Amherst	FMS	City of Amherst NFIP Participation	072000006	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	City of Anson	FME	City of Anson DMP	071000036	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Anson	FMS	City of Anson NFIP Cross Train Program	072000007	2034	\$25,000	\$0	\$25,000	TBD	0%	100%	100%
7	City of Baird	FME	City of Baird Buyout Program	071000128	2034	\$1,000,000	\$0	\$1,000,000	TBD	0%	100%	100%
7	City of Baird	FME	City of Baird Higher Standards Program	071000129	2034	\$25,000	\$0	\$25,000	TBD	0%	100%	100%
<b>7</b>	<b>City of Benjamin</b>	<b>FMS</b>	<b>City of Benjamin NFIP Participation</b>	<b>072000008</b>	<b>2034</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	City of Bovina	FMP	Bovina Buyout Program	073000014	2034	\$550,000	\$0	\$550,000	TBD	0%	100%	100%
7	City of Bovina	FMS	City of Bovina NFIP Participation	072000009	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%

\*Assume 0% funding to be financed by local sponsor and 100% other funding needed (state and federal) when there was no sponsor response.

\*Bolded rows indicate a sponsor response.



RFPG #	Sponsor Entity Name	FMX Type	FMX - Name	RFP FMX ID	Target Year of Implementation	Estimated Costs in Plan			Sponsor Funding		Other Funding Needed	TOTAL
						Non-Construction Costs	Construction Related Costs	Total Estimated Cost	Anticipated Source of Sponsor Funding	To be Financed by sponsor		
7	City of Breckenridge	FME	City of Breckenridge Buyout Program	071000130	2034	\$1,000,000	\$0	\$1,000,000	TBD	0%	100%	100%
7	City of Breckenridge	FME	City of Breckenridge Floodplain Open Space Program	071000131	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	City of Breckenridge	FME	City of Breckenridge New Ordinance - Detention	071000132	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	City of Clyde	FME	City of Clyde DMP	071000037	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Clyde	FME	City of Clyde Flood Protection Lift Station Program	071000133	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	City of Clyde	FME	City of Clyde Floodplain Open Space Program	071000134	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	City of Clyde	FME	City of Clyde Higher Standards Program	071000135	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	City of Clyde	FMS	City of Clyde Stream Restoration Program	072000010	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Dickens	FMS	City of Dickens NFIP Participation	072000011	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	City of Earth	FME	City of Earth DMP	071000038	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Edmonson	FMS	City of Edmonson NFIP Participation	072000012	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	City of Goree	FMS	City of Goree NFIP Participation	072000013	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
<b>7</b>	<b>City of Hale Center</b>	<b>FMS</b>	<b>City of Hale Center NFIP Participation</b>	<b>072000014</b>	<b>2034</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>City of Hamlin</b>	<b>FME</b>	<b>City of Hamlin DMP</b>	<b>071000039</b>	<b>2034</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$250,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>City of Hamlin</b>	<b>FME</b>	<b>City of Hamlin Buyout Program</b>	<b>071000136</b>	<b>2034</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$1,000,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>City of Hamlin</b>	<b>FME</b>	<b>City of Hamlin Floodplain Open Space Program</b>	<b>071000137</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>City of Hamlin</b>	<b>FME</b>	<b>City of Hamlin Floodproof Sewage Plant Program</b>	<b>071000138</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>City of Hamlin</b>	<b>FME</b>	<b>City of Hamlin Higher Standards Program</b>	<b>071000139</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	City of Haskell	FME	City of Haskell Relocate Critical Facilities High Hazard	071000140	2034	\$1,000,000	\$0	\$1,000,000	TBD	0%	100%	100%
<b>7</b>	<b>City of Idalou</b>	<b>FME</b>	<b>Idalou Playa Lake Improvements</b>	<b>071000209</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	City of Jayton	FMS	City of Jayton NFIP Participation	072000015	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
<b>7</b>	<b>City of Levelland</b>	<b>FME</b>	<b>City of Levelland DCM</b>	<b>071000141</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>10%</b>	<b>90%</b>	<b>100%</b>
<b>7</b>	<b>City of Levelland</b>	<b>FMS</b>	<b>City of Levelland Turn Around, Don't Drown</b>	<b>072000016</b>	<b>2034</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>TBD</b>	<b>10%</b>	<b>90%</b>	<b>100%</b>
<b>7</b>	<b>City of Littlefield</b>	<b>FME</b>	<b>City of Littlefield DMP</b>	<b>071000040</b>	<b>2034</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$250,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>City of Lubbock</b>	<b>FME</b>	<b>City of Lubbock 4th St &amp; Elkhard CIP</b>	<b>071000224</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>Storm Water Utility Fees</b>	<b>25%</b>	<b>75%</b>	<b>100%</b>
<b>7</b>	<b>City of Lubbock</b>	<b>FME</b>	<b>City of Lubbock 34th St CIP</b>	<b>071000210</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>Storm Water Utility Fees</b>	<b>25%</b>	<b>75%</b>	<b>100%</b>
<b>7</b>	<b>City of Lubbock</b>	<b>FME</b>	<b>Clovis and Quaker</b>	<b>071000213</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>Storm Water Utility Fees</b>	<b>25%</b>	<b>75%</b>	<b>100%</b>
<b>7</b>	<b>City of Lubbock</b>	<b>FME</b>	<b>Higginbotham Park</b>	<b>071000214</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>Storm Water Utility Fees</b>	<b>25%</b>	<b>75%</b>	<b>100%</b>
<b>7</b>	<b>City of Lubbock</b>	<b>FME</b>	<b>Mackenzie Park South - Santa Land Rd</b>	<b>071000215</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>Storm Water Utility Fees</b>	<b>25%</b>	<b>75%</b>	<b>100%</b>
<b>7</b>	<b>City of Lubbock</b>	<b>FMP</b>	<b>City of Lubbock: Santa Fe Drive Improvements</b>	<b>073000011</b>	<b>2034</b>	<b>\$0</b>	<b>\$4,500,000</b>	<b>\$4,500,000</b>	<b>Storm Water Utility Fees</b>	<b>25%</b>	<b>75%</b>	<b>100%</b>
<b>7</b>	<b>City of Lubbock</b>	<b>FMS</b>	<b>City of Lubbock Turn Around, Don't Drown</b>	<b>072000017</b>	<b>2034</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>Storm Water Utility Fees</b>	<b>25%</b>	<b>75%</b>	<b>100%</b>
<b>7</b>	<b>City of Lubbock</b>	<b>FMS</b>	<b>City of Lubbock Traffic Signal Mitigation</b>	<b>072000058</b>	<b>2034</b>	<b>\$0</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>Storm Water Utility Fees</b>	<b>25%</b>	<b>75%</b>	<b>100%</b>
<b>7</b>	<b>City of Lubbock</b>	<b>FMS</b>	<b>Dredging Canyon Lakes</b>	<b>072000063</b>	<b>2034</b>	<b>\$250,000</b>	<b>\$2,500,000</b>	<b>\$2,750,000</b>	<b>Storm Water Utility Fees</b>	<b>25%</b>	<b>75%</b>	<b>100%</b>
7	City of Lueders	FMS	City of Lueders NFIP Participation	072000018	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	City of Moran	FME	City of Moran DMP	071000042	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Moran	FME	City of Moran Floodproof Sewage Plant Program	071000142	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	City of Moran	FME	City of Moran New Ordinance - Detention	071000143	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	City of Moran	FMS	City of Moran NFIP Participation	072000019	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	City of Munday	FME	City of Munday DMP	071000043	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Munday	FME	City of Munday Flood Protection Lift Station Program	071000144	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	City of Munday	FMS	City of Munday NFIP Participation	072000020	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
<b>7</b>	<b>City of New Home</b>	<b>FME</b>	<b>City of New Home DMP</b>	<b>071000044</b>	<b>2034</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$250,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	City of Newcastle	FME	City of Newcastle DMP	071000045	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Olton	FME	City of Olton DMP	071000041	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Petersburg	FMS	City of Petersburg NFIP Participation	072000021	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
<b>7</b>	<b>City of Plainview</b>	<b>FMS</b>	<b>City of Plainview Turn Around, Don't Drown</b>	<b>72000022</b>	<b>2034</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>Taxes</b>	<b>20%</b>	<b>80%</b>	<b>100%</b>
<b>7</b>	<b>City of Post</b>	<b>FME</b>	<b>City of Post DMP</b>	<b>071000046</b>	<b>2034</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$250,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	City of Putnam	FMS	City of Putnam NFIP Participation	072000023	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	City of Ralls	FMS	City of Ralls NFIP Participation	072000024	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%

\*Assume 0% funding to be financed by local sponsor and 100% other funding needed (state and federal) when there was no sponsor response.

\*Bolded rows indicate a sponsor response.

RFPG #	Sponsor Entity Name	FMX Type	FMX - Name	RFP FMX ID	Target Year of Implementation	Estimated Costs in Plan			Sponsor Funding		Other Funding Needed	TOTAL
						Non-Construction Costs	Construction Related Costs	Total Estimated Cost	Anticipated Source of Sponsor Funding	To be Financed by sponsor		
7	City of Roby	FMS	City of Roby NFIP Participation	072000025	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	City of Ropesville	FMS	City of Ropesville NFIP Participation	072000026	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	City of Roscoe	FME	City of Roscoe DMP	071000047	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Roscoe	FME	City of Roscoe Floodplain Open Space Program	071000145	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	City of Roscoe	FME	City of Roscoe Floodproof Sewage Plant Program	071000146	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Roscoe	FME	City of Roscoe Higher Standards Program	071000147	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	City of Roscoe	FME	City of Roscoe Relocate Critical Facilities High Hazard	071000148	2034	\$1,000,000	\$0	\$1,000,000	TBD	0%	100%	100%
7	City of Roscoe	FME	City of Roscoe Stream Restoration Program	071000149	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Seymour	FME	City of Seymour DMP	071000048	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Slaton	FME	City of Slaton School Campus Drainage Program	071000151	2034	\$150,000	\$0	\$150,000	TBD	0%	100%	100%
7	City of Springlake	FME	City of Springlake DMP	071000049	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Spur	FME	City of Spur DMP	071000050	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Sudan	FME	City of Sudan DMP	071000051	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Sweetwater	FME	City of Sweetwater DMP	071000052	2034	\$250,000	\$0	\$250,000	TBD	10%	90%	100%
7	City of Sweetwater	FME	City of Sweetwater DCM	071000152	2034	\$100,000	\$0	\$100,000	TBD	10%	90%	100%
7	City of Sweetwater	FMS	City of Sweetwater Turn Around, Don't Drown	072000027	2034	\$50,000	\$0	\$50,000	TBD	10%	90%	100%
7	City of Tahoka	FME	City of Tahoka DMP	071000053	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Tuscola	FME	City of Tuscola DMP	071000054	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Tuscola	FME	City of Tuscola Flood Protection Lift Station Program	071000153	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	City of Tye	FME	City of Tye DMP	071000055	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	City of Tye	FME	City of Tye Buyout Program	071000154	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	City of Tye	FME	City of Tye Floodplain Open Space Program	071000155	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	City of Weinert	FMS	City of Weinert NFIP Participation	072000028	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	<b>City of Wilson</b>	<b>FME</b>	<b>City of Wilson DMP</b>	<b>071000056</b>	<b>2034</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$250,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>City of Wolfforth</b>	<b>FME</b>	<b>City of Wolfforth Higher Standards Program</b>	<b>071000156</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Cochran</b>	<b>FME</b>	<b>Cochran County Initial FEMA Mapping</b>	<b>071000005</b>	<b>2034</b>	<b>\$671,000</b>	<b>\$0</b>	<b>\$671,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Cochran</b>	<b>FME</b>	<b>Cochran County DMP</b>	<b>071000057</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Cochran</b>	<b>FME</b>	<b>Cochran County GIS Development</b>	<b>071000090</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Cochran</b>	<b>FME</b>	<b>Cochran County DCM</b>	<b>071000157</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Crosby</b>	<b>FME</b>	<b>Crosby County Initial FEMA Mapping</b>	<b>071000006</b>	<b>2034</b>	<b>\$834,000</b>	<b>\$0</b>	<b>\$834,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Crosby</b>	<b>FME</b>	<b>Crosby County GIS Development</b>	<b>071000091</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Crosby</b>	<b>FME</b>	<b>Crosby County DCM</b>	<b>071000158</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Crosby</b>	<b>FMS</b>	<b>Crosby County NFIP Participation</b>	<b>072000029</b>	<b>2034</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Dawson</b>	<b>FME</b>	<b>Dawson County GIS Development</b>	<b>071000092</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Dawson</b>	<b>FME</b>	<b>Dawson County DCM</b>	<b>071000159</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Dawson</b>	<b>FMS</b>	<b>Dawson County NFIP Participation</b>	<b>072000030</b>	<b>2034</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Dickens</b>	<b>FME</b>	<b>Dickens County Initial FEMA Mapping</b>	<b>071000007</b>	<b>2034</b>	<b>\$919,000</b>	<b>\$0</b>	<b>\$919,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Dickens</b>	<b>FME</b>	<b>Dickens County DMP</b>	<b>071000058</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Dickens</b>	<b>FME</b>	<b>Dickens County GIS Development</b>	<b>071000093</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Dickens</b>	<b>FME</b>	<b>Dickens County DCM</b>	<b>071000160</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Eastland</b>	<b>FME</b>	<b>Eastland County Update FEMA Mapping</b>	<b>071000019</b>	<b>2034</b>	<b>\$327,000</b>	<b>\$0</b>	<b>\$327,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Eastland</b>	<b>FME</b>	<b>Eastland County GIS Development</b>	<b>071000094</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Eastland</b>	<b>FME</b>	<b>Eastland County DCM</b>	<b>071000161</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Fisher</b>	<b>FME</b>	<b>Fisher County Initial FEMA Mapping</b>	<b>071000008</b>	<b>2034</b>	<b>\$859,000</b>	<b>\$0</b>	<b>\$859,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Fisher</b>	<b>FME</b>	<b>Fisher County DMP</b>	<b>071000059</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Fisher</b>	<b>FME</b>	<b>Fisher County GIS Development</b>	<b>071000095</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Fisher</b>	<b>FME</b>	<b>City of Rotan Higher Standards Program</b>	<b>071000150</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Fisher</b>	<b>FME</b>	<b>Fisher County DCM</b>	<b>071000162</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	<b>Fisher</b>	<b>FMS</b>	<b>Fisher County NFIP Participation</b>	<b>072000031</b>	<b>2034</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>

\*Assume 0% funding to be financed by local sponsor and 100% other funding needed (state and federal) when there was no sponsor response.

\*Bolded rows indicate a sponsor response.



RFPG #	Sponsor Entity Name	FMX Type	FMX - Name	RFP FMX ID	Target Year of Implementation	Estimated Costs in Plan			Sponsor Funding		Other Funding Needed	TOTAL
						Non-Construction Costs	Construction Related Costs	Total Estimated Cost	Anticipated Source of Sponsor Funding	To be Financed by sponsor		
7	Fisher	FMS	Fisher County Flood Protection Dam	072000051	2034	\$75,000	\$0	\$75,000	TBD	0%	100%	100%
7	Floyd	FME	Floyd County Update FEMA Mapping	071000020	2034	\$1,116,000	\$0	\$1,116,000	TBD	0%	100%	100%
7	Floyd	FME	Floyd County GIS Development	071000096	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Floyd	FME	Floyd County DCM	071000163	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Floyd	FMS	Floyd County NFIP Participation	072000032	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	Garza	FME	Garza County Initial FEMA Mapping	071000009	2034	\$882,000	\$0	\$882,000	TBD	0%	100%	100%
7	Garza	FME	Garza County DMP	071000060	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	Garza	FME	Garza County GIS Development	071000097	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Garza	FME	Garza County DCM	071000164	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Garza	FMS	Garza County NFIP Participation	072000033	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	Garza, Lubbock	FMS	John T. Montford Dam Rehab	072000050	2034	\$450,000	\$4,500,000	\$4,950,000	Taxes	10%	90%	100%
7	Hale	FME	Hale County DCM	071000165	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Haskell	FME	Haskell County Update FEMA Mapping	071000021	2034	\$1,024,000	\$0	\$1,024,000	Disaster and Local Funds	10%	90%	100%
7	Haskell	FME	Haskell County DMP	071000061	2034	\$500,000	\$0	\$500,000	Disaster and Local Funds	10%	90%	100%
7	Haskell	FME	Haskell County GIS Development	071000098	2034	\$100,000	\$0	\$100,000	Disaster and Local Funds	20%	80%	100%
7	Haskell	FME	Haskell County DCM	071000166	2034	\$100,000	\$0	\$100,000	Disaster and Local Funds	20%	80%	100%
7	Haskell	FME	Town of Rochester Relocate Critical Facilities High Hazard	071000200	2034	\$100,000	\$0	\$100,000	Disaster and Local Funds	20%	80%	100%
7	Haskell	FME	Town of Rule Stream Restoration Program	071000201	2034	\$250,000	\$0	\$250,000	Disaster and Local Funds	20%	80%	100%
7	Haskell	FMS	Haskell County NFIP Cross Train Program	072000034	2034	\$25,000	\$0	\$25,000	Disaster and Local Funds	20%	80%	100%
7	Haskell	FMS	Lake Stamford Improvements	072000055	2034	\$400,000	\$0	\$400,000	Disaster and Local Funds	20%	80%	100%
7	Hockley	FME	Hockley County GIS Development	071000099	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Hockley	FME	Hockley County DCM	071000167	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Hockley	FME	CRP Grass Flood Area	071000216	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Hockley	FME	Hockley County Update FEMA Mapping	071000022	2034	\$987,000	\$0	\$987,000	TBD	0%	100%	100%
7	Jones	FME	Jones County DMP	071000062	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	Jones	FME	Jones County DCM	071000168	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Jones	FME	Hamlin Dam Improvements	071000225	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Jones	FME	Hamlin South Lake Dam Diversion	071000226	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	Jones	FMS	Jones County Tax Incentive Program	072000035	2034	\$25,000	\$0	\$25,000	TBD	0%	100%	100%
7	Jones	FMS	South Lake Improvements Dam Hardening	072000052	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	Jones	FMS	South Lake Improvements Water Diversion	072000053	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	Kent	FME	Kent County Initial FEMA Mapping	071000010	2034	\$965,000	\$0	\$965,000	TBD	0%	100%	100%
7	Kent	FME	Kent County DMP	071000063	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	Kent	FME	Kent County GIS Development	071000100	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Kent	FME	Kent County DCM	071000169	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Kent	FME	Kent Flood Protection Lift Station Program	071000170	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Kent	FMS	Kent County NFIP Cross Train Program	072000036	2034	\$25,000	\$0	\$25,000	TBD	0%	100%	100%
7	King	FME	King County Initial FEMA Mapping	071000011	2034	\$954,000	\$0	\$954,000	TBD	0%	100%	100%
7	King	FME	King County GIS Development	071000101	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	King	FME	King County DCM	071000171	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	King	FMS	King County NFIP Participation	072000037	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	Knox	FME	Knox County Initial FEMA Mapping	071000012	2034	\$871,000	\$0	\$871,000	TBD	0%	100%	100%
7	Knox	FME	Knox County DMP	071000064	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	Knox	FME	Knox County GIS Development	071000102	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Knox	FME	Lake Benjamin Dam Evaluation	071000116	2034	\$58,000	\$0	\$58,000	TBD	0%	100%	100%
7	Knox	FME	Knox County DCM	071000172	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Knox	FME	Knox County Relocate Critical Facilities High Hazard	071000173	2034	\$2,000,000	\$0	\$2,000,000	TBD	0%	100%	100%
7	Knox	FME	Knox County Tax Incentive Program	071000174	2034	\$25,000	\$0	\$25,000	TBD	0%	100%	100%
7	Knox	FME	Knox Flood Protection Lift Station Program	071000175	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%

\*Assume 0% funding to be financed by local sponsor and 100% other funding needed (state and federal) when there was no sponsor response.

\*Bolded rows indicate a sponsor response.

RFPG #	Sponsor Entity Name	FMX Type	FMX - Name	RFP FMX ID	Target Year of Implementation	Estimated Costs in Plan			Sponsor Funding		Other Funding Needed	TOTAL
						Non-Construction Costs	Construction Related Costs	Total Estimated Cost	Anticipated Source of Sponsor Funding	To be Financed by sponsor		
<b>7</b>	<b>Knox</b>	<b>FMS</b>	<b>Knox County NFIP Participation</b>	<b>072000038</b>	<b>2034</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Knox</b>	<b>FMS</b>	<b>Lake Benjamin Improvements</b>	<b>072000054</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	Knox City	FME	Canal Street Study	071000117	2034	\$260,000	\$0	\$260,000	TBD	0%	100%	100%
<b>7</b>	<b>Lamb</b>	<b>FME</b>	<b>Lamb County Initial FEMA Mapping</b>	<b>071000013</b>	<b>2034</b>	<b>\$890,000</b>	<b>\$0</b>	<b>\$890,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Lamb</b>	<b>FME</b>	<b>Lamb County DMP</b>	<b>071000065</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Lamb</b>	<b>FME</b>	<b>Lamb County GIS Development</b>	<b>071000103</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Lamb</b>	<b>FME</b>	<b>Lamb County DCM</b>	<b>071000176</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Lubbock</b>	<b>FME</b>	<b>John Montford Dam Evaluation</b>	<b>071000118</b>	<b>2034</b>	<b>\$417,000</b>	<b>\$0</b>	<b>\$417,000</b>	<b>Taxes</b>	<b>10%</b>	<b>90%</b>	<b>100%</b>
<b>7</b>	<b>Lubbock</b>	<b>FME</b>	<b>Lubbock County DCM</b>	<b>071000177</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>Taxes</b>	<b>10%</b>	<b>90%</b>	<b>100%</b>
<b>7</b>	<b>Lubbock</b>	<b>FME</b>	<b>Lubbock County Floodplain Open Space Program</b>	<b>071000178</b>	<b>2034</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$1,000,000</b>	<b>Taxes</b>	<b>10%</b>	<b>90%</b>	<b>100%</b>
<b>7</b>	<b>Lubbock</b>	<b>FME</b>	<b>Lubbock County Floodplain Open Space Program</b>	<b>071000212</b>	<b>2034</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$1,000,000</b>	<b>Taxes</b>	<b>10%</b>	<b>90%</b>	<b>100%</b>
<b>7</b>	<b>Lubbock</b>	<b>FMS</b>	<b>McMillian Dam High Risk Repairs</b>	<b>072000059</b>	<b>2034</b>	<b>\$58,000</b>	<b>\$0</b>	<b>\$58,000</b>	<b>Taxes</b>	<b>10%</b>	<b>90%</b>	<b>100%</b>
<b>7</b>	<b>Lynn</b>	<b>FME</b>	<b>Lynn County Initial FEMA Mapping</b>	<b>071000014</b>	<b>2034</b>	<b>\$778,000</b>	<b>\$0</b>	<b>\$778,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Lynn</b>	<b>FME</b>	<b>Lynn County DMP</b>	<b>071000066</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Lynn</b>	<b>FME</b>	<b>Lynn County GIS Development</b>	<b>071000104</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Lynn</b>	<b>FME</b>	<b>Lynn County DCM</b>	<b>071000179</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	Mitchell	FME	Mitchell County Update FEMA Mapping	071000023	2034	\$926,000	\$0	\$926,000	TBD	0%	100%	100%
7	Mitchell	FME	Mitchell County DMP	071000067	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	Mitchell	FME	Mitchell County GIS Development	071000105	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Mitchell	FME	Mitchell County DCM	071000180	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Nolan	FME	Nolan County Update FEMA Mapping	071000024	2034	\$920,000	\$0	\$920,000	TBD	0%	100%	100%
7	Nolan	FME	Nolan County DMP	071000068	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	Nolan	FME	Nolan County GIS Development	071000106	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Nolan	FME	Nolan County Buyout Program	071000181	2034	\$1,000,000	\$0	\$1,000,000	TBD	0%	100%	100%
7	Nolan	FME	Nolan County DCM	071000182	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Nolan	FME	Nolan County Floodplain Open Space Program	071000183	2034	\$1,000,000	\$0	\$1,000,000	TBD	0%	100%	100%
7	Nolan	FMS	Nolan County Warning System	072000061	2034	\$375,000	\$0	\$375,000	TBD	0%	100%	100%
<b>7</b>	<b>Parmer</b>	<b>FME</b>	<b>Parmer County Initial FEMA Mapping</b>	<b>071000015</b>	<b>2034</b>	<b>\$787,000</b>	<b>\$0</b>	<b>\$787,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Parmer</b>	<b>FME</b>	<b>Parmer County DMP</b>	<b>071000069</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Parmer</b>	<b>FME</b>	<b>Parmer County GIS Development</b>	<b>071000107</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Parmer</b>	<b>FME</b>	<b>Parmer County DCM</b>	<b>071000184</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	Scurry	FME	Scurry County Update FEMA Mapping	071000025	2034	\$897,000	\$0	\$897,000	TBD	0%	100%	100%
7	Scurry	FME	Scurry County DMP	071000070	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	Scurry	FME	Scurry County GIS Development	071000108	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Scurry	FME	Scurry County DCM	071000185	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Scurry	FME	Scurry County Relocate Critical Facilities High Hazard	071000186	2034	\$2,000,000	\$0	\$2,000,000	TBD	0%	100%	100%
7	Scurry	FMS	Scurry County NFIP Participation	072000039	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
<b>7</b>	<b>Shackelford</b>	<b>FME</b>	<b>Shackelford County Update FEMA Mapping</b>	<b>071000026</b>	<b>2034</b>	<b>\$932,000</b>	<b>\$0</b>	<b>\$932,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Shackelford</b>	<b>FME</b>	<b>Shackelford County DMP</b>	<b>071000071</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Shackelford</b>	<b>FME</b>	<b>Shackelford County GIS Development</b>	<b>071000109</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Shackelford</b>	<b>FME</b>	<b>Shackelford County DCM</b>	<b>071000187</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	SPAG	FME	Upper Brazos Dam Inventory Evaluation	071000204	2034	\$750,000	\$0	\$750,000	TBD	0%	100%	100%
7	SPAG	FME	Upper Brazos Industry Flood Losses Inventory Evaluation	071000205	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	SPAG	FMS	Upper Brazos Building Codes Outreach Program	072000045	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	SPAG	FMS	Upper Brazos Public Awareness Outreach Program	072000046	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	SPAG	FMS	Upper Brazos Industry Flood Losses Outreach Program	072000047	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	SPAG	FMS	Upper Brazos Stormwater Maintenance Outreach Program	072000048	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	SPAG	FMS	Upper Brazos Warning System Outreach Program	072000049	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Stephens	FME	Stephens County Update FEMA Mapping	071000027	2034	\$920,000	\$0	\$920,000	TBD	0%	100%	100%

\*Assume 0% funding to be financed by local sponsor and 100% other funding needed (state and federal) when there was no sponsor response.

\*Bolded rows indicate a sponsor response.

RFPG #	Sponsor Entity Name	FMX Type	FMX - Name	RFP FMX ID	Target Year of Implementation	Estimated Costs in Plan			Sponsor Funding		Other Funding Needed	TOTAL
						Non-Construction Costs	Construction Related Costs	Total Estimated Cost	Anticipated Source of Sponsor Funding	To be Financed by sponsor		
7	Stephens	FME	Stephens County DMP	071000072	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	Stephens	FME	Stephens County GIS Development	071000110	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Stephens	FME	Stephens County Buyout Program	071000188	2034	\$1,000,000	\$0	\$1,000,000	TBD	0%	100%	100%
7	Stephens	FME	Stephens County DCM	071000189	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Stephens	FME	Stephens County Stream Restoration Program	071000190	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	Stephens	FME	Stephens Flood Protection Lift Station Program	071000191	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
<b>7</b>	<b>Stonewall</b>	<b>FME</b>	<b>Stonewall County Initial FEMA Mapping</b>	<b>071000016</b>	<b>2034</b>	<b>\$893,000</b>	<b>\$0</b>	<b>\$893,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Stonewall</b>	<b>FME</b>	<b>Stonewall County DMP</b>	<b>071000073</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Stonewall</b>	<b>FME</b>	<b>Stonewall County GIS Development</b>	<b>071000111</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Stonewall</b>	<b>FME</b>	<b>Stonewall County DCM</b>	<b>071000192</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Stonewall</b>	<b>FME</b>	<b>Stonewall County Stream Restoration Program</b>	<b>071000193</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	Swisher	FME	Swisher County Update FEMA Mapping	071000028	2034	\$920,000	\$0	\$920,000	TBD	0%	100%	100%
7	Swisher	FME	Swisher County DMP	071000074	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	Swisher	FME	Swisher County GIS Development	071000112	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Swisher	FME	Swisher County DCM	071000194	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Taylor	FME	Taylor County DMP	071000075	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	Taylor	FME	Taylor County GIS Development	071000113	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Taylor	FME	Taylor County Dam Inspection Program	071000195	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Taylor	FME	Taylor County DCM	071000196	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Taylor	FME	Taylor County Stream Restoration Program	071000197	2034	\$500,000	\$0	\$500,000	TBD	0%	100%	100%
7	Taylor	FMS	Taylor County Gauge/Flood Barrier Program	072000060	2034	\$0	\$150,000	\$150,000	TBD	0%	100%	100%
7	Terry	FME	Terry County Update FEMA Mapping	071000029	2034	\$1,010,000	\$0	\$1,010,000	TBD	0%	100%	100%
7	Terry	FME	Terry County GIS Development	071000114	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
7	Terry	FME	Terry County DCM	071000198	2034	\$100,000	\$0	\$100,000	TBD	0%	100%	100%
<b>7</b>	<b>Throckmorton</b>	<b>FME</b>	<b>Throckmorton County Update FEMA Mapping</b>	<b>071000030</b>	<b>2034</b>	<b>\$1,010,000</b>	<b>\$0</b>	<b>\$1,010,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Throckmorton</b>	<b>FME</b>	<b>Throckmorton County DMP</b>	<b>071000076</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Throckmorton</b>	<b>FME</b>	<b>Throckmorton County GIS Development</b>	<b>071000115</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Throckmorton</b>	<b>FME</b>	<b>Throckmorton County DCM</b>	<b>071000199</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Throckmorton</b>	<b>FME</b>	<b>Town of Throckmorton Relocate Critical Facilities High Hazard</b>	<b>071000202</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Throckmorton</b>	<b>FME</b>	<b>Town of Woodson Stream Restoration Program</b>	<b>071000203</b>	<b>2034</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$250,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	Town of Aspermont	FME	Town of Aspermont DMP	071000077	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	Town of Aspermont	FMS	Town of Aspermont NFIP Participation	072000040	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	Town of Buffalo Gap	FME	Town of Buffalo Gap DMP	071000078	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	Town of Impact	FMS	Town of Impact NFIP Participation	072000041	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	Town of Lockney	FMS	Town of Lockney NFIP Participation	072000042	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	Town of Megargel	FME	Town of Megargel DMP	071000079	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
<b>7</b>	<b>Town of Ransom Canyon</b>	<b>FMS</b>	<b>Ransom Canyon Evacuation Route</b>	<b>072000057</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
7	Town of Rochester	FME	Town of Rochester DMP	071000080	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	Town of Rochester	FMS	Town of Rochester NFIP Participation	072000043	2034	\$75,000	\$0	\$75,000	TBD	0%	100%	100%
7	Town of Rule	FME	Town of Rule DMP	071000081	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
7	Town of Smyer	FMS	Town of Smyer NFIP Participation	072000044	2034	\$50,000	\$0	\$50,000	TBD	0%	100%	100%
7	Town of Woodson	FME	Town of Woodson DMP	071000082	2034	\$250,000	\$0	\$250,000	TBD	0%	100%	100%
<b>7</b>	<b>Village of Buffalo Springs, Ransom Canyon</b>	<b>FMS</b>	<b>McMillan Dam Warning System</b>	<b>072000056</b>	<b>2034</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Young</b>	<b>FME</b>	<b>Young County DMP</b>	<b>071000083</b>	<b>2034</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$500,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>
<b>7</b>	<b>Young</b>	<b>FME</b>	<b>Young County DCM</b>	<b>071000206</b>	<b>2034</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>TBD</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>

\*Assume 0% funding to be financed by local sponsor and 100% other funding needed (state and federal) when there was no sponsor response.

\*Bolded rows indicate a sponsor response.

List of Available Models

Model ID	RFPG No.	RFPG Name	Model Name	Description (including stream name)	Model/ Study Type <sup>1</sup>	Model Software <sup>2</sup>	Software Version	Study/ Model Last Update <sup>3</sup>	Study/ Model Created <sup>3</sup>	Study/ Model Extents <sup>4</sup>	Model/ Study Sponsor <sup>5</sup>	Study/ Model Conditions <sup>6</sup>	Steady or 1D Unsteady or 2D Unsteady (Hydraulic Model only)	Frequencies Studied/ Modeled <sup>7</sup>	How Was Study Used in RFP? <sup>8</sup>	Model/ Study Source Link	Status of Study/ Model <sup>9</sup>
70000000001	07	Upper Brazos	Upper Clear Fork Brazos BLE	Upper Clear Fork Brazos HUC8	Hydraulic	HEC-RAS	v4.1	3/1/2017		Watershed	FEMA	Existing	1D	10%, 4%, 2%, 1%, 0.2%	Needs Analysis	<a href="#">FEMA's Estimated Base Flood Elevation (BFE)</a>	Complete BLE
70000000002	07	Upper Brazos	System C Models	City of Lubbock Playa System C Watershed	Hydraulic	ICPR	v3	1/1/2020		Watershed	City of Lubbock	Existing	Unsteady	10%, 4%, 2%, 1%, 0.2%	Needs Analysis		Complete Local Study
70000000003	07	Upper Brazos	Lubbock MDP Models	City of Lubbock Master Drainage Plan Playa Modeling	Hydraulic	ICPR	v4.07.01	1/1/2020		City	City of Lubbock	Both	Unsteady	10%, 4%, 2%, 1%, 0.2%	Needs Analysis		Complete Local Study
70000000004	07	Upper Brazos	McAlister LOMR	Playa System E4A, E4B, and E9	Hydraulic	ICPR	v3	12/7/2021		Watershed	City of Lubbock	Existing	Unsteady	10%, 2%, 1%, 0.2%	Needs Analysis		Complete LOMR
70000000005	07	Upper Brazos	Abilene Models	City of Abilene Master Drainage Plan	Hydraulic	HEC-RAS	v4.0	1/1/2020		Watershed	City of Abilene	Existing	1D	10%, 2%, 1%, 0.2%	Needs Analysis		Complete Local Study
70000000006	07	Upper Brazos	NWLDIP	Santa Fe Drive Improvements	Hydraulic	ICPR	v4.07.01	2/3/2021		Watershed	City of Lubbock	Existing	1D	10%, 2%, 1%, 0.2%	FMP Analysis		Complete Local Study

Key

1: Hydraulic, Hydrologic, Coastal, Combined Riverine-Coastal, 2D, Risk Assessment, Economics/BCA, Other, Unknown

2: HEC-RAS, HEC-HMS, HEC-GeoHMS, HEC-WAT, HEC-EFM, HEC-MetVue, HEC-SSP, RiverWare, Infoworks ICM, SWMM, InfoSWMM, XPSWMM, XPStorm, ICPR, OpenFlows StormCAD, OpenFlows CivilStorm, OpenFlows FLOOD, OpenFlows CulvertMaster, ADCIRC, WHAFIS, SWAN, MIKE 21, FEMA Hazus, FEMA BCA, HEC-FDA, HEC-FIA, Hydro-CAD, HY-8 Culvert, Delft3D, SWAT, PRMS, WRAP, Other, Unknown

3: Please note with FEMA studies the model completion date is different from the FIS date

4: City, County, Stream, Watershed, or Other

5: Sponsors could include FEMA, TWDB, GLO, City, County, Developer, etc.

6: Study Conditions would be Existing, Future, or Both

4: HEC-RAS (with version if possible), HEC-HMS (with version if possible), ICM, StormCAD, XP Storm, XPSWMM, and others

7: 10%, 4%, 2%, 1%, 0.2%, 50% AC, 1%AC, etc.

8: Not used, FME/FMP/FMS analysis, Needs analysis , etc.

9: ongoing, complete, FIS, FIS in progress, competed LOMC, LOMC in progress, LOMC to be pursued, local study, etc.

## APPENDIX C - ADDITIONAL DATA

Task 2 Future Conditions Approach Memo March 2, 2022  
Task 2 Future Conditions Approach Map  
Task 3 Menti Poll Results August 19, 2021  
Task 4B Process Memo for Identification and Evaluation of FME FMP FMS  
Task 4C Tech Memorandum January 2022  
Task 4C Tech Memorandum Supplement March 2022  
Task 5 Benefit Cost Ratio Calculations  
Task 5 FME One Page Summary Sheets  
Task 5 FMP One Page Summary Sheets  
Task 5 FMS One Page Summary Sheets  
Task 10 SPAG Stakeholder Introduction Letter  
Task 10 Upper Brazos Community Officials Web Survey  
Task 10 Upper Brazos Public Comment Web Map Capture  
Task 10 Upper Brazos Data Collection Website Capture  
Task 10 Upper Brazos Outreach Web Map Capture

FINAL JANUARY 10, 2023

## **APPENDIX C - ADDITIONAL DATA**

TASK 2 FUTURE CONDITIONS APPROACH MEMO MARCH 2, 2022



## 2023 REGIONAL FLOOD PLAN – REGION 7: UPPER BRAZOS

### MEMORANDUM

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**TO:** Texas Water Development Board  
Regional Flood Planning  
1700 N Congress Ave  
Austin, TX 78701

**DATE:** March 2, 2022

**FROM:** Upper Brazos Regional Technical Consultant Team  
Freese and Nichols, Inc.  
1500 Broadway, Suite 1150  
Lubbock, Texas 79401

**AVO:** 43793.001

**SUBJECT:** Flood Planning Data - Future Conditions Mapping Approach

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For the 2020 – 2023 planning cycle, Regional Flood Planning Groups (RFPGs) are tasked with performing a future condition flood evaluation to determine the potential location of both 1-percent (100-year) and 0.2-percent (500-year) annual-chance flood hazard. The estimated floodplain changes will be used solely for the purpose of estimating the general magnitude of potential future increases in flood risk under the equivalent of a “do-nothing” or “no-action” alternative. The projected future floodplain extents within the regional flood planning context will not, in any way, be used for developing new flood extent maps for any regulatory purposes.

In areas where future condition flood hazard data is not already available, Exhibit C of the Technical Guidelines for Regional Flood Planning outlines the following 4 methods for performing future condition flood identification.

1. Method 1: Increase floodplain extents based on projected population increase (as proxy for development of land areas)
2. Method 2: Utilize the existing condition 0.2-percent annual chance floodplain as a proxy for the future 1-percent annual chance floodplain
3. Method 3: Combination of methods 1 and 2 or an RFPG-proposed method
4. Method 4: Request TWDB for a Desktop Analysis

The Upper Brazos Regional Flood Planning Group were presented options from the 4 methods and selected two unique approaches for future conditions flood analysis for the two topographic regions found in the basin. The following summarizes the direction of the Regional Flood Planning Group:

- The RFPG selected two unique approaches to the future conditions flood analysis to account for the varied topographic difference on and off the Caprock.
- The RFPG selected to maintain the existing 100- and 500-year flood extents for the approximation of future risk on the Caprock.
- The RFPG selected an off Caprock approach approximating the potential future 100-year flood extent be approximated as a range of the existing 100-year as a minimum and existing 500-year as a maximum. The RFPG selected holding the existing 500-year flood extent as the future 500-year flood extent until further studies are available in the Region.
- The RFPG have also expressed concerns regarding the public perception of the potentially larger future flood risk extents and the possibility of these flood risk areas being used for regulatory purposes. Both of these concerns have been addressed by the Technical Consultant.

The Upper Brazos Region Technical Consultant Team is asking that the methods selected by Upper Brazos Regional Flood Planning Group be evaluated for approval to supplement future conditions mapping where data is unavailable. The following memorandum documents the decision process for the selected approaches.

## CONSIDERATIONS FOR DEVELOPING FUTURE CONDITIONS FLOOD RISK

The Upper Brazos Region features distinct topographic changes from the Llano Estacado Plateau (Caprock) to the Rolling Hills. The Caprock consists of shallower slopes and naturally occurring playa lakes which provide storage during flood events. When developing a predicative assessment for potential future conditions flood risk, the Texas Water Development Board (TWDB) also suggested each region consider the effects of unmitigated population increase and projected future rainfall due to climate change.

### Varied Regional Topography

The Upper Brazos watershed spans across two natural regions of Texas. The watershed begins in the High Plains of Texas until it transitions into the Rolling Plains of Texas. The High Plains region consists of flat grasslands spanning the Caprock to the escarpment where the topography transitions from the level High Plains to the lower terrain of the Rolling Plains. The Rolling Plains are more riverine in nature with defined channels and slopes, differing greatly from the Caprock. This transition can be seen in the regional topographic map shown in **Figure 1** in this section. To account for the regional topographic variations, different approaches are considered when evaluating potential future conditions for communities on the Caprock and off the Caprock. These differences are outlined and defined in this memo.

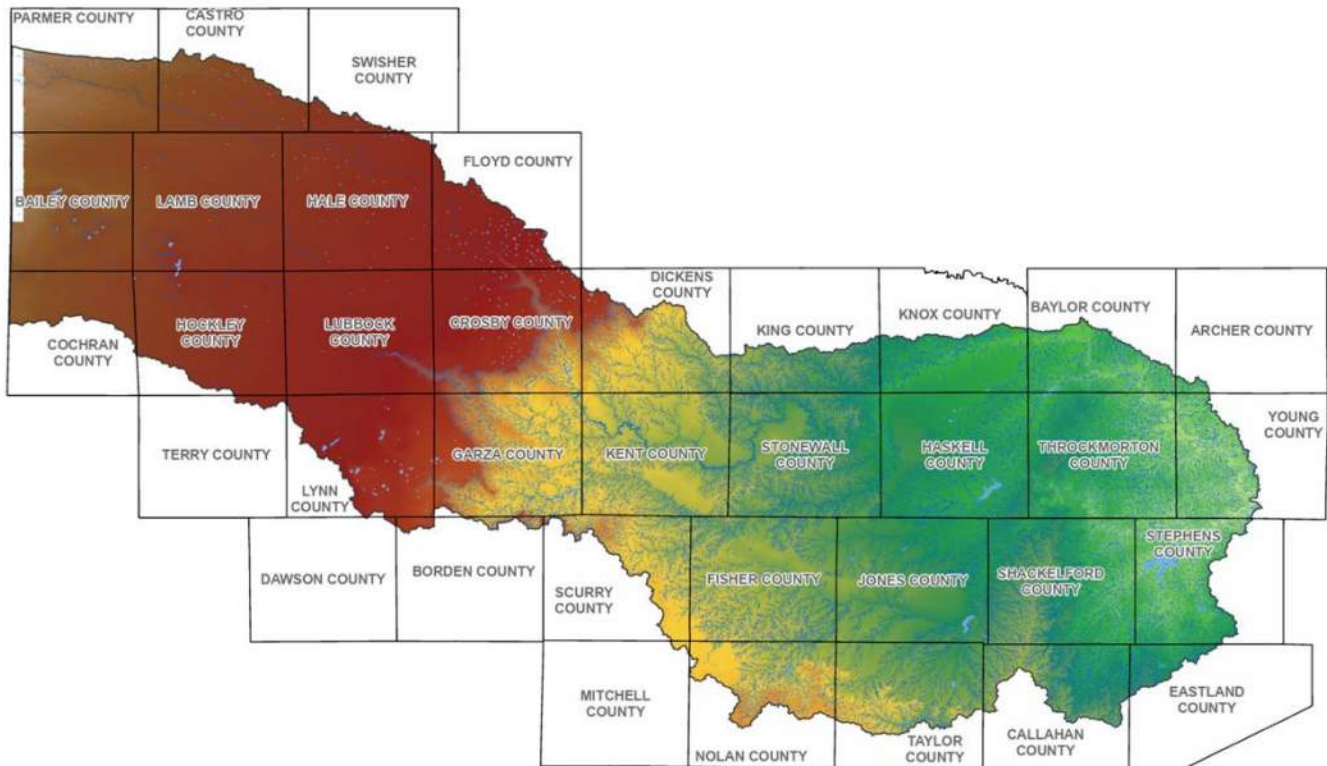


Figure 1: Upper Brazos Topographic Map

Due to the flat nature of the High Plains, runoff is mostly conveyed to and stored in playa lakes. The playa lakes are naturally occurring, flat-bottom depressions that collect and store runoff. Excess runoff flows overland to adjacent playas. The playa system largely stores and conveys flow to the Canyon Lakes running southeast from the City of Lubbock.

As the region transitions off of the Caprock escarpment, the natural terrain experiences larger variations in slope allowing riverine conditions to form and convey runoff. The differences in terrain results in higher velocities and channel-contained floodways. This region will be referred to as “off the Caprock” to define the portion of the region largely characterized by channelized terrain off the Caprock.

**Population Increase**

On average, the Upper Brazos Region is anticipating approximately 20 percent growth over the next 30 years. The main population centers in the region are the cities of Lubbock (Lubbock County) and Abilene (Taylor County). Additional municipalities on the Caprock that have large populations relative to the region include Plainview (Hale County) and Levelland (Hockley County). Off the Caprock, the second-largest population center to Abilene is Sweetwater (Nolan County). Of these five entities, the projected population growth ranges between 5 and 15 percent except for Lubbock County which is anticipating a 35-percent population increase over the next 30 years.

Population increases typically lead to more development which produces higher rates of runoff, directly impacting the potential future flood risk in communities. Since projected population growth is largely isolated to the five significant population centers within the Region, with the majority occurring within Lubbock County, the extent of population growth due to increased development is considered limited. Thus, population increases are not anticipated to have a large impact on the potential future flood risk. **Figure 2** shows the nighttime population heat map for the Upper Brazos Region.

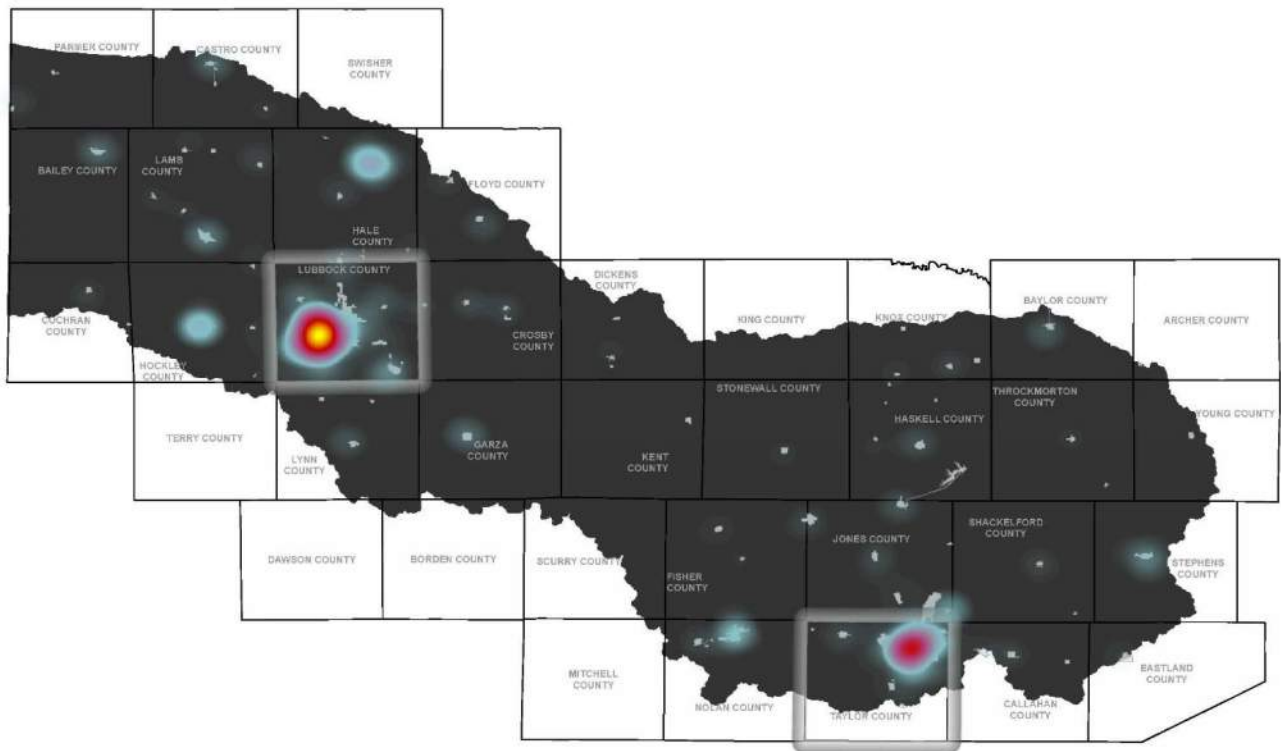


Figure 2: Upper Brazos Nighttime Population Heat Map

**Projected Future Rainfall**

The TWDB recommended the RFGs consider projected rainfall patterns when estimating potential future flood risk. To aid the regional planning groups, the Office of the Texas State Climatologist provided the TWDB with guidance on how to incorporate projected future rainfall in the April 16, 2021 report titled “Climate Change Recommendations for Regional Flood Planning” (Nielson-Gammon). The climatologists coupled historic rainfall data with results from climate models to develop a relationship between extreme rainfall amounts and future increases in global temperature. Percent increase in future precipitation was developed for both urbanized and rural watershed conditions. The report states that 1-day, 100-year rainfall amounts increased by approximately 6 percent between 1960 and 2020 in western Texas. Due to the uncertainty of predicting weather patterns for extreme rainfall events, the climatologist provided a minimum and maximum range for estimating future rainfall increases.

Despite the increase in rainfall, flooding events in rural areas have an additional layer of complexity; soil moisture is a large factor in the resulting stream flows and flood events from the more intense precipitation. According to the Office of the State Climatologist’s report, more intense rainfall may not translate to higher flood risk if the soil moisture is low enough at the beginning of the intense rainfall event. Therefore, for the purposes of future condition flood risk, the minimum net increase in

rainfall in rural areas may be a negative percentage. This phenomenon is present in **Table 1** along with the other percentages of projected increase for rainfall across the Upper Brazos Basin.

Table 1: Range of Potential Future Rainfall Increase 2050-2060

Location	Minimum	Maximum
Urban Areas	12%	20%
Rural Areas/River	-5%	10%

Since the Upper Brazos Region is projected to have limited population growth, most of the region will fall in the rural future flood risk range of -5 to 10 percent. Since the region does not anticipate any large increase of impervious cover typically brought on by development, this range for low population suggests an average negligible change in the foreseeable future. Areas of high population growth will want to consider future impacts as development continues to occur within their jurisdictions.

**Atlas 14**

In 2018, the National Oceanic and Atmospheric Administration (NOAA) released updated Precipitation-Frequency Atlas of the United States Volume 11 for Texas, commonly referred to as Atlas 14. The release of the statewide precipitation data outdated previous precipitation publications such as the USGS Technical Paper No. 40 (1998) which was widely used across the state. Although portions of Texas saw a large increase in rainfall depths, the Upper Brazos Region had relatively minimal changes in total depth of precipitation. The City of Lubbock saw a 0.14-inch increase between the reported 100-year, 24-hour rainfall depths between Atlas 14 and TP40. **Figure 3** below is from the NOAA Atlas 14 supporting report which highlights the differences between the NOAA Atlas 14 and TP40, 100-year, 24-hour precipitation depths for Texas. Since this region to-date has not seen a large increase in predictive precipitation based on 60-plus years of statewide data, this statistical trend is anticipated to continue in future years.

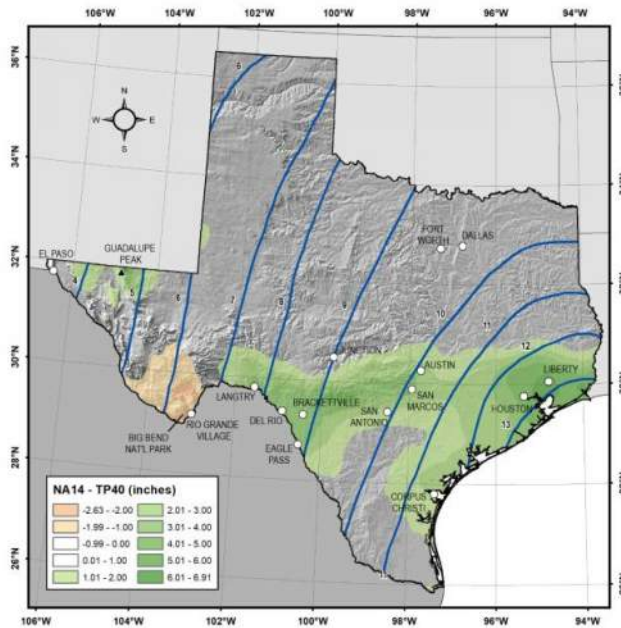


Figure 3: Atlas 14 versus TP40 Rainfall Precipitation Depths (inches)

**Playa Sedimentation**

A large part of the drainage patterns on the Caprock are dependent upon the playa lakes. Recent growth on the Caprock has sparked some concern over the potential sedimentation of the playa lakes which would ultimately impact the available storage in the playa systems.

However, sedimentation of playas is reported to have negligible effects according to Report 268, Erosion and Sedimentation by Water in Texas (1979). Report 268 compiles studies completed for the state by the U.S Soil Conservation Service, considering

20-plus years of data and the impacts of erosion and sedimentation to water ways. The sedimentation impacts reported are mostly focused on the reclamation of playas classified as wetlands. Due to the playa systems, the Caprock was considered to be non-contributing sediment in the overall study and analysis of the Brazos River Basin.

There is limited data and research on playas that serve as storm water storage and conveyance systems such as the playa system in Western Texas. Urbanized areas on the Caprock, such as the City of Lubbock, have playa maintenance and operation measures in place to ensure the community playas continue to provide storage capacity. Additional research and evaluation of playa sedimentation and disturbance to compacted playa soils would inform the potential future impacts on playa infiltration rates to the aquifers and the water table.

## REGION 7 FUTURE CONDITIONS FLOOD HAZARD APPROACH

Identifying future condition flood hazards due to riverine, urban, and playa flooding will help define potential changes in flood extents that the region could anticipate due to unmitigated growth and climate change impacts. Future conditions will be based on current studies and trends that have been recorded to date. Multiple variables that have been discussed in detail in the previous sections of this memo - such as population growth leading to development, changes to land use, and anticipated regional rainfall increases due to climate changes - were factored in when determining the best approximation of future condition flood risk.

The future conditions approach inspired lively discussions with the Upper Brazos Regional Flood Planning Group. Based on feedback from these discussions, several options were presented to the RFPG. The following timeline documents the RFPG meetings where the future conditions approach was discussed.

December 3, 2021	Initial Future Conditions Approach Presented to RFPG <i>Additional options and information requested by the RFPG</i>
January 18, 2022	Future Conditions Options Presented to RFPG (options described below) <i>Future Conditions Approach Selected</i>
February 17, 2022	Preliminary Future Conditions Exposure & Vulnerability Analysis Presented to RFPG <i>RFPG Confirmation of Future Conditions Approach selection</i>

### On the Caprock Future Conditions

Due to the limited projected population growth and minimal rainfall changes anticipated for Western Texas in the future, the RFPG selected to hold the current existing 100-year and 500-year conditions for future conditions. The main population center on the Caprock, the City of Lubbock, has studies supporting future development to account for anticipated growth and has playa maintenance operations in place for the urbanized areas. Although at this time there is no research to suggest sedimentation of playas to be a concerning factor to storm water facilities, the region would benefit from further evaluation of playa sedimentation and infiltration and their potential long-term impacts.

### Off the Caprock Future Conditions

While the future condition on the Caprock lends itself to a single scenario, the area off the Caprock, in the Rolling Plains of Texas, is not as straightforward. Multiple approaches to develop future conditions were considered given the variability of the Rolling Plains area. The following options were developed through coordination between the technical consultant team and the Upper Brazos Regional Flood Planning Group.

#### Option 1 – Do Nothing Scenario

A potential future flood risk approach is a “do nothing” condition. Option 1 uses the existing 100-year and 500-year flood extents to represent the future 100-year and future 500-year flood extents, respectively.

As mentioned in previous sections of this memo, research done by the TWDB and the USDA indicate that for western, rural areas in Texas, there are no foreseen significant increases in flood risk due to climate change and more extreme rainfall events. Such research perpetuates the validity of this potential scenario.



Though this approach avoids any changes to the current flood risk, Option 1 will fail to account for potential impacts of population growth and/or land change. Both of these variables have large impacts on areal runoff. Subsequently, Option 1 could potentially underestimate future flooding risks throughout the Upper Brazos Region.

### Option 2 – Range Defining Minimum and Maximum Risk

Option 2 sets a range of potential flood risk for the 100-year event to account for some amount of additional potential risk due to variable future conditions. The range of potential future 100-year flood risk is defined by the current 100-year floodplain representing the minimum possible extents and the existing 500-year floodplain as the maximum possible extents. The future 500-year floodplain extents would remain the same as the existing 500-year floodplain.

This scenario considers some possible variability in the 100-year future condition extents due to the unknown nature of population growth, land use, extreme rainfall, and climate change.

Since Option 2 provides ranges of inundation extents for a 100-year event up to the 500-year event, this option alleviated public perception concerns of the RFPG while continuing to acknowledge the uncertainty of future flood risk. The 500-year does not also have a range of potential inundation, so while the 100-year encompasses the future condition, the 500-year remains the same as existing conditions. This could possibly underestimate the 500-year future condition flood risk and exposure.

### Option 3 – 100-Year Proxy with Horizontal Buffer

Option 3 uses the existing 500-year flood extents as the future 100-year flood extents. The future 500-year will be approximated using a horizontal buffer. The horizontal buffer will be based on the calculated percent area change between the existing 100-year and future 100-year inundation extents.

Unlike the previous two options, Option 3 considers the likely expansion and variability of future conditions. As future conditions are based on projected population growth, land development, climate change, and extreme rainfall events, the future flood risk is prone to variability.

Option 3 was originally presented to the RFPG for future conditions approach. There was lively discussions and concerns expressed by the Upper Brazos RFPG members. The most notable concern with Option 3 is a possibility of overestimating the future 500-year floodplain extents. Studies off the Caprock in the Upper Brazos region were not available to confirm the impacts of future land use changes or climate change, and therefore it was necessary to use adjacent regions as a comparison point. These regions noted an increase due to land use changes which justified a horizontal buffer from the future 100-year flood extents to approximate the potential future 500-year flood extent. It can be extrapolated that a similar difference would be experienced in the Upper Brazos Region, however, as there is no way to determine the relative percent increase for future conditions, the future condition 500-year extents would likely be conservative using this method.

### Selection of Off Caprock Approach

Based on the available data comparisons and in an effort to account for variability in potential future flood risk, the technical consultant team recommended Option 3 to the Upper Brazos RFPG for the future conditions approach off the Caprock.

There are no available future conditions studies off the Caprock to validate estimations of the potential future flood risk due to land changes, population increase or climate changes. A 100-year proxy using the existing conditions 500-year flood extents with a horizontal buffer would identify the potential future flood risk for flood planning in the Region. However, without existing future conditions studies available, it is feasible the proposed future conditions flood extents may overestimate the future flood risk in the Region off the Caprock.

Upon hearing the case for each method of determining the potential future flood risk, the Regional Flood Planning Group for the Upper Brazos Basin selected Option 2 – a range defining the minimum and maximum of the future 100-year flood extents while holding the existing 500-year flood extent for the future 500-year.

The Upper Brazos Region has limited available studies and thus is utilizing the Fathom cursory floodplains to estimate existing flood risk in approximately 86 percent of the Region. Compared to traditional flood studies, these cursory floodplains identify a significant increase in potential flood risk - increasing the flood hazard beyond what has been seen in the limited areas of available studies off the Caprock (Abilene and Sweetwater). Due to the expansive nature of the cursory floodplains as compared to available studies, the RFPG was concerned about the overestimation of flood risk if a horizontal buffer were to be utilized for future conditions. Furthermore, the RFPG was wary of how the public may respond to increased floodplain extents. Since



the existing 100-year Fathom floodplain extents are more expansive than the current floodplains in the Region, applying a buffer to the existing conditions hazard area would overly exaggerate flood risk, potentially causing unfavorable public perception. The uncertainty with the Fathom data combined with no available studies for future conditions validation led the RFPG to reject Option 3.

The RFPG selected to utilize a range representing the future potential 100-year flood risk, defining the minimum flood risk as the existing 100-year to the maximum flood limits as the existing 500-year flood extent. The RFPG selected to hold the existing 500-year flood extent for the future 500-year until further studies are available in the region. These future studies will provide the basis for analyzing potential future flood risk and better define a horizontal or vertical buffer based on model-backed results.

## CONCLUSION

The Upper Brazos Regional Flood Planning Group for Region 7 has reviewed and discussed the technical data provided to approximate the potential future flood risk in support of the flood planning effort. The following summarizes the direction of the Regional Flood Planning Group:

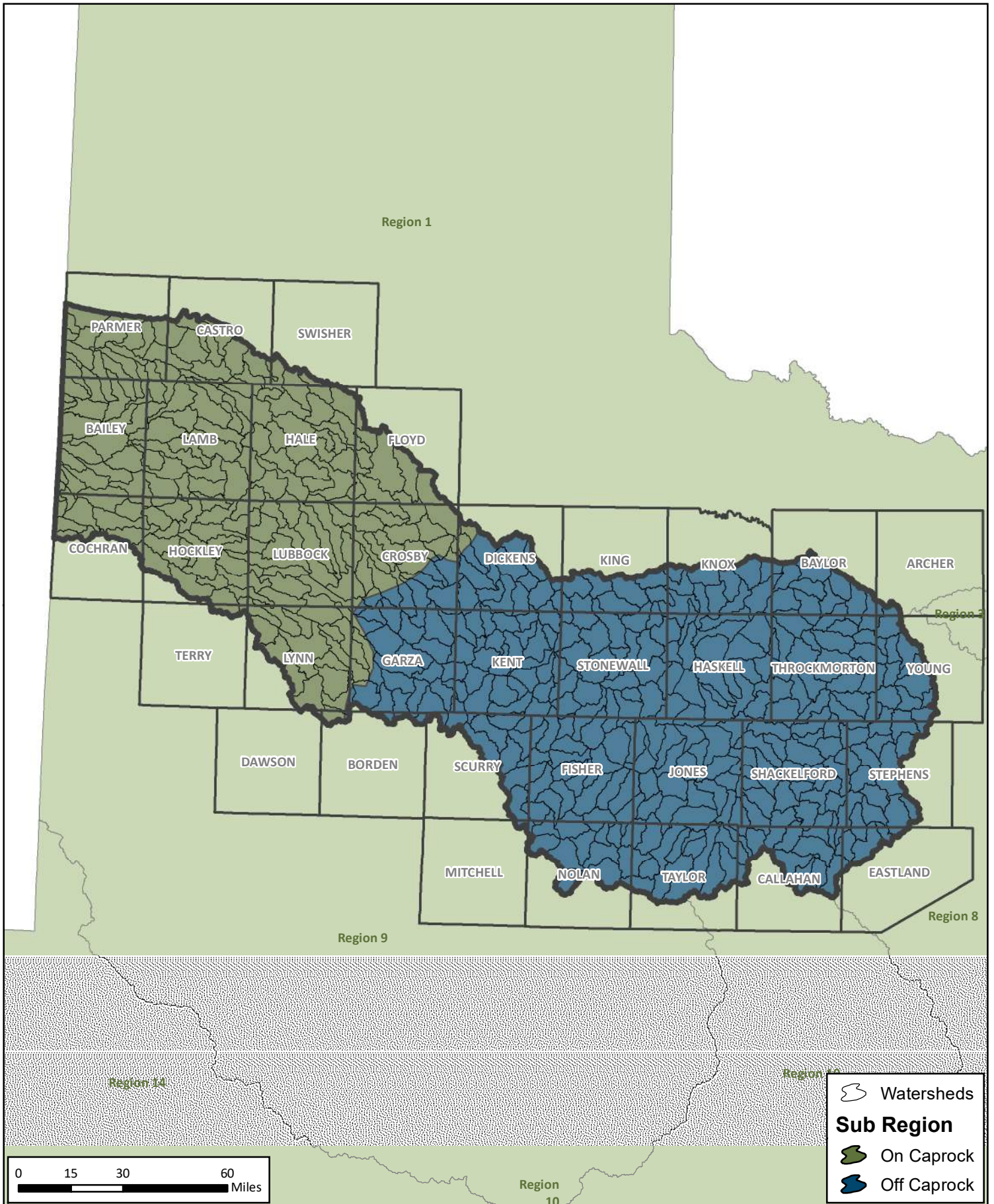
- The RFPG selected two unique approaches to the future conditions flood analysis to account for the varied topographic difference on and off the Caprock.
- The RFPG selected to maintain the existing 100- and 500-year flood extents for the approximation of future risk on the Caprock.
- The RFPG acknowledges and understands the lack of available studies within the Region which limits the data that could be used to validate potential future flood risk assumptions.
- The RFPG understands the Fathom cursory floodplains provide estimated flood risk beyond the extents of traditional hydrologic and hydraulic modeling and may underestimate or overestimate existing flood risk in some areas.
- The RFPG is aware that base level engineering is currently underway and shall be completed by 2024, providing high level engineering models that could be used to validate existing and future flood risk in future planning cycles.
- Based on the information presented, the RFPG selected an off Caprock approach approximating the potential future 100-year flood extent be approximated as a range of the existing 100-year as a minimum and existing 500-year as a maximum. The RFPG selected holding the existing 500-year flood extent as the future 500-year flood extent until further studies are available in the Region.
- The RFPG have also expressed concerns regarding the public perception of the potentially larger future flood risk extents and the possibility of these flood risk areas being used for regulatory purposes. Both of these concerns have been addressed by the Technical Consultant.

The Upper Brazos Region Technical Consultant Team is asking that the method selected by the Upper Brazos Regional Flood Planning Group be evaluated for approval to supplement future conditions mapping where data is unavailable.

FINAL JANUARY 10, 2023

## **APPENDIX C - ADDITIONAL DATA**

### TASK 2 FUTURE CONDITIONS APPROACH MAP



# Future Conditions Approach

REGION 7 UPPER BRAZOS - 2023 REGIONAL FLOOD PLAN

FINAL JANUARY 10, 2023

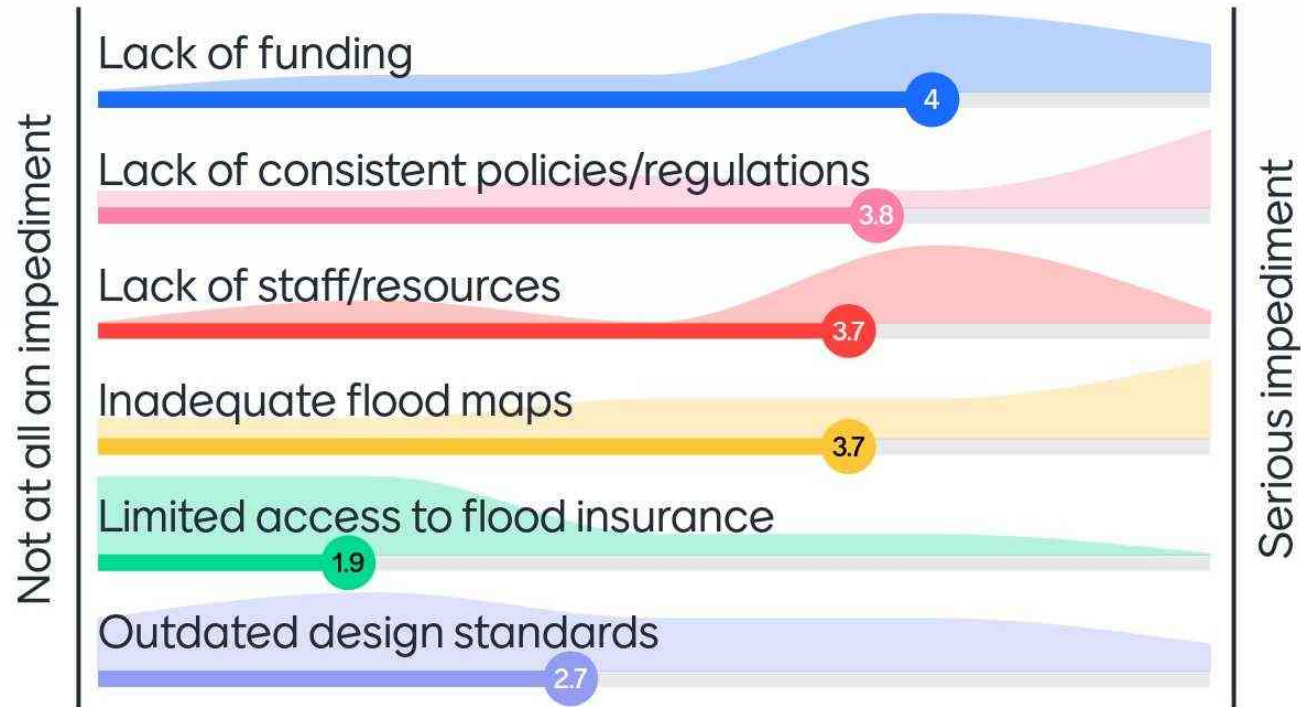
## **APPENDIX C - ADDITIONAL DATA**

TASK 3 MENTI POLL RESULTS AUGUST 19, 2021

# Express with one word your top priority for the Regional Flood Planning effort



# Does your interest category consider these issues an impediment to effective floodplain management?

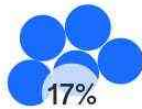




# Select the top 3 flooding concerns for your interest category in Region 1:



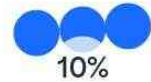
Flooded roadways



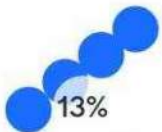
Flooding of critical facilities



Impacts to economic & agricultural production



Damages to private property



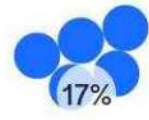
Potential for loss of human lives



Unregulated development



Inadequate Infrastructure

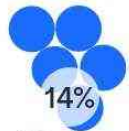


Lack of flood risk data

# How important are the following outcomes for a successful Regional Flood Plan?



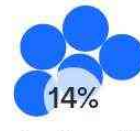
# Potential Goal Categories



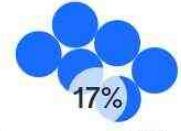
Loss of Life (Reduce Low Water Crossings/Add Warning Systems)



Property Protection (Reduce Number of Properties in Floodplain)



Reduced Agricultural Flood Losses



Improved Coverage of Flood Risk Data

0%

Increased NFIP Participation



Enhanced Floodplain Management (Local Standards/Policies)

0%

More Flood Insurance Policies



Enhanced Flood Awareness and Public Outreach



More Local Funding Programs Established

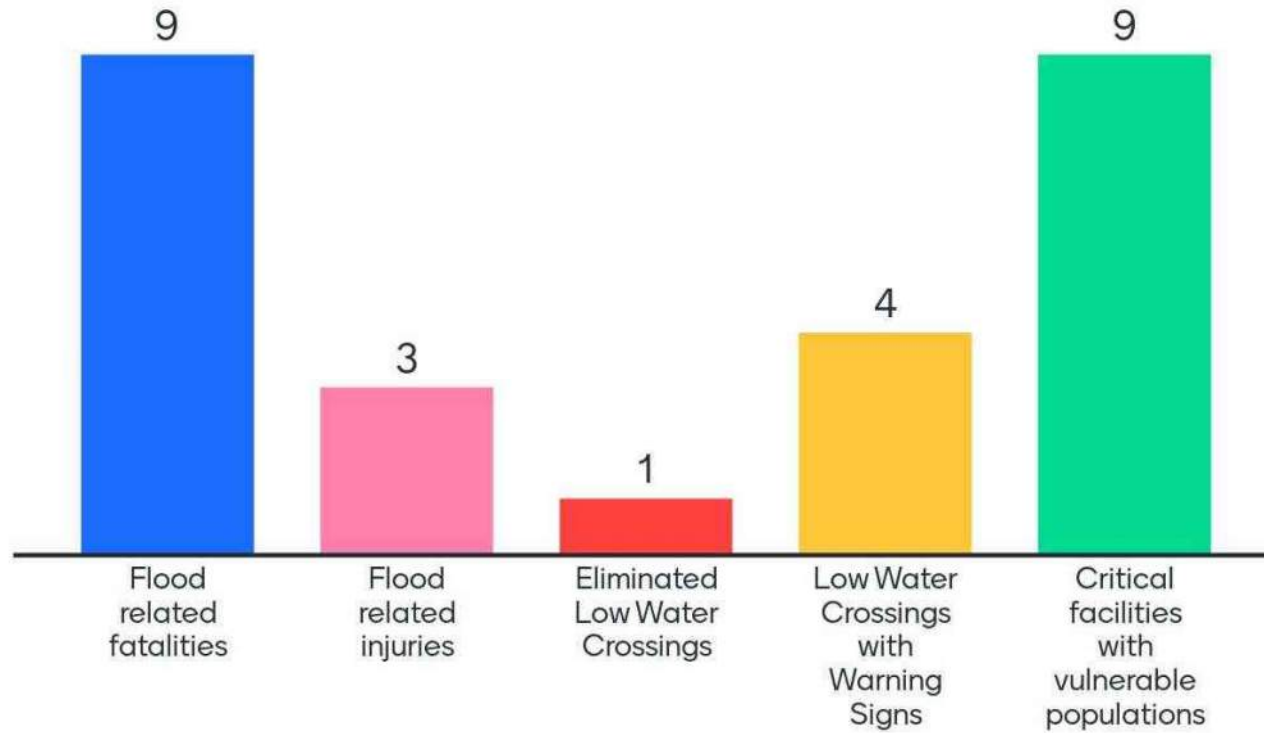


More State/Federal Funding Allocated to Region

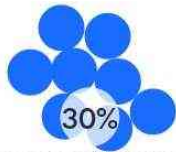


Other

# Loss of Life Potential Metrics



# Property Damage Potential Metrics



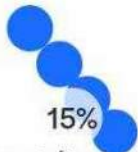
Structures removed from 1% (100-year)



Critical facilities removed 0.2% (500-year)



Structures removed from 10% (10-year)



Structures acquired (bought & demolished)

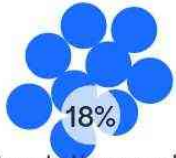


Structures elevated



Structures flood proofed

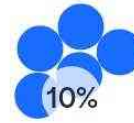
# What are Critical Facilities?



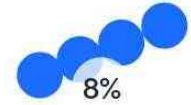
Hospitals, fire stations, police stations



Assisted living facilities, nursing homes



Schools (K through 12th)



Schools for children with special needs



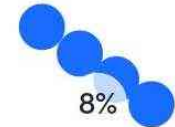
Water and wastewater treatment plants



Power generating/transmitting facilities



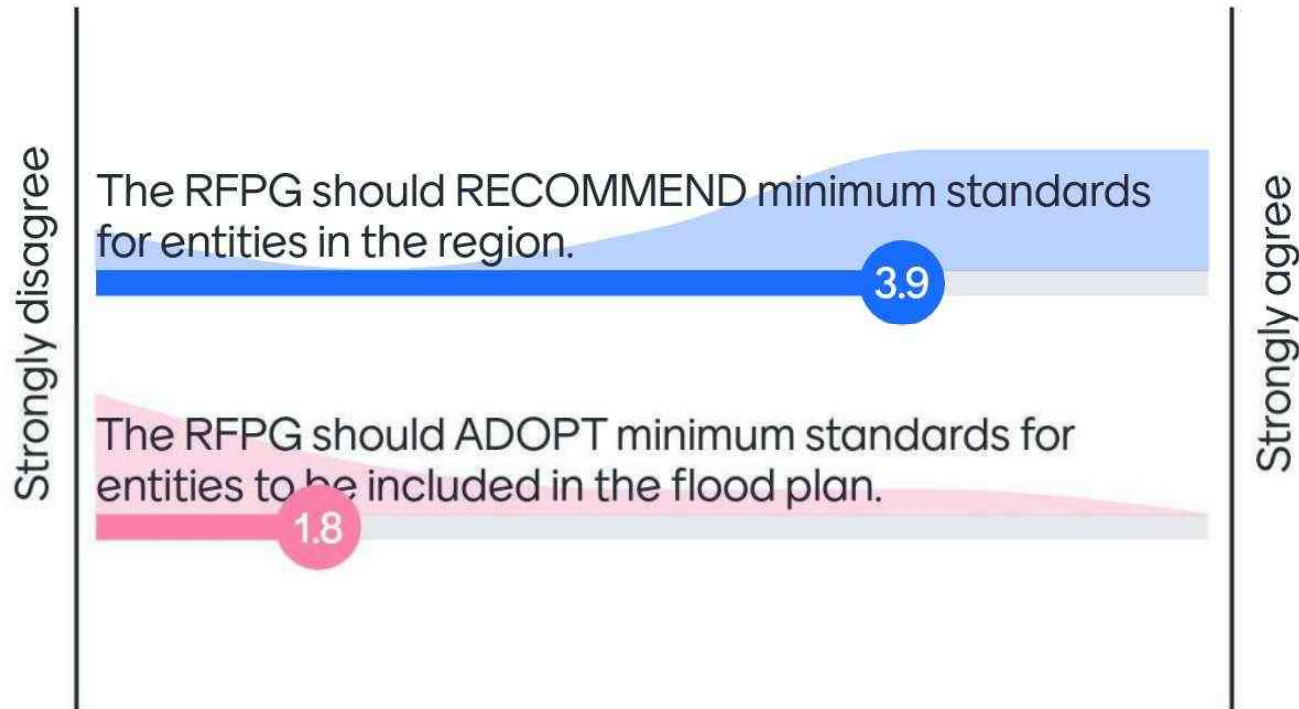
Storage of critical records and similar facilities



Agricultural facilities (feed lot meat packing plants, etc)



# Indicate your initial preference with regard to regional floodplain management standards:



## **APPENDIX C - ADDITIONAL DATA**

TASK 4B PROCESS MEMO FOR IDENTIFICATION AND EVALUATION OF FME  
FMP FMS

**TO:** Region 7 Upper Brazos Regional Flood Planning Group

**CC:** Kirt Harle – Jacob and Martin, Erika Nordstrom – Half and Associates

**FROM:** Heather Keister

**SUBJECT:** Process for Identification and Evaluation of Potential FMEs and Potentially Feasible FMPs and FMSs

**DATE:** 11/2/2021

**PROJECT:** Upper Brazos Regional Flood Plan (FNI Proj. No. SPA21394)

---

## Introduction

Freese and Nichols (FNI) has been retained as the Technical Consultant (TC) to the Upper Brazos Regional Flood Planning Group (RFPG) to develop the first ever Regional Flood Plan (RFP) for the basin, as part of the state flood planning process administered by the Texas Water Development Board (TWDB). A major component of the project is to identify, evaluate, and recommend Flood Management Evaluations (FMEs), Flood Mitigation Projects (FMPs), and Flood Management Strategies (FMSs) to be included in the RFP and the cumulative State Flood Plan (SFP).

The *Scope of Work (SOW)* developed by TWDB includes a requirement to “receive public comment on a proposed process to be used by the RFPG to identify and select FMEs, FMSs, and FMPs for the 2023 Regional Flood Plan.” This Technical Memorandum (TM) has been furnished to provide background information about the overall flood planning process and the associated technical requirements and to document the TC’s proposed process for this task. It is intended to comply with the *SOW* and the relevant provisions of *Title 31 of the Texas Administrative Code (TAC) Chapters 361 and 362 (Rules)* which serve as the statute and rules that govern regional flood planning.

## Definitions

This section provides definitions of key terms from the *Technical Guidelines for Regional Flood Planning* prepared by the TWDB.

A **Flood Management Evaluation (FME)** is a proposed flood study of a specific, flood-prone area that is needed in order to assess flood risk and/or determine whether there are potentially feasible FMSs or FMPs.

A **Flood Mitigation Project (FMP)** is a proposed project, either structural or non-structural, that has non-zero capital costs or other non-recurring cost and when implemented will reduce flood risk, mitigate flood hazards to life or property.

A **Flood Management Strategy (FMS)** is a proposed plan to reduce flood risk or mitigate flood hazards to life or property. At a minimum, RFPGs should include as FMSs any proposed action that the group would like to identify, evaluate, and recommend that does not qualify as either a FME or FMP.

## Background

Identification and evaluation of FMEs, FMPs, and FMSs occurs under *Task 4B*, with recommendations being developed as part *Task 5*. Each of these recommendations must tie back to the floodplain management goals adopted by the RFPG and must contribute to the assessment and mitigation of flood risk across the basin.

FMEs, FMSs, and FMPs are broadly categorized as “flood risk reduction projects” in the *Technical Guidelines*. The *Technical Guidelines* also list several potential project types for each subcategory, summarized in **Table 1** below:

**Table 1: Flood Risk Reduction Project Types**

Flood Risk Reduction Project Category	Project Types
<b>Flood Management Evaluation (FME)</b>	<ul style="list-style-type: none"> <li>a. Watershed Planning               <ul style="list-style-type: none"> <li>i. H&amp;H Modeling</li> <li>ii. Flood Mapping Updates</li> <li>iii. Regional Watershed Studies</li> </ul> </li> <li>b. Engineering Project Planning               <ul style="list-style-type: none"> <li>i. Feasibility Assessments</li> </ul> </li> <li>c. Preliminary Engineering (alternative analysis and up to 30% design)</li> <li>d. Studies on Flood Preparedness</li> </ul>
<b>Flood Mitigation Project (FMP)</b>	<p><b>Structural</b></p> <ul style="list-style-type: none"> <li>a. Low Water Crossings or Bridge Improvements</li> <li>b. Infrastructure (channels, ditches, ponds, stormwater pipes, etc.)</li> <li>c. Regional Detention</li> <li>d. Regional Channel Improvements</li> <li>e. Storm Drain Improvements</li> <li>f. Reservoirs</li> <li>g. Dam Improvements, Maintenance, and Repair</li> <li>h. Flood Walls/Levees</li> <li>i. Nature Based Projects – living levees, increasing storage, increasing channel roughness, increasing losses, de-synchronizing peak flows, dune management, river restoration, riparian restoration, run-off pathway management, wetland restoration, low impact development, green infrastructure, playas improvements</li> <li>j. Comprehensive Regional Project – includes a combination of projects intended to work together</li> </ul> <p><b>Non-Structural</b></p> <ul style="list-style-type: none"> <li>a. Property or Easement Acquisition</li> <li>b. Elevation of Individual Structures</li> <li>c. Flood Readiness and Resilience</li> <li>d. Flood Early Warning Systems, including stream gauges and monitoring stations</li> <li>e. Floodproofing</li> <li>f. Regulatory Requirements for Reduction of Flood Risk</li> </ul>
<b>Flood Management Strategy (FMS)</b>	None specified; at a minimum, RFPGs should include as FMSs any proposed action that the group would like to identify, evaluate, and recommend that does not qualify as either a FME or FMP.

Particularly during this first round of flood planning, several areas are likely to be identified as potential FMEs due to a lack of sufficiently complete or current flood study data to accurately evaluate and quantify flood risk. Unsurprisingly, not every conceivable FME can or will be recommended for inclusion in the plan. The RFPG must decide which potential FMEs will be recommended in the RFP so that limited state and stakeholder resources can be directed efficiently and accordingly to implement those studies.

Similarly, regional stakeholders will likely have several projects and strategies for managing flood risk that could be candidates for inclusion in the plan and eligibility for state funding. Each FMP and FMS identified by the technical consultant will be screened to determine if the FMP or FMS is potentially feasible. At a minimum, FMPs and FMSs must be developed in an adequate level of detail to furnish the required technical information and adhere to the minimum criteria set forth in the *SOW*, the *Rules*, and the *Technical Guidelines*.

For FMPs, these minimum criteria include having appropriate hydrologic and hydraulic (H&H) models required to evaluate the project that adhere to Mapping and Modeling Guidelines and a requirement that the FMP cause No Negative Impact on a neighboring area. These requirements must also be met for FMSs, as applicable. These standards are described in *Section 3.5* and *Section 3.6* of the *Technical Guidelines*.

## Process for Identification of Potential FMEs and Potentially Feasible FMPs and FMSs

### Identification

Identification of potential FMEs and potentially feasible FMPs and FMSs begins with the development of the Flood Mitigation Needs Analysis (*Task 4A*). Generally, this task is meant to guide action evaluation and recommendation by highlighting:

- The areas with the greatest gaps in flood risk knowledge that should be considered for potential FMEs.
- The areas of greatest known flood risk and flood mitigation needs that should be considered for implementation of potentially feasible FMSs and FMPs.

FNI has developed a process for identifying areas of greatest need based on application of the requirements outlined in the *Rules* and *SOW*. The process is summarized in **Table 2**, below.

**Table 2: Guidance for Assessment and Identification of Flood Mitigation Needs**

Guidance	Factors to Consider
1. Most prone to flooding that threatens life and property	<ul style="list-style-type: none"> <li>• Area overlapped by inundation mapping and/or included in any historical flooding record</li> <li>• Building footprints / polygons within flood hazard layer</li> <li>• Fully developed flood models (where available)</li> <li>• Low water crossings</li> <li>• Agricultural areas at risk of flooding</li> </ul>
2. Locations, extent and performance of current floodplain management and land use policies and infrastructure	<ul style="list-style-type: none"> <li>• Communities not participating in NFIP and/or without NFIP equivalent or higher standards</li> <li>• City / County design manuals</li> <li>• Community Rating Score (CRS)</li> <li>• Land use policies</li> <li>• Floodplain ordinance(s)</li> </ul>

Guidance	Factors to Consider
3. Inadequate inundation mapping	<ul style="list-style-type: none"> <li>No mapping</li> <li>Presence of Fathom / BLE / FEMA Zone A flood risk data</li> <li>Detailed FEMA models older than 10 years</li> </ul>
4. No H&H models	<ul style="list-style-type: none"> <li>Communities with zero models</li> <li>Communities with limited models</li> </ul>
5. Emergency need	<ul style="list-style-type: none"> <li>Damaged or failing infrastructure</li> <li>Other emergency conditions</li> </ul>
6. Existing models, analysis, and flood risk mitigation plans	<ul style="list-style-type: none"> <li>Exclude flood mitigation plans already in implementation</li> <li>Leverage existing models, analyses, and flood risk mitigation plans otherwise</li> </ul>
7. Already identified and evaluated flood mitigation projects	<ul style="list-style-type: none"> <li>Exclude flood mitigation projects already in implementation</li> <li>Leverage existing flood mitigation projects otherwise</li> </ul>
8. Historic flooding events	<ul style="list-style-type: none"> <li>Disaster declarations</li> <li>Flood insurance claim information</li> <li>Other significant local events</li> </ul>
9. Already implemented flood mitigation projects	<ul style="list-style-type: none"> <li>Exclude areas where flood mitigation projects have already been implemented unless significant residual risk remains</li> </ul>
10. Additional other factors deemed relevant by RFPG	<ul style="list-style-type: none"> <li>Alignment with RFPG goals</li> <li>Alignment with TWDB guidance principles</li> </ul>

After identification of the areas of greatest flood mitigation need, the TC will review the available data to develop a list of potential flood risk reduction actions for addressing the needs in these areas. The data will include information compiled under previous tasks in the *SOW*, including:

- Data collection regarding existing flood infrastructure, flood projects currently in progress, and known flood mitigation needs (*Task 1*);
- Quantification of existing and future flood risk exposure and vulnerability (*Tasks 2A and 2B*);
- Goals and strategies adopted and/or recommended by the RFPG for addressing existing flood hazards and mitigating future flood risk (*Tasks 3A and 3B*); and,
- Stakeholder-provided input throughout the flood planning process.

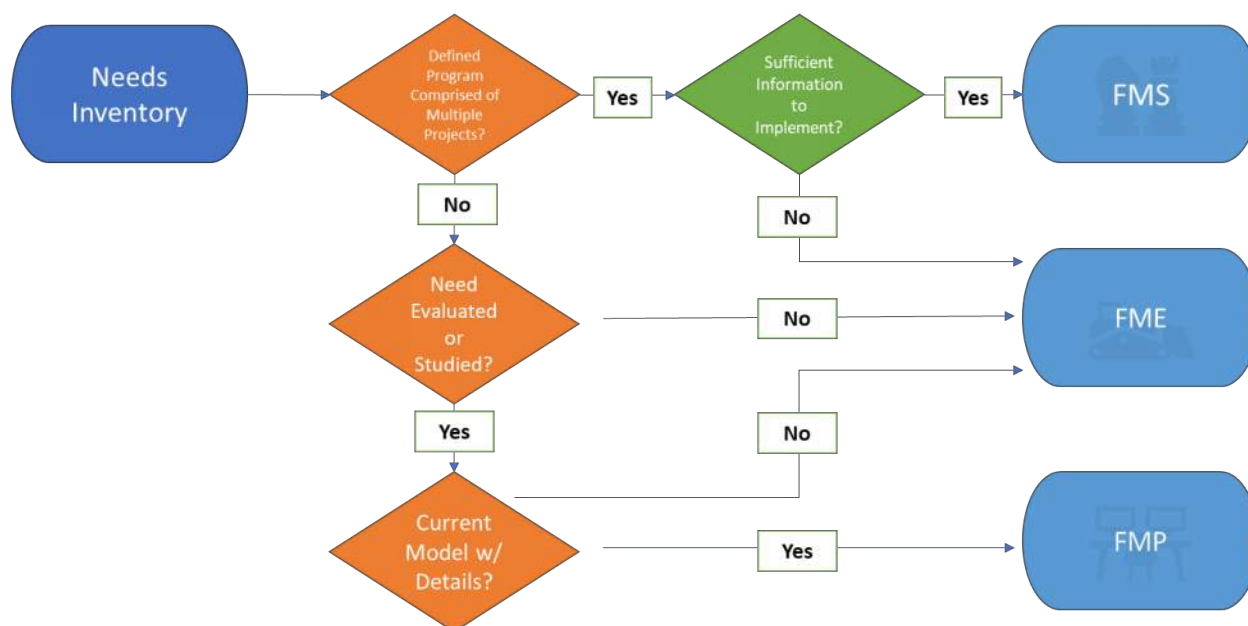
It is anticipated that several potential actions will be identified, primarily FMEs to address gaps in flood risk data associated with the first planning cycle. The *Rules* and *SOW* require FMSs and FMPs to be developed in a sufficient level of detail to be included in the RFP and recommended for state funding. It is not anticipated that the TC will have sufficient data, time, or budget to develop new FMSs and FMPs as part of this planning cycle. Rather, the list of potentially feasible FMSs and FMPs will be compiled based on contributions from the RFPG and other regional stakeholders from sources such as previous flood studies, drainage master plans, and capital improvement programs.



### Evaluation

Once potential flood risk reduction actions are identified, a screening process will be performed to sort actions into their appropriate categorization. The screening process to be implemented by the TC is shown below in **Figure 1**.

**Figure 1: Potential Flood Risk Reduction Action Screening Process**



In addition to falling into the general buckets of action types outlined in **Table 1**, FMPs and FMSs will be screened to determine if they have been developed in enough detail and include current technical data to meet the TWDB’s requirements for these action types as outlined in the *Technical Guidelines*. Actions that were initially considered for FMSs and FMPs that do not meet these requirements may be recommended for future study as part of an FME.

### Selection

The TC will seek to identify and recommend a comprehensive list of potential flood risk reduction actions for inclusion in the RFP. In practice, this means that as many FMPs and FMSs as possible will be recommended which have information available to meet the detailed requirements in the *Technical Guidelines*. FMSs will also be recommended for other strategies the RFPG wishes to pursue that do not fit cleanly into the FME and FMP categorizations. One example of a potential FMS is a program of separate FMPs that is part of an overall strategy to reduce flood risk within a particular area, such as a community-wide buyout program to be implemented over several years. Generally, FMEs will be recommended for any remaining areas with potential flood risk and exposure of people and property based on results of *Task 4A*.

All recommended actions must meet the technical requirements of the *Technical Guidelines*, including demonstrating No Negative Impacts and identifying at least one local sponsor. However, some potential actions that meet these baseline requirements may not be appropriate for recommendation. While this is not a comprehensive list, some potential reasons a project may not be recommended include:

- Action does not achieve flood risk reduction

- Action does not align with the flood mitigation goal(s) adopted by the region and/or the guidance principles set forth by the state
- Action does not demonstrate benefits at a scale appropriate for inclusion in a regional plan
- Action duplicates the benefits of another action(s) included in the plan
- Action cannot obtain an MOU or other form of concurrence from impacted entities
- Action does not demonstrate a sensible benefit-cost ratio or other metric
- Public input regarding the action demonstrates a need for further evaluation or consensus building with regional stakeholders
- Action does not receive a simple majority vote from a quorum of the RFPG members for inclusion in the RFP.

### Schedule

The process to identify and evaluate FMEs, FMPs, and FMSs must be approved by the RFPG and included in the interim Technical Memorandum (ITM) furnished under *Task 4C* of the *SOW*. This deliverable deadline has been set for January 7, 2022, by the TWDB. After the delivery of the ITM, the TWDB will review and provide Notice to Proceed (NTP) on *Task 5*, after which the TC may begin the process of recommending flood risk reduction projects for inclusion in the RFP. The TWDB has not provided an anticipated date for issuance of NTP. As such, the schedule provided in **Table 3** below is the TC’s proposed timeline of activities to meet the ITM deadline and anticipated schedule of activities after NTP on *Task 5*.

**Table 3: Proposed Timeline of Activities**

Project Activity	Date
TC deliver <i>Process for Identification and Evaluation of Potential FMEs and Potentially Feasible FMPs and FMSs</i> TM to RFPG for review	November 19, 2021
RFPG vote to approve process at December meeting	December 3, 2021
TC present identified potential FMEs and potentially feasible FMPs and FMSs to RFPG at December meeting	December 3, 2021
RFPG vote to approve and submit ITM	December 3 or 16, 2021
TC deliver ITM to TWDB	January 7, 2022
TWDB review ITM; TC continue process to evaluate FMEs, FMPs, and FMSs	January 2022 – April 2022
TWDB issue NTP on Task 5; TC to begin process of recommending FMEs, FMPs, and FMS for inclusion in RFP	TBD (after NTP by TWDB)

When reviewing and considering whether to approve drafts of the ITM, the RFPG members should do so with the understanding that the TWDB has established the purpose of the ITM “to be a draft, mid-point, work-in-progress deliverable...to demonstrate that [the RFPG] are making appropriate progress towards the development of their regional flood plan and in meeting contract requirements.” The TWDB has further clarified that:

Process for Identification and Evaluation of Potential FMEs and Potentially Feasible FMPs and FMSs

November 2, 2021

Page 7 of 7

“If RFPGs need to make changes to content that was included in deliverables submitted under the technical memorandum [ITM] after the submission’s deadline, RFPGs do not need to resubmit any previously submitted deliverables. The content of the draft and final versions of each regional flood plan will supersede all content included in any previous deliverables.”

As such, the ITM does not need to include a comprehensive list of potential flood risk reduction projects. Projects can be updated, added, or removed as additional flood risk information or project details are evaluated by the TC and through future engagement with stakeholders.

FINAL JANUARY 10, 2023

## **APPENDIX C - ADDITIONAL DATA**

TASK 4C TECH MEMORANDUM JANUARY 2022



**2023 REGIONAL FLOOD PLAN  
INTERIM TECHNICAL MEMORANDUM  
REGION 7  
UPPER BRAZOS**

**JANUARY 2022**





# 2023 REGIONAL FLOOD PLAN – INTERIM TECHNICAL MEMORANDUM

## PREPARED FOR:

Region 7 Upper Brazos Regional Flood Planning Group

## PREPARED BY:

Freese and Nichols, Inc.

Halff Associates, Inc.

Jacob & Martin, Ltd.

H2O Partners, Inc.



*Heather Keister*

12/17/2021

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## PURPOSE

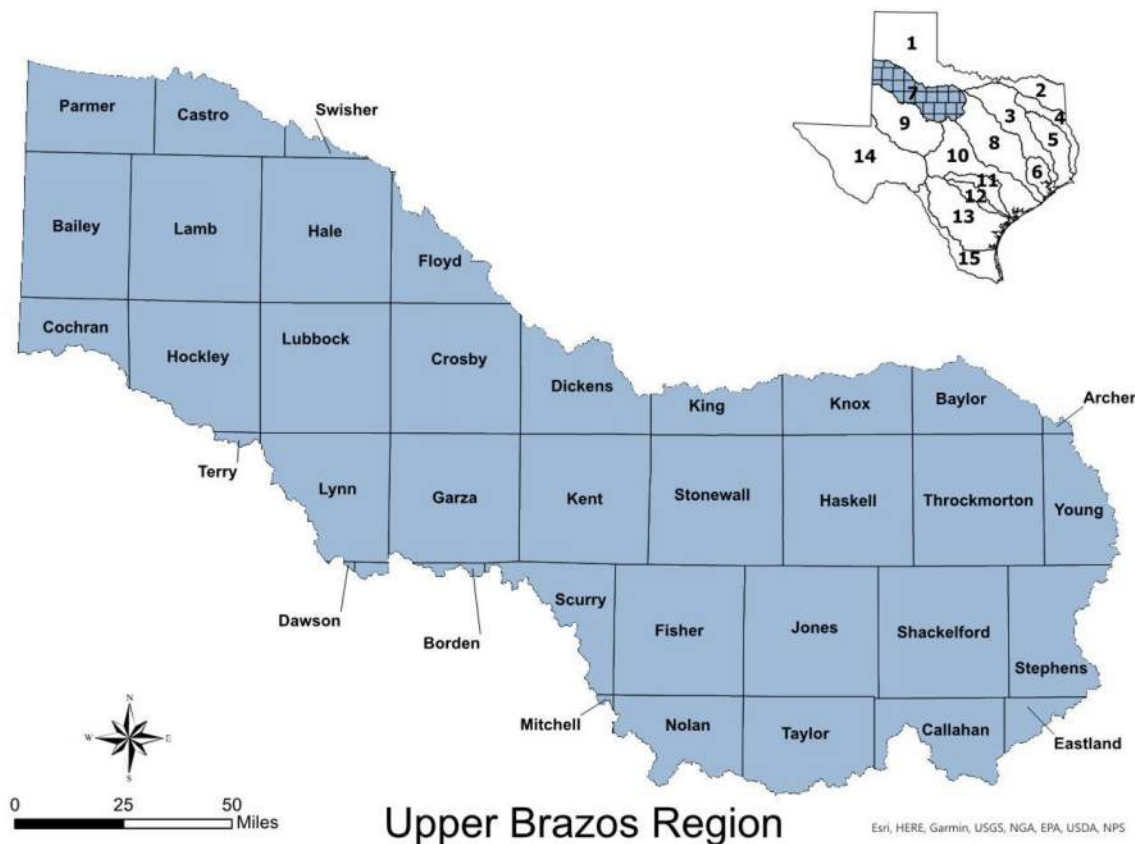
This Technical Memorandum has been prepared as the first formal deliverable for the Region 7 Upper Brazos Regional Flood Plan (RFP). It is intended to satisfy the requirements for Task 4C as outlined in the Scope of Work and the relevant provisions of Title 31 of the Texas Administrative Code (TAC) Chapters 361-362, which serve as the statute and rules that govern regional flood planning. It has been developed consistent with the Technical Guidelines for Regional Flood Planning and additional guidance prepared by the Texas Water Development Board (TWDB).

*The contents of this Technical Memorandum were approved by the Upper Brazos Regional Flood Planning Group (RFPG) on December 3, 2021 at a meeting subject to notice requirements in accordance with 31 TAC §361.21(h). It must be submitted to the TWDB in accordance with Section I Article I of the project contract.*

## INTRODUCTION

In 2019, the Texas Legislature and Governor Abbott expanded the authority of the Texas Water Development Board to administer a new State and Regional Flood Planning process. The 15 regions designated in Texas are based on river basins and this region, Region 7, is also known as the Upper Brazos Flood Planning Region. At the first meeting of the Region 7 Upper Brazos Flood Planning Group on October 29, 2020, the group designated South Plains Association of Governments (SPAG) to be the political subdivision to serve as the planning group sponsor to coordinate and provide support on a variety of administrative activities of Region 7. The flood planning region (FPR) is shown below in **Figure 1**.

Figure 1: Upper Brazos (Region 7) Flood Planning Region



The mid-point deliverable for the Regional Flood Plan (RFP), due to TWDB on January 7, 2022, is a Technical Memorandum intended to demonstrate progress towards compiling the necessary technical information and analyses needed to develop the RFP and meet contract requirements. The Technical Memorandum includes the information specifically included in the *Scope of Work* that pertains to the following project tasks:

Task 1: Planning Area Description

Task 2: Flood Risk Analysis

Task 3: Floodplain Management Practices and Flood Protection Goals

Task 4: Assessment and Identification of Flood Mitigation Needs

This Technical Memorandum is organized as a series of attachments for each set of data required by the *Scope of Work*. The TWDB extended the time to submit certain portions of the Technical Memorandum deliverables, specifically those that require the use of cursory floodplain (Fathom 3m) data to evaluate areas at risk of flooding. Those scope items are noted in the following section and are intended to be submitted through an appended Technical Memorandum by March 7, 2022.

## ATTACHMENTS

The attachments of this Technical Memorandum include:

- A list of existing political subdivisions within the FPR that have flood-related authorities or responsibilities. - Attachment A
- A list of previous flood studies considered by the RFPG to be relevant to development of the RFP. - Attachment B
- A geodatabase and associated maps in accordance with TWDB Flood Planning guidance documents that the RFPG considers to be the best representation of the region-wide 1.0% annual chance flood event and 0.2% annual chance flood event inundation boundaries, and the source of flooding for each area, for use in its risk analysis, including indications of locations where such boundaries remain undefined. - Attachment C – **Not Included, Deadline Extended to March 7, 2022**
- A geodatabase and associated maps in accordance with TWDB Flood Planning guidance documents that identify additional flood-prone areas not described in (c) based on location of hydrologic features, historic flooding, and/or local knowledge. - Attachment D – **Not Included, Deadline Extended to March 7, 2022**
- A geodatabase and associated maps in accordance with TWDB Flood Planning guidance documents that identifies areas where existing hydrologic and hydraulic models needed to evaluate FMSs and FMPs are available. - Attachment E – **Not Included, Deadline Extended to March 7, 2022**
- A list of available flood-related models that the RFPG considers of most value in developing its plan. - Attachment F
- The flood mitigation and floodplain management goals adopted by the RFPG per §361.36. - Attachment G
- The documented process used by the RFPG to identify potentially feasible FMSs and FMPs. - Attachment H
- A list of potential FMEs and potentially feasible FMSs and FMPs identified by the RFPG, if any. - Attachment I
- A list of FMSs and FMPs that were identified but determined by the RFPG to be infeasible, including the primary reason for it being infeasible. - Attachment J
- A digital submittal of progress on the Spatial Data deliverables is included as a part of this memorandum. An inventory list of items is included in the geodatabase. - Attachment K

**Attachment A: List of Existing Political Subdivisions with Flood-Related Authorities or Responsibilities**

The list of political subdivisions that have flood-related authority was developed using the Entities feature class provided by the TWDB, as well as feedback from the stakeholder engagement survey and Upper Brazos RFP group members. There is a total of 141 political subdivisions in the region with flood related authority. The political subdivisions include 36 counties, 81 municipalities, and 24 other entities. The other entities are comprised of water authorities, districts, council of governments, and commissions. The table below includes a list of all the political subdivisions in the region with flood related authority.

Table 1: List of Entities with Flood-Related Authority or Responsibility

Counties			
Archer	Dickens	Kent	Scurry
Bailey	Eastland	King	Shackelford
Baylor	Fisher	Knox	Stephens
Borden	Floyd	Lamb	Stonewall
Callahan	Garza	Lubbock	Swisher
Castro	Hale	Lynn	Taylor
Cochran	Haskell	Mitchell	Terry
Crosby	Hockley	Nolan	Throckmorton
Dawson	Jones	Parmer	Young

Municipalities			
Abernathy	Floydada	Morton	Rotan
Abilene	Goree	Muleshoe	Seymour
Albany	Hale Center	Munday	Shallowater
Amherst	Hamlin	New Deal	Slaton
Anson	Hart	New Home	Smyer
Anton	Haskell	Newcastle	Springlake
Aspermont	Hawley	O'Brien	Spur
Baird	Idalou	Olton	Stamford
Benjamin	Impact	Opdyke West	Sudan
Bovina	Jayton	Petersburg	Sweetwater
Breckenridge	Knox City	Plainview	Tahoka
Buffalo Gap	Levelland	Post	Throckmorton
Buffalo Springs	Littlefield	Putnam	Trent
Cisco	Lockney	Ralls	Tuscola
Clyde	Lorenzo	Ransom Canyon	Tye
Crosbyton	Lubbock	Roby	Weinert
Dickens	Lueders	Rochester	Whiteface

Municipalities			
Dimmitt	Megargel	Ropesville	Wilson
Earth	Merkel	Roscoe	Wolfforth
Edmonson	Moran	Rotan	Woodson
Farwell			

Other (Water Authorities, Districts, Commissions, COGs, Etc.)	
Brazos River Authority	Nortex Regional Planning Commission
Canadian River Municipal Water Authority	Panhandle Regional Planning Commission
Dickens County WCID 1	Permian Basin Regional Planning Commission
Fort Griffin SUD	Red River Authority of Texas
Haskell County WSD 1	Rotan Municipal Water Authority
Knox County Drainage District 1	Salt Fork Water Quality District
Knox County WCID 1	South Plains Association of Governments
Lake Alan Henry Water District	Stonewall County WCID 1
Lower Colorado River Authority	Tuscola - Taylor County WCID 1
Lubbock County WCID 1	West Central Texas Council of Governments
Lytle Lake WCID	West Central Texas Municipal Water District
North Central Texas MWA	White River MWD

WCID = Water Control and Improvement District

SUD = Special Utility District

WSD = Water Supply District

MWA = Municipal Water Authority

MWD = Municipal Water District



**Attachment B: List of Previous Flood Studies to be Considered by the RFPG for Development of the RFP**

Several flood studies were identified during the data collection effort of RFP. Large scale studies consisted of Flood Insurance Studies performed by FEMA and Hazard Mitigation Action Plans for counties. Additional studies were collected from municipalities in the region.

Table 2: List of Studies Relevant to the RFP

Report Title	Study Area	Sponsor Entity	Date
Archer County Flood Insurance Study (FIS)	Archer County	Federal Emergency Management Agency (FEMA)	2021
City of Albany FIS	City of Albany	FEMA	1986
City of Levelland FIS	City of Levelland	FEMA	1990
City of Muleshoe FIS	City of Muleshoe	FEMA	1989
City of Roscoe FIS	City of Roscoe	FEMA	1988
City of Snyder FIS	City of Snyder	FEMA	1980
City of Sweetwater FIS	City of Sweetwater	FEMA	1989
City of Throckmorton FIS	City of Throckmorton	FEMA	1976
Dawson County FIS	Dawson County	FEMA	2011
Eastland County FIS	Eastland County	FEMA	1997
Fisher County FIS	Fisher County	FEMA	2011
Hale County FIS	Hale County	FEMA	2011
Haskell County FIS	Haskell County	FEMA	1987
Jones County FIS	Jones County	FEMA	2011
Lubbock County FIS	Lubbock County	FEMA	2017
Nolan County FIS	Nolan County	FEMA	1990
Stephens County FIS	Stephens County	FEMA	2019
Taylor County FIS	Taylor County	FEMA	2012
Young County FIS	Young County	FEMA	2019
Upper Clear Fork Brazos Watershed, TX BLE Results	Upper Clear Fork Brazos HUC-8 Watershed	FEMA	2017
Archer County Hazard Mitigation Plan (HMAP)	Archer County	Nortex Regional Planning Commission (NRPC)	2020
Baylor County HMAP	Baylor County	NRPC	2020
Lubbock County HMAP	Lubbock County	Lubbock County	2015
West Central Texas Council of Governments (WCTCOG) HMAP Planning Area 1	Taylor County	West Central Texas Council of Governments (WCTCOG)	2020
WCTCOG HMAP Planning Area 2	Callahan County Shackelford County	WCTCOG	2020
WCTCOG HMAP Planning Area 3	Fisher County Mitchell County Nolan County Scurry County	WCTCOG	2020

Report Title	Study Area	Sponsor Entity	Date
WCTCOG HMAP Planning Area 4	Haskell County Kent County Stonewall County Throckmorton County	WCTCOG	2020
WCTCOG HMAP Planning Area 5	Stephens County	WCTCOG	2020
Young County HMAP	Young County	NRPC	2020
Abilene Master Drainage Plan	City of Abilene	City of Abilene	2020
Lubbock Master Drainage Plan	City of Lubbock	City of Lubbock	1997
Lubbock Master Drainage Plan - Update	City of Lubbock	City of Lubbock	2010
Lubbock Master Drainage Plan – 5-Year CIP	City of Lubbock	City of Lubbock	2018
Lubbock Master Drainage Plan – Supplement	City of Lubbock	City of Lubbock	2018-2020
Lubbock System C	City of Lubbock	City of Lubbock	2019
Lubbock System B, D (NWLDIP Phase 3)	City of Lubbock	City of Lubbock	2021
McAlister LOMR	Playa System E4A, E4B, and E9	City of Lubbock	2020

### Attachment C: Existing Flood Hazard Geodatabase and Associated Maps

The TWDB extended the time to submit this portion of the Technical Memorandum deliverables, specifically those that require the use of cursory floodplain (Fathom 3m) data to evaluate areas at risk of flooding. This scope item is intended to be submitted through an appended Technical Memorandum by March 7, 2022.

**Attachment D: Flood Mapping Gaps Geodatabase and Associated Maps**

The TWDB extended the time to submit this portion of the Technical Memorandum deliverables, specifically those that require the use of cursory floodplain (Fathom 3m) data to evaluate areas at risk of flooding. This scope item is intended to be submitted through an appended Technical Memorandum by March 7, 2022.

**Attachment E: Hydrologic and Hydraulic Models Needed Geodatabase and Associated Maps**

The TWDB extended the time to submit this portion of the Technical Memorandum deliverables, specifically those that require the use of cursory floodplain (Fathom 3m) data to evaluate areas at risk of flooding. This scope item is intended to be submitted through an appended Technical Memorandum by March 7, 2022.

**Attachment F: List of Available Flood-Related Models to be Considered for Developing the RFP**

Information on existing hydrologic and hydraulic models was requested through the stakeholder engagement survey. The table below lists the models collected through this engagement as of November 10, 2021.

Table 3: List of Relevant Models Collected for the RFP

Model Title	Software	Study Area	Sponsor Entity	Date
Upper Clear Fork Brazos Watershed BLE	HEC-RAS	Upper Clear Fork Brazos HUC-8 Watershed	FEMA	2017
Lubbock Playa System Rapid Assessment Models	ICM	City of Lubbock	City of Lubbock	2015
5-Year CIP Models	ICPR	City of Lubbock	City of Lubbock	2016
MDP Update Models	ICPR	City of Lubbock	City of Lubbock	2018-2020
System C Models	ICPR	Playa System C Watershed	City of Lubbock	2019
Lubbock System B, D (NWLDIP Phase 3)	ICPR	City of Lubbock	City of Lubbock	2021
McAlister LOMR	ICPR	Playa System E4A, E4B, and E9	City of Lubbock	2020

Additional flood-related models being considered in the development of the region’s flood plan include large watershed studies for flood insurance studies by FEMA. These are included in the table below.

Table 4: List of Additional Models Relevant to the RFP

Model Title	Software	Study Area	Sponsor Entity	Date
Archer County Flood Insurance Study (FIS)	HEC-HMS HEC-RAS	Archer County	FEMA	2021
City of Albany FIS	NUDALLAS HEC-2	City of Albany	FEMA	1986
City of Levelland FIS	NUDALLAS	City of Levelland	FEMA	1990
City of Muleshoe FIS	NUDALLAS HEC-2	City of Muleshoe	FEMA	1989
City of Roscoe FIS	NUDALLAS	City of Roscoe	FEMA	1988
City of Snyder FIS	HEC-2	City of Snyder	FEMA	1980
City of Sweetwater FIS	HEC-2	City of Sweetwater	FEMA	1989
City of Throckmorton FIS	HEC-2	City of Throckmorton	FEMA	1976
Dawson County FIS	HEC-RAS	Dawson County	FEMA	2011
Eastland County FIS	WSP2	Eastland County	FEMA	1997
Fisher County FIS	HEC-HMS HEC-RAS	Fisher County	FEMA	2011
Hale County FIS	HEC-2	Hale County	FEMA	2011
Haskell County FIS	NUDALLAS HEC-2	Haskell County	FEMA	1987



Model Title	Software	Study Area	Sponsor Entity	Date
Jones County FIS	HEC-HMS HEC-RAS	Jones County	FEMA	2011
Lubbock County FIS	HEC-1 HEC-2 XP-SWMM HEC-RAS ICPR	Lubbock County	FEMA	2017
Nolan County FIS	HEC-2	Nolan County	FEMA	1990
Stephens County FIS	NUDALLAS HEC-2 HEC-RAS	Stephens County	FEMA	2019
Taylor County FIS	HEC-HMS HEC-RAS	Taylor County	FEMA	2012
Young County FIS	NUDALLAS HEC-2 HEC-RAS	Young County	FEMA	2019

**Attachment G: Flood Mitigation and Floodplain Management Goals Adopted by the RFPG**

Task 3B of the *Scope of Work* requires the RFPG to define the overarching flood mitigation and floodplain management goals for the regional flood plans. These goals will guide the overall approach and recommendations in the plan and, to ensure the coherence of the entire plan, will also be used in developing the recommendations for floodplain management.

The overarching goal of all regional flood plans must be “to protect against the loss of life and property”, as set forth in the Guidance Principles in 31 TAC §362.3. The Upper Brazos RFPG identified 8 areas of focus for the region, listed below, to contribute to the overarching state goal.

1. Perform FMEs to Confirm Flood Risk
2. Improve Safety at Low Water Crossings
3. Improve Safety at Dams
4. Reduce Number of Structures in 1% Existing Floodplain
5. Encourage Reduction in Agricultural/Energy Flood Losses
6. Enhanced Flood Awareness/Public Outreach
7. Create Dedicated Funding Sources
8. Enhance Floodplain Management Standards (NFIP or Equivalent)

Over 70% of the Upper Brazos region does not have FEMA effective or local floodplain risk maps. The highest priority identified by the RFPG is to obtain an adequate understanding of flood risk through performing FMEs. This will be the foundation to achieving the goals of the other focus areas. The RFPG identified specific and achievable flood mitigation and floodplain management goals that, when implemented, will demonstrate progress towards these overarching goals. These goals were developed considering input from the stakeholder data collection survey and input from the RFPG during regular RFPG meetings. The goals adopted by the RFPG are presented in the table below.

***These flood mitigation and floodplain management goals were adopted by the RFPG per §361.36 on October 28, 2021 at the Upper Brazos RFPG Meeting.***

Table 5: List of Goals Adopted by the RFPG

Goal ID	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	How will the Goal be Measured	Overarching Goal	Associated Goal IDs
0700001A	Increase the availability of flood hazard data that uses the best available land use and precipitation data to reduce gaps in floodplain mapping by 25%.	Short Term (10 year)	2033	Entire RFPG	No change in flood risk; improves understanding of flood risk.	Number of evaluations performed.	Protect against loss of life; Perform FMEs to confirm flood risk.	0700001B
0700001B	Increase the availability of flood hazard data that uses the best available land use and precipitation data to reduce gaps in floodplain mapping by 75%.	Long Term (30 year)	2053	Entire RFPG	No change in flood risk; improves understanding of flood risk.	Number of evaluations performed.	Protect against loss of life; Perform FMEs to confirm flood risk.	0700001A
0700002A	Improve Safety at 20% Low Water Crossings through structural improvements and/or warning/signage systems.	Short Term (10 year)	2033	Entire RFPG	80% of Low Water Crossings have no change in flood risk.	Number of low water crossings with improved safety.	Protect against loss of life; Improve safety at low water crossings.	0700002B
0700002B	Improve Safety at 50% Low Water Crossings through structural improvements and/or warning/signage systems.	Long Term (30 year)	2053	Entire RFPG	50% of Low Water Crossings have no change in flood risk.	Number of low water crossings with improved safety.	Protect against loss of life; Improve safety at low water crossings.	0700002A
0700003A	Develop a baseline understanding of the risks associated with high and significant hazard and NRCS dams within the basin, including coordination with the Texas State Soil & Water Conservation Board dam maintenance plan.	Short Term (10 year)	2033	Entire RFPG	No change in flood risk; improves understanding of flood risk.	Number of dams with quantified flood risk.	Protect against loss of life; Improve safety at dams.	0700003B
0700003B	Participate in projects to bring 50% of deficient dams up to current state and/or federal standards.	Long Term (30 year)	2053	Entire RFPG	50% of deficient dams have no change in flood risk.	Number of dams improved.	Protect against loss of life; Improve safety at dams.	0700003A
0700004A	Reduce structures in 1% existing flood hazard layer by 5%.	Short Term (10 year)	2033	Entire RFPG	95% of structures have no change in flood risk.	Number of structures removed from 1% flood risk.	Protect against loss of property.	0700004B
0700004B	Reduce structures in 1% existing flood hazard layer by 15%.	Long Term (30 year)	2053	Entire RFPG	85% of structures have no change in flood risk.	Number of structures removed from 1% flood risk.	Protect against loss of property.	0700004A
0700005A	Reduce the vulnerability of agriculture, ranching, energy and forestry to flood-related losses by establishing a baseline measurement.	Short Term (10 year)	2033	Entire RFPG	No change in flood risk; improves understanding of flood risk.	Number of agriculture, ranching, energy and forestry properties with quantified flood risk.	Protect against loss of property.	0700005B
0700005B	Encourage best practices to reduce the vulnerability of agriculture, ranching, energy and forestry to flood-related losses through community outreach.	Long Term (30 year)	2053	Entire RFPG	No change in flood risk; improves understanding of flood risk.	Number of community outreach events for agriculture, ranching, energy and forestry flood risk.	Protect against loss of property.	0700005A
0700006A	Improve the participation of community stakeholder identities in the regional flood planning process by 25%.	Short Term (10 year)	2033	Entire RFPG	Entities not participating in the Regional Flood Plan have limited consideration in the Flood Plan.	Number of entities participating in the RFP process.	Protect against loss of life, property; Improve flood awareness.	0700006B
0700006B	Improve the participation of community stakeholder identities in the regional flood planning process by 75%.	Long Term (30 year)	2053	Entire RFPG	Entities not participating in the Regional Flood Plan have limited consideration in the Flood Plan.	Number of entities participating in the RFP process.	Protect against loss of life, property.	0700006A
0700006C	Encourage annual public outreach and education activities to improve awareness of flood hazards, flood planning, and projects associated with emergency response associated with flooding.	Long Term (30 year)	2053	Entire RFPG	No change in flood risk; improves understanding of flood risk.	Number of community outreach events for flood risk emergency response.	Protect against loss of life, property.	None
0700007A	Locate dedicated funding sources for 25% of cities with populations over 10,000 and 10% of counties. Locate funding sources for communities with populations less than 10,000.	Short Term (10 year)	2033	Entire RFPG	Entities without dedicated funding have no change in flood risk.	Number of entities with dedicated funding for flood risk reduction.	Protect against loss of life, property.	0700007B
0700007B	Locate dedicated funding sources for 50% of cities with populations over 10,000 and 30% of counties. Locate funding sources for communities with populations less than 10,000.	Long Term (30 year)	2053	Entire RFPG	Entities without dedicated funding have no change in flood risk.	Number of entities with dedicated funding for flood risk reduction.	Protect against loss of life, property.	0700007A

Goal ID	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	How will the Goal be Measured	Overarching Goal	Associated Goal IDs
0700008A	Increase the number of entities that have floodplain standards that meet or exceed the NFIP-minimum standards to 90% of cities with populations over 10,000 and 85% of counties.	Short Term (10 year)	2033	Entire RFPG	No change in flood risk; improves understanding of flood risk; reduces improvement and new development flood risk.	Number of entities participating in NFIP or with equivalent standards.	Protect against loss of life, property; Enhance floodplain management standards.	0700008B
0700008B	Increase the number of entities that have floodplain standards that meet or exceed the NFIP-minimum standards to 100% of cities with populations over 10,000 and 100% of counties.	Long Term (30 year)	2053	Entire RFPG	No change in flood risk; improves understanding of flood risk; reduces improvement and new development flood risk.	Number of entities participating in NFIP or with equivalent standards.	Protect against loss of life, property; Enhance floodplain management standards.	0700008A
0700008C	Increase the number of entities that designate the 1% annual chance floodplain on Future Land Use plans that serve as the basis for zoning regulations to 90% of cities with populations over 10,000 and 85% of counties.	Short Term (10 year)	2033	Entire RFPG	No change in flood risk; improves understanding of flood risk; reduces improvement and new development flood risk.	Number of entities with 1% flood risk consideration on Future Land Use plans.	Protect against loss of life, property; Enhance floodplain management standards.	0700008D
0700008D	Increase the number of entities that designate the 1% annual chance floodplain on Future Land Use plans that serve as the basis for zoning regulations to 100% of cities with populations over 10,000 and 100% of counties.	Long Term (30 year)	2053	Entire RFPG	No change in flood risk; improves understanding of flood risk; reduces improvement and new development flood risk.	Number of entities with 1% flood risk consideration on Future Land Use plans.	Protect against loss of life, property; Enhance floodplain management standards.	0700008C
0700008E	Encourage all communities to avoid new exposure to flood hazards by adopting comprehensive plans and subdivision regulations that direct development away from the floodplain.	Long Term (30 year)	2053	Entire RFPG	No change in flood risk; improves understanding of flood risk; reduces improvement and new development flood risk.	Number of entities with development standards related to flooding.	Protect against loss of life, property; Enhance floodplain management standards.	None

## Attachment H: Documented Process Used by the RFPG To Identify Potentially Feasible FMSs And FMPs.

*The following memorandum documenting the process for Task 4 was reviewed and approved on December 03, 2021 at the Upper Brazos RFPG Meeting.*

### Introduction

Freese and Nichols (FNI) has been retained as the Technical Consultant (TC) to the Upper Brazos Regional Flood Planning Group (RFPG) to develop the first ever Regional Flood Plan (RFP) for the basin, as part of the state flood planning process administered by the Texas Water Development Board (TWDB). A major component of the project is to identify, evaluate, and recommend Flood Management Evaluations (FMEs), Flood Mitigation Projects (FMPs), and Flood Management Strategies (FMSs) to be included in the RFP and the cumulative State Flood Plan (SFP).

The *Scope of Work (SOW)* developed by TWDB includes a requirement to “receive public comment on a proposed process to be used by the RFPG to identify and select FMEs, FMSs, and FMPs for the 2023 Regional Flood Plan.” This Technical Memorandum (TM) has been furnished to provide background information about the overall flood planning process and the associated technical requirements and to document the TC’s proposed process for this task. It is intended to comply with the *SOW* and the relevant provisions of *Title 31* of the *Texas Administrative Code (TAC) Chapters 361* and *362 (Rules)* which serve as the statute and rules that govern regional flood planning.

### Definitions

This section provides definitions of key terms from the *Technical Guidelines for Regional Flood Planning* prepared by the TWDB.

A **Flood Management Evaluation (FME)** is a proposed flood study of a specific, flood-prone area that is needed in order to assess flood risk and/or determine whether there are potentially feasible FMSs or FMPs.

A **Flood Mitigation Project (FMP)** is a proposed project, either structural or non-structural, that has non-zero capital costs or other non-recurring cost and when implemented will reduce flood risk, mitigate flood hazards to life or property.

A **Flood Management Strategy (FMS)** is a proposed plan to reduce flood risk or mitigate flood hazards to life or property. At a minimum, RFPGs should include as FMSs any proposed action that the group would like to identify, evaluate, and recommend that does not qualify as either a FME or FMP.

### Background

Identification and evaluation of FMEs, FMPs, and FMSs occurs under *Task 4B*, with recommendations being developed as part *Task 5*. Each of these recommendations must tie back to the floodplain management goals adopted by the RFPG and must contribute to the assessment and mitigation of flood risk across the basin.

FMEs, FMSs, and FMPs are broadly categorized as “flood risk reduction projects” in the *Technical Guidelines*. The *Technical Guidelines* also list several potential project types for each subcategory, summarized in **Table 6** below:

Table 6: Flood Risk Reduction Project Types

Flood Risk Reduction Project Category	Project Types
<p><b>Flood Management Evaluation (FME)</b></p>	<ul style="list-style-type: none"> <li>a. Watershed Planning                             <ul style="list-style-type: none"> <li>i. H&amp;H Modeling</li> <li>ii. Flood Mapping Updates</li> <li>iii. Regional Watershed Studies</li> </ul> </li> <li>b. Engineering Project Planning                             <ul style="list-style-type: none"> <li>i. Feasibility Assessments</li> </ul> </li> <li>c. Preliminary Engineering (alternative analysis and up to 30% design)</li> <li>d. Studies on Flood Preparedness</li> </ul>
<p><b>Flood Mitigation Project (FMP)</b></p>	<p><b>Structural</b></p> <ul style="list-style-type: none"> <li>a. Low Water Crossings or Bridge Improvements</li> <li>b. Infrastructure (channels, ditches, ponds, stormwater pipes, etc.)</li> <li>c. Regional Detention</li> <li>d. Regional Channel Improvements</li> <li>e. Storm Drain Improvements</li> <li>f. Reservoirs</li> <li>g. Dam Improvements, Maintenance, and Repair</li> <li>h. Flood Walls/Levees</li> <li>i. Nature Based Projects – living levees, increasing storage, increasing channel roughness, increasing losses, de-synchronizing peak flows, dune management, river restoration, riparian restoration, run-off pathway management, wetland restoration, low impact development, green infrastructure, playas improvements</li> <li>j. Comprehensive Regional Project – includes a combination of projects intended to work together</li> </ul> <p><b>Non-Structural</b></p> <ul style="list-style-type: none"> <li>a. Property or Easement Acquisition</li> <li>b. Elevation of Individual Structures</li> <li>c. Flood Readiness and Resilience</li> <li>d. Flood Early Warning Systems, including stream gauges and monitoring stations</li> <li>e. Floodproofing</li> <li>f. Regulatory Requirements for Reduction of Flood Risk</li> </ul>
<p><b>Flood Management Strategy (FMS)</b></p>	<p>None specified; at a minimum, RFPGs should include as FMSs any proposed action that the group would like to identify, evaluate, and recommend that does not qualify as either a FME or FMP.</p>

Particularly during this first round of flood planning, several areas are likely to be identified as potential FMEs due to a lack of sufficiently complete or current flood study data to accurately evaluate and quantify flood risk. Unsurprisingly, not every conceivable FME can or will be recommended for inclusion in the plan. The RFPG must decide which potential FMEs will be recommended in the RFP so that limited state and stakeholder resources can be directed efficiently and accordingly to implement those studies.

Similarly, regional stakeholders will likely have several projects and strategies for managing flood risk that could be candidates for inclusion in the plan and eligibility for state funding. Each FMP and FMS identified by the technical consultant will be screened to determine if the FMP or FMS is potentially feasible. At a minimum, FMPs and FMSs



must be developed in an adequate level of detail to furnish the required technical information and adhere to the minimum criteria set forth in the *SOW*, the *Rules*, and the *Technical Guidelines*.

For FMPs, these minimum criteria include having appropriate hydrologic and hydraulic (H&H) models required to evaluate the project that adhere to Mapping and Modeling Guidelines and a requirement that the FMP cause No Negative Impact on a neighboring area. These requirements must also be met for FMSs, as applicable. These standards are described in *Section 3.5* and *Section 3.6* of the *Technical Guidelines*.

**Process for Identification of Potential FMEs and Potentially Feasible FMPs and FMSs**

Identification

Identification of potential FMEs and potentially feasible FMPs and FMSs begins with the development of the Flood Mitigation Needs Analysis (*Task 4A*). Generally, this task is meant to guide action evaluation and recommendation by highlighting:

- The areas with the greatest gaps in flood risk knowledge that should be considered for potential FMEs.
- The areas of greatest known flood risk and flood mitigation needs that should be considered for implementation of potentially feasible FMSs and FMPs.

FNI has developed a process for identifying areas of greatest need based on application of the requirements outlined in the *Rules* and *SOW*. The process is summarized in **Table 7**, below.

Table 7: Guidance for Assessment and Identification of Flood Mitigation Needs

Guidance	Factors to Consider
1. Most prone to flooding that threatens life and property	<ul style="list-style-type: none"> <li>• Area overlapped by inundation mapping and/or included in any historical flooding record</li> <li>• Building footprints / polygons within flood hazard layer</li> <li>• Fully developed flood models (where available)</li> <li>• Low water crossings</li> <li>• Agricultural areas at risk of flooding</li> </ul>
2. Locations, extent and performance of current floodplain management and land use policies and infrastructure	<ul style="list-style-type: none"> <li>• Communities not participating in NFIP and/or without NFIP equivalent or higher standards</li> <li>• City / County design manuals</li> <li>• Community Rating Score (CRS)</li> <li>• Land use policies</li> <li>• Floodplain ordinance(s)</li> </ul>
3. Inadequate inundation mapping	<ul style="list-style-type: none"> <li>• No mapping</li> <li>• Presence of Fathom / BLE / FEMA Zone A flood risk data</li> <li>• Detailed FEMA models older than 10 years</li> </ul>
4. No H&H models	<ul style="list-style-type: none"> <li>• Communities with zero models</li> <li>• Communities with limited models</li> </ul>
5. Emergency need	<ul style="list-style-type: none"> <li>• Damaged or failing infrastructure</li> <li>• Other emergency conditions</li> </ul>
6. Existing models, analysis, and flood risk mitigation plans	<ul style="list-style-type: none"> <li>• Exclude flood mitigation plans already in implementation</li> <li>• Leverage existing models, analyses, and flood risk mitigation plans</li> </ul>

Guidance	Factors to Consider
7. Already identified and evaluated flood mitigation projects	<ul style="list-style-type: none"> <li>• Exclude flood mitigation projects already in implementation</li> <li>• Leverage existing flood mitigation projects</li> </ul>
8. Historic flooding events	<ul style="list-style-type: none"> <li>• Disaster declarations</li> <li>• Flood insurance claim information</li> <li>• Other significant local events</li> </ul>
9. Already implemented flood mitigation projects	<ul style="list-style-type: none"> <li>• Exclude areas where flood mitigation projects have already been implemented unless significant residual risk remains</li> </ul>
10. Additional other factors deemed relevant by RFPG	<ul style="list-style-type: none"> <li>• Alignment with RFPG goals</li> <li>• Alignment with TWDB guidance principles</li> </ul>

After identification of the areas of greatest flood mitigation need, the TC will review the available data to develop a list of potential flood risk reduction actions for addressing the needs in these areas. The data will include information compiled under previous tasks in the SOW, including:

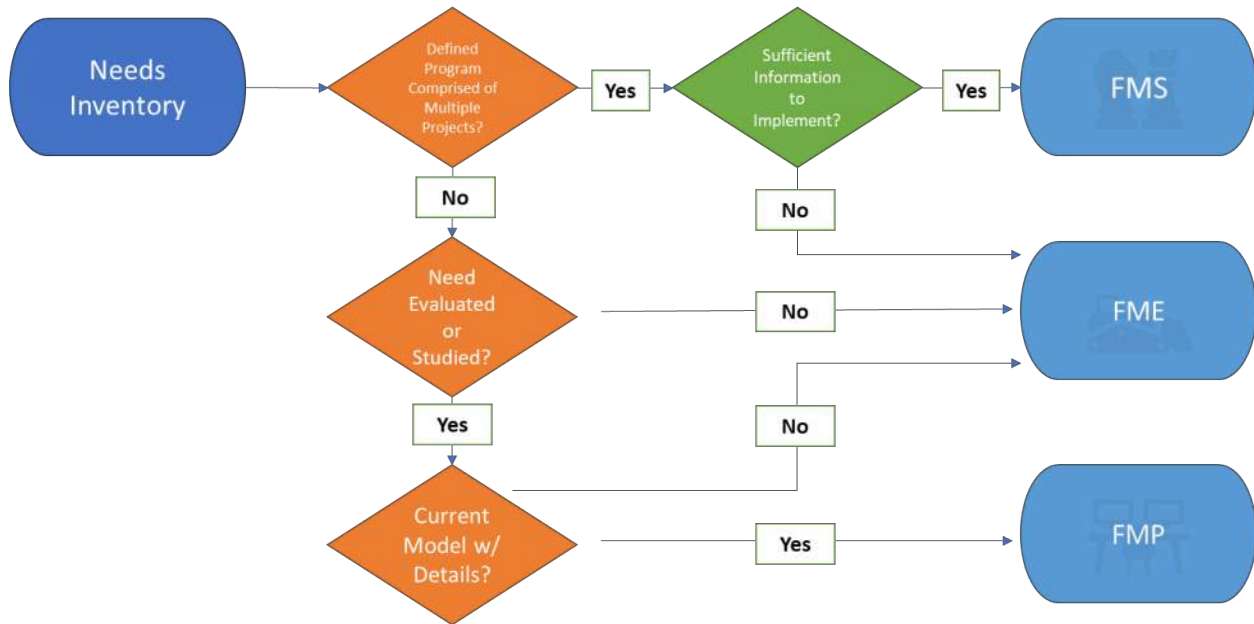
- Data collection regarding existing flood infrastructure, flood projects currently in progress, and known flood mitigation needs (*Task 1*);
- Quantification of existing and future flood risk exposure and vulnerability (*Tasks 2A and 2B*);
- Goals and strategies adopted and/or recommended by the RFPG for addressing existing flood hazards and mitigating future flood risk (*Tasks 3A and 3B*); and,
- Stakeholder-provided input throughout the flood planning process.

It is anticipated that several potential actions will be identified, primarily FMEs to address gaps in flood risk data associated with the first planning cycle. The *Rules* and *SOW* require FMSs and FMPs to be developed in a sufficient level of detail to be included in the RFP and recommended for state funding. It is not anticipated that the TC will have sufficient data, time, or budget to develop new FMSs and FMPs as part of this planning cycle. Rather, the list of potentially feasible FMSs and FMPs will be compiled based on contributions from the RFPG and other regional stakeholders from sources such as previous flood studies, drainage master plans, and capital improvement programs.

**Evaluation**

Once potential flood risk reduction actions are identified, a screening process will be performed to sort actions into their appropriate categorization. The screening process to be implemented by the TC is shown below in **Figure 2**.

Figure 2: Potential Flood Risk Reduction Action Screening Process



In addition to falling into the general buckets of action types outlined in **Table 7**, FMPs and FMSs will be screened to determine if they have been developed in enough detail and include current technical data to meet the TWDB’s requirements for these action types as outlined in the *Technical Guidelines*. Actions that were initially considered for FMSs and FMPs that do not meet these requirements may be recommended for future study as part of an FME.

**Selection**

The TC will seek to identify and recommend a comprehensive list of potential flood risk reduction actions for inclusion in the RFP. In practice, this means that as many FMPs and FMSs as possible will be recommended which have information available to meet the detailed requirements in the *Technical Guidelines*. FMSs will also be recommended for other strategies the RFPG wishes to pursue that do not fit cleanly into the FME and FMP categorizations. One example of a potential FMS is a program of separate FMPs that is part of an overall strategy to reduce flood risk within a particular area, such as a community-wide buyout program to be implemented over several years. Generally, FMEs will be recommended for any remaining areas with potential flood risk and exposure of people and property based on results of *Task 4A*.

All recommended actions must meet the technical requirements of the *Technical Guidelines*, including demonstrating No Negative Impacts and identifying at least one local sponsor. However, some potential actions that meet these baseline requirements may not be appropriate for recommendation. While this is not a comprehensive list, some potential reasons a project may not be recommended include:

- Action does not achieve flood risk reduction
- Action does not align with the flood mitigation goal(s) adopted by the region and/or the guidance principles set forth by the state
- Action does not demonstrate benefits at a scale appropriate for inclusion in a regional plan
- Action duplicates the benefits of another action(s) included in the plan
- Action cannot obtain an MOU or other form of concurrence from impacted entities

- Action does not demonstrate a sensible benefit-cost ratio or other metric
- Public input regarding the action demonstrates a need for further evaluation or consensus building with regional stakeholders
- Action does not receive a simple majority vote from a quorum of the RFPG members for inclusion in the RFP.

**Schedule**

The process to identify and evaluate FMEs, FMPs, and FMSs must be approved by the RFPG and included in the interim Technical Memorandum (ITM) furnished under *Task 4C* of the *SOW*. This deliverable deadline has been set for January 7, 2022, by the TWDB. After the delivery of the ITM, the TWDB will review and provide Notice to Proceed (NTP) on *Task 5*, after which the TC may begin the process of recommending flood risk reduction projects for inclusion in the RFP. The TWDB has not provided an anticipated date for issuance of NTP. As such, the schedule provided in **Table 8** below is the TC’s proposed timeline of activities to meet the ITM deadline and anticipated schedule of activities after NTP on *Task 5*.

Table 8: Proposed Timeline of Activities

Project Activity	Date
TC deliver <i>Process for Identification and Evaluation of Potential FMEs and Potentially Feasible FMPs and FMSs</i> TM to RFPG for review	November 19, 2021
RFPG vote to approve process at December meeting	December 3, 2021
TC present identified potential FMEs and potentially feasible FMPs and FMSs to RFPG at December meeting	December 3, 2021
RFPG vote to approve and submit ITM	December 3 or 16, 2021
TC deliver ITM to TWDB	January 7, 2022
TWDB review ITM; TC continue process to evaluate FMEs, FMPs, and FMSs	January 2022 – April 2022
TWDB issue NTP on Task 5; TC to begin process of recommending FMEs, FMPs, and FMS for inclusion in RFP	TBD (after NTP by TWDB)

When reviewing and considering whether to approve drafts of the ITM, the RFPG members should do so with the understanding that the TWDB has established the purpose of the ITM “to be a draft, mid-point, work-in-progress deliverable...to demonstrate that [the RFPG] are making appropriate progress towards the development of their regional flood plan and in meeting contract requirements.” The TWDB has further clarified that:

“If RFPGs need to make changes to content that was included in deliverables submitted under the technical memorandum [ITM] after the submission’s deadline, RFPGs do not need to resubmit any previously submitted deliverables. The content of the draft and final versions of each regional flood plan will supersede all content included in any previous deliverables.”

As such, the ITM does not need to include a comprehensive list of potential flood risk reduction projects. Projects can be updated, added, or removed as additional flood risk information or project details are evaluated by the TC and through future engagement with stakeholders.

**Attachment I: List of Potential FMEs and Potentially Feasible FMSs and FMPs**

Potential flood mitigation actions, including FMEs, FMPs, and FMSs, are outlined in the following collection of tables. The list of potential flood mitigation actions was compiled based on the process outlined in Attachment H above. Efforts on the Needs Analysis are ongoing to incorporate the recent release of Fathom floodplain data.

As can be expected during the first planning cycle, FMEs comprise a majority of the identified potential flood mitigation actions, since flood risk and planning information has not been assessed at a regional or statewide scale to this point. The table below lists the potential FMEs that have been identified at this point in time, which comprise a majority of the identified potential flood mitigation actions.

The first types of FMEs are related to FEMA mapping for counties that currently have no FEMA mapping and for counties that have had mapping done before, but it is now outdated. The next types of FMEs are drainage master plans (DMP), which allow for more detailed studies that can identify areas of concern for future projects and development. These cities and counties are being identified based on projects listed in adopted Hazard Mitigation Action Plans (HMAPs), survey responses listing flood related concerns, and municipalities within high-risk HUC12s according to the Needs Analysis (in progress). Additional FMEs were developed based on survey responses. Further coordination with stakeholders is anticipated to evaluate the availability and accuracy of supporting data and to adjust project descriptions, if necessary.

Table 9: List of Potential Flood Mitigation Evaluations

FME ID	FME Name	Description	Associated Goals	Counties	Study Type	Sponsor
071000001	Bailey County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	Bailey	Watershed Planning	Bailey
071000002	Baylor County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	Baylor	Watershed Planning	Baylor
071000003	Borden County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	Borden	Watershed Planning	Borden
071000004	Callahan County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	Callahan	Watershed Planning	Callahan
071000005	Cochran County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	Cochran	Watershed Planning	Cochran
071000006	Crosby County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	Crosby	Watershed Planning	Crosby
071000007	Dickens County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	Dickens	Watershed Planning	Dickens
071000008	Fisher County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	Fisher	Watershed Planning	Fisher
071000009	Garza County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	Garza	Watershed Planning	Garza
071000010	Kent County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	Kent	Watershed Planning	Kent
071000011	King County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	King	Watershed Planning	King
071000012	Knox County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	Knox	Watershed Planning	Knox
071000013	Lamb County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	Lamb	Watershed Planning	Lamb
071000014	Lynn County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	Lynn	Watershed Planning	Lynn
071000015	Parmer County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	Parmer	Watershed Planning	Parmer
071000016	Stonewall County Initial FEMA Mapping	Create FEMA Mapping in previously unmapped areas	0700001A, 0700001B	Stonewall	Watershed Planning	Stonewall
071000017	Castro County Update FEMA Mapping	Update existing FEMA mapping	0700001A, 0700001B	Castro	Watershed Planning	Castro
071000018	City of Abilene Update FEMA Mapping	Update City of Abilene models to modern software, update FEMA maps	0700001A, 0700001B	Taylor	Watershed Planning	City of Abilene
071000019	Eastland County Update FEMA Mapping	Update existing FEMA mapping	0700001A, 0700001B	Eastland	Watershed Planning	Eastland
071000020	Floyd County Update FEMA Mapping	Update existing FEMA mapping	0700001A, 0700001B	Floyd	Watershed Planning	Floyd
071000021	Haskell County Update FEMA Mapping	Update existing FEMA mapping	0700001A, 0700001B	Haskell	Watershed Planning	Haskell
071000022	Hockley County Update FEMA Mapping	Update existing FEMA mapping	0700001A, 0700001B	Hockley	Watershed Planning	Hockley
071000023	Mitchell County Update FEMA Mapping	Update existing FEMA mapping	0700001A, 0700001B	Mitchell	Watershed Planning	Mitchell
071000024	Nolan County Update FEMA Mapping	Update existing FEMA mapping	0700001A, 0700001B	Nolan	Watershed Planning	Nolan
071000025	Scurry County Update FEMA Mapping	Update existing FEMA mapping	0700001A, 0700001B	Scurry	Watershed Planning	Scurry
071000026	Shackelford County Update FEMA Mapping	Update existing FEMA mapping	0700001A, 0700001B	Shackelford	Watershed Planning	Shackelford
071000027	Stephens County Update FEMA Mapping	Update existing FEMA mapping	0700001A, 0700001B	Stephens	Watershed Planning	Stephens
071000028	Swisher County Update FEMA Mapping	Update existing FEMA mapping	0700001A, 0700001B	Swisher	Watershed Planning	Swisher
071000029	Terry County Update FEMA Mapping	Update existing FEMA mapping	0700001A, 0700001B	Terry	Watershed Planning	Terry
071000030	Throckmorton County Update FEMA Mapping	Update existing FEMA mapping	0700001A, 0700001B	Throckmorton	Watershed Planning	Throckmorton

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FME ID	FME Name	Description	Associated Goals	Counties	Study Type	Sponsor
071000031	Baylor County Drainage Master Plan (DMP)	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Baylor	Watershed Planning	Baylor
071000032	Callahan County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Callahan	Watershed Planning	Callahan
071000033	Castro County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Castro	Watershed Planning	Castro
071000034	City of Albany DMP	Evaluate city storm infrastructure and floodways for adequate capacity.	0700001A, 0700001B	Shackelford	Watershed Planning	City of Albany
071000035	City of Amherst DMP	Evaluate City of Amherst for a Storm Water Master Plan.	0700001A, 0700001B	Lamb	Watershed Planning	City of Amherst
071000036	City of Anson DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Jones	Watershed Planning	City of Anson
071000037	City of Clyde DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Identify stream restoration / channelization needs.	0700001A, 0700001B	Callahan	Watershed Planning	City of Clyde
071000038	City of Earth DMP	Evaluate City of Earth for a Storm Water Master Plan, flood ordinances, and policies.	0700001A, 0700001B	Lamb	Watershed Planning	City of Earth
071000039	City of Graham DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Determine locations for additional detention/retention basins.	0700001A, 0700001B	Young	Watershed Planning	City of Graham
071000040	City of Hamlin DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Jones	Watershed Planning	City of Hamlin
071000041	City of Littlefield DMP	Evaluate City of Littlefield for a Storm Water Master Plan, flood ordinances, and policies.	0700001A, 0700001B	Lamb	Watershed Planning	City of Littlefield
071000042	City of Oltan DMP	Evaluate City of Olton for a Storm Water Master Plan, flood ordinances, and policies.	0700001A, 0700001B	Lamb	Watershed Planning	City of Lotan
071000043	City of Moran DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Shackelford	Watershed Planning	City of Moran
071000044	City of Munday DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Knox	Watershed Planning	City of Munday
071000045	City of New Home DMP	Evaluate City of New Home for a Storm Water Master Plan, flood ordinances, and policies.	0700001A, 0700001B	Lynn	Watershed Planning	City of New Home
071000046	City of Newcastle DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Determine locations for additional detention/retention basins.	0700001A, 0700001B	Young	Watershed Planning	City of Newcastle
071000047	City of Post DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Garza	Watershed Planning	City of Post
071000048	City of Roscoe DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Nolan	Watershed Planning	City of Roscoe
071000049	City of Seymour DMP	Evaluate city to analyze roads/stream crossing for emergency response vehicles to high hazard areas. Evaluate city storm infrastructure for deficiencies.	0700001A, 0700001B	Baylor	Watershed Planning	City of Seymore
071000050	City of Springlake DMP	Evaluate City of Springlake for a Storm Water Master Plan, flood ordinances, and policies.	0700001A, 0700001B	Lamb	Watershed Planning	City of Springlake
071000051	City of Spur DMP	Emulate the City of Spur storm infrastructure. Determine level of service, recommend improvements.	0700001A, 0700001B	Dickens	Watershed Planning	City of Spur
071000052	City of Sudan DMP	Evaluate City of Sudan for a Storm Water Master Plan, flood ordinances, and policies.	0700001A, 0700001B	Lamb	Watershed Planning	City of Sudan



FME ID	FME Name	Description	Associated Goals	Counties	Study Type	Sponsor
071000053	City of Sweetwater DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Nolan	Watershed Planning	City of Sweetwater
071000054	City of Tahoka DMP	Evaluate City of Tahoka for a Storm Water Master Plan, flood ordinances, and policies.	0700001A, 0700001B	Lynn	Watershed Planning	City of Tahoka
071000055	City of Tuscola DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Taylor	Watershed Planning	City of Tuscola
071000056	City of Tye DMP	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Taylor	Watershed Planning	City of Tye
071000057	City of Wilson DMP	Evaluate City of Wilson for a Storm Water Master Plan, flood ordinances, and policies.	0700001A, 0700001B	Lynn	Watershed Planning	City of Wilson
071000058	Cochran County DMP	Identify bridge and culvert crossings damaged by past flooding events. Create a GIS map and assessment condition report for each structure.	0700001A, 0700001B	Cochran	Watershed Planning	Cochran
071000059	Dickens County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Dickens	Watershed Planning	Dickens
071000060	Fisher County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Fisher	Watershed Planning	Fisher
071000061	Garza County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Garza	Watershed Planning	Garza
071000062	Haskell County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Haskell	Watershed Planning	Haskell
071000063	Jones County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Jones	Watershed Planning	Jones
071000064	Kent County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Kent	Watershed Planning	Kent
071000065	Knox County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Knox	Watershed Planning	Knox
071000066	Lamb County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Lamb	Watershed Planning	Lamb
071000067	Lynn County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Lynn	Watershed Planning	Lynn
071000068	Mitchell County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Mitchell	Watershed Planning	Mitchell
071000069	Nolan County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Nolan	Watershed Planning	Nolan
071000070	Parmer County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Parmer	Watershed Planning	Parmer
071000071	Scurry County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Scurry	Watershed Planning	Scurry
071000072	Shackelford County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Shackelford	Watershed Planning	Shackelford
071000073	Stephens County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Stephens	Watershed Planning	Stephens
071000074	Stephens County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Stephens	Watershed Planning	Stephens
071000075	Stonewall County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Stonewall	Watershed Planning	Stonewall
071000076	Swisher County DMP	Evaluate the TxDOT low water crossings county-wide	0700001A, 0700001B	Swisher	Watershed Planning	Swisher

FME ID	FME Name	Description	Associated Goals	Counties	Study Type	Sponsor
071000077	Taylor County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Taylor	Watershed Planning	Taylor
071000078	Throckmorton County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Throckmorton	Watershed Planning	Throckmorton
071000079	Town of Aspermont DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Stonewall	Watershed Planning	Town of Aspermont
071000080	Town of Buffalo Gap DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Evaluate areas with repetitive losses. Recommend mitigation needs.	0700001A, 0700001B	Taylor	Watershed Planning	Town of Buffalo Gap
071000081	Town of Megargel DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Evaluate the storm drain system for capacity and functionality.	0700001A, 0700001B	Archer	Watershed Planning	Town of Megargel
071000082	Town of Rochester DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Haskell	Watershed Planning	Town of Rochester
071000083	Town of Rule DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Haskell	Watershed Planning	Town of Rule
071000084	Town of Woodson DMP	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Throckmorton	Watershed Planning	Town of Woodson
071000085	Young County DMP	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	0700001A, 0700001B	Young	Watershed Planning	Young
071000086	Archer County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Archer	Other	Archer
071000087	Bailey County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Bailey	Other	Bailey
071000088	Baylor County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Baylor	Other	Baylor
071000089	Borden County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Borden	Other	Borden
071000090	Callahan County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Callahan	Other	Callahan
071000091	Castro County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Castro	Other	Castro
071000092	Cochran County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Cochran	Other	Cochran
071000093	Crosby County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Crosby	Other	Crosby
071000094	Dawson County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Dawson	Other	Dawson
071000095	Dickens County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Dickens	Other	Dickens
071000096	Eastland County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Eastland	Other	Eastland
071000097	Fisher County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Fisher	Other	Fisher
071000098	Floyd County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Floyd	Other	Floyd
071000099	Garza County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Garza	Other	Garza
071000100	Haskell County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Haskell	Other	Haskell
071000101	Hockley County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Hockley	Other	Hockley
071000102	Kent County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Kent	Other	Kent
071000103	King County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	King	Other	King
071000104	Knox County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Knox	Other	Knox
071000105	Lamb County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Lamb	Other	Lamb
071000106	Lynn County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Lynn	Other	Lynn
071000107	Mitchell County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Mitchell	Other	Mitchell
071000108	Nolan County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Nolan	Other	Nolan
071000109	Parmer County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Parmer	Other	Parmer

FME ID	FME Name	Description	Associated Goals	Counties	Study Type	Sponsor
071000110	Scurry County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Scurry	Other	Scurry
071000111	Shackelford County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Shackelford	Other	Shackelford
071000112	Stephens County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Stephens	Other	Stephens
071000113	Stonewall County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Stonewall	Other	Stonewall
071000114	Swisher County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Swisher	Other	Swisher
071000115	Taylor County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Taylor	Other	Taylor
071000116	Terry County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Terry	Other	Terry
071000117	Throckmorton County GIS Development	Develop a GIS inventory of stormwater infrastructure	0700001A, 0700001B	Throckmorton	Other	Throckmorton
071000118	Lake Benjamin Dam Evaluation	Perform full H&H analysis and dam assessment of Lake Benjamin Dam. Assess needs for slope stability and spillway improvements.	0700001A, 0700001B	Knox	Project Planning	Knox
071000119	Canal Street Study	H&H Study to review drainage problems on Canal Street, Knox City to determine mitigation efforts to reduce flooding.	0700001A, 0700001B	Knox	Project Planning	Knox City
071000120	John Montford Dam Evaluation	Access the current condition of the intake tower, bridge and structure at John Montford Dam. Evaluate the seepage through the Dam.	0700001A, 0700001B	Lubbock	Project Planning	Lubbock

Potentially feasible FMPs listed in the table below were identified based on responses to the survey, review of previous studies, and ongoing coordination with stakeholders. As they are further evaluated, these FMPs may be reclassified as FMEs if they lack information necessary for complete evaluation and recommendation. Additional FMPs may be identified through future outreach efforts and through the execution of FMEs.

Table 10: Potentially Feasible Flood Mitigation Projects

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	Project Type	Sponsor
073000001	City of Abilene Elm Creek Diversion	Upstream detention / bypass on Elm Creek	0700002A, 0700002B, 0700004A, 0700004B	Taylor	Infrastructure	City of Abilene
073000002	City of Abilene Catclaw Creek From S. 11th to S. 7th	Enhance storage capacity of creek channel, raise Sammons Street and regional detention improvements	0700002A, 0700002B, 0700004A, 0700004B	Taylor	Infrastructure	City of Abilene
073000003	City of Abilene Operations of Lake Abilene	Increase available flood storage in the reservoir	0700002A, 0700002B, 0700004A, 0700004B	Taylor	Infrastructure	City of Abilene
073000004	City of Abilene Little Elm Creek at S. 7th Street	Channel improvements, enlargement of culvert under South 7th and overflow detention	0700002A, 0700002B, 0700004A, 0700004B	Taylor	Infrastructure	City of Abilene
073000005	City of Abilene Buttonwillow Creek Crossing	Replacement of low water crossing	0700002A, 0700002B	Taylor	LWC Improvement	City of Abilene
073000006	City of Abilene Elm Creek Detention below Southwest Drive	Proposed detention pond	0700002A, 0700002B, 0700004A, 0700004B	Taylor	Infrastructure	City of Abilene
073000007	City of Abilene Treadway and S. 27th Street	Construction of new storms drains and valley gutters	0700002A, 0700002B, 0700004A, 0700004B	Taylor	Infrastructure	City of Abilene
073000008	City of Abilene Downtown Railroad Underpasses	Installation of sensors at three railroad underpass to monitor water levels	0700006C	Taylor	Early Warning Systems	City of Abilene
073000009	City of Abilene Buttonwillow Upstream Detention	Regional detention pond	0700002A, 0700002B, 0700004A, 0700004B	Taylor	Infrastructure	City of Abilene
073000010	City of Abilene Improve Curry Lane Detention Pond	Installation of drainage flumes and curb and gutter along Curry Lane, construction of bypass pipe from Catclaw Creek, deepening of existing detention pond and extension of storm drain in Curry Lane	0700002A, 0700002B, 0700004A, 0700004B	Taylor	Infrastructure	City of Abilene
073000011	Lake Alan Henry Dam Rehab	Enhance lake capacity and harden dam structure	0700003B	Garza	Dam Improvements	Garza
073000012	Fisher County Flood Protection Dam	Flood protection dams north of Rotan	0700003B	Fisher	Infrastructure	Fisher
073000013	South Lake Improvements	Dam hardening	0700003B	Jones	Dam Improvements	Jones

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	Project Type	Sponsor
073000014	South Lake Improvements	Water diversion	0700002A, 0700002B, 0700004A, 0700004B	Jones	Infrastructure	Jones
073000015	Lake Benjamin Improvements	Reinforcement of slopes and dam spillway	0700003B	Knox	Dam Improvements	Knox
073000016	Lake Stamford Improvements	Expand spillway	0700003B	Haskell	Dam Improvements	Haskell
073000017	McMillan Dam Warning System	Enhance and expand existing limited alert system equipment currently in place at McMillan Dam	0700003B	Lubbock	Early Warning Systems	Village of Buffalo Springs, Town of Ransom Canyon
073000018	Ransom Canyon Evacuation Route	As part of the Village's Emergency Operations Plan, construct an alternate evacuation route for residents affected by McMillan Dam failure	0700003B	Lubbock	Infrastructure	Town of Ransom Canyon
073000019	Idalou Playa Lake Improvements	Establish native grass buffers around Playa Lakes to filter out soil and contaminants from flooding; replenish dry Playa Lakes to ensure protection of aquifers and mitigate declining water tables due to drought.	None	Lubbock	Nature Based Project	City of Idalou
073000020	City of Lubbock Traffic Signal Mitigation	Replace regulatory and warning traffic signs, install breakaway poles within the City limits, and install pavement markings at intersections and school zones to mitigate flood velocity damage during flooding events.	0700002A, 0700002B	Lubbock	Infrastructure	City of Lubbock
073000021	McMillian Dam High Risk Repairs	Make repairs to McMillan Dam as identified as high risk by TCEQ to prevent failure.	0700003B	Lubbock	Dam Improvements	Lubbock
073000022	Taylor County Gauge/Flood Barrier Program	Install automated creek rain gauges and automated barriers for flooded roadways.	0700002A, 0700002B	Taylor	Early Warning Systems	Taylor
073000023	Hamlin Dam Improvements	Harden earthen dam at Hamlin South Lake per request of TCEQ.	0700003B	Jones	Dam Improvements	Jones
073000024	Hamlin South Lake Dam Diversion	Divert water to prevent breaching of Hamlin South Lake Dam.	0700003B	Jones	Infrastructure	Jones
073000025	Nolan County Warning System	Install county-wide outdoor warning sirens for any emergency of natural and/or man-made hazardous events. The warning sirens would be strategically placed in the following locations within the County: Cities of Sweetwater, Roscoe, Blackwell, Nolan, Maryneal and Lake Sweetwater area.	0700002A, 0700002B, 0700006C	Nolan	Early Warning Systems	Nolan
073000026	Mitchell County -Kindred Street Project	Acquire land and identify, through engineering analysis, off-site detention in order to handle runoff from culvert project identified on Kindred Street. Implement the most cost-effective solution to reduce or eliminate flooding in the project area.	0700002A, 0700002B, 0700004A, 0700004B	Mitchell	Infrastructure	Mitchell
073000027	Parmer Buyout Program	Buy out 5 properties, pending owners' voluntary agreement, along East St., that are directly across from the playa lake and to make the area into open green space	0700004A, 0700004B	Parmer	Property Acquisition	Parmer
073000028	City of Lubbock 29 <sup>th</sup> & Boston CIP	Storm drain improvements including 96" main and inlets	0700002A, 0700002B, 0700004A, 0700004B	Lubbock	Infrastructure	City of Lubbock
073000029	City of Lubbock 4 <sup>th</sup> St & Elkhart Ave CIP	Construct box culverts under both 4th Street and Elkhart Ave. Provide compensatory excavation between 4th and Elkhart to offset increased discharge from hydraulic connection. Construct earthen dam in West Wind channel to maintain playa overflow elevation in Playa 071.	0700002A, 0700002B, 0700004A, 0700004B	Lubbock	Infrastructure	City of Lubbock
073000030	City of Lubbock 34 <sup>th</sup> St CIP	Balancing culverts, an elevated roadway and a drainage system parallel to the road between Upland and Milwaukee. Because this is a roadway construction project, suggest performing concept study to determine sizes, options and probable costs to support future Roadway CIP.	0700002A, 0700002B, 0700004A, 0700004B	Lubbock	Infrastructure	City of Lubbock



Several types of potentially feasible flood mitigation strategies are included as FMSs in the table below. These FMSs were identified through survey responses and the establishment of the region’s goals. As they are further evaluated, these FMSs may be reclassified as FMEs if they lack information necessary for complete evaluation and recommendation. Additional FMSs may be identified through future outreach efforts and through the execution of FMEs.

Table 11: Potentially Feasible Flood Mitigation Strategies

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	Project Type	Sponsor
072000001	Bailey County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Bailey	Regulatory and Guidance	Bailey
072000002	Borden County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Borden	Regulatory and Guidance	Borden
072000003	Callahan County NFIP Coordination Program	County NFIP Compliance program to coordinate and assist local jurisdictions with reviewing the NFIP components to ensure continued compliance.	0700008A, 0700008B	Callahan	Regulatory and Guidance	Callahan
072000004	City of Moran NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Shackelford	Regulatory and Guidance	City of Moran
072000005	City of Munday NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Knox	Regulatory and Guidance	City of Munday
072000006	City of Putnam NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Callahan	Regulatory and Guidance	City of Putnam
072000007	City of Roby NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Fisher	Regulatory and Guidance	City of Roby
072000008	City of Amherst NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Lamb	Regulatory and Guidance	City of Amherst
072000009	City of Anson NFIP Cross Train Program	Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program.	0700008A, 0700008B	Jones	Regulatory and Guidance	City of Anson
072000010	City of Benjamin NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Knox	Regulatory and Guidance	City of Benjamin
072000011	City of Bovina NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Parmer	Regulatory and Guidance	City of Bovina
072000012	City of Dickens NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Dickens	Regulatory and Guidance	City of Dickens
072000013	City of Edmonson NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Hale	Regulatory and Guidance	City of Edmonson
072000014	City of Goree NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Knox	Regulatory and Guidance	City of Goree
072000015	City of Hale Center NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Hale	Regulatory and Guidance	City of Hale Center
072000016	City of Jayton NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Kent	Regulatory and Guidance	City of Jayton
072000017	City of Lueders NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Jones, Shackelford	Regulatory and Guidance	City of Lueders
072000018	City of Petersburg NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Hale	Regulatory and Guidance	City of Petersburg
072000019	City of Ralls NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Crosby	Regulatory and Guidance	City of Ralls
072000020	City of Ropesville NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Hockley	Regulatory and Guidance	City of Ropesville
072000021	City of Weinert NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Haskell	Regulatory and Guidance	City of Weinert
072000022	Crosby County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Crosby	Regulatory and Guidance	Crosby



FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	Project Type	Sponsor
072000023	Dawson County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Dawson	Regulatory and Guidance	Dawson
072000024	Fisher County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Fisher	Regulatory and Guidance	Fisher
072000025	Floyd County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Floyd	Regulatory and Guidance	Floyd
072000026	Garza County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Garza	Regulatory and Guidance	Garza
072000027	Haskell County NFIP Cross Train Program	Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program.	0700008A, 0700008B	Haskell	Regulatory and Guidance	Haskell
072000028	Town of Rochester NFIP Cross Train Program	Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program.	0700008A, 0700008B	Haskell	Regulatory and Guidance	Haskell
072000029	Kent County NFIP Cross Train Program	Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program.	0700008A, 0700008B	Kent	Regulatory and Guidance	Kent
072000030	King County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	King	Regulatory and Guidance	King
072000031	Knox County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Knox	Regulatory and Guidance	Knox
072000032	Scurry County NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Scurry	Regulatory and Guidance	Scurry
072000033	Town of Rochester NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Haskell	Regulatory and Guidance	Town of Rochester
072000034	Town of Aspermont NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Stonewall	Regulatory and Guidance	Town of Aspermont
072000035	Town of Impact NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Taylor	Regulatory and Guidance	Town of Impact
072000036	Town of Lockney NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Floyd	Regulatory and Guidance	Town of Lockney
072000037	Town of Smyer NFIP Participation	Application to join NFIP or adoption of equivalent standards.	0700008A, 0700008B	Hockley	Regulatory and Guidance	Town of Smyer
072000038	Archer County Drainage Criteria Manual (DCM)	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Archer	Regulatory and Guidance	Archer
072000039	Bailey County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Bailey	Regulatory and Guidance	Bailey
072000040	Baylor County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Baylor	Regulatory and Guidance	Baylor
072000041	Borden County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Borden	Regulatory and Guidance	Borden
072000042	Callahan County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Callahan	Regulatory and Guidance	Callahan
072000043	Castro County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Castro	Regulatory and Guidance	Castro

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	Project Type	Sponsor
072000044	City of Levelland DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Lubbock	Regulatory and Guidance	City of Levelland
072000045	City of Sweetwater DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Nolan	Regulatory and Guidance	City of Sweetwater
072000046	Cochran County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Cochran	Regulatory and Guidance	Cochran
072000047	Crosby County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Crosby	Regulatory and Guidance	Crosby
072000048	Dawson County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Dawson	Regulatory and Guidance	Dawson
072000049	Dickens County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Dickens	Regulatory and Guidance	Dickens
072000050	Eastland County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Eastland	Regulatory and Guidance	Eastland
072000051	Fisher County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Fisher	Regulatory and Guidance	Fisher
072000052	Floyd County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Floyd	Regulatory and Guidance	Floyd
072000053	Garza County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Garza	Regulatory and Guidance	Garza
072000054	Hale County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Hale	Regulatory and Guidance	Hale
072000055	Haskell County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Haskell	Regulatory and Guidance	Haskell
072000056	Hockley County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Hockley	Regulatory and Guidance	Hockley
072000057	Jones County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Jones	Regulatory and Guidance	Jones
072000058	Kent County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Kent	Regulatory and Guidance	Kent
072000059	King County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	King	Regulatory and Guidance	King

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	Project Type	Sponsor
072000060	Knox County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Knox	Regulatory and Guidance	Knox
072000061	Lamb County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Lamb	Regulatory and Guidance	Lamb
072000062	Lubbock County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Lubbock	Regulatory and Guidance	Lubbock
072000063	Lynn County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Lynn	Regulatory and Guidance	Lynn
072000064	Mitchell County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Mitchell	Regulatory and Guidance	Mitchell
072000065	Nolan County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Nolan	Regulatory and Guidance	Nolan
072000066	Parmer County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Parmer	Regulatory and Guidance	Parmer
072000067	Scurry County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Scurry	Regulatory and Guidance	Scurry
072000068	Shackelford County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Shackelford	Regulatory and Guidance	Shackelford
072000069	Stephens County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Stephens	Regulatory and Guidance	Stephens
072000070	Stonewall County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Stonewall	Regulatory and Guidance	Stonewall
072000071	Swisher County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Swisher	Regulatory and Guidance	Swisher
072000072	Taylor County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Taylor	Regulatory and Guidance	Taylor
072000073	Terry County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Terry	Regulatory and Guidance	Terry
072000074	Throckmorton County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Throckmorton	Regulatory and Guidance	Throckmorton
072000075	Young County DCM	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	0700008C, 0700008D, 0700008E	Young	Regulatory and Guidance	Young

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	Project Type	Sponsor
072000076	Callahan county Higher Standards Program	Encourage local jurisdictions to adopt higher standards in high hazard areas for new construction.	0700008E	Callahan	Education and Outreach, Regulatory and Guidance	Callahan
072000077	City of Abilene Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Taylor	Regulatory and Guidance	City of Abilene
072000078	City of Abilene Update Ordinance - SFHA Regulation	Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Taylor	Regulatory and Guidance	City of Abilene
072000079	City of Baird - Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Callahan	Regulatory and Guidance	City of Baird
072000080	City of Baird - Update Ordinance - SFHA Regulation	Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Callahan	Regulatory and Guidance	City of Baird
072000081	City of Breckenridge New Ordinance - Detention	Adopt on-site retention basin program in conjunction with development to address excessive stormwater / firefighting water source.	0700008E	Stephens	Regulatory and Guidance	City of Breckenridge
072000082	City of Clyde New Ordinance - Detention	Adopt on-site detention basin program. Detained water to be considered for fire fighting.	0700008E	Callahan	Regulatory and Guidance	City of Clyde
072000083	City of Clyde Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Callahan	Regulatory and Guidance	City of Clyde
072000084	City of Hamlin Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Jones	Regulatory and Guidance	City of Hamlin
072000085	City of Moran New Ordinance - Detention	Adopt on-site detention basin program. Detained water to be considered for fire fighting.	0700008E	Shackelford	Regulatory and Guidance	City of Moran
072000086	City of Roscoe Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Nolan	Regulatory and Guidance	City of Roscoe
072000087	City of Roscoe - New Ordinance -Impervious Cover	Adopt regulations to limit amount of impervious cover in conjunction with new development.	0700008E	Nolan	Regulatory and Guidance	City of Roscoe
072000088	City of Wolfforth Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Lubbock	Regulatory and Guidance	City of Wolfforth
072000089	Fisher County - Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Fisher	Regulatory and Guidance	Fisher
072000090	City of Rotan - Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Fisher	Regulatory and Guidance	Fisher
072000091	Haskell County - Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Haskell	Regulatory and Guidance	Haskell
072000092	Jones County - Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Jones	Regulatory and Guidance	Jones



FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	Project Type	Sponsor
072000093	Kent County - Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Kent	Regulatory and Guidance	Kent
072000094	Knox County Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Knox	Regulatory and Guidance	Knox
072000095	Knox County New Ordinance - Detention	Adopt on-site retention basin program in conjunction with development to address excessive stormwater / firefighting water source.	0700008E	Knox	Regulatory and Guidance	Knox
072000096	Mitchell County Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Mitchell	Regulatory and Guidance	Mitchell
072000097	Nolan County Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Nolan	Regulatory and Guidance	Nolan
072000098	Scurry County Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Scurry	Regulatory and Guidance	Scurry
072000099	Shackelford Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Shackelford	Regulatory and Guidance	Shackelford
072000100	Stephens County Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Stephens	Regulatory and Guidance	Stephens
072000101	Stonewall County Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Stonewall	Regulatory and Guidance	Stonewall
072000102	Taylor County Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Taylor	Regulatory and Guidance	Taylor
072000103	Taylor County New Ordinance - Detention	Adopt on-site retention basin program in conjunction with development to address excessive stormwater / firefighting water source.	0700008E	Taylor	Regulatory and Guidance	Taylor
072000104	Taylor County New Ordinance - Wetland Preservation	Adopt wetlands development regulations; Implement a Comprehensive Watershed Ordinance for new development.	0700008E	Taylor	Regulatory and Guidance	Taylor
072000105	Throckmorton County Higher Standards Program	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative damage” provisions in local floodplain management ordinance.	0700008E	Throckmorton	Regulatory and Guidance	Throckmorton
072000106	Archer County - Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	0700004A, 0700004B	Archer	Property Acquisition and Structural Elevation	Archer
072000107	Callahan County Buyout Program	Develop a land acquisition program in flood hazard areas.	0700004A, 0700004B	Callahan	Property Acquisition and Structural Elevation	Callahan
072000108	City of Baird Buyout Program	Develop a land acquisition program in flood hazard areas.	0700004A, 0700004B	Callahan	Property Acquisition and Structural Elevation	City of Baird
072000109	City of Breckenridge - Floodplain Open Space Program-	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	0700008E	Stephens	Property Acquisition and Structural Elevation	City of Breckenridge

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	Project Type	Sponsor
072000110	City of Breckenridge - Floodplain Open Space Program-	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	0700008E	Stephens	Property Acquisition and Structural Elevation	City of Breckenridge
072000111	City of Breckenridge Buyout Program	Acquire and demolish repetitive loss properties.	0700004A, 0700004B	Stephens	Property Acquisition and Structural Elevation	City of Breckenridge
072000112	City of Clyde -Floodplain Open Space Program-	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	0700008E	Callahan	Property Acquisition and Structural Elevation	City of Clyde
072000113	City of Clyde - Flood Protection Lift Station Program	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	0700004A, 0700004B	Callahan	Property Acquisition and Structural Elevation	City of Clyde
072000114	City of Hamlin - Floodplain Open Space Program-	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	0700008E	Jones	Property Acquisition and Structural Elevation	City of Hamlin
072000115	City of Hamlin Buyout Program	Acquire and demolish repetitive loss properties.	0700004A, 0700004B	Jones	Property Acquisition and Structural Elevation	City of Hamlin
072000116	City of Hamlin - Floodproof Sewage Plant Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	0700004A, 0700004B	Jones	Property Acquisition and Structural Elevation	City of Hamlin
072000117	City of Haskell - Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	0700004A, 0700004B	Haskell	Property Acquisition and Structural Elevation	City of Haskell
072000118	City of Moran Floodproof Sewage Plant Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	0700004A, 0700004B	Shackelford	Property Acquisition and Structural Elevation	City of Moran
072000119	City of Munday Flood Protection Lift Station Program	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	0700004A, 0700004B	Knox	Property Acquisition and Structural Elevation	City of Munday
072000120	City of Roscoe - Floodplain Open Space Program-	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	0700008E	Nolan	Property Acquisition and Structural Elevation	City of Roscoe
072000121	City of Roscoe Floodproof Sewage Plant Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	0700004A, 0700004B	Nolan	Property Acquisition and Structural Elevation	City of Roscoe
072000122	City of Roscoe Flood Protection Lift Station Program	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	0700004A, 0700004B	Nolan	Property Acquisition and Structural Elevation	City of Roscoe
072000123	City of Roscoe Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	0700004A, 0700004B	Nolan	Property Acquisition and Structural Elevation	City of Roscoe
072000124	City of Slaton - School Campus Drainage Program	Install water drainage system at campuses as backup in severe weather events	0700004A, 0700004B	Lubbock	Property Acquisition and Structural Elevation	City of Slaton
072000125	City of Tuscola Flood Protection Lift Station Program	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	0700004A, 0700004B	Taylor	Property Acquisition and Structural Elevation	City of Tuscola
072000126	City of Tye -Floodplain Open Space Program-	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	0700008E	Taylor	Property Acquisition and Structural Elevation	City of Tye
072000127	City of Tye Buyout Program	Develop a land acquisition program in flood hazard areas.	0700004A, 0700004B	Taylor	Property Acquisition and Structural Elevation	City of Tye



FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	Project Type	Sponsor
072000128	Town of Rochester Relocate Critical Facilities High Hazard	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	0700004A, 0700004B	Haskell	Property Acquisition and Structural Elevation	Haskell
072000129	Kent Flood Protection Lift Station Program	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	0700004A, 0700004B	Kent	Property Acquisition and Structural Elevation	Kent
072000130	Knox Flood Protection Lift Station Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	0700004A, 0700004B	Knox	Property Acquisition and Structural Elevation	Knox
072000131	Knox County Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	0700004A, 0700004B	Knox	Property Acquisition and Structural Elevation	Knox
072000132	Lubbock County - Floodplain Open Space Program-	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	0700008E	Lubbock	Property Acquisition and Structural Elevation	Lubbock
072000133	Nolan County - Floodplain Open Space Program-	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	0700008E	Nolan	Property Acquisition and Structural Elevation	Nolan
072000134	Nolan County Buyout Program	Acquire and demolish repetitive loss properties.	0700004A, 0700004B	Nolan	Property Acquisition and Structural Elevation	Nolan
072000135	Scurry County Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	0700004A, 0700004B	Scurry	Property Acquisition and Structural Elevation	Scurry
072000136	Stephens Flood Protection Lift Station Program	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	0700004A, 0700004B	Stephens	Property Acquisition and Structural Elevation	Stephens
072000137	Stephens County Buyout Program	Develop a land acquisition program in flood hazard areas.	0700004A, 0700004B	Stephens	Property Acquisition and Structural Elevation	Stephens
072000138	Town of Throckmorton Relocate Critical Facilities High Hazard	Relocate critical facilities out of high hazard areas.	0700004A, 0700004B	Throckmorton	Property Acquisition and Structural Elevation	Throckmorton
072000139	City of Clyde - Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	0700004A, 0700004B	Callahan	Infrastructure Projects	City of Clyde
072000140	City of Roscoe Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	0700004A, 0700004B	Nolan	Infrastructure Projects	City of Roscoe
072000141	Town of Rule Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	0700004A, 0700004B	Haskell	Infrastructure Projects	Haskell
072000142	City of Roscoe Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	0700004A, 0700004B	Knox	Infrastructure Projects	Knox
072000143	Stephens County Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	0700004A, 0700004B	Stephens	Infrastructure Projects	Stephens
072000144	Stonewall County Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	0700004A, 0700004B	Stonewall	Infrastructure Projects	Stonewall
072000145	Taylor County Dam Inspection Program	Annual dam inspection, partner with SWCD to help fund repairs and maintenance, partner with property owners to report new damage or erosion, and patrol for illegal dumping at dams.	0700003A, 0700003B	Taylor	Infrastructure Projects	Taylor
072000146	Taylor County Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	0700004A, 0700004B	Taylor	Infrastructure Projects	Taylor

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	Project Type	Sponsor
072000147	Town of Woodson Stream Restoration Program	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	0700004A, 0700004B	Throckmorton	Infrastructure Projects	Throckmorton
072000148	City of Abilene Creek Gauge Program	Install automated creek rain gauges and automated barriers for flooded road ways.	0700002A, 0700002B	Taylor	Flood Measurement and Warning	City of Abilene
072000150	City of Roscoe -Tax Incentive Program	Provide tax incentives for development of low-hazard land parcels.	0700008E	Nolan	Other	City of Roscoe
072000151	Fisher County -Tax Incentive Program	Provide tax incentives for development of low-hazard land parcels.	0700008E	Fisher	Other	Fisher
072000152	Jones County -Tax Incentive Program	Provide tax incentives for development of low-hazard land parcels.	0700008E	Jones	Other	Jones
072000153	Knox County -Tax Incentive Program	Provide tax incentives for development of low-hazard land parcels.	0700008E	Knox	Other	Knox
072000154	City of Abilene Turn Around, Don't Drown	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	0700006C	Taylor	Education and Outreach	City of Abilene
072000155	City of Levelland Turn Around, Don't Drown	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	0700006C	Hockley	Education and Outreach	City of Levelland
072000156	City of Lubbock Turn Around, Don't Drown	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	0700006C	Lubbock	Education and Outreach	City of Lubbock
072000157	City of Plainview Turn Around, Don't Drown	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	0700006C	Hale	Education and Outreach	City of Plainview
072000158	City of Sweetwater Turn Around, Don't Drown	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	0700006C	Nolan	Education and Outreach	City of Sweetwater
072000159	Upper Brazos Warning System Outreach Program	Basin wide Study Program: Reach out to proper authorities with jurisdiction to improve on Warning signs, lights, or systems.	0700006C	ALL	Education and Outreach	SPAG
072000160	Upper Brazos Dam Inventory Evaluation	Develop a baseline understanding of the risks associated with high and significant hazard and NRCS dams within the basin, including coordination with the Texas State Soil & Water Conservation Board dam maintenance plan.	0700003A, 0700003B	ALL	Other	SPAG
072000161	Upper Brazos Public Awareness Outreach Program	Encourage annual public outreach and education activities to improve awareness of flood hazards, flood planning, and projects associated with emergency response associated with flooding.	0700006C	ALL	Education and Outreach	SPAG
072000162	Upper Brazos Industry Flood Losses Outreach Program	Encourage best practices to reduce the vulnerability of agriculture, ranching, energy and forestry to flood-related losses through community outreach.	0700005A, 0700005B	ALL	Other	SPAG
072000163	Upper Brazos Building Codes Outreach Program	Outreach Program: Encourage communities to adopt current building codes, adopt new construction codes for setting the minimum floor elevation	0700006C	ALL	Education and Outreach	SPAG
072000164	Upper Brazos Stormwater Maintenance Outreach Program	Outreach Program: Encourage maintenance programs on storm water infrastructure, Dams, ditches, and channels.	0700006C	ALL	Education and Outreach	SPAG
072000165	Upper Brazos Industry Flood Losses Inventory Evaluation	Reduce the vulnerability of agriculture, ranching, energy and forestry to flood-related losses by establishing a baseline measurement.	0700005A, 0700005B	ALL	Other	SPAG

**Attachment J: List of FMSs and FMPs Identified but Determined to be Infeasible**

As of November 19, 2021, no FMSs and FMPs have been identified but determined to be infeasible. FMS and FMP identification and feasibility assessment are continuing with the completion of Task 2 Analysis.

**Attachment K: Spatial Data Inventory**

As specified in Task 4C of the *Scope of Work*, the RFPG must provide a limited version of associated GIS data or deliverables. The table below summarizes the datasets included in the geodatabase submittal of this Interim Technical Memorandum. The GIS dataset and feature layers submitted are a mid-point deliverable intended to show progress toward the flood plan and will be enhanced in the draft flood plan.

Table 12: GIS Feature Class Inventory

File #	Item Name	Feature Class Name	Submittal Date
1	Entities	Entities	January 7, 2022 – Limited Fields
2	Watersheds	Watersheds	January 7, 2022
3	Existing Infrastructure	ExFldInfraPol	January 7, 2022
4		ExFldInfraLn	
5		ExFldInfraPt	
6	Proposed or Ongoing Flood Mitigation Projects	ExFldProjs	January 7, 2022
7	<i>Existing Flood Hazard</i>	<i>ExFldHazard</i>	<i>March 7, 2022</i>
8	<i>Flood Mapping Gaps</i>	<i>Fld_Map_Gaps</i>	<i>March 7, 2022</i>
9	<i>Existing Exposure</i>	<i>ExFldExpPol</i>	<i>March 7, 2022</i>
10		<i>ExFldExpLn</i>	
11		<i>ExFldExpPt</i>	
12		<i>ExFldExpAll</i>	
13	<i>Future Flood Hazard</i>	<i>FutFldHazard</i>	<i>March 7, 2022</i>
14	<i>Future Exposure</i>	<i>FutFldExpPol</i>	<i>March 7, 2022</i>
15		<i>FutFldExpLn</i>	
16		<i>FutFldExpPt</i>	
17		<i>FutFldExpAll</i>	
18	Existing Floodplain Management Practices	ExFpMP - Table	January 7, 2022
19	Goals	Goals - Table	January 7, 2022 – Limited Fields
20	Streams	Streams	January 7, 2022
21	Flood Management Evaluations	FME	January 7, 2022 – Limited Fields
22	Flood Mitigation Projects	FMP	January 7, 2022 – Limited Fields
23	<i>Post Project Hazard</i>	<i>FMP_HazPost</i>	<i>August 1, 2022 – Draft Plan</i>
24	<i>Project Details</i>	<i>FMP_Details</i>	<i>August 1, 2022 – Draft Plan</i>
25	Flood Management Strategies	FMS	January 7, 2022 – Limited Fields

FINAL JANUARY 10, 2023

## **APPENDIX C - ADDITIONAL DATA**

TASK 4C TECH MEMORANDUM SUPPLEMENT MARCH 2022



**2023 REGIONAL FLOOD PLAN  
INTERIM TECHNICAL MEMORANDUM  
REGION 7  
UPPER BRAZOS  
MARCH 2022 SUPPLEMENT**





**2023 REGIONAL FLOOD PLAN –  
INTERIM TECHNICAL MEMORANDUM  
MARCH 2022 SUPPLEMENT**

**PREPARED FOR:**

Region 7 Upper Brazos Regional Flood Planning Group

**PREPARED BY:**

Freese and Nichols, Inc.

Halff Associates, Inc.

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H2O Partners, Inc.

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## PURPOSE

The administrative deadline for the submission of the Technical Memorandum, Task 4C, was January 7, 2022. On August 17, 2021, the Texas Water Development Board (TWDB) issued an extension of time to submit certain portions of the Technical Memorandum deliverables, specifically the scope of work items 4C.1.c-e. The deadline for these scope of work items was extended to March 7, 2022 to allow the technical teams to incorporate the revised cursory flood hazard data (Fathom), delivered in October 2021, before proceeding with the evaluations of flood hazard and exposure for the region.

This Technical Memorandum supplements the previous submission with the remaining scope of work items, as required. It is intended to comply with the applicable portions of the Scope of Work and Title 31 of the Texas Administrative Code (TAC) Chapters 361-362, which serve as the statute and rules that govern regional flood planning. It has been developed consistent with the Technical Guidelines for Regional Flood Planning and additional guidance prepared by the TWDB.

***The contents of this Technical Memorandum Supplement were approved by the Upper Brazos Regional Flood Planning Group (RFPG) on February 17, 2022 at a meeting subject to notice requirements in accordance with 31 TAC §361.21(h). It must be submitted to the TWDB in accordance with Section I Article I of the project contract.***

## INTRODUCTION

In 2019, the Texas Legislature and Governor Abbott expanded the authority of the Texas Water Development Board to administer a new State and Regional Flood Planning process. The 15 regions designated in Texas are based on river basins and this region, Region 7, is also known as the Upper Brazos Flood Planning Region. At the first meeting of the Region 7 Upper Brazos Flood Planning Group on October 29, 2020, the group designated South Plains Association of Governments (SPAG) to be the political subdivision to serve as the planning group sponsor to coordinate and provide support on a variety of administrative activities of Region 7. The flood planning region (FPR) is shown below in **Figure 1**.

Figure 1 Upper Brazos (Region 7) Flood Planning Region



The mid-point deliverable for the Regional Flood Plan (RFP), submitted to TWDB on January 7, 2022, was a Technical Memorandum intended to demonstrate progress towards compiling the necessary technical information and analyses needed to develop the RFP and meet contract requirements. The Technical Memorandum includes the information specifically included in the *Scope of Work* that pertains to the following project tasks:

Task 1: Planning Area Description

Task 2: Flood Risk Analysis

Task 3: Floodplain Management Practices and Flood Protection Goals

Task 4: Assessment and Identification of Flood Mitigation Needs

The Technical Memorandum is organized as a series of attachments for each set of data required by the *Scope of Work*. The TWDB extended the time to submit certain portions of the Technical Memorandum deliverables, specifically those that require the use of cursory floodplain (Fathom 3m) data to evaluate areas at risk of flooding. These scope items are included in the following appended Technical Memorandum due to TWDB on March 7, 2022.

## ATTACHMENTS

The attachments of this Appended Technical Memorandum include:

- A geodatabase and associated maps in accordance with TWDB Flood Planning guidance documents that the RFPG considers to be the best representation of the region-wide 1.0% annual chance flood event and 0.2% annual chance flood event inundation boundaries, and the source of flooding for each area, for use in its risk analysis, including indications of locations where such boundaries remain undefined. – Attachment C
- A geodatabase and associated maps in accordance with TWDB Flood Planning guidance documents that identify additional flood-prone areas not described in (c) based on location of hydrologic features, historic flooding, and/or local knowledge. – Attachment D
- A geodatabase and associated maps in accordance with TWDB Flood Planning guidance documents that identifies areas where existing hydrologic and hydraulic models needed to evaluate FMSs and FMPs are available. – Attachment E
- A digital submittal of progress on the Spatial Data deliverables is included as a part of this memorandum. An inventory list of items is included in the geodatabase. – Attachment K

**Attachment C: Flood Hazard Geodatabase and Associated Maps**

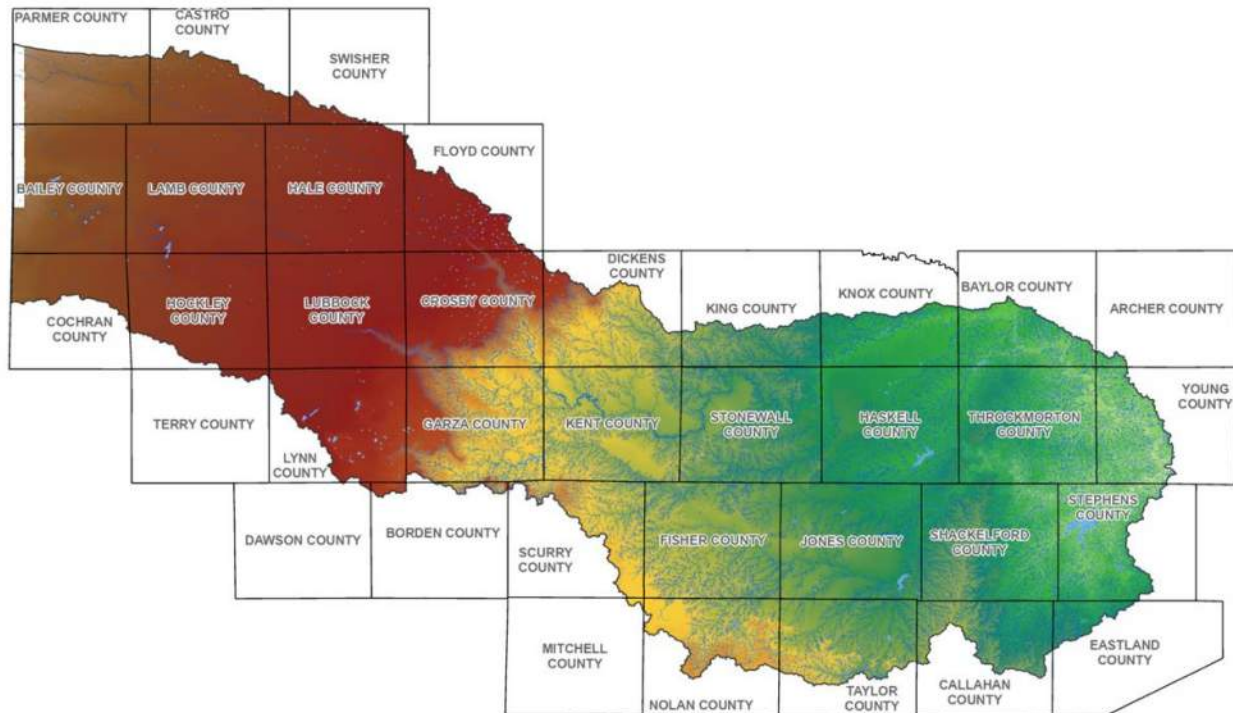
Attachment C includes the associated maps in accordance with TWDB Flood Planning guidance documents that the RFPG considers to be the best representation of the region-wide 1.0% annual chance flood event and 0.2% annual chance flood event inundation boundaries, and the source of flooding for each area, for use in its risk analysis, including indications of locations where such boundaries remain undefined.

Existing Flood Hazard Approach

To provide comprehensive coverage for Region 7 existing flood hazard, the Fathom data released in October 2021 was combined with detailed study and base level engineering data provided by the TWDB as a part of the floodplain quilt. This allows for internal consistency, as there are associated 1% and 0.2% inundation boundaries for each source. Post processing was completed following the TWDB suggested guidance.

Validation of the Fathom data to existing studies was completed to determine if any additional post processing was appropriate. The Upper Brazos watershed comprises two distinct regions with varying geography. There are the flat primarily agricultural areas of the Llano Estacado in the far western part of the watershed that are “on the caprock” and the primarily farming and ranching areas of the Rolling Plains in the southeastern counties that are “off the caprock”. Varied approaches were considered for the regions on and off the caprock due to the significantly varied topography. The transition region on and off the caprock can be seen in Figure 2 across Dickens, Crosby, Lubbock, Garza, and Lynn Counties. Additional post processing was completed on the fluvial Fathom data on the caprock by removing an additional 2 feet of flood depth.

Figure 2 Upper Brazos Region Topography



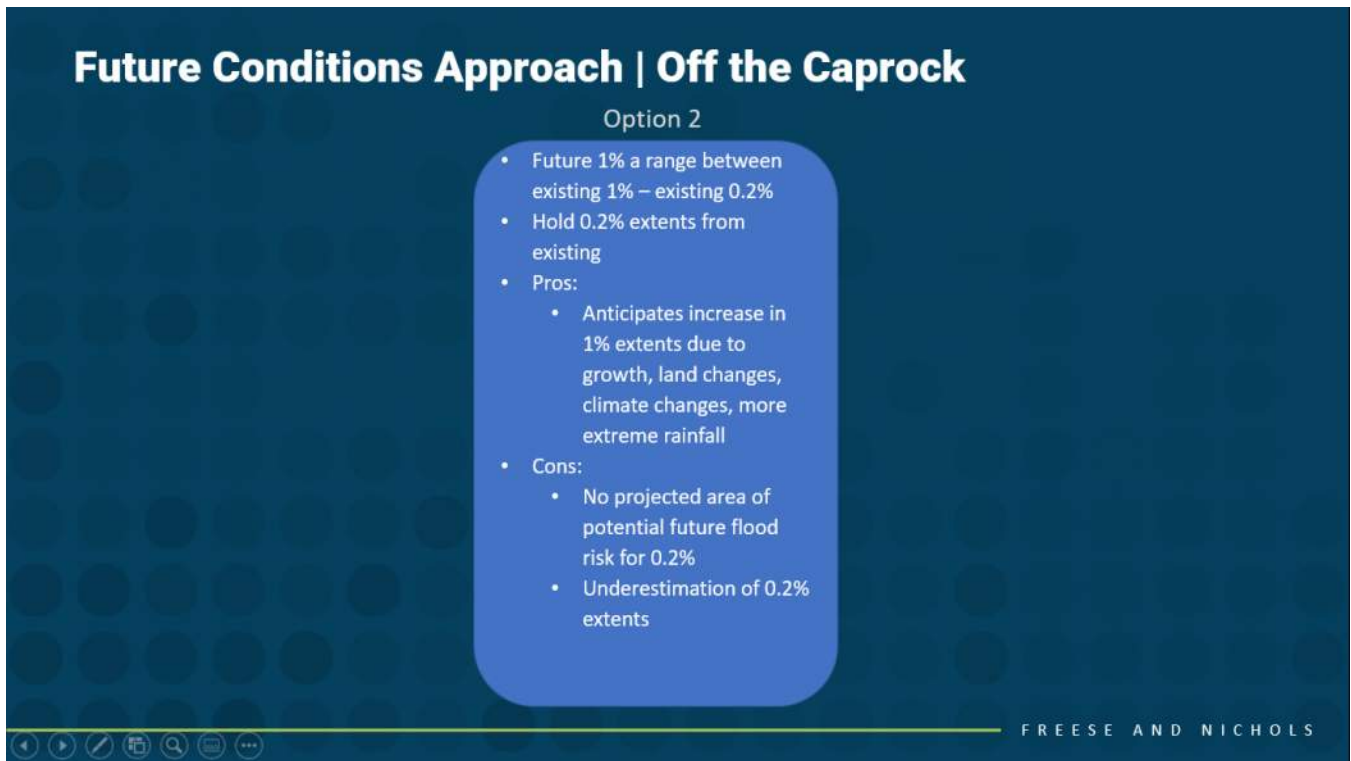
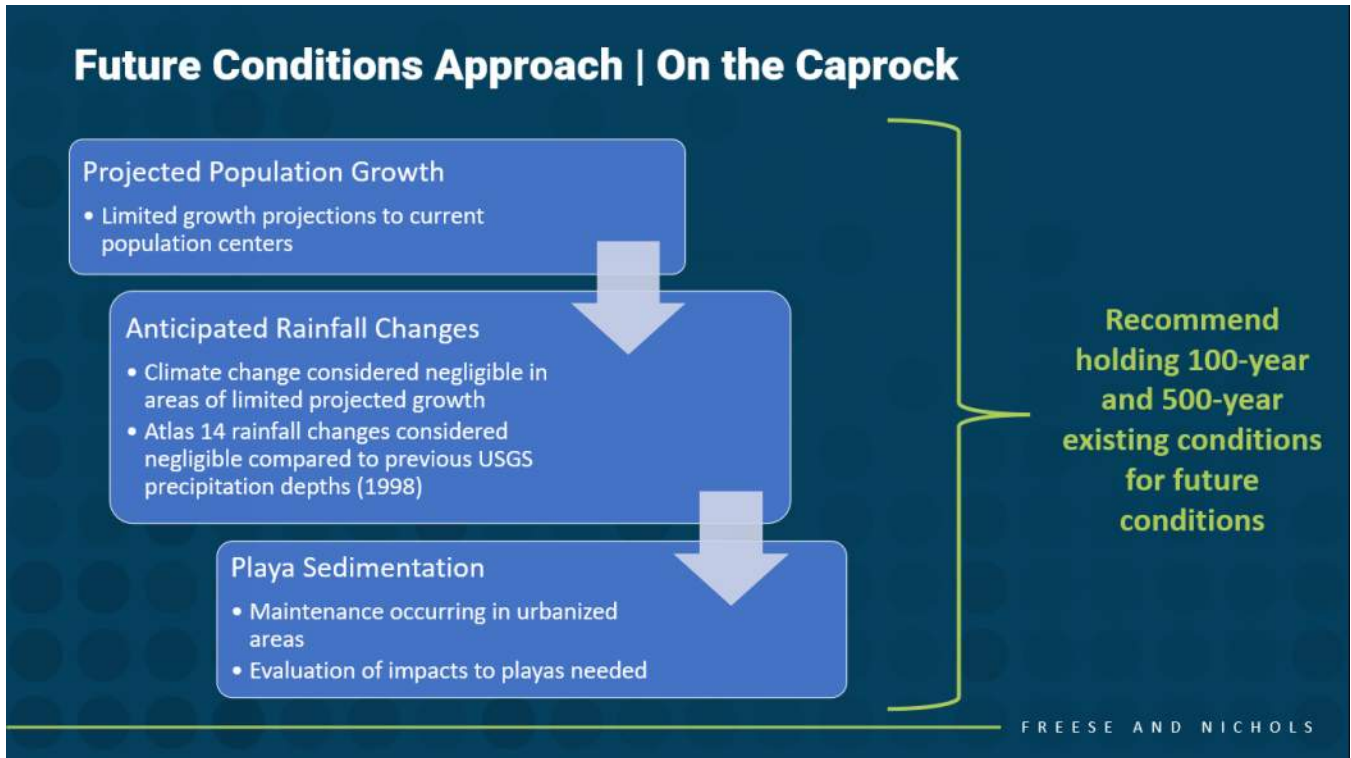
Future Flood Hazard Approach

TWDB has tasked each planning region to estimate future conditions flood hazard for a scenario in approximately 30 years. This scenario considers the following factors:

- Continued Population Growth
- Continued Development Increase
- Current Floodplain Management Regulations/Policy
- Anticipated Climate Change
- Anticipated Land Changes
- Completion of Flood Mitigation Projects by 2050



Several approaches were presented to the Upper Brazos planning group. At the January 18, 2022 meeting the following approaches were selected by the planning group members for on and off the caprock.



**Map 4: Existing Condition Flood Hazard (Exhibit C 2.2.A.1)**



## Existing Condition Flood Hazard

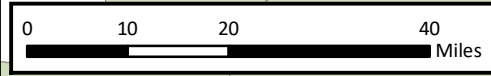
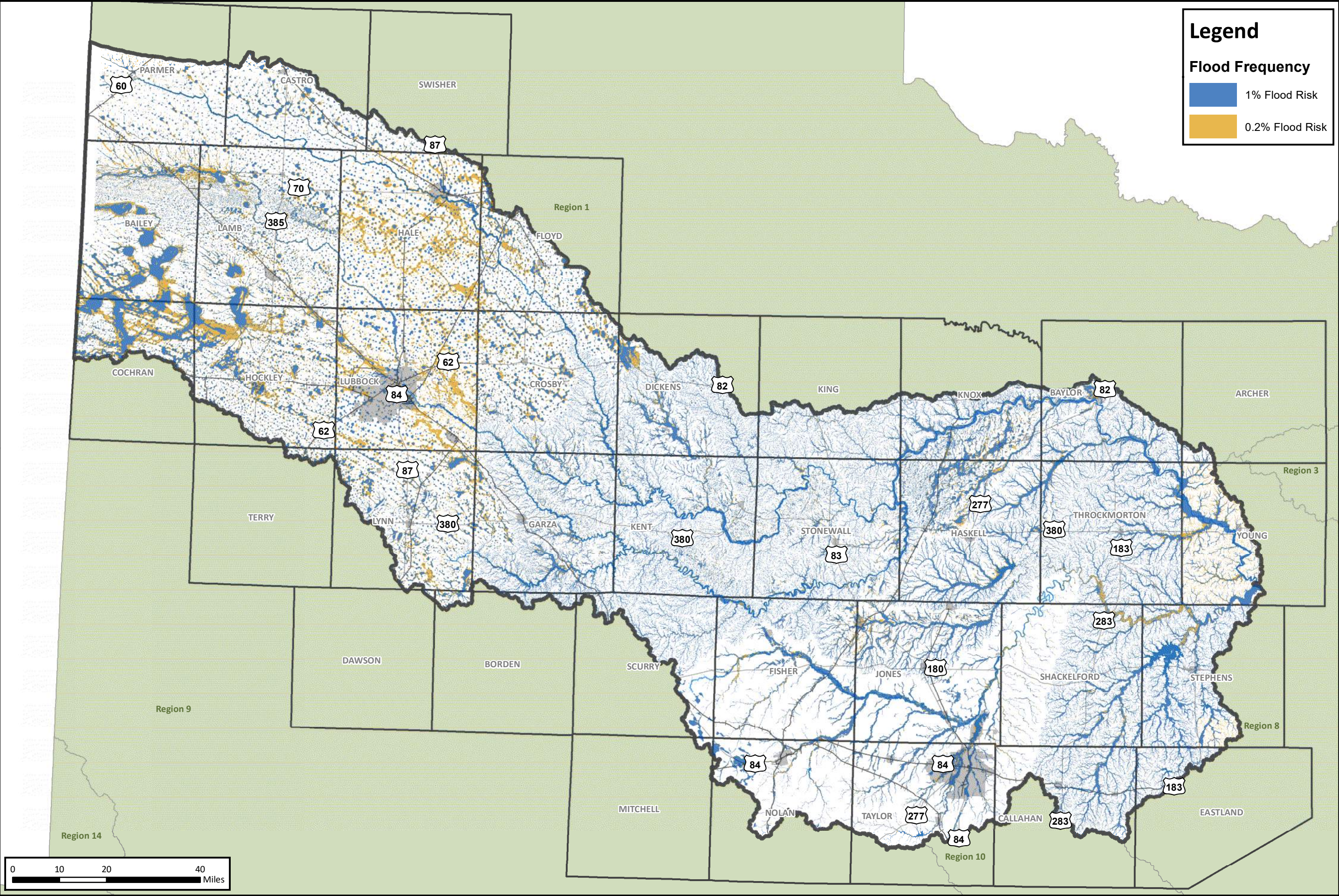
REGION 7 UPPER BRAZOS  
2023 REGIONAL FLOOD PLAN



**Legend**

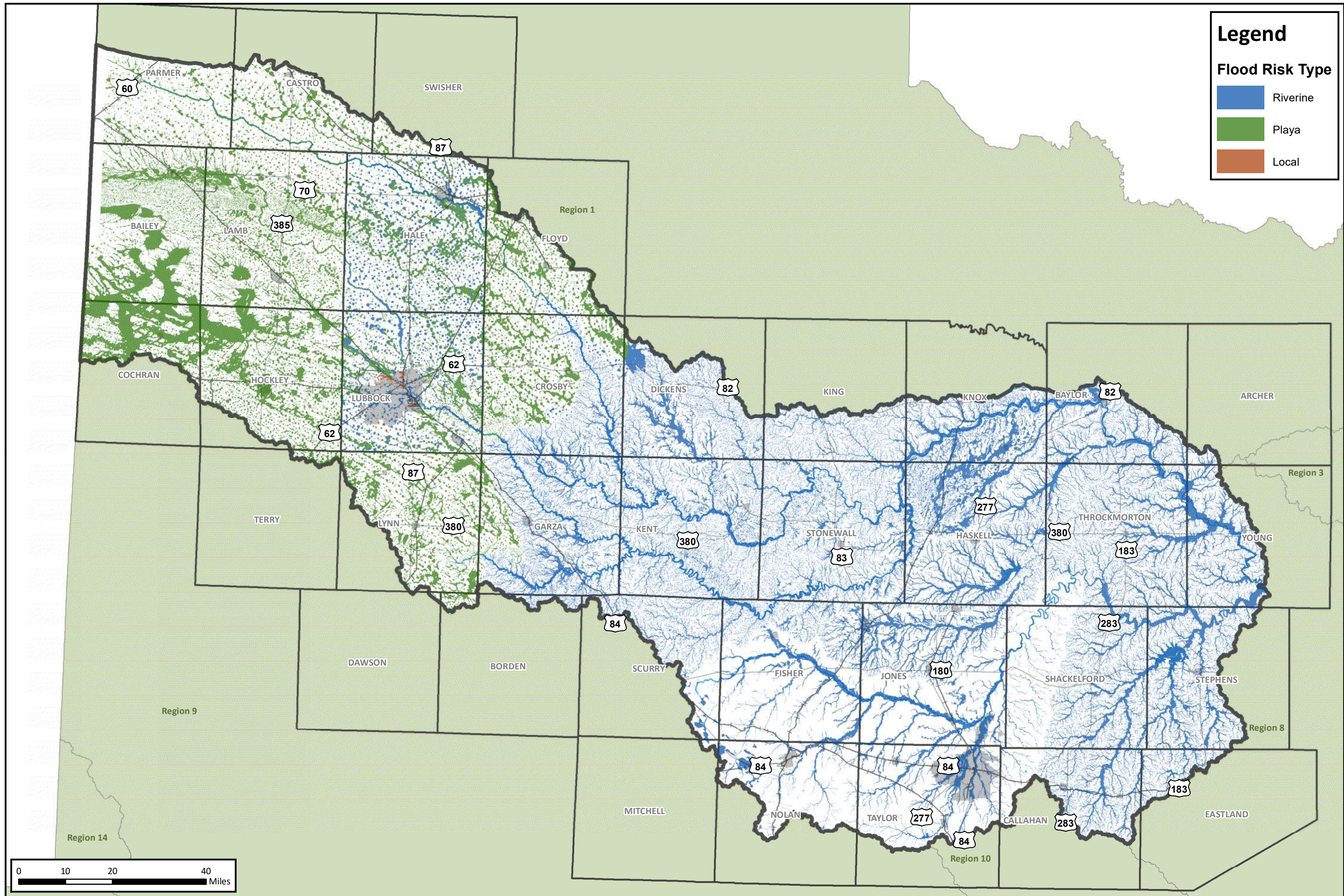
**Flood Frequency**

- 1% Flood Risk
- 0.2% Flood Risk



Path: W:\Cbrv\2023\051437931015\CH2\Exhibit\_MXD\Map4\_ExistingConditionFloodHaz.mxd

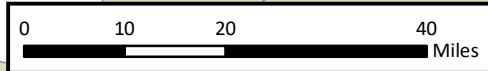




**Legend**

**Flood Risk Type**

- Riverine
- Playa
- Local



MAP

**Existing Condition Flood Hazard**  
 REGION 7 UPPER BRAZOS  
 2023 REGIONAL FLOOD PLAN

**Map 4**

2/14/2022

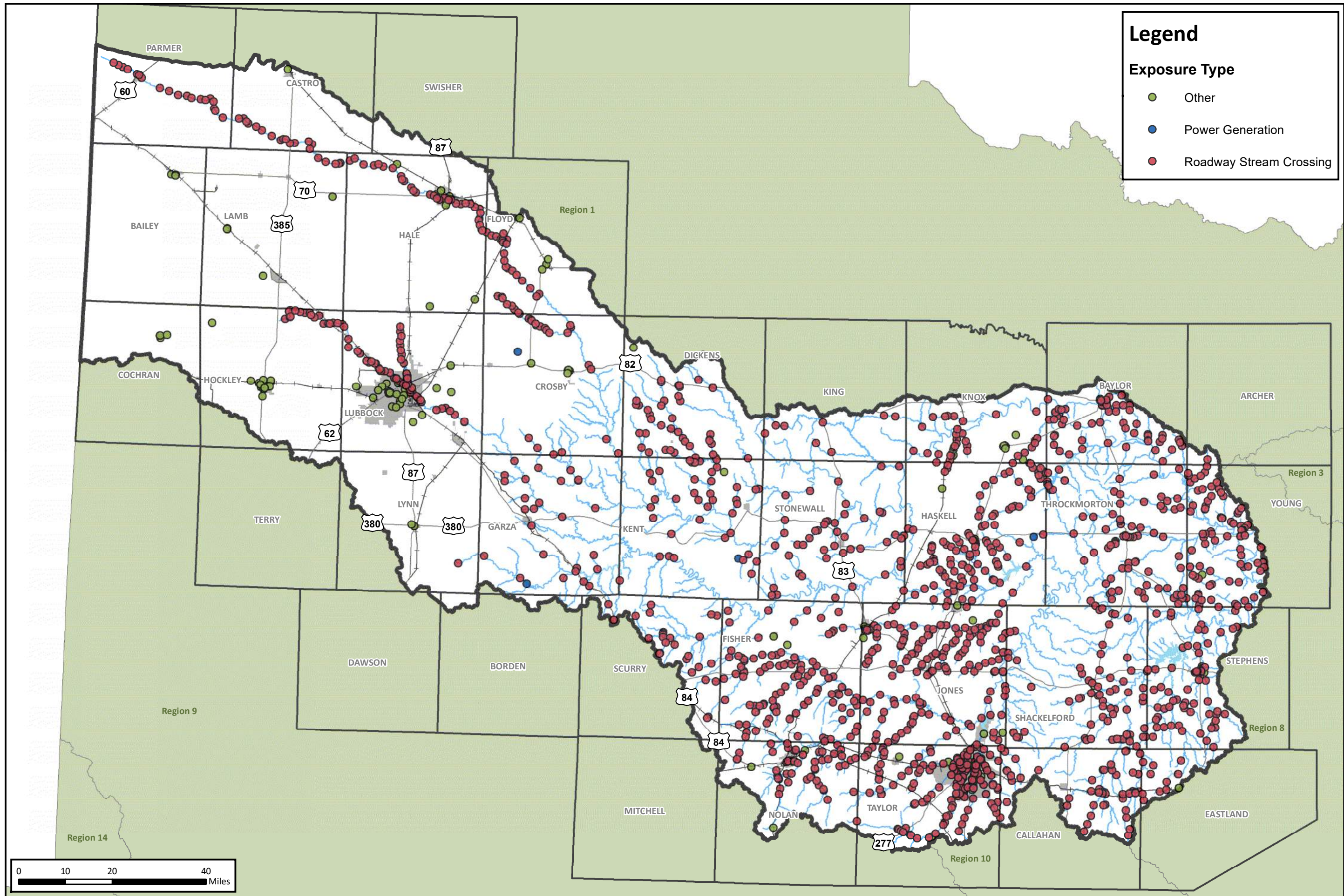


Path: W:\Cbrv\43793\GIS\Ch2\Exhibit\_MXD\Map4\_ExistingConditionFloodHaz.mxd



**Map 6: Existing Condition Flood Exposure (Exhibit C 2.2.A.2)**





MAP

# Existing Condition Flood Exposure

REGION 7 UPPER BRAZOS  
2023 REGIONAL FLOOD PLAN

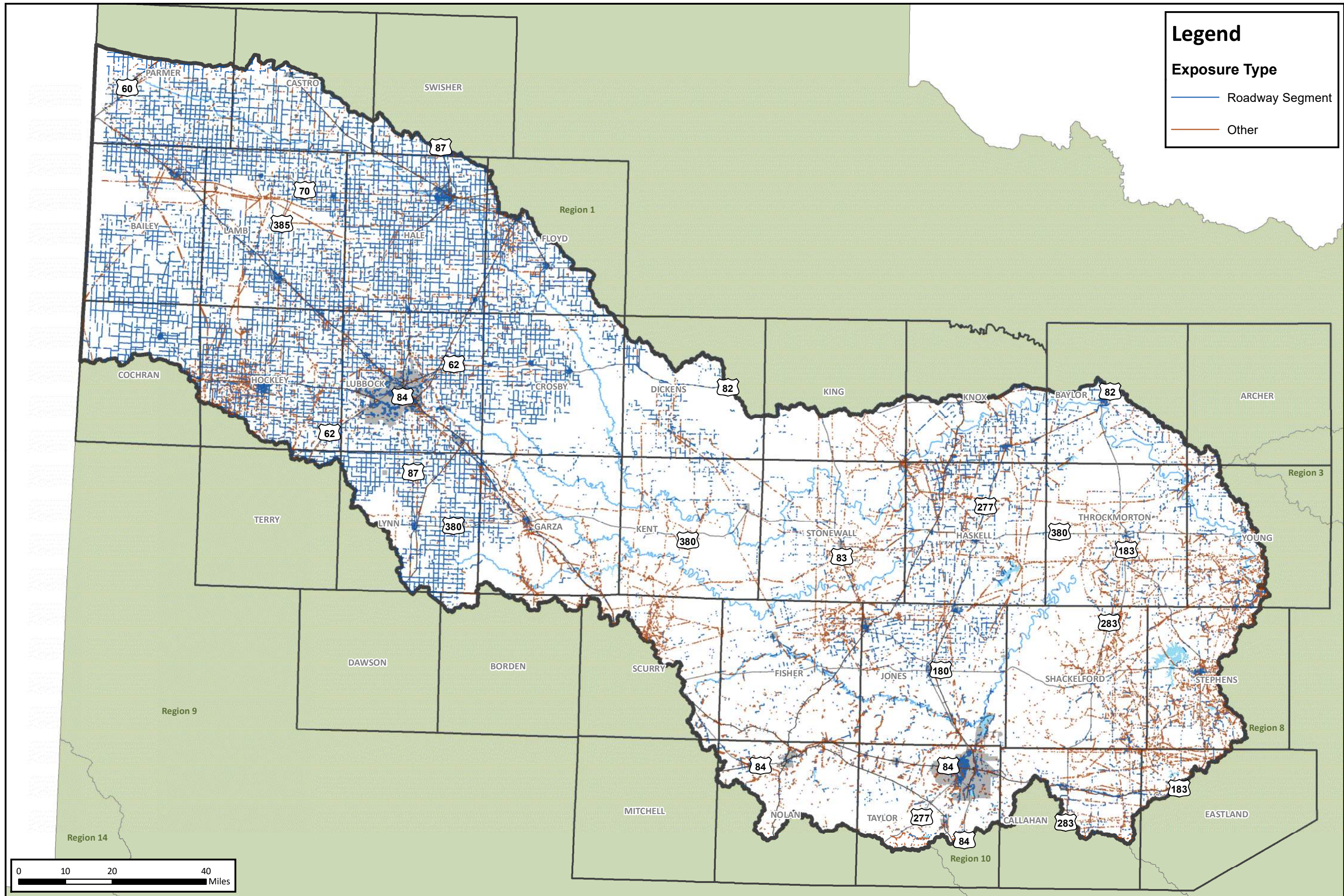
## Map 6 - A

2/14/2022



Path: W:\Cbrv\3000\143793\GIS\Ch2\Exhibit\_MXD\Map11\_FutureConditionFloodExp.mxd





MAP

# Existing Condition Flood Exposure

REGION 7 UPPER BRAZOS  
2023 REGIONAL FLOOD PLAN

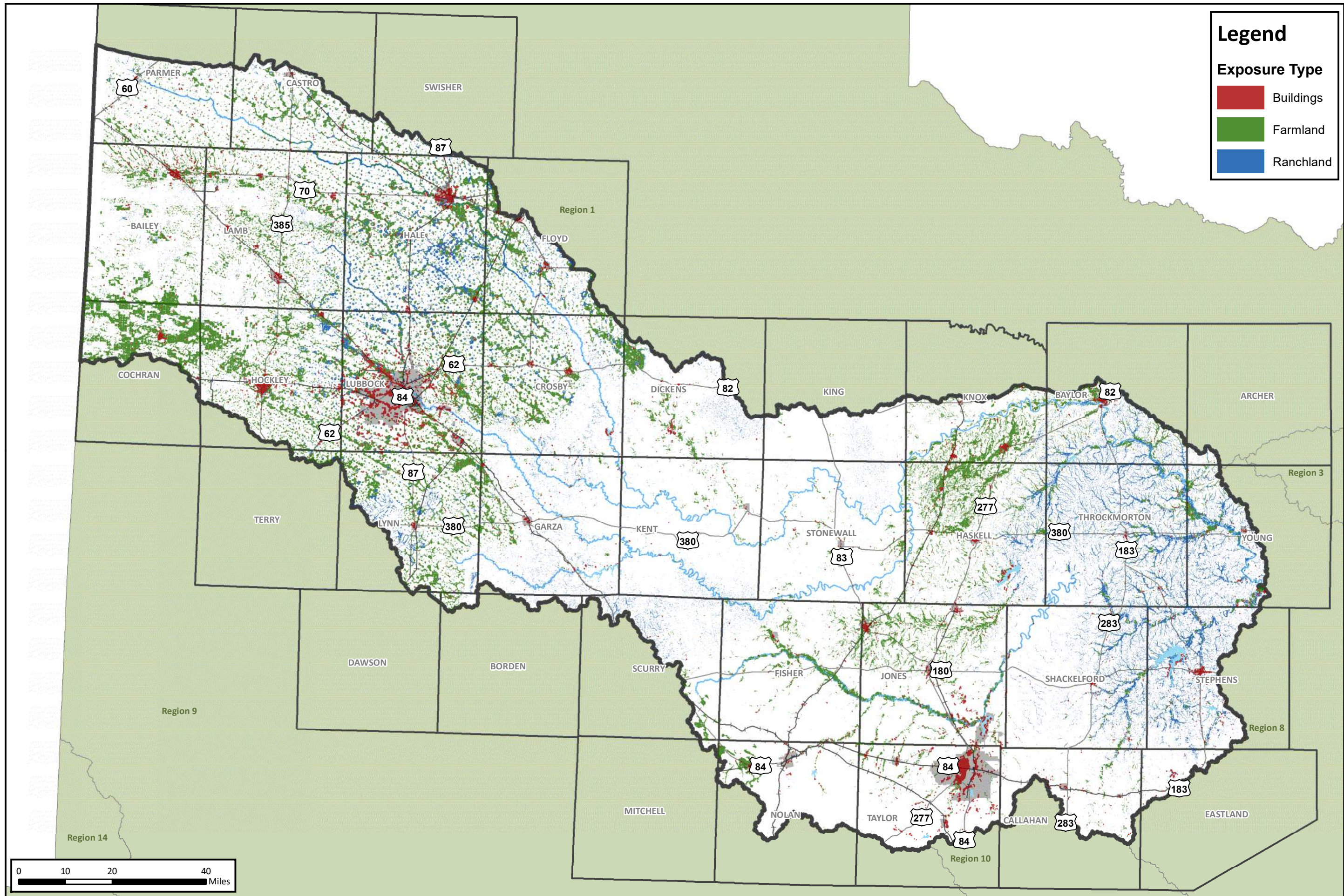
## Map 6 - B

2/14/2022



Path: W:\C:\nv\43000\143793\GIS\Ch2\Exhibit\_MXD\Map6\_ExistingConditionFloodExp.mxd





**Legend**

**Exposure Type**

- Buildings
- Farmland
- Ranchland

MAP

**Existing Condition Flood Exposure**

REGION 7 UPPER BRAZOS  
2023 REGIONAL FLOOD PLAN

**Map 6 - C**

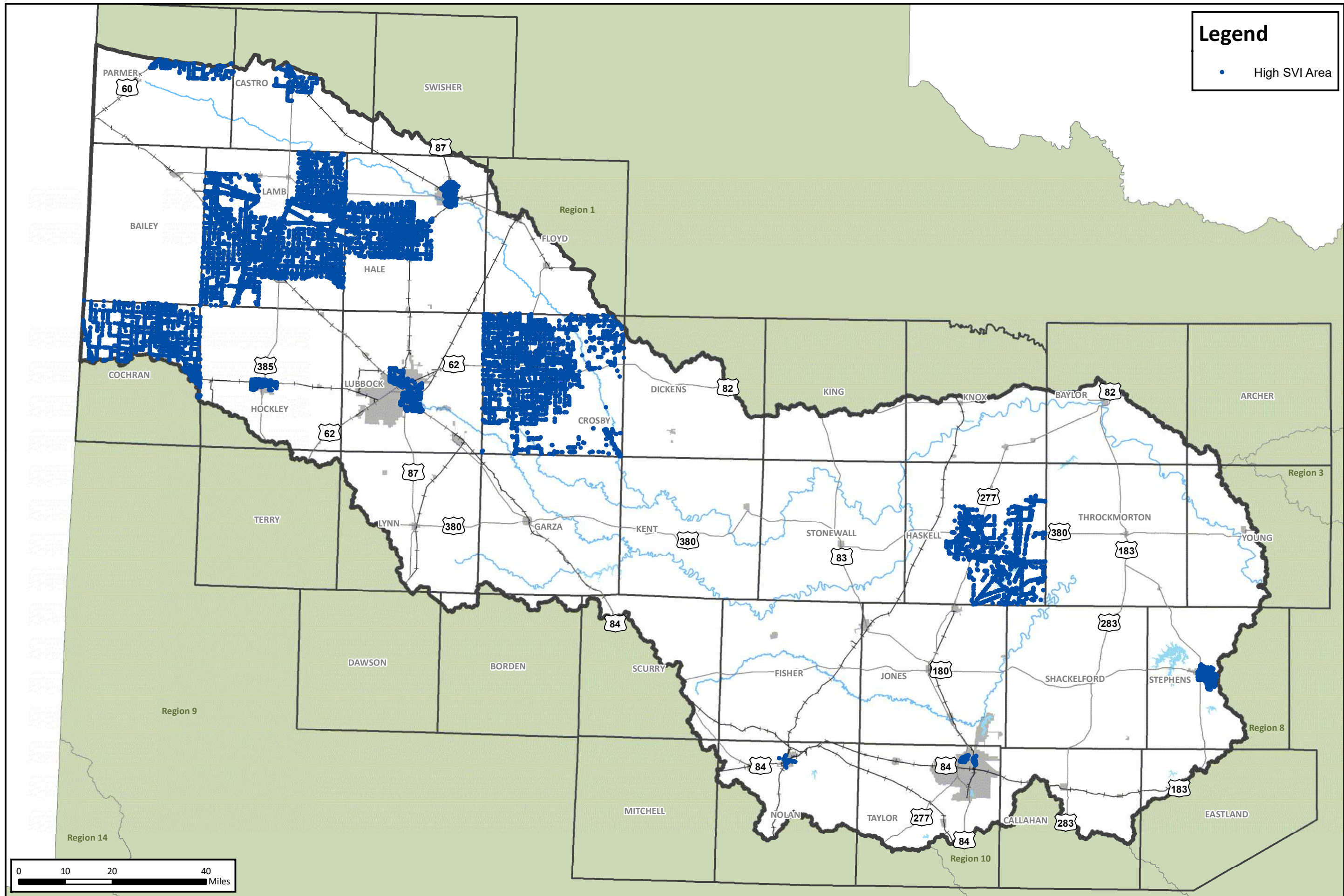
2/14/2022



Path: W:\C:\nv\43000\143793\GIS\Ch2\Exp\Map6\_Map6\_ExistingConditionFloodExp.mxd

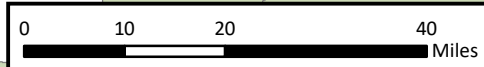


**Map 7: Existing Condition Vulnerability and Critical Infrastructure (Exhibit C 2.2.A.3)**



**Legend**

- High SVI Area



MAP

**Existing Condition Vulnerability**

REGION 7 UPPER BRAZOS  
2023 REGIONAL FLOOD PLAN

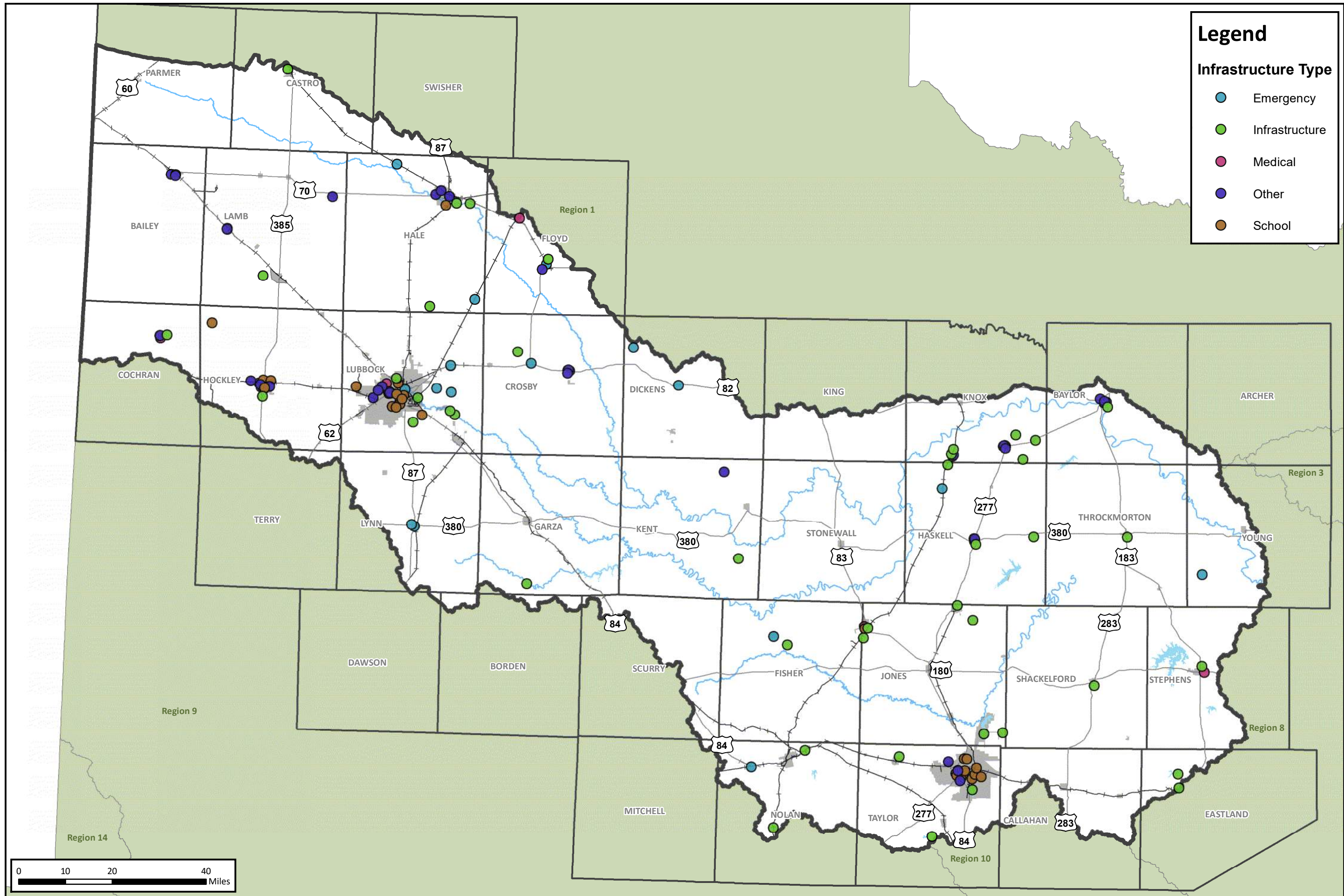
**Map 7 - A**

2/14/2022



Path: W:\C:\ms\43000\43793\GIS\Exhibit\_Maps\Map7A\_ExistingConditionsVulnerability.mxd

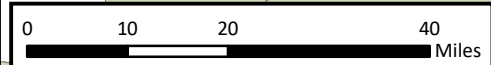




**Legend**

**Infrastructure Type**

- Emergency
- Infrastructure
- Medical
- Other
- School



MAP  
**Existing Condition Critical Infrastructure At Risk**  
 REGION 7 UPPER BRAZOS  
**Map 7 - B**  
 2023 REGIONAL FLOOD PLAN  
 2/14/2022



Path: W:\C:\msd\4330000\43393\GIS\CR2\Exhibit\_Maps\Map7\_ExistingConditionsCriticalInfra.mxd



**Map 8: Future Condition Flood Hazard (Exhibit C 2.2.B.1)**



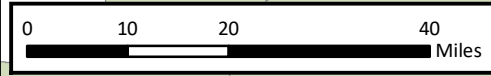
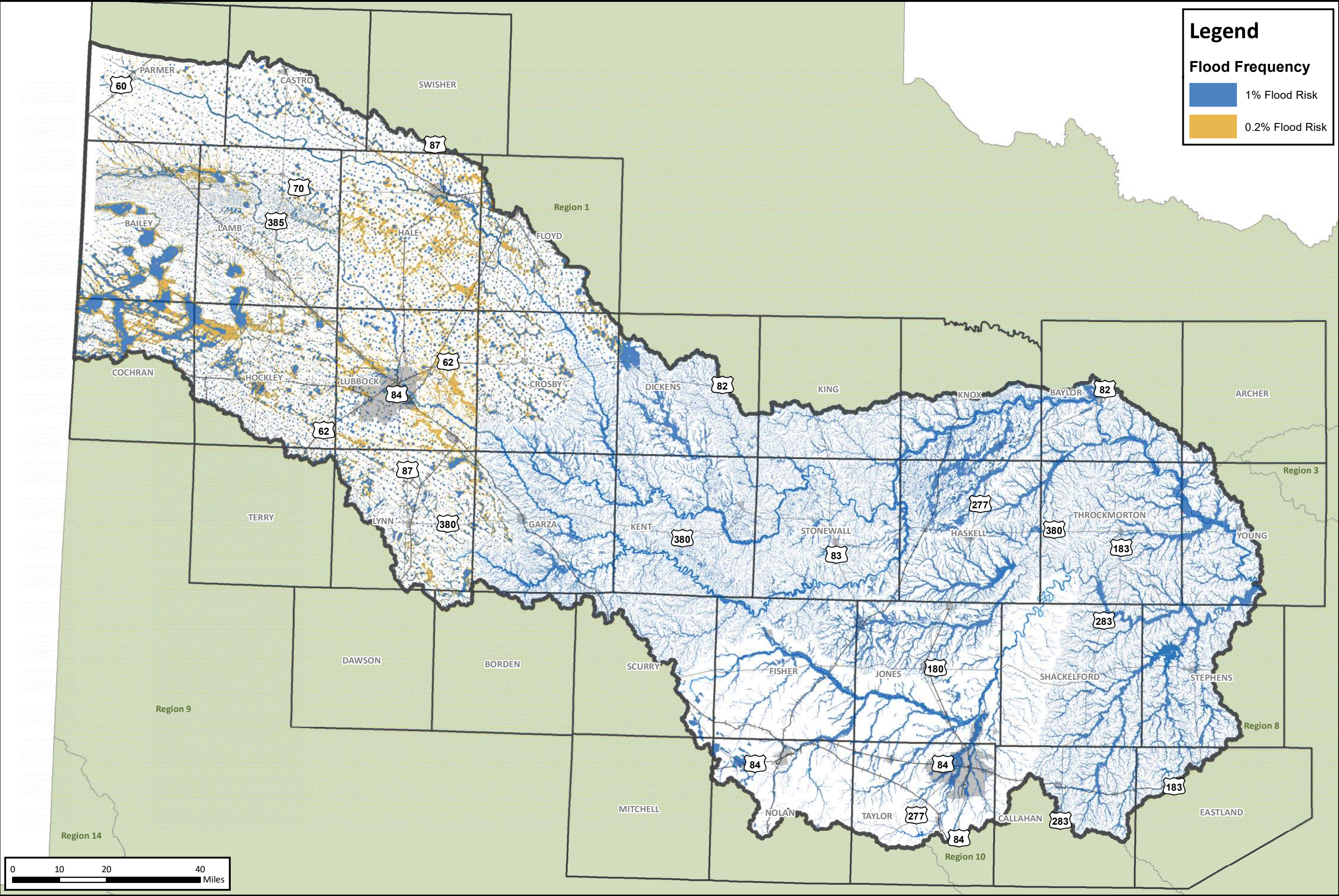
## Future Condition Flood Hazard

REGION 7 UPPER BRAZOS  
2023 REGIONAL FLOOD PLAN

**Legend**

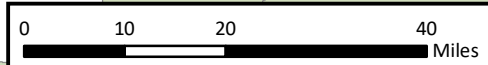
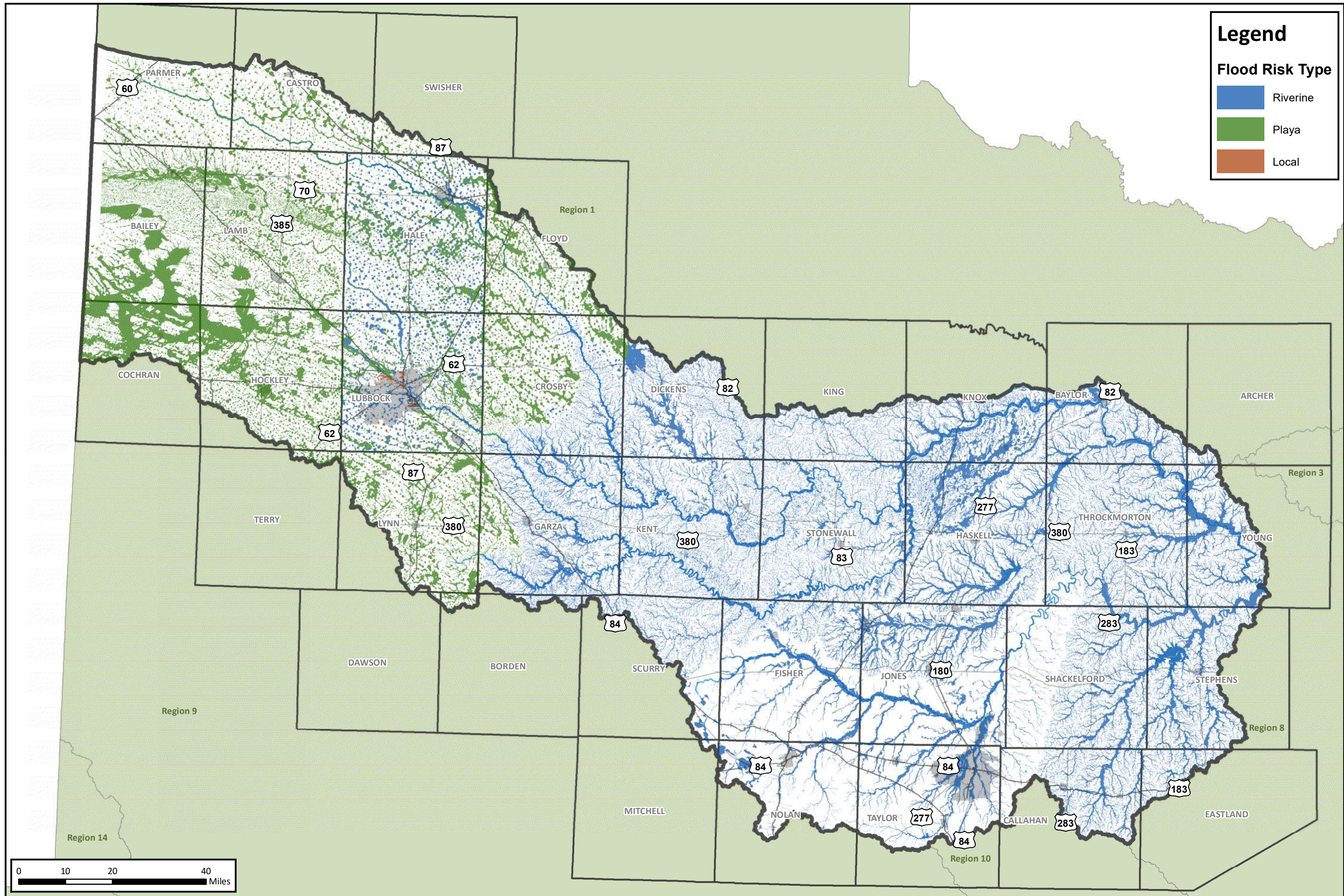
**Flood Frequency**

- 1% Flood Risk
- 0.2% Flood Risk



Path: W:\C:\brv\43000\43793\GIS\Exhibit\_MXD\Map8\_ConditionFidHaz.mxd





MAP

**Future Condition Flood Hazard**  
 REGION 7 UPPER BRAZOS  
 2023 REGIONAL FLOOD PLAN

**Map 8**

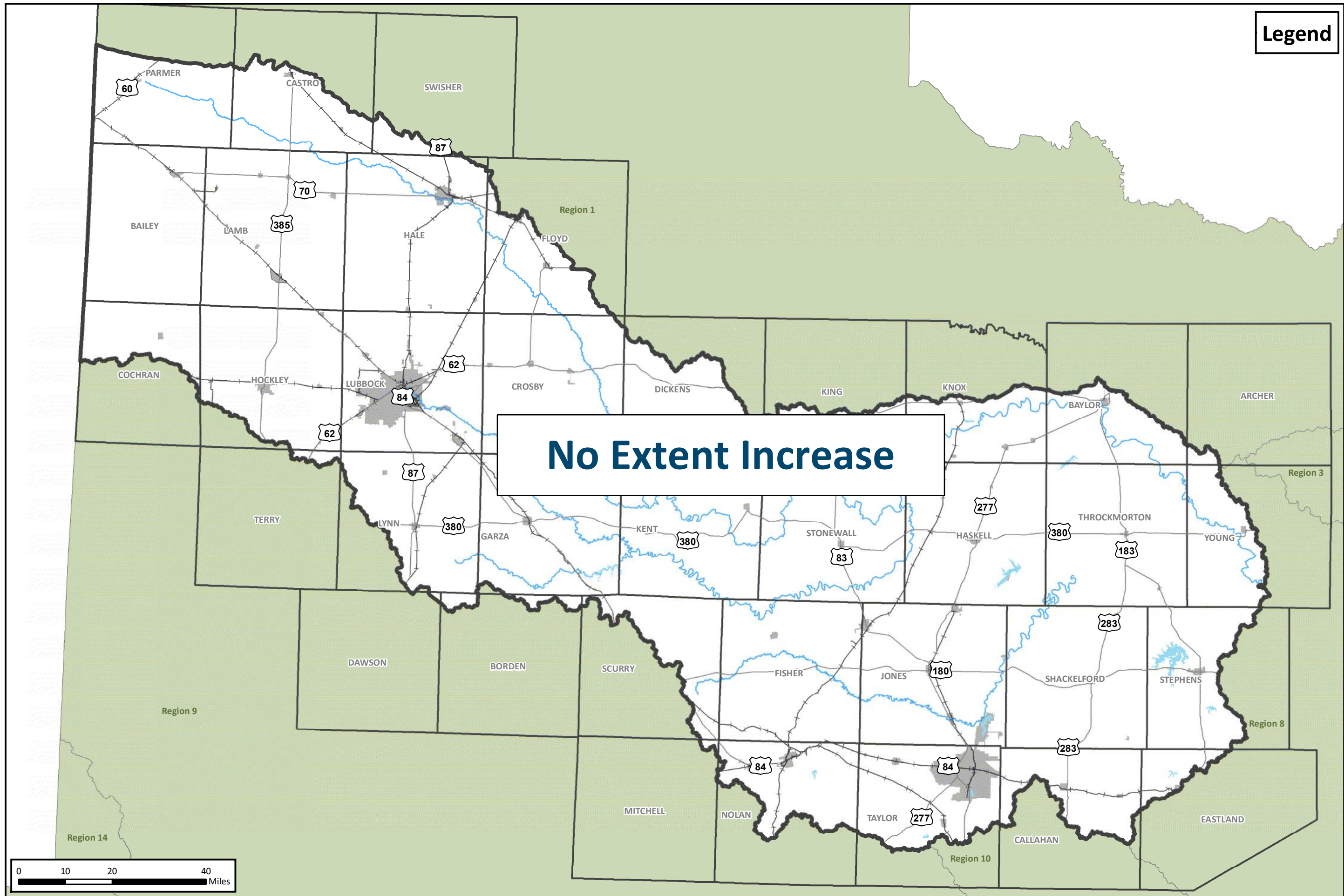
2/14/2022



Path: W:\C:\brx\43000\43793\GIS\Exhibit\_MXD\Map8\_ConditionFloodHaz.mxd



**Map 10: Extent of Increase of Flood Hazard Compared to Existing Condition (Exhibit C2.2.B.1)**



Legend

MAP

# Map 10

2/14/2022

## Future Flood Hazard Increase Extent REGION 7 UPPER BRAZOS 2023 REGIONAL FLOOD PLAN

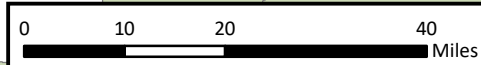
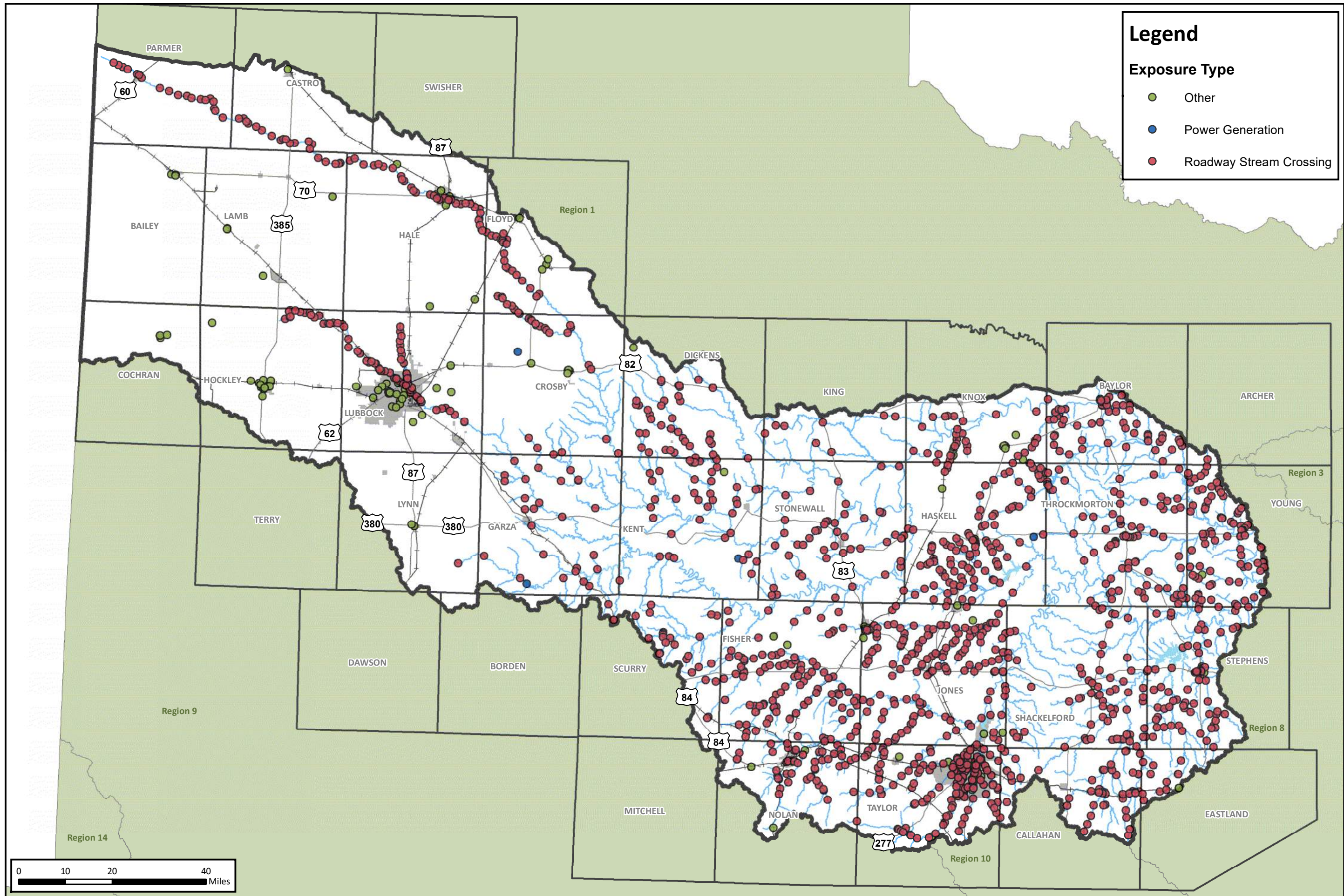


Path: W:\C:\Users\430005143793\GIS\CH2\EM\BIT\_MXD\Map10\_FutureExtentIncrease.mxd



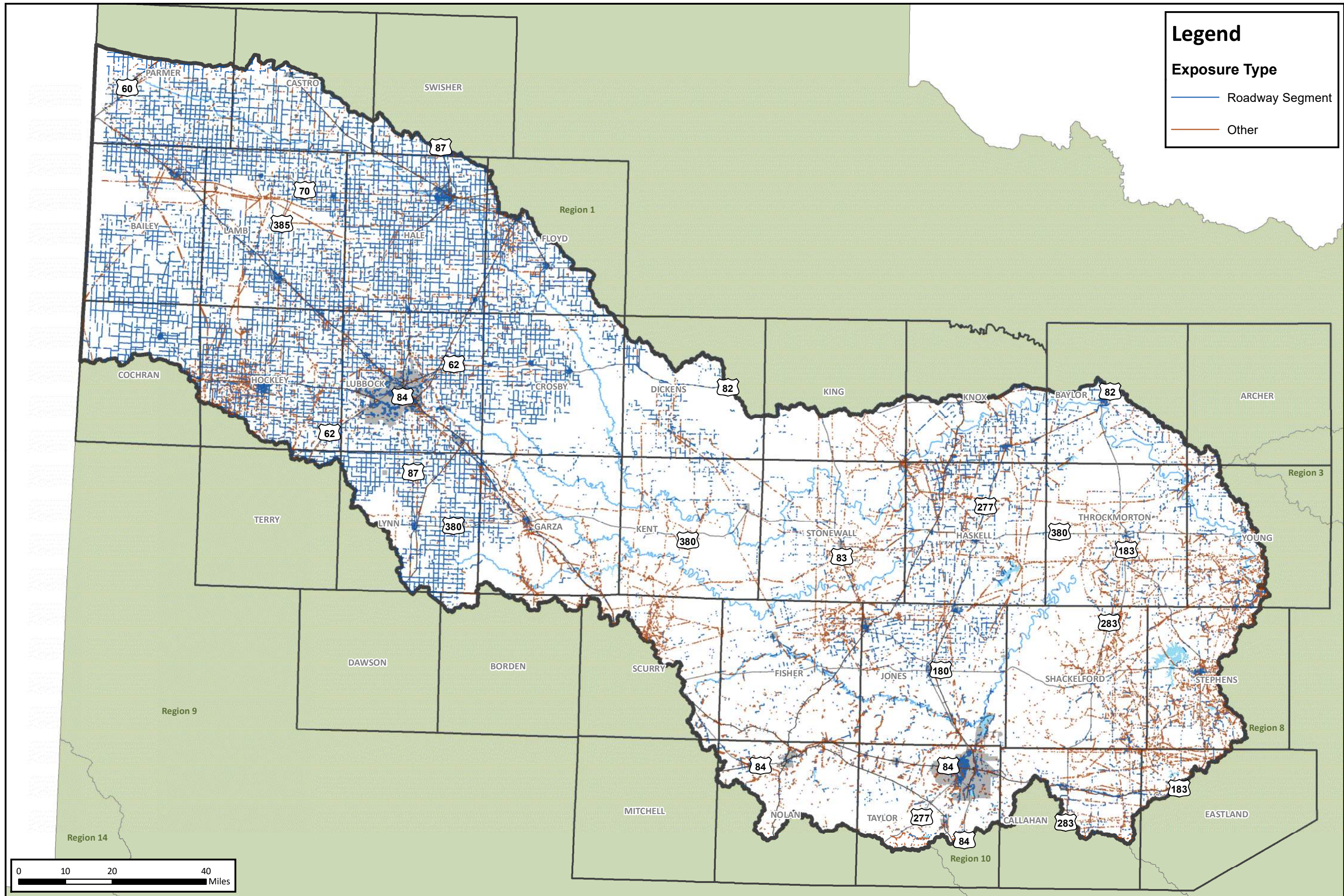
**Map 11: Future Condition Flood Exposure (Exhibit C 2.2.B.2)**





Path: W:\Cbrv\43793\GIS\Ch2\Exhibit\_MXD\Map11\_FutureConditionFloodExp.mxd

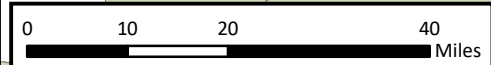




**Legend**

**Exposure Type**

- Roadway Segment
- Other



MAP

**Future Condition Flood Exposure**

REGION 7 UPPER BRAZOS  
2023 REGIONAL FLOOD PLAN

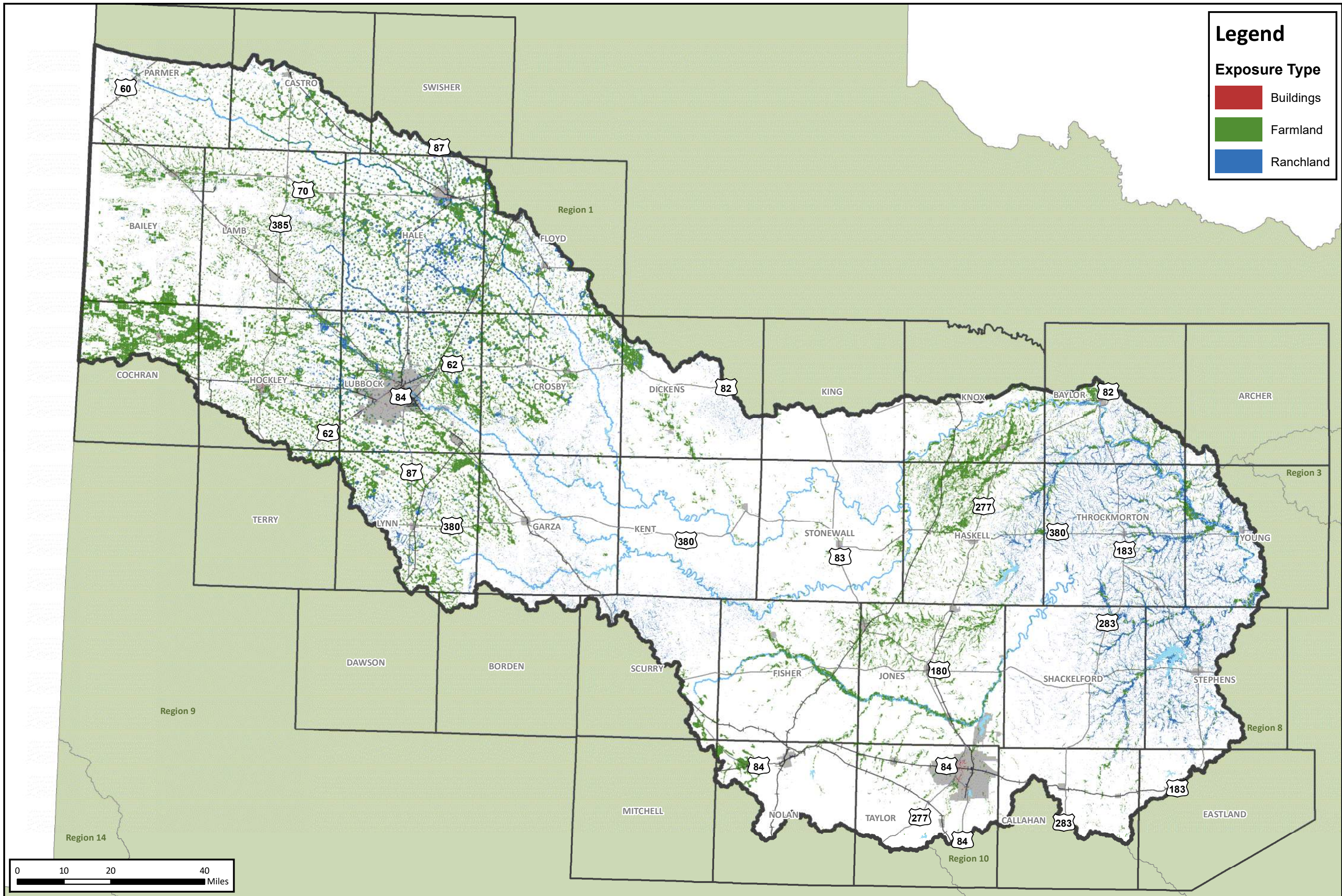


**Map 11 - B**

2/14/2022

Path: W:\Cbrv\43793\GIS\Ch2\Exhibit\_MXD\Map11\_FutureConditionFloodExp.mxd

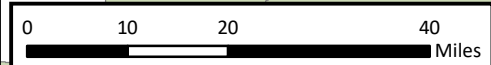




**Legend**

**Exposure Type**

- Buildings
- Farmland
- Ranchland



MAP

# Map 11 - C

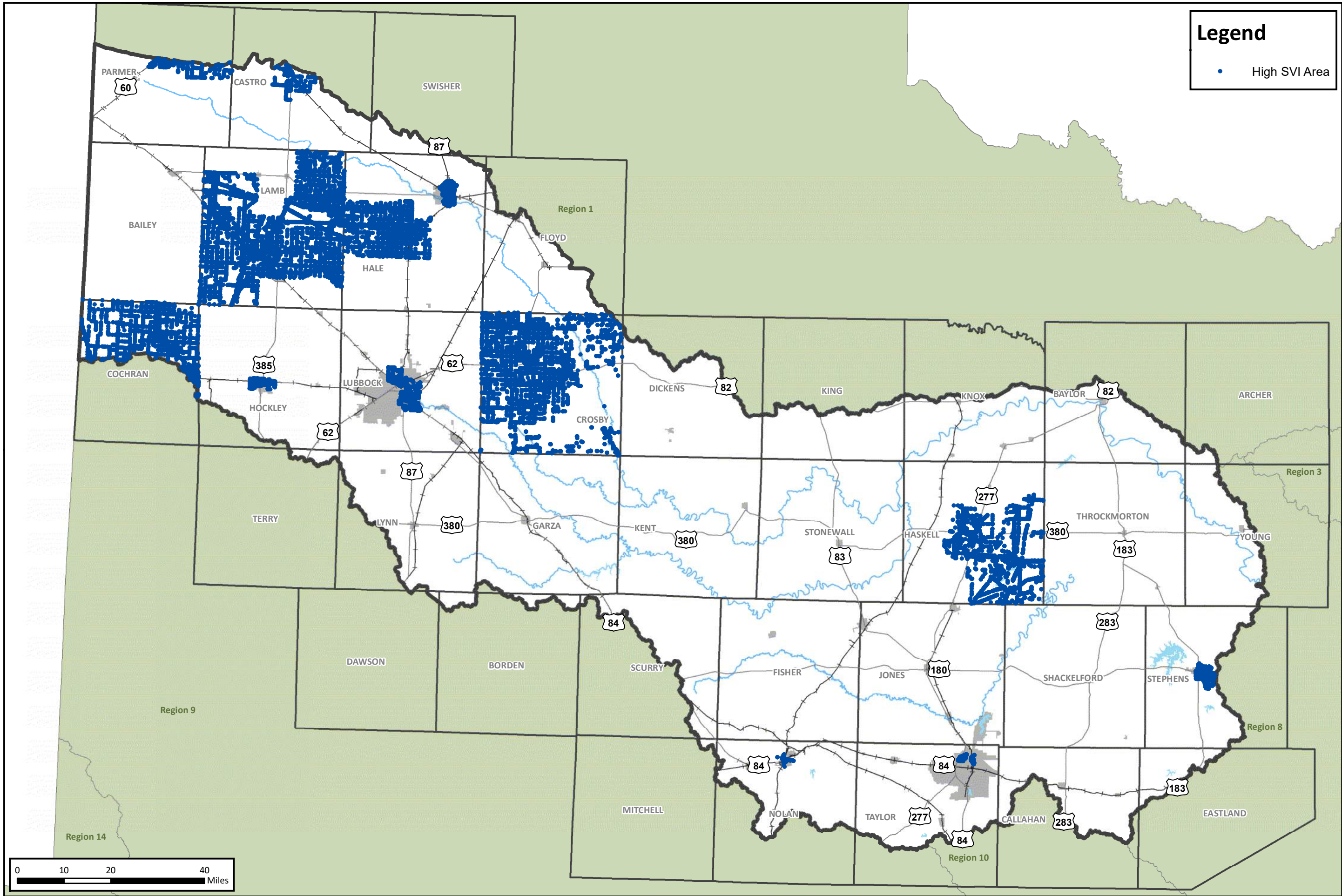
## Future Condition Flood Exposure

REGION 7 UPPER BRAZOS  
2023 REGIONAL FLOOD PLAN



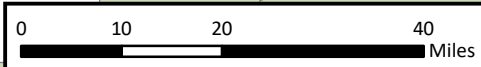


**Map 12: Future Condition Vulnerability and Critical Infrastructure (Exhibit C 2.2.B.3)**



**Legend**

- High SVI Area



**Future Condition Vulnerability**  
REGION 7 UPPER BRAZOS  
2023 REGIONAL FLOOD PLAN

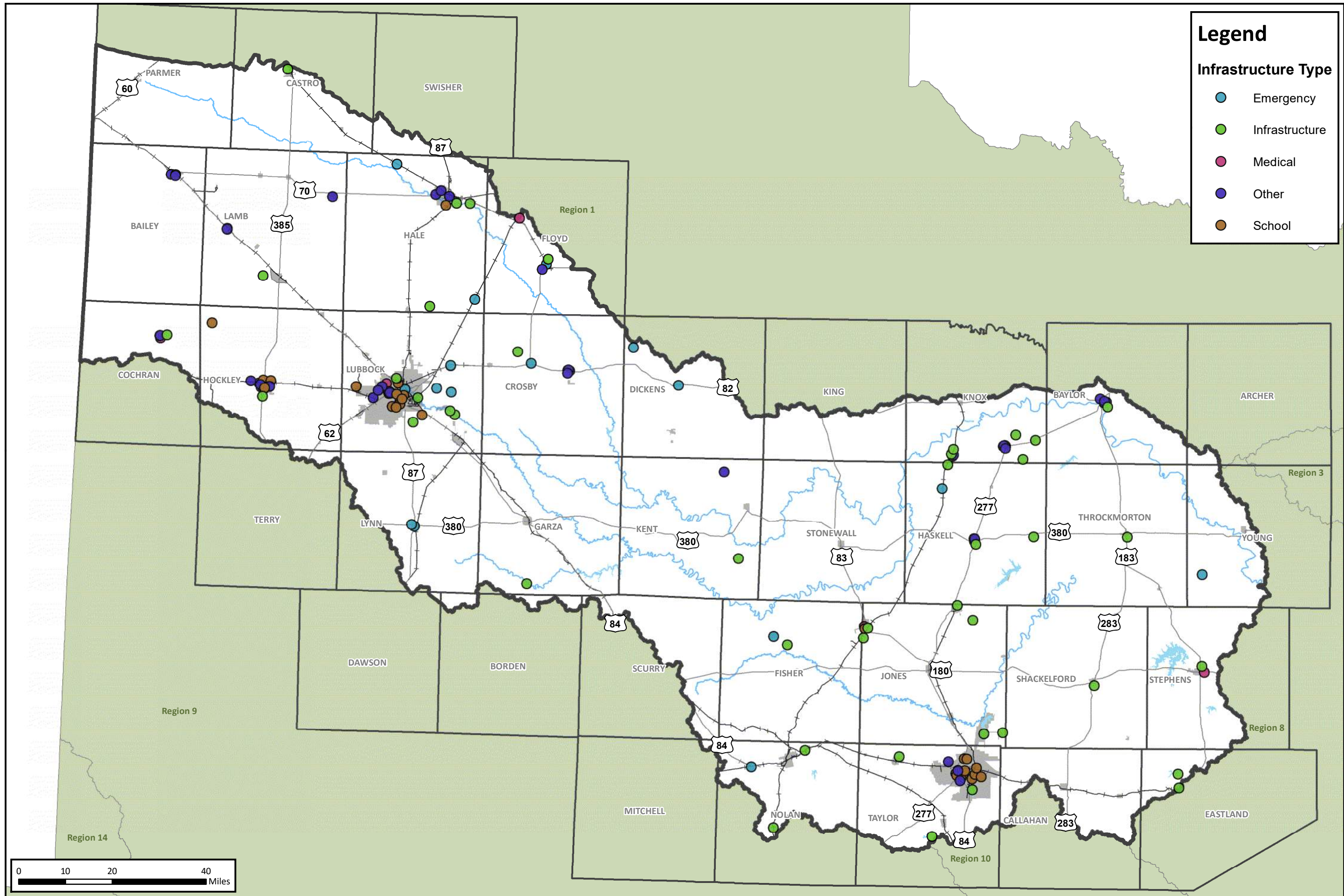
MAP

**Map 7 - A**

2/14/2022

Path: W:\C:\mva\3000\43793\GIS\Ch2\Exhibit\_MXD\Map12A\_FutureConditionsVulnerability.mxd

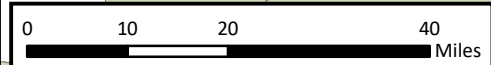




**Legend**

**Infrastructure Type**

- Emergency
- Infrastructure
- Medical
- Other
- School



MAP

**Future Condition Critical Infrastructure At Risk**  
**Map 12 - B**



REGION 7 UPPER BRAZOS  
 2023 REGIONAL FLOOD PLAN

2/14/2022

Path: W:\C:\riva\30005\43793\GIS\Ch2\Exhibit\_Maps\Map12B\_FutureConditionsCriticalInfra.mxd

### Attachment D: Flood Mapping Gaps Geodatabase and Associated Maps

Attachment D includes the associated maps in accordance with TWDB Flood Planning guidance documents that identify additional flood-prone areas not described in (c) based on location of hydrologic features, historic flooding, and/or local knowledge.

Flood prone areas were developed through a comment map where the public could mark and describe flooding areas they are aware of. These comments were then drawn as described and appended to flood prone areas. Additional flood prone areas will be collected through the outreach completed as a part of Task 11. The associated maps show the locations of all flood prone areas identified through February 1, 2022.



**Map 5: Existing Condition Flood Hazard – Gaps in Inundation Boundary Mapping and Identify known Flood Prone Areas (Exhibit C 2.2.A.1)**

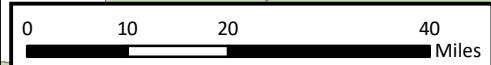
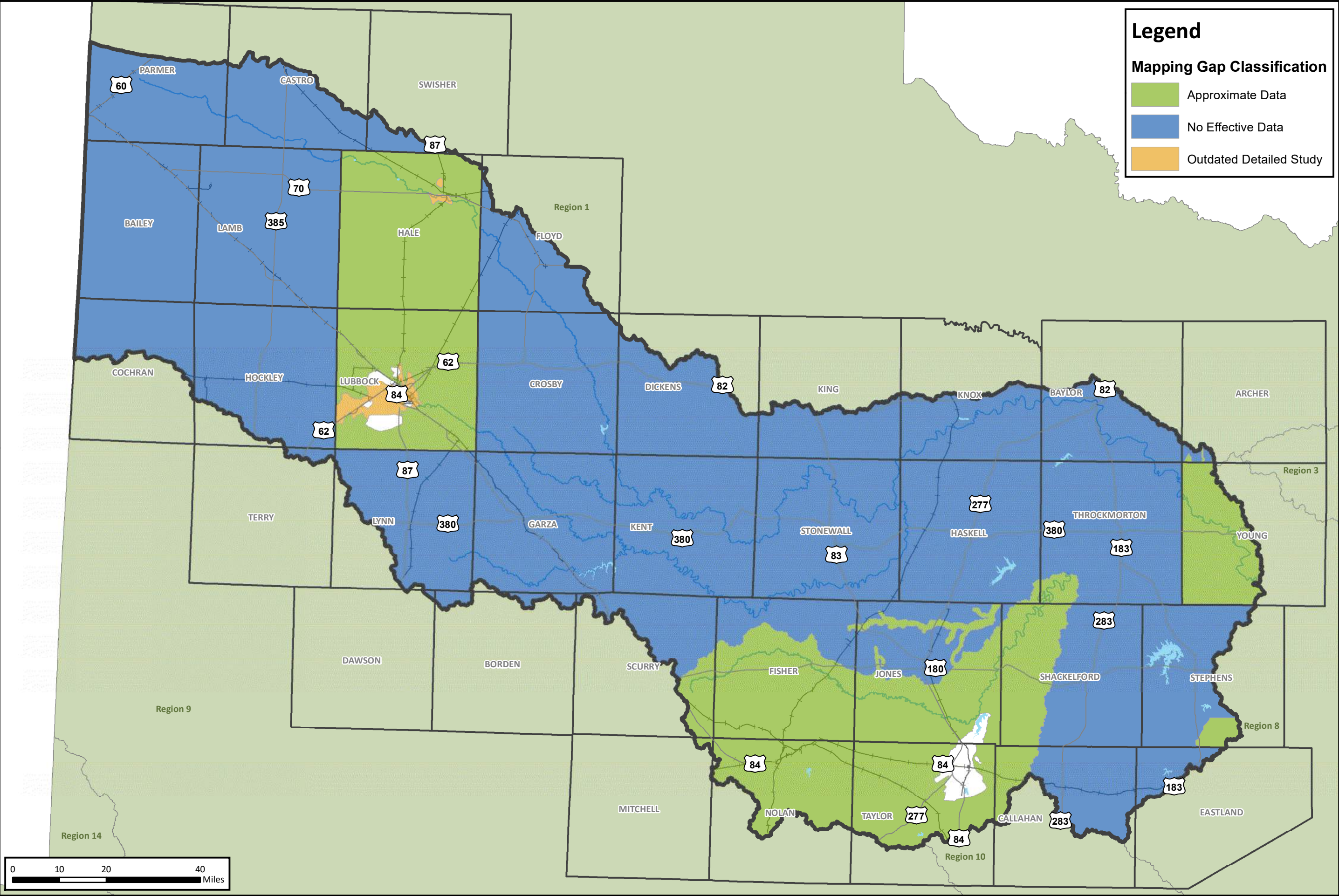
## Existing Condition Flood Hazard - Gaps in Inundation Boundary Mapping

REGION 7 UPPER BRAZOS  
2023 REGIONAL FLOOD PLAN

**Legend**

**Mapping Gap Classification**

- Approximate Data
- No Effective Data
- Outdated Detailed Study



Path: W:\GIS\430005\43793\GIS\CH2\ENR\BIT\_MXD\Map5\_ExistingConditionGaps.mxd

**Map 9: Future Condition Flood Hazard - Gaps in Inundation Boundary Mapping and Identify known Flood Prone Areas (Exhibit C 2.2.B.1)**



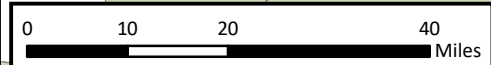
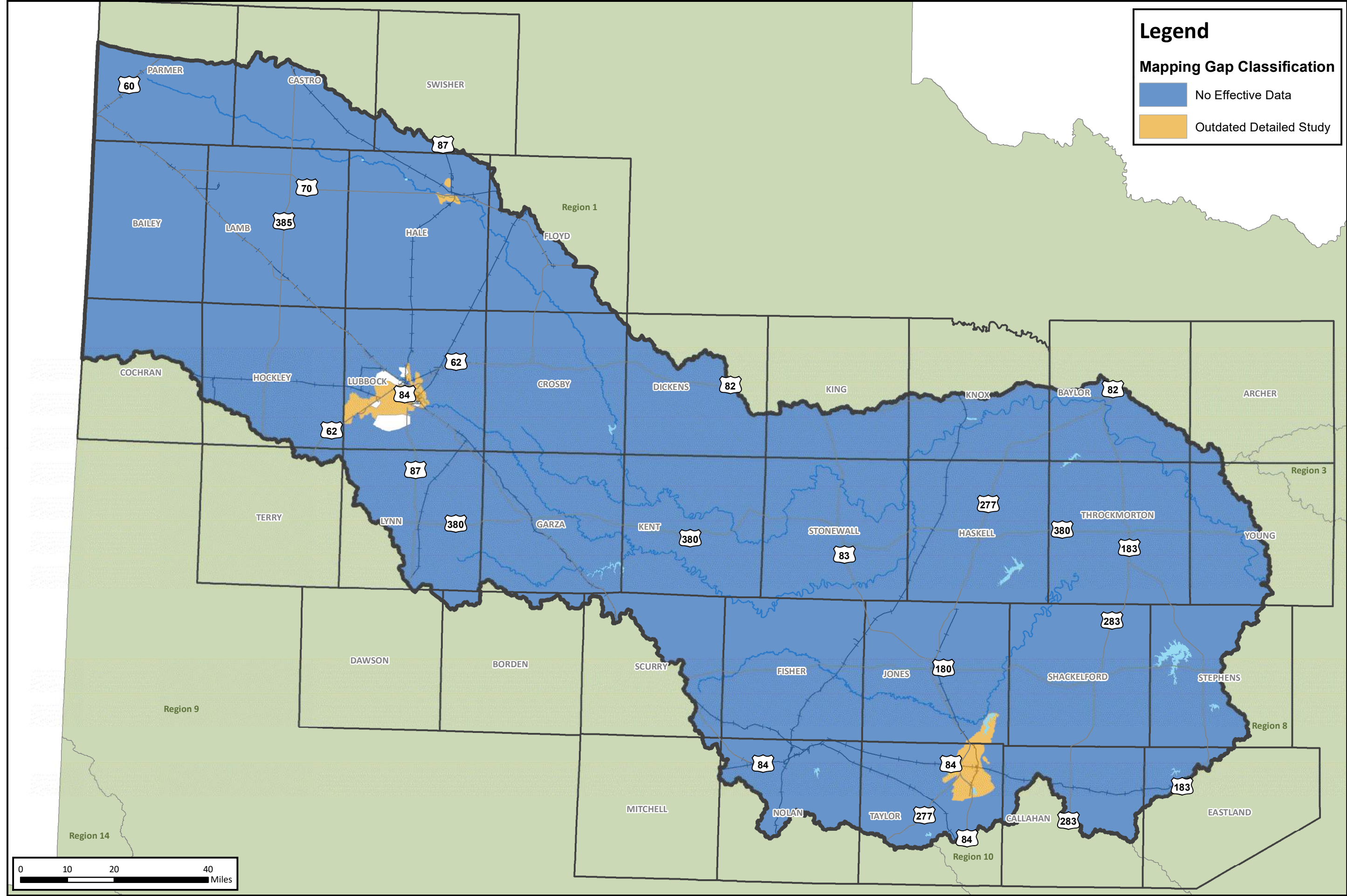
## Future Condition Flood Hazard - Gaps in Inundation Boundary Mapping

REGION 7 UPPER BRAZOS  
2023 REGIONAL FLOOD PLAN

**Legend**

**Mapping Gap Classification**

- No Effective Data
- Outdated Detailed Study



Path: W:\Crim\43000\43793\GIS\Ch2\Exhibit\_MXD\Map9\_FutureConditionGaps.mxd



### **Attachment E: Hydrologic and Hydraulic Models Geodatabase and Associated Maps**

Attachment E includes the associated maps in accordance with TWDB Flood Planning guidance documents that identifies areas where existing hydrologic and hydraulic models needed to evaluate FMSs and FMPs are available. The associated map shows where these models are located within the region.

Map(s) showing where existing hydrologic and hydraulic models needed to evaluate FMSs FMPs are available.

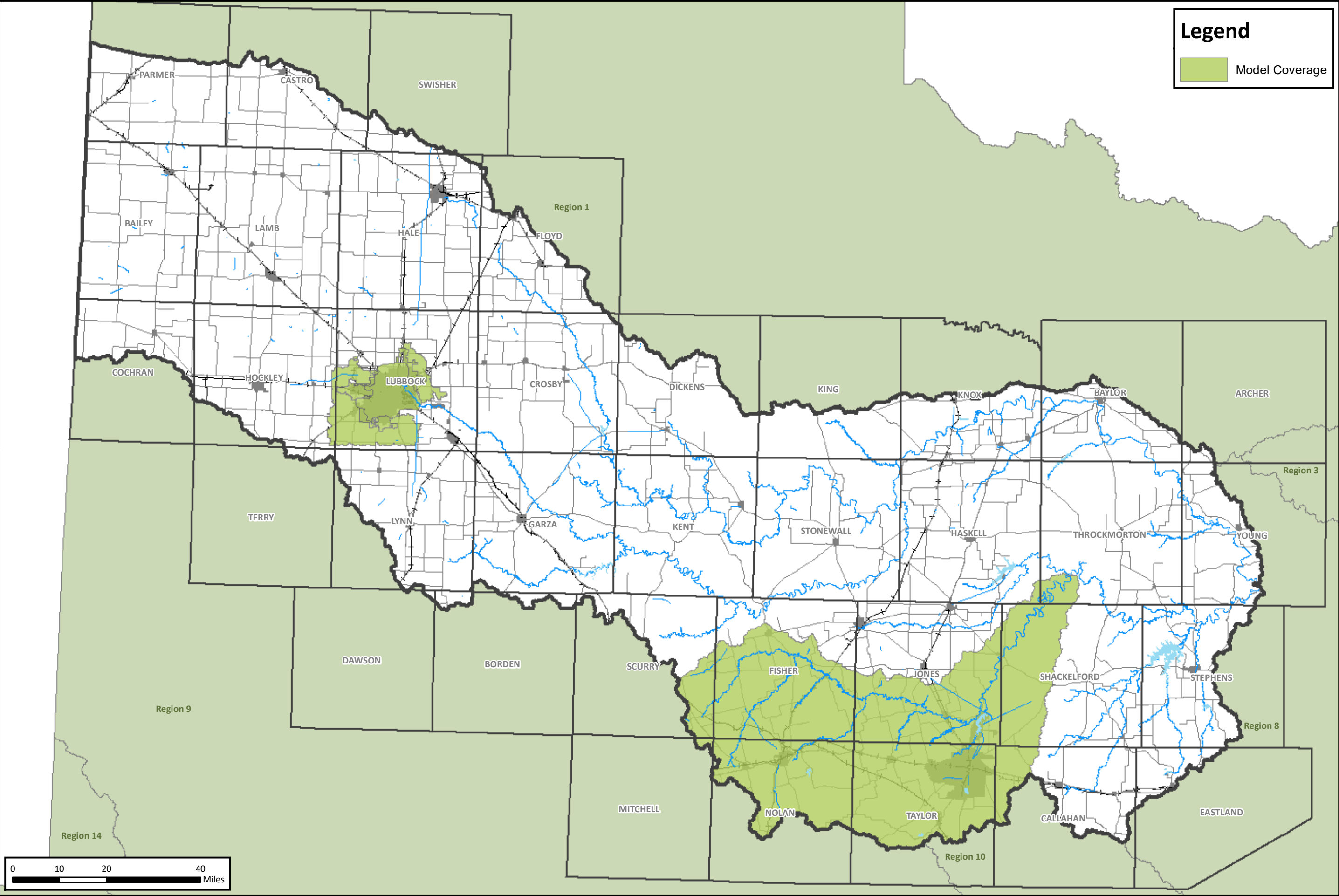
Models Needed to Evaluate FMSS & FMPs

REGION 7 UPPER BRAZOS  
2023 REGIONAL FLOOD PLAN



**Legend**

Model Coverage



Path: H:\STORMWATER\Final Exhibits\07TM\_ModelNeeds.mxd

**Attachment K: Spatial Data Inventory**

As specified in Task 4C of the *Scope of Work*, the RFPG must provide a limited version of associated GIS data or deliverables. The table below summarizes the datasets included in the geodatabase submittal of this Interim Technical Memorandum. The GIS dataset and feature layers submitted are a mid-point deliverable intended to show progress toward the flood plan and will be enhanced in the draft flood plan.

Table 1: GIS Feature Class Inventory

File #	Item Name	Feature Class Name	Submittal Date
1	Entities	Entities	January 7, 2022 – Limited Fields
2	Watersheds	Watersheds	January 7, 2022
3	Existing Infrastructure	ExFldInfraPol	January 7, 2022
4		ExFldInfraLn	
5		ExFldInfraPt	
6	Proposed or Ongoing Flood Mitigation Projects	ExFldProjs	January 7, 2022
7	<b>Existing Flood Hazard</b>	<b>ExFldHazard</b>	<b>March 7, 2022</b>
8	<b>Flood Mapping Gaps</b>	<b>Fld_Map_Gaps</b>	<b>March 7, 2022</b>
9	Existing Exposure	ExFldExpPol	March 7, 2022
10		ExFldExpLn	
11		ExFldExpPt	
12		ExFldExpAll	
13	<b>Future Flood Hazard</b>	<b>FutFldHazard</b>	<b>March 7, 2022</b>
14	Future Exposure	FutFldExpPol	March 7, 2022
15		FutFldExpLn	
16		FutFldExpPt	
17		FutFldExpAll	
18	Existing Floodplain Management Practices	ExFpMP - Table	January 7, 2022
19	Goals	Goals - Table	January 7, 2022 – Limited Fields
20	Streams	Streams	January 7, 2022
21	Flood Management Evaluations	FME	January 7, 2022 – Limited Fields
22	Flood Mitigation Projects	FMP	January 7, 2022 – Limited Fields
23	<i>Post Project Hazard</i>	<i>FMP_HazPost</i>	<i>August 1, 2022 – Draft Plan</i>
24	<i>Project Details</i>	<i>FMP_Details</i>	<i>August 1, 2022 – Draft Plan</i>
25	Flood Management Strategies	FMS	January 7, 2022 – Limited Fields



FINAL JANUARY 10, 2023

## **APPENDIX C - ADDITIONAL DATA**

TASK 5 FME ONE PAGE SUMMARY SHEETS

# Flood Management Evaluation (FME)



Title Archer County DCM  
 ID# 071000119  
 Sponsor (name of entity, not person) Archer (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

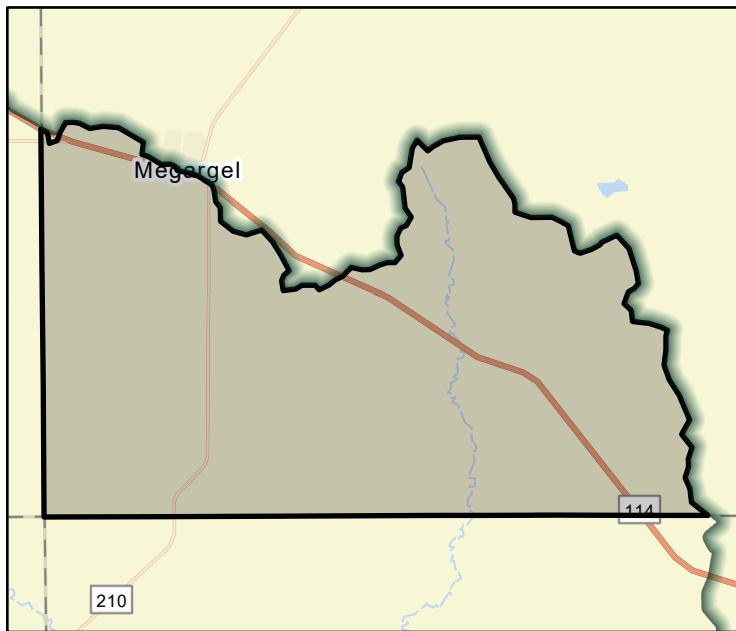
Study type Other  
 Study description Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.  
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No  
 County Archer Watershed HUC# (if known) 111302060203, 111302060204, 111302060301, 111302060302,  
 Drainage area (Square miles, est.) 22 Goal(s) 07000083, 07000084, 07000085

## 100-Year Flood Risk Summary

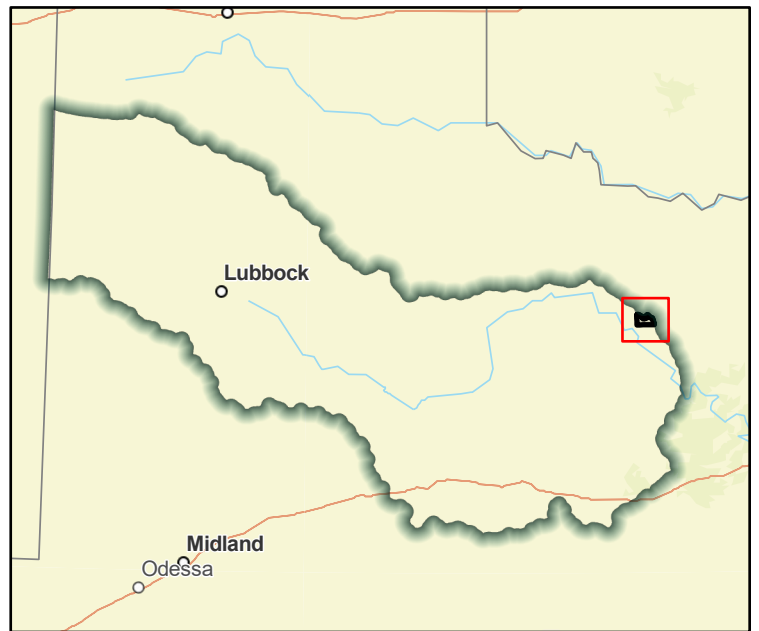
Population at risk 0 # of structures 0 Critical facilities 0  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 878 Roadway(s) impacted (length) 2  
 Number of low water crossings 0 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Archer County GIS Development  
 ID# 071000084  
 Sponsor (name of entity, not person) Archer (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

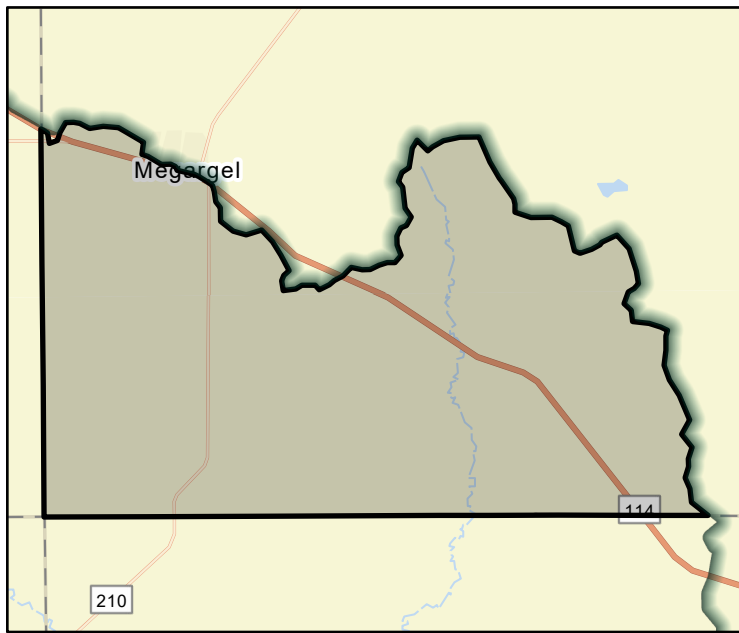
Study type Other  
 Study description Develop a GIS inventory of stormwater infrastructure  
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No  
 County Archer Watershed HUC# (if known) 111302060203, 111302060204, 111302060301, 111302060302,  
 Drainage area (Square miles, est.) 22 Goal(s) 07000011, 07000012

## 100-Year Flood Risk Summary

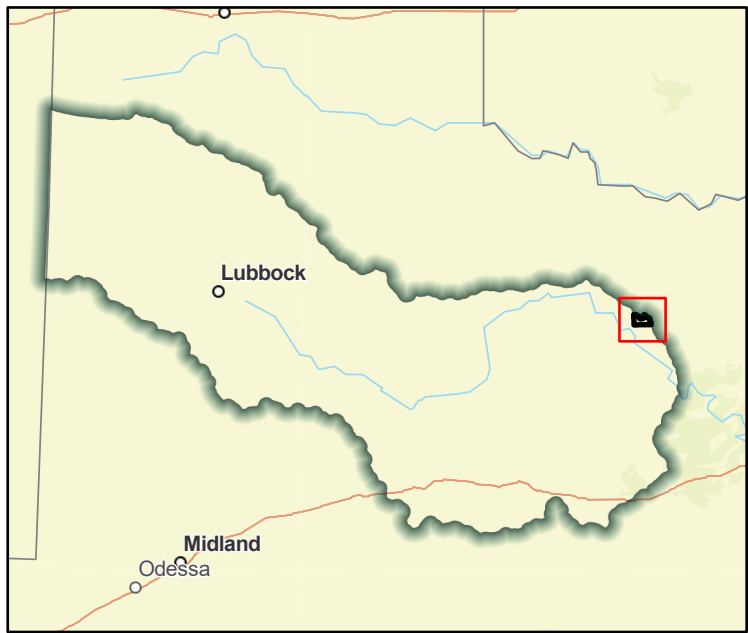
Population at risk 0 # of structures 0 Critical facilities 0  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 878 Roadway(s) impacted (length) 2  
 Number of low water crossings 0 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Archer County Relocate Critical Facilities High Hazard  
 ID# 071000120  
 Sponsor (name of entity, not person) Archer (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

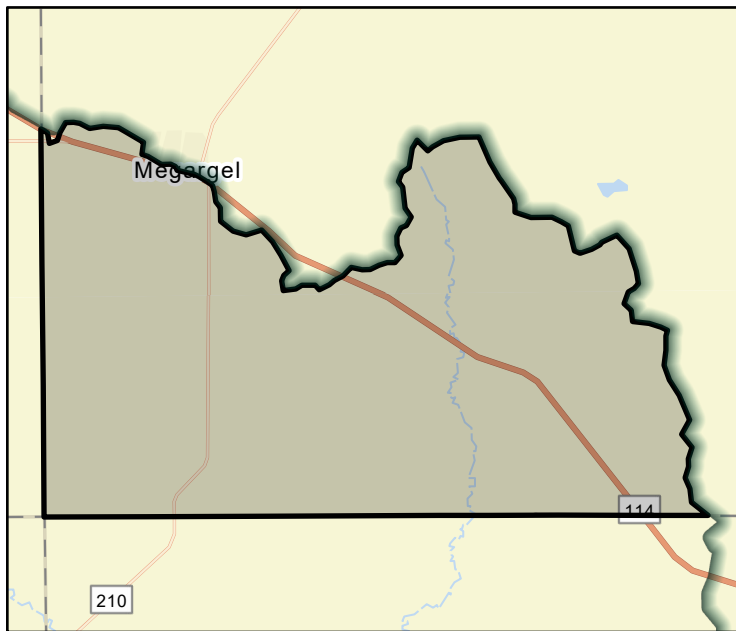
Study type Project Planning  
 Study description Relocate critical facilities out of high hazard areas.  
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No  
 County Archer Watershed HUC# (if known) 111302060203, 111302060204, 111302060301, 111302060302,  
 Drainage area (Square miles, est.) 22 Goal(s) 07000041, 07000042

## 100-Year Flood Risk Summary

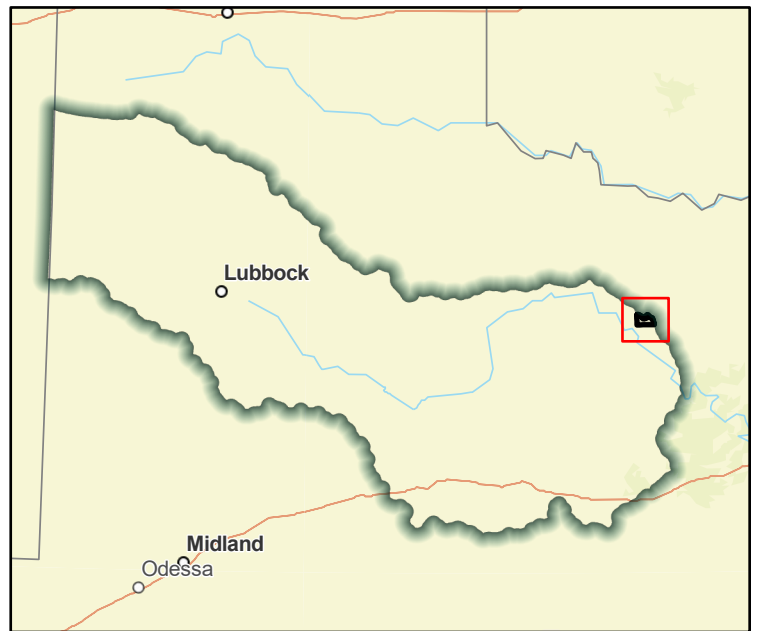
Population at risk 0 # of structures 0 Critical facilities 0  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 878 Roadway(s) impacted (length) 2  
 Number of low water crossings 0 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$2,000,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Bailey County DCM**

ID# **071000121**

Sponsor (name of entity, not person) **Bailey (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Bailey** Watershed HUC# (if known) **120500010504, 120500010505, 120500010506, 120500010507,**

Drainage area (Square miles, est.) **826** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **759** # of structures **475** Critical facilities **1**

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

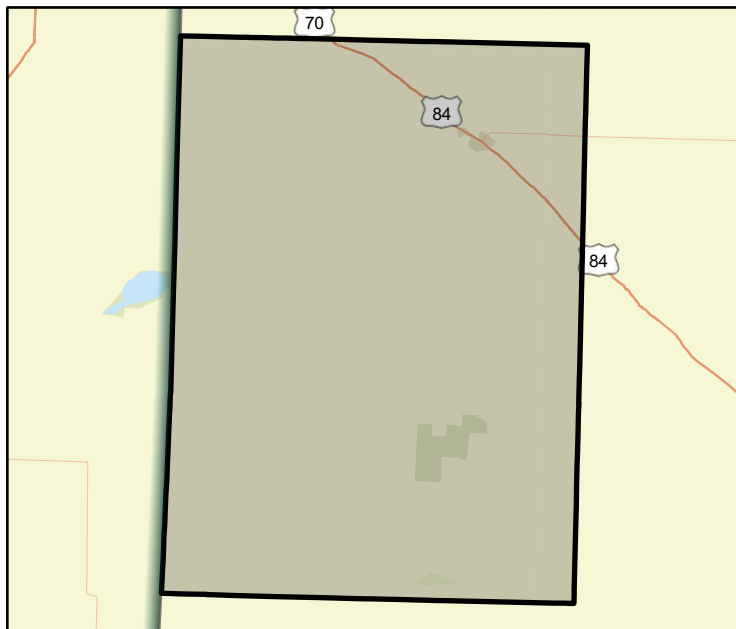
Farm/Ranch land impacted (acres) **32,567** Roadway(s) impacted (length) **499**

Number of low water crossings **13** Historical road closures **0**

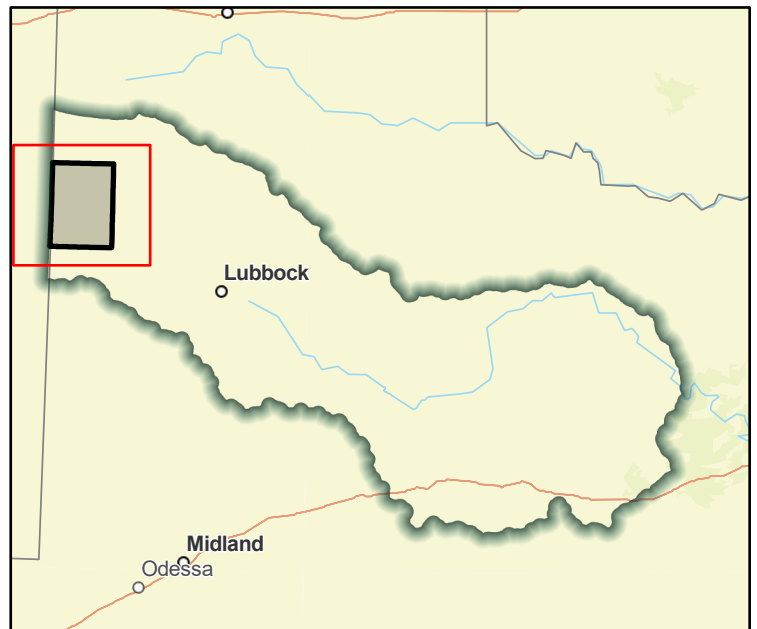
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Bailey County GIS Development**

ID# **071000085**

Sponsor (name of entity, not person) **Bailey (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Bailey** Watershed HUC# (if known) **120500010504, 120500010505, 120500010506, 120500010507,**

Drainage area (Square miles, est.) **826** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **759** # of structures **475** Critical facilities **1**

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

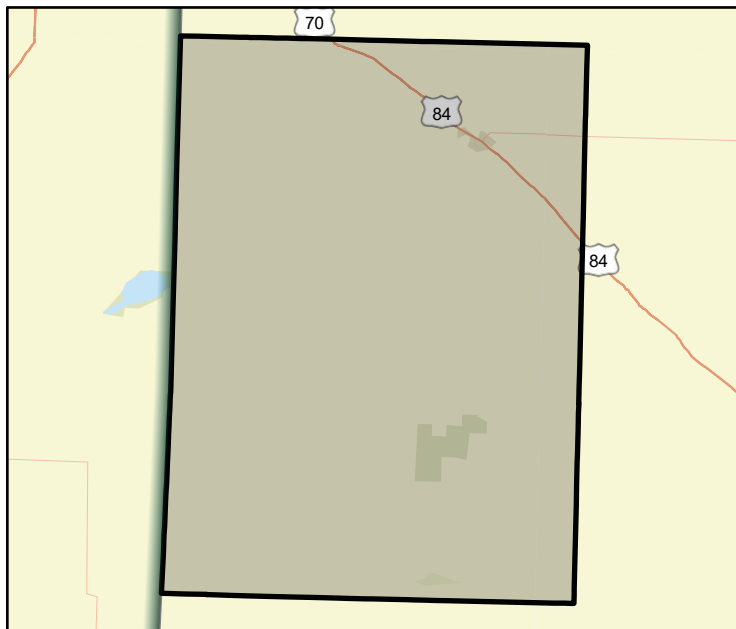
Farm/Ranch land impacted (acres) **32,567** Roadway(s) impacted (length) **499**

Number of low water crossings **13** Historical road closures **0**

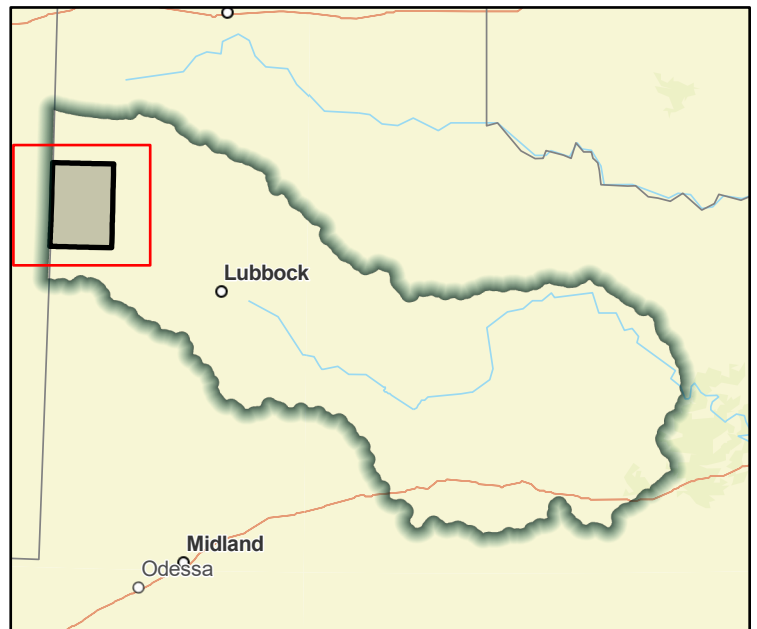
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Bailey County Initial FEMA Mapping**

ID# **071000001**

Sponsor (name of entity, not person) **Bailey (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Create FEMA Mapping in previously unmapped areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Bailey** Watershed HUC# (if known) **120500010504, 120500010505, 120500010506, 120500010507,**

Drainage area (Square miles, est.) **826** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **759** # of structures **475** Critical facilities **1**

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

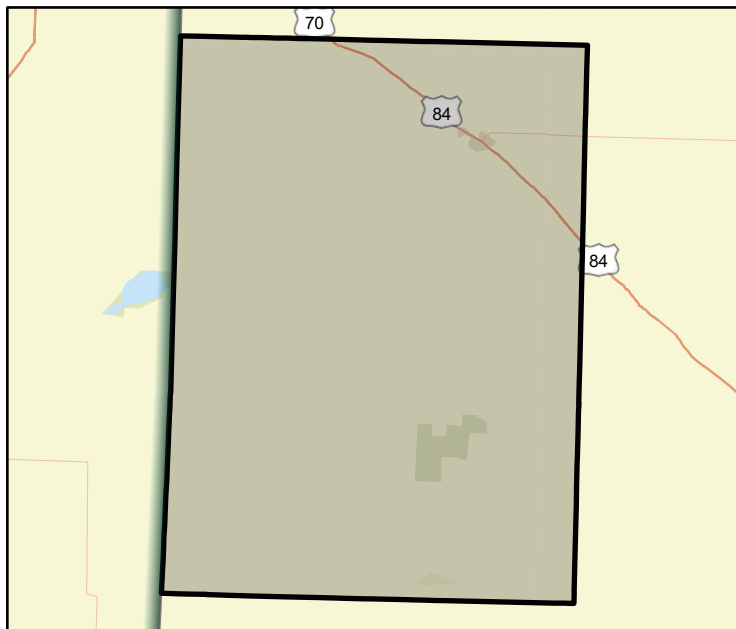
Farm/Ranch land impacted (acres) **32,567** Roadway(s) impacted (length) **499**

Number of low water crossings **13** Historical road closures **0**

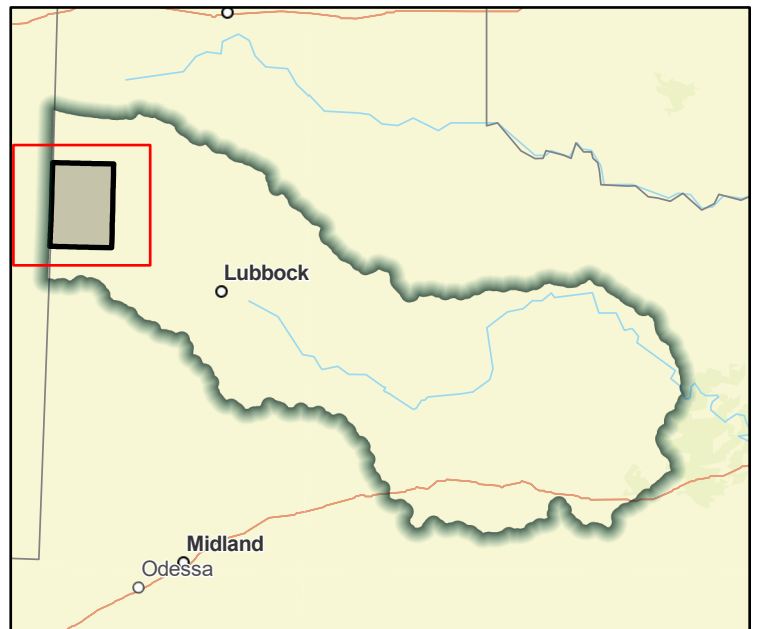
## Estimated Cost and Funding Availability

Total Cost **\$711,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Baylor County DCM**

ID# **071000122**

Sponsor (name of entity, not person) **Baylor (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Baylor** Watershed HUC# (if known) **111302040306, 111302060101, 111302060102, 111302060103,**

Drainage area (Square miles, est.) **392** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **684** # of structures **361** Critical facilities **0**

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

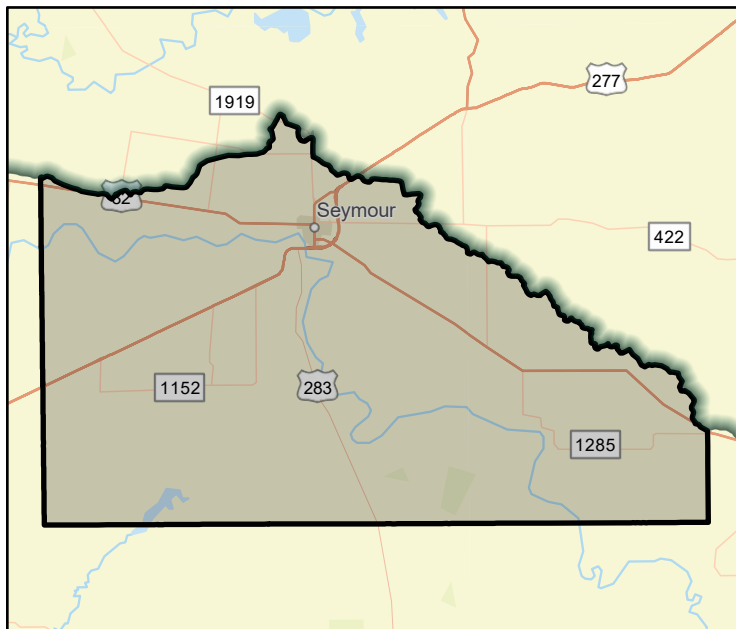
Farm/Ranch land impacted (acres) **28,476** Roadway(s) impacted (length) **54**

Number of low water crossings **7** Historical road closures **0**

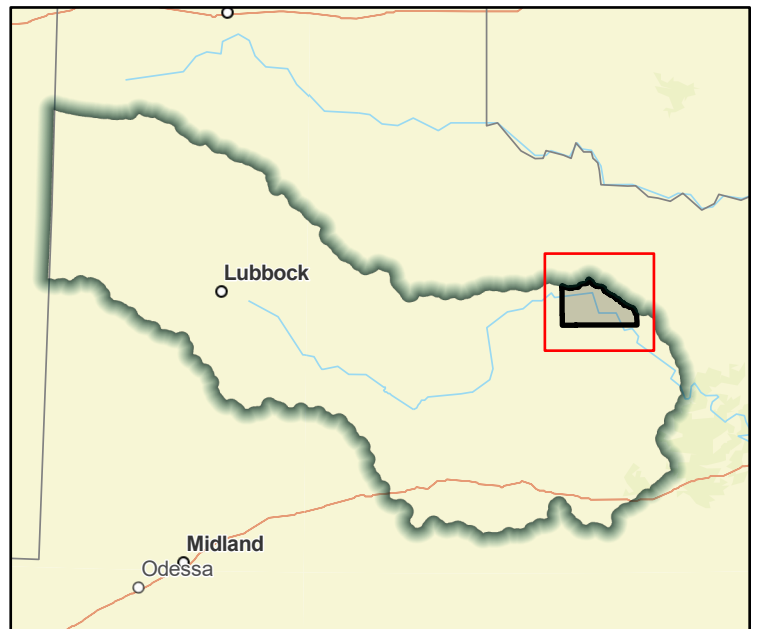
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Baylor County DMP**

ID# **071000031**

Sponsor (name of entity, not person) **Baylor (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Baylor** Watershed HUC# (if known) **111302040306, 111302060101, 111302060102, 111302060103,**

Drainage area (Square miles, est.) **392** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **684** # of structures **361** Critical facilities **0**

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

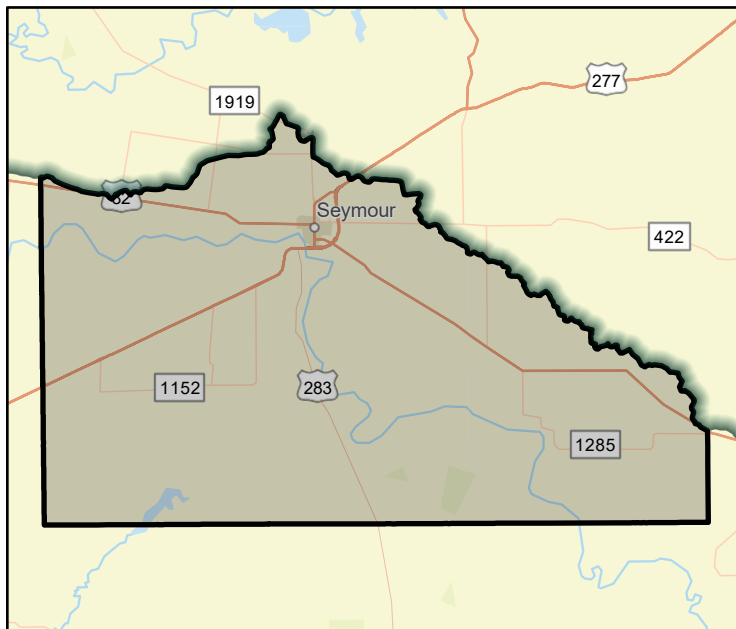
Farm/Ranch land impacted (acres) **28,476** Roadway(s) impacted (length) **54**

Number of low water crossings **7** Historical road closures **0**

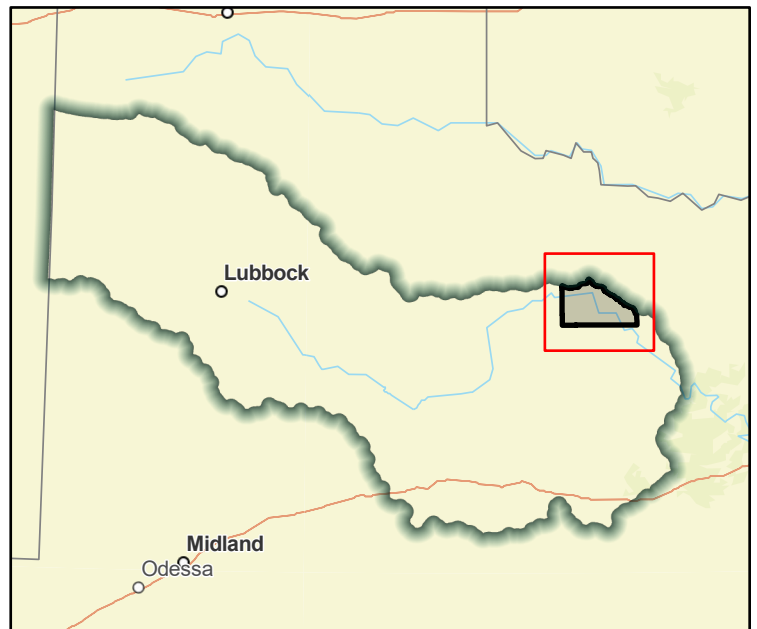
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Baylor County GIS Development**

ID# **071000086**

Sponsor (name of entity, not person) **Baylor (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Baylor** Watershed HUC# (if known) **111302040306, 111302060101, 111302060102, 111302060103,**

Drainage area (Square miles, est.) **392** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **684** # of structures **361** Critical facilities **0**

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

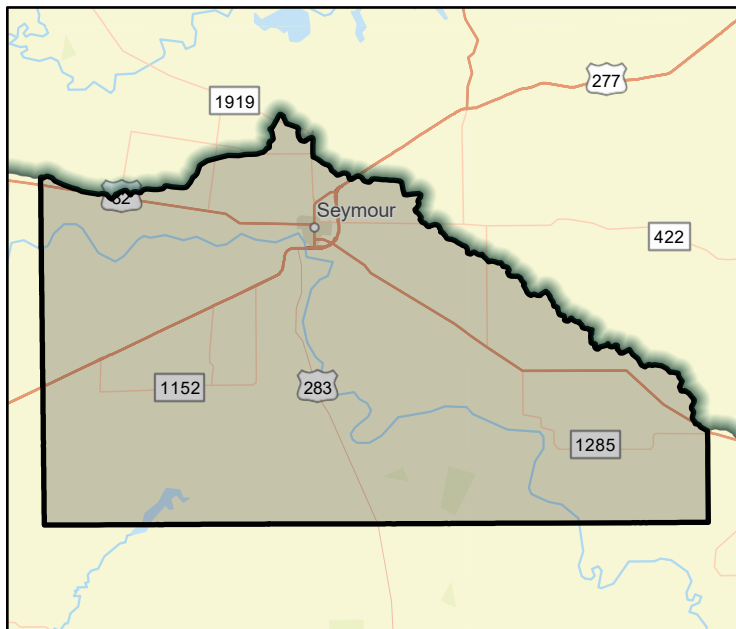
Farm/Ranch land impacted (acres) **28,476** Roadway(s) impacted (length) **54**

Number of low water crossings **7** Historical road closures **0**

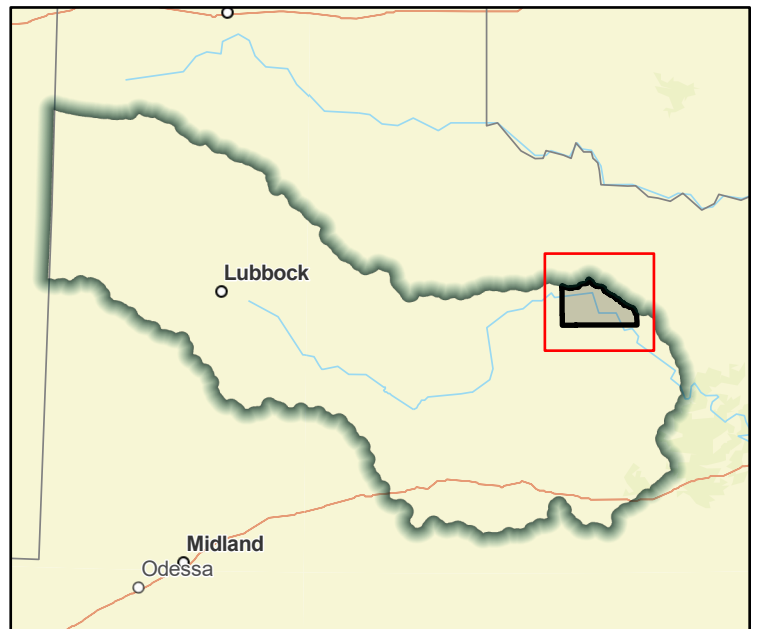
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Baylor County Initial FEMA Mapping**

ID# **071000002**

Sponsor (name of entity, not person) **Baylor (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Create FEMA Mapping in previously unmapped areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Baylor** Watershed HUC# (if known) **111302040306, 111302060101, 111302060102, 111302060103,**

Drainage area (Square miles, est.) **392** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **684** # of structures **361** Critical facilities **0**

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

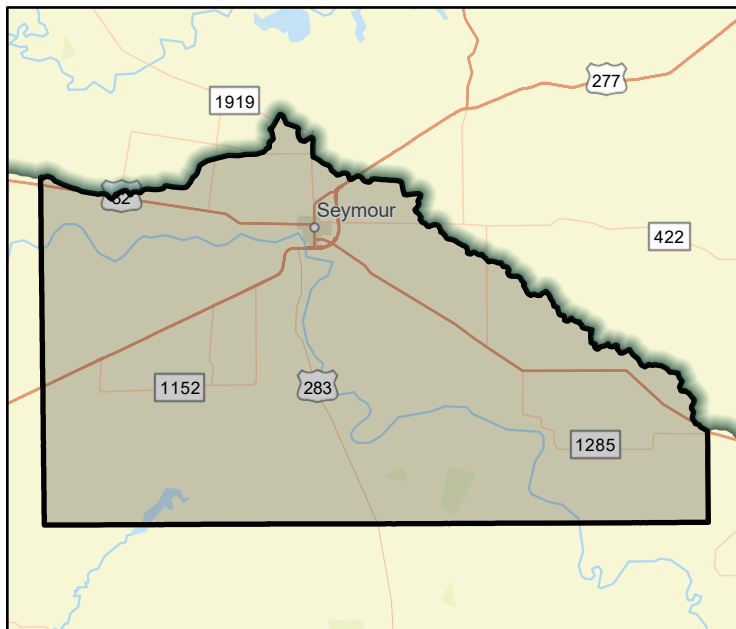
Farm/Ranch land impacted (acres) **28,476** Roadway(s) impacted (length) **54**

Number of low water crossings **7** Historical road closures **0**

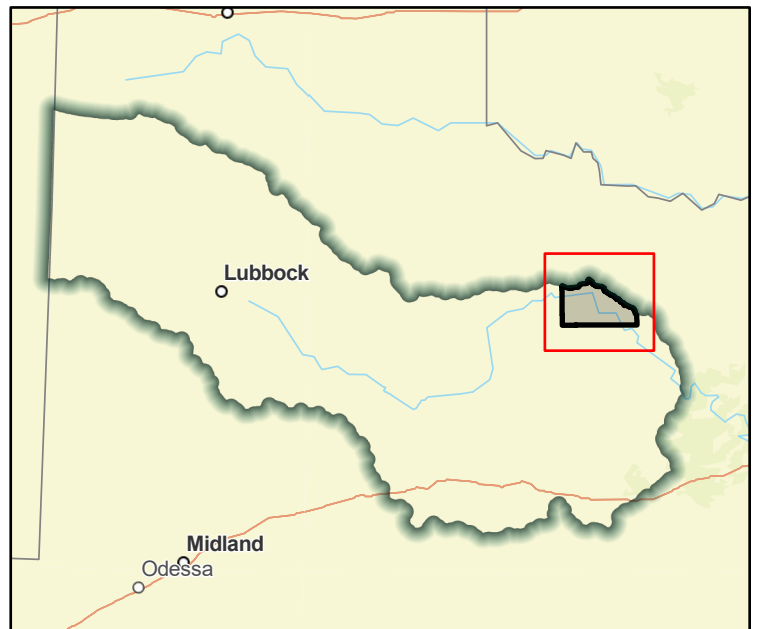
## Estimated Cost and Funding Availability

Total Cost **\$888,000** Amount of Available Funding **\$1,000,000** Federal funding availability **Yes**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Borden County DCM**

ID# **071000123**

Sponsor (name of entity, not person) **Borden (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Borden** Watershed HUC# (if known) **120500040306, 120500040308, 120500040406, 120500040501,**

Drainage area (Square miles, est.) **55** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **1** # of structures **10** Critical facilities **0**

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

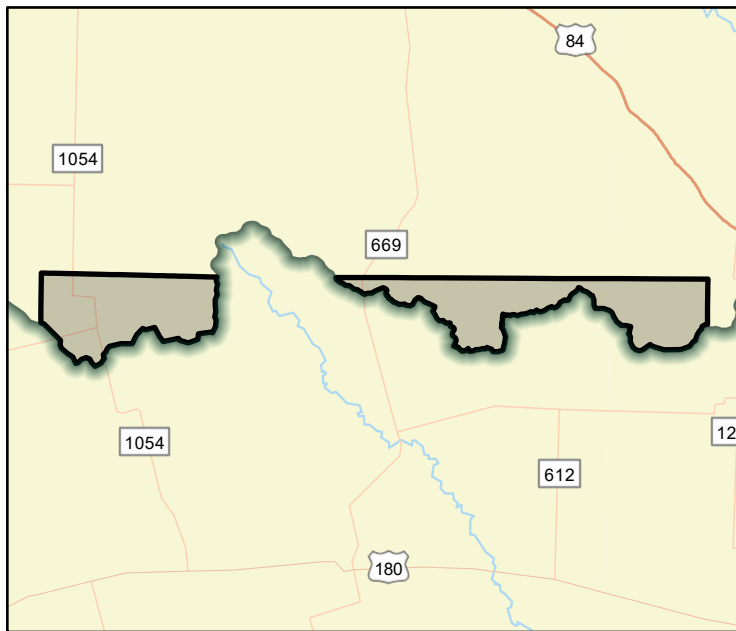
Farm/Ranch land impacted (acres) **1,592** Roadway(s) impacted (length) **5**

Number of low water crossings **0** Historical road closures **0**

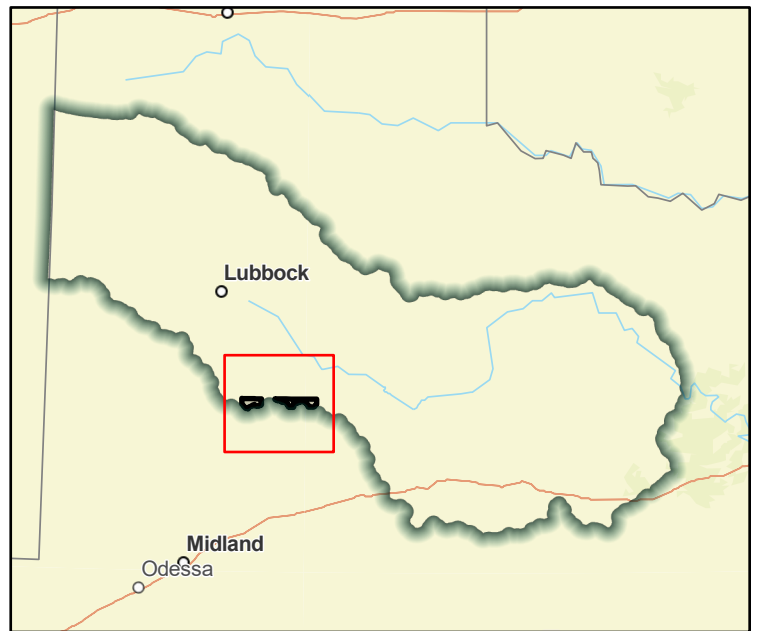
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Borden County GIS Development**

ID# **071000087**

Sponsor (name of entity, not person) **Borden (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Borden** Watershed HUC# (if known) **120500040306, 120500040308, 120500040406, 120500040501,**

Drainage area (Square miles, est.) **55** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **1** # of structures **10** Critical facilities **0**

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

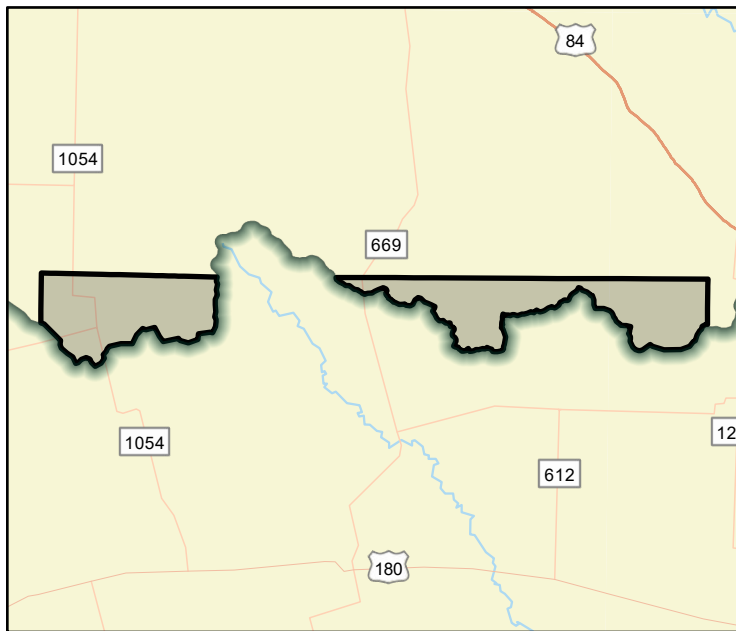
Farm/Ranch land impacted (acres) **1,592** Roadway(s) impacted (length) **5**

Number of low water crossings **0** Historical road closures **0**

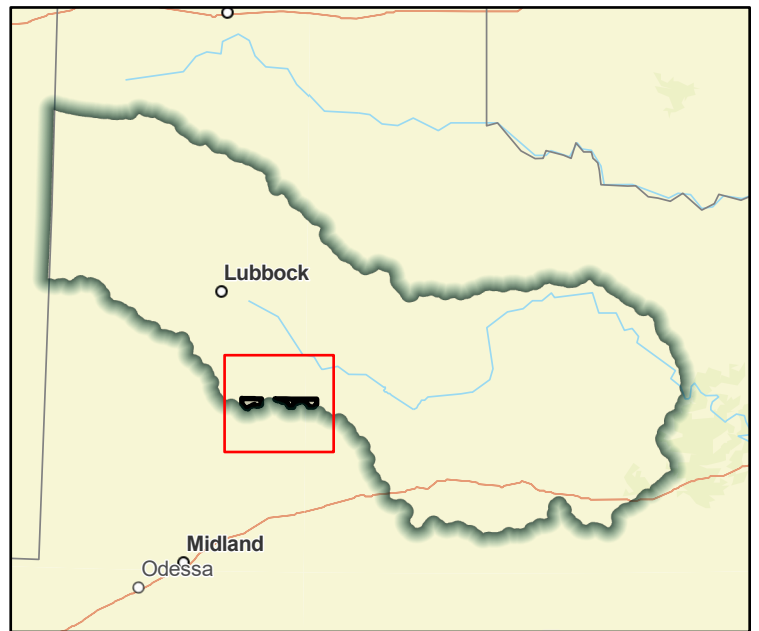
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Borden County Initial FEMA Mapping**

ID# **071000003**

Sponsor (name of entity, not person) **Borden (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Create FEMA Mapping in previously unmapped areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Borden** Watershed HUC# (if known) **120500040306, 120500040308, 120500040406, 120500040501,**

Drainage area (Square miles, est.) **55** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **1** # of structures **10** Critical facilities **0**

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

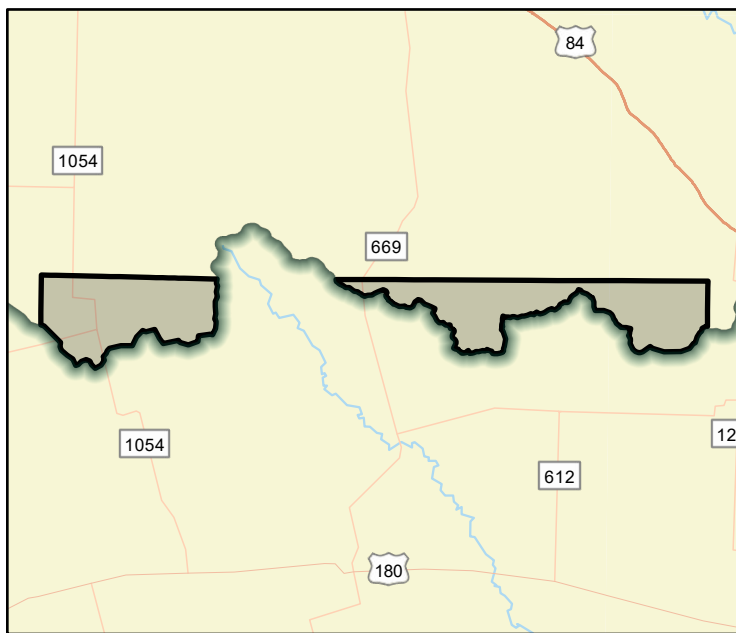
Farm/Ranch land impacted (acres) **1,592** Roadway(s) impacted (length) **5**

Number of low water crossings **0** Historical road closures **0**

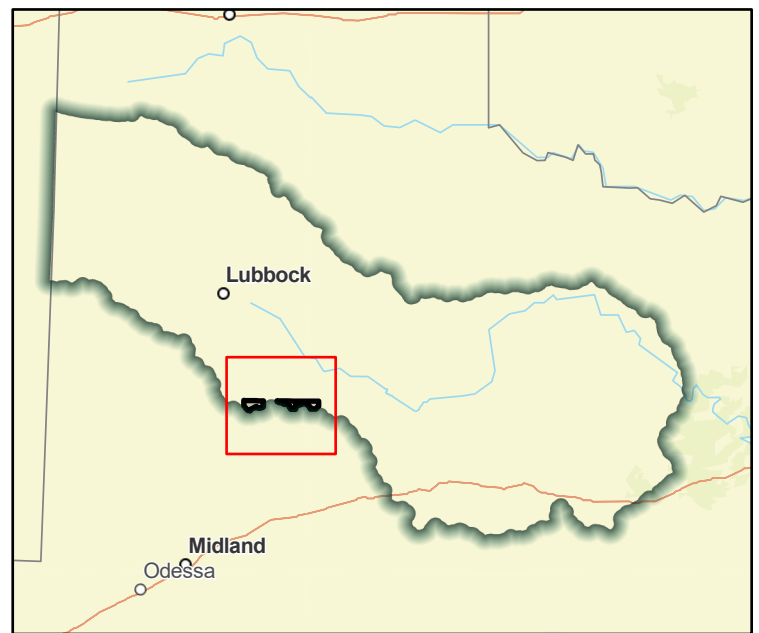
## Estimated Cost and Funding Availability

Total Cost **\$882,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Callahan County Buyout Program**

ID# **071000124**

Sponsor (name of entity, not person) **Callahan (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Develop a land acquisition program in flood hazard areas.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Callahan** Watershed HUC# (if known) **120601020707, 120601020709, 120601020710, 120601020801,**

Drainage area (Square miles, est.) **433** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **86** # of structures **81** Critical facilities **0**

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

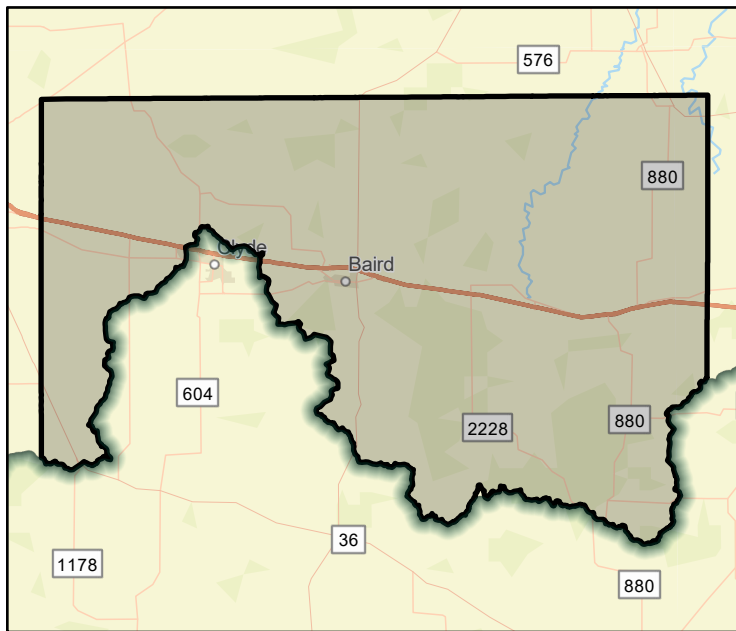
Farm/Ranch land impacted (acres) **3,074** Roadway(s) impacted (length) **56**

Number of low water crossings **12** Historical road closures **0**

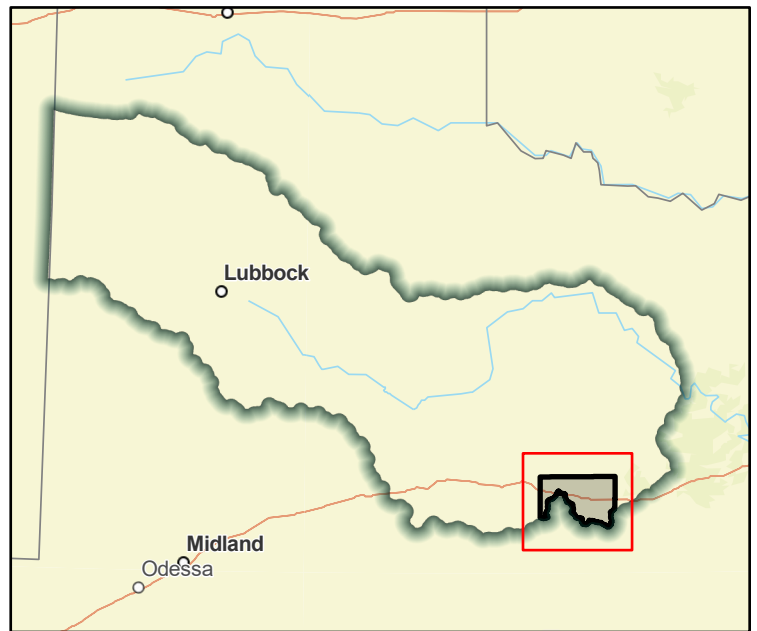
## Estimated Cost and Funding Availability

Total Cost **\$2,000,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Callahan County DCM  
 ID# 071000125  
 Sponsor (name of entity, not person) Callahan (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

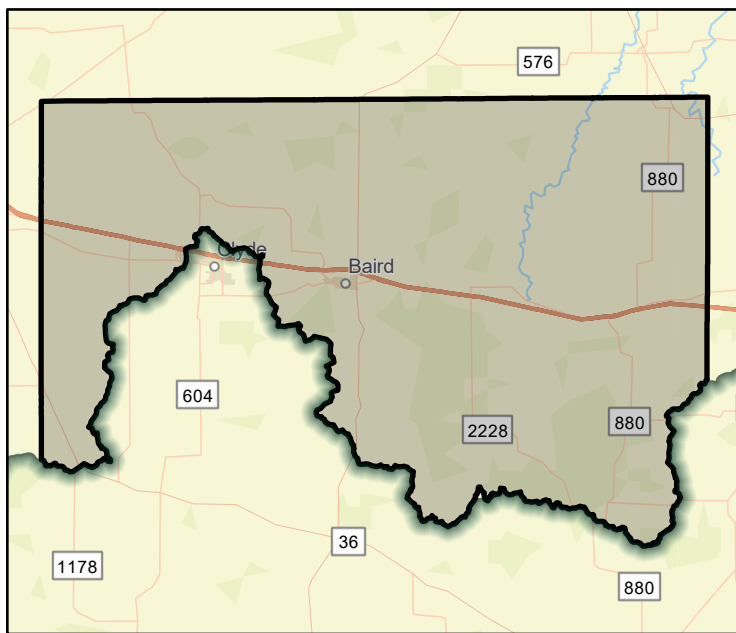
Study type Other  
 Study description Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.  
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No  
 County Callahan Watershed HUC# (if known) 120601020707, 120601020709, 120601020710, 120601020801,  
 Drainage area (Square miles, est.) 433 Goal(s) 07000083, 07000084, 07000085

## 100-Year Flood Risk Summary

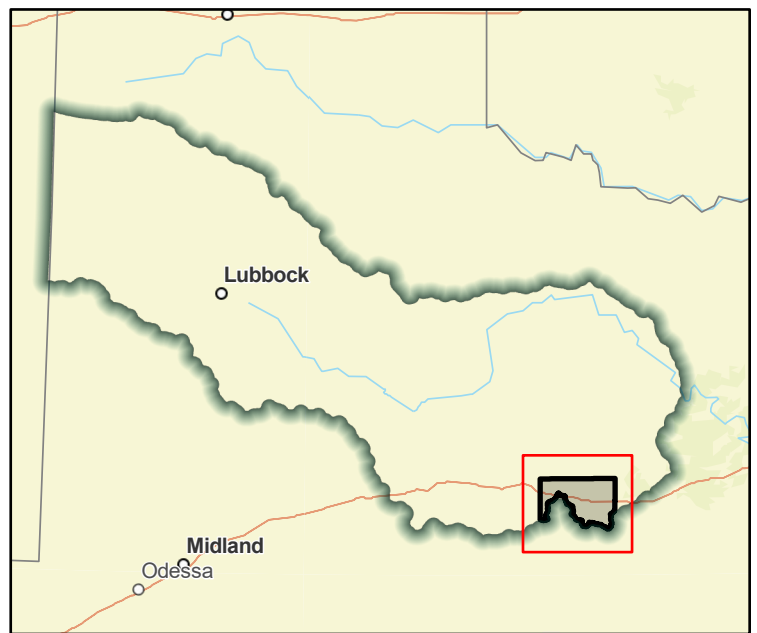
Population at risk 86 # of structures 81 Critical facilities 0  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 3,074 Roadway(s) impacted (length) 56  
 Number of low water crossings 12 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Callahan County DMP**

ID# **071000032**

Sponsor (name of entity, not person) **Callahan (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Callahan** Watershed HUC# (if known) **120601020707, 120601020709, 120601020710, 120601020801,**

Drainage area (Square miles, est.) **433** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **86** # of structures **81** Critical facilities **0**

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

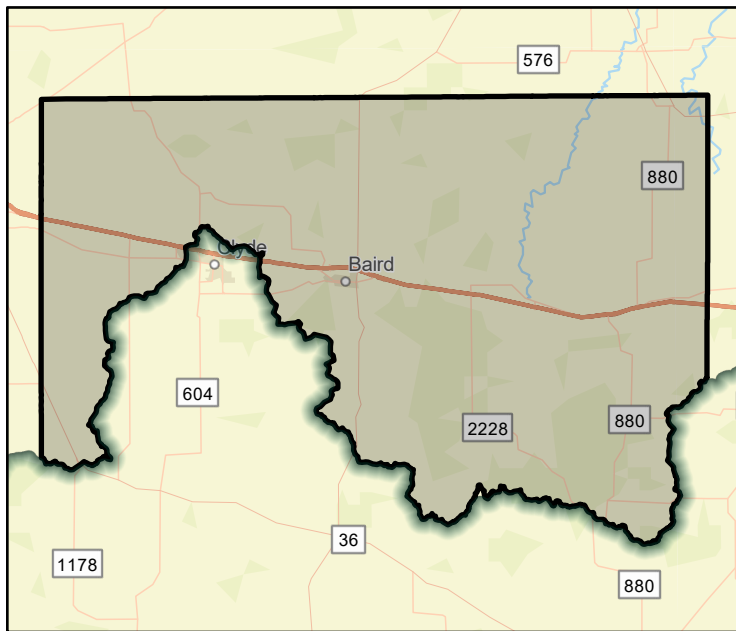
Farm/Ranch land impacted (acres) **3,074** Roadway(s) impacted (length) **56**

Number of low water crossings **12** Historical road closures **0**

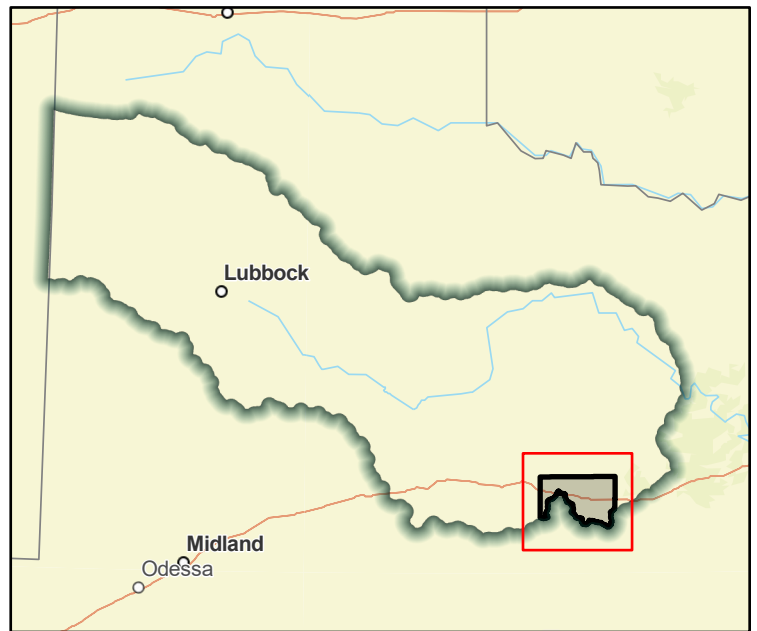
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Callahan County GIS Development  
 ID# 071000088  
 Sponsor (name of entity, not person) Callahan (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

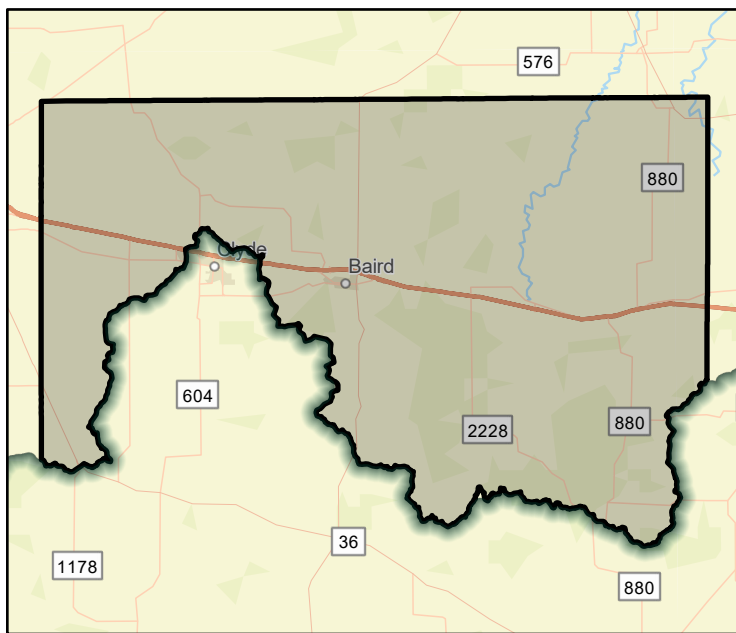
Study type Other  
 Study description Develop a GIS inventory of stormwater infrastructure  
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No  
 County Callahan Watershed HUC# (if known) 120601020707, 120601020709, 120601020710, 120601020801,  
 Drainage area (Square miles, est.) 433 Goal(s) 07000011, 07000012

## 100-Year Flood Risk Summary

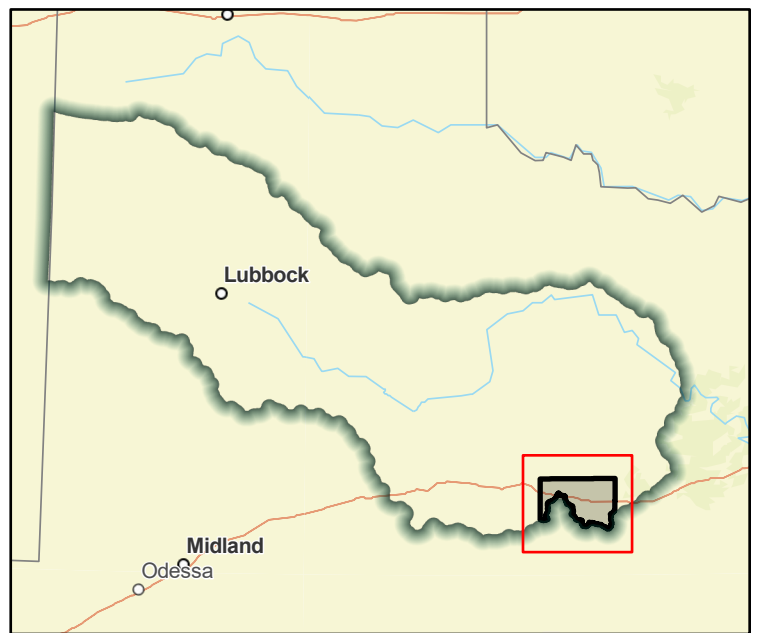
Population at risk 86 # of structures 81 Critical facilities 0  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 3,074 Roadway(s) impacted (length) 56  
 Number of low water crossings 12 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Callahan County Initial FEMA Mapping**

ID# **071000004**

Sponsor (name of entity, not person) **Callahan (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Create FEMA Mapping in previously unmapped areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Callahan** Watershed HUC# (if known) **120601020707, 120601020709, 120601020710, 120601020801,**

Drainage area (Square miles, est.) **433** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **86** # of structures **81** Critical facilities **0**

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

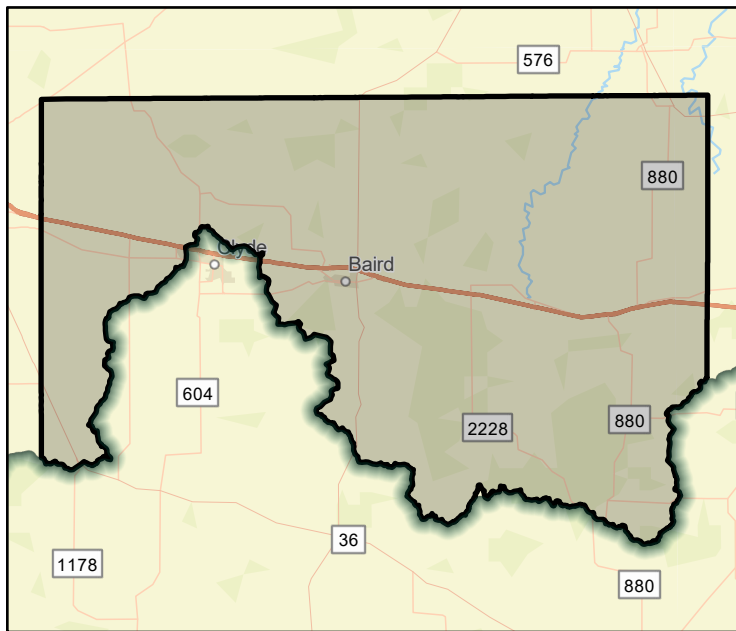
Farm/Ranch land impacted (acres) **3,074** Roadway(s) impacted (length) **56**

Number of low water crossings **12** Historical road closures **0**

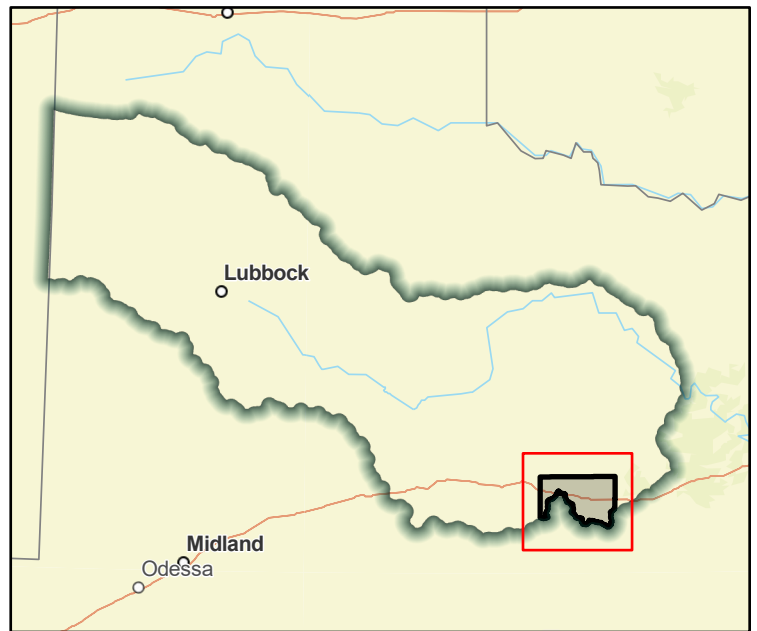
## Estimated Cost and Funding Availability

Total Cost **\$895,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Canal Street Study**

ID# **071000117**

Sponsor (name of entity, not person) **Knox City (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **H&H Study to review drainage problems on Canal Street, Knox City to determine mitigation efforts to reduce flooding.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Knox** Watershed HUC# (if known) **120601010402**

Drainage area (Square miles, est.) **1** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **133** # of structures **119** Critical facilities **0**

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

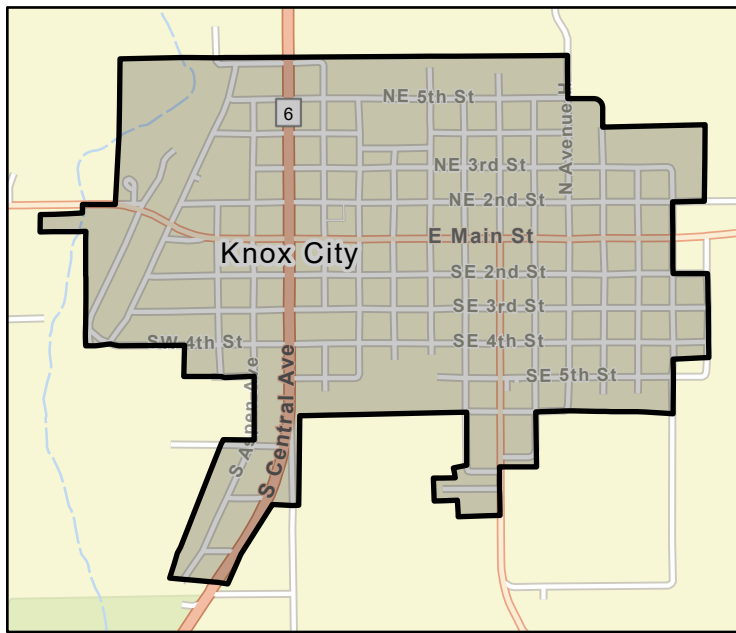
Farm/Ranch land impacted (acres) **7** Roadway(s) impacted (length) **8**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$260,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Castro County DCM**

ID# **071000126**

Sponsor (name of entity, not person) **Castro (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Castro** Watershed HUC# (if known) **111201010406, 111201010407, 111201010505, 111201040101,**

Drainage area (Square miles, est.) **451** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **82** # of structures **51** Critical facilities **0**

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

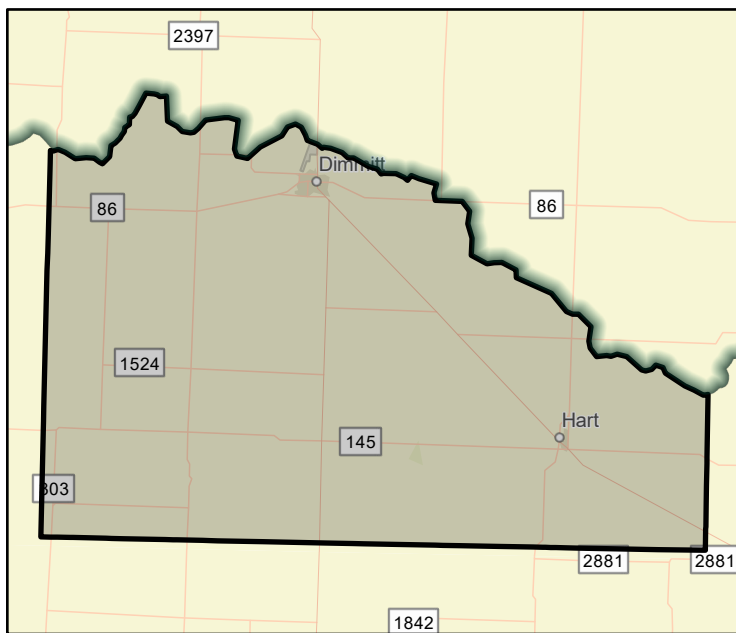
Farm/Ranch land impacted (acres) **23,504** Roadway(s) impacted (length) **281**

Number of low water crossings **6** Historical road closures **0**

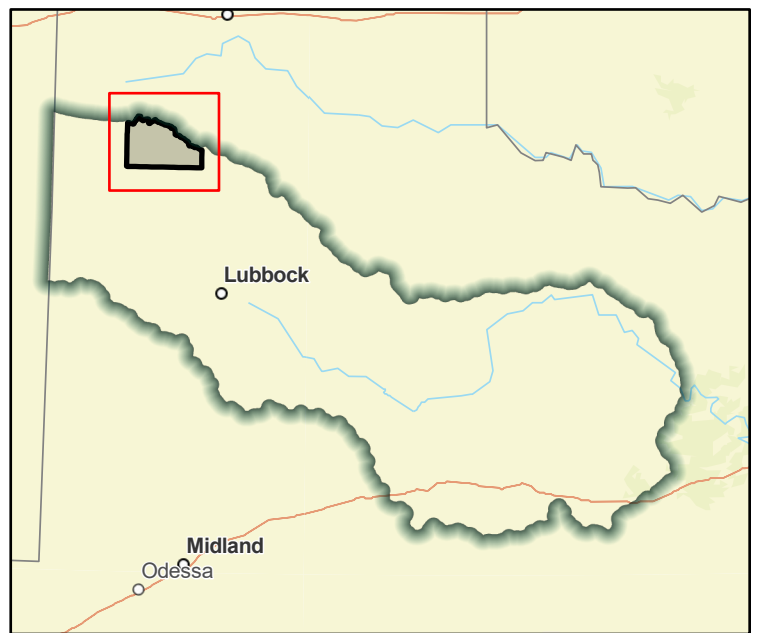
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Castro County DMP**

ID# **071000033**

Sponsor (name of entity, not person) **Castro (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Castro** Watershed HUC# (if known) **111201010406, 111201010407, 111201010505, 111201040101,**

Drainage area (Square miles, est.) **451** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **82** # of structures **51** Critical facilities **0**

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

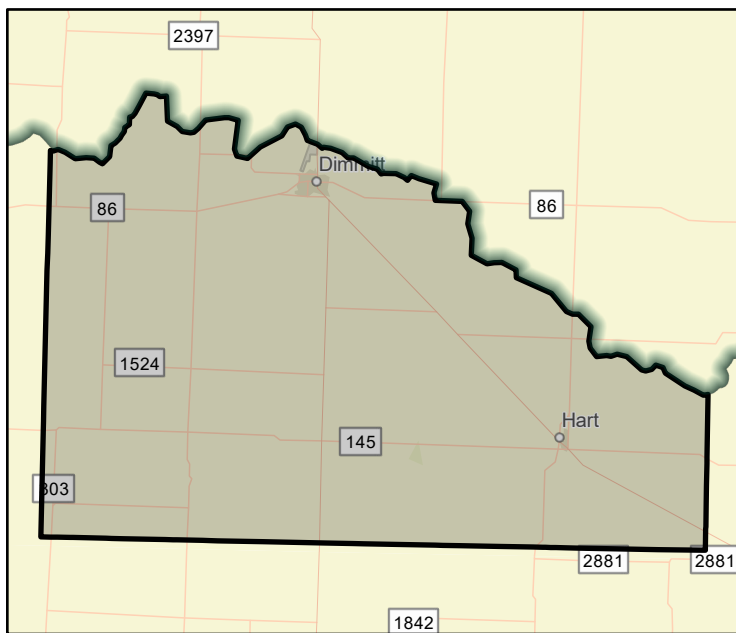
Farm/Ranch land impacted (acres) **23,504** Roadway(s) impacted (length) **281**

Number of low water crossings **6** Historical road closures **0**

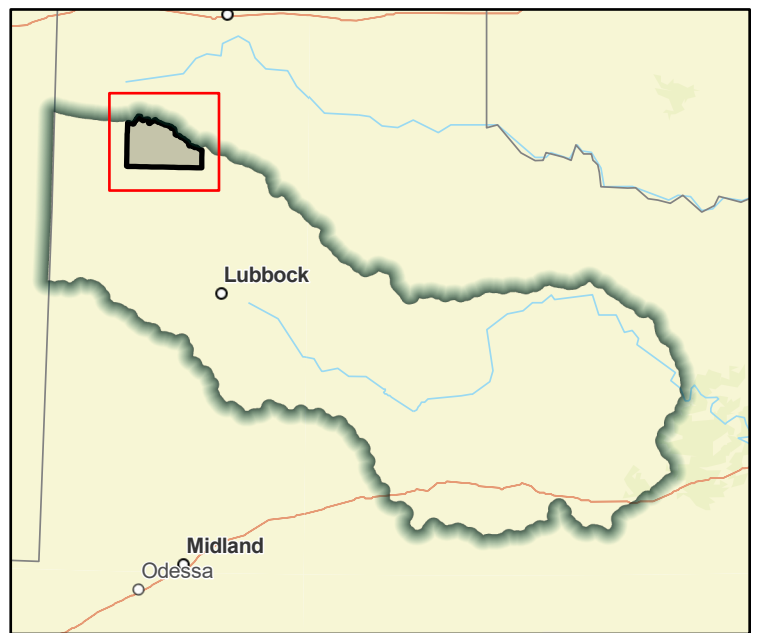
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Castro County GIS Development**

ID# **071000089**

Sponsor (name of entity, not person) **Castro (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Castro** Watershed HUC# (if known) **111201010406, 111201010407, 111201010505, 111201040101,**

Drainage area (Square miles, est.) **451** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **82** # of structures **51** Critical facilities **0**

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

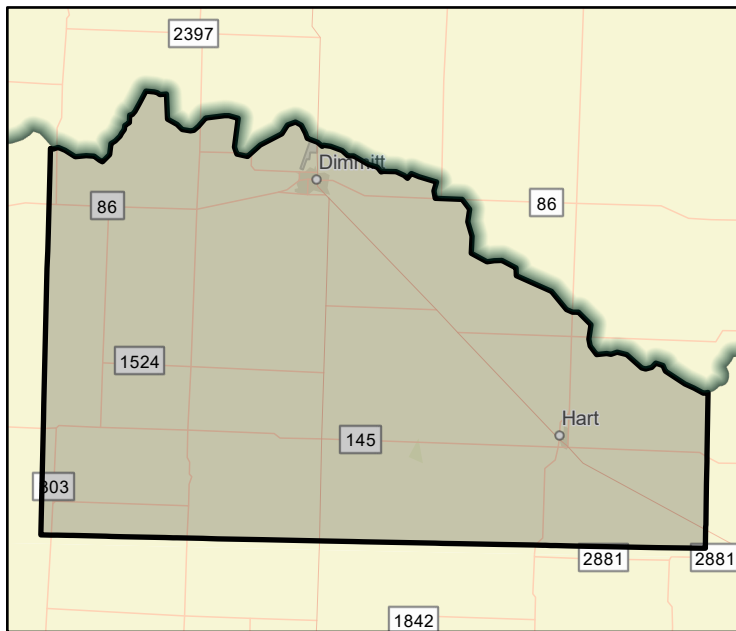
Farm/Ranch land impacted (acres) **23,504** Roadway(s) impacted (length) **281**

Number of low water crossings **6** Historical road closures **0**

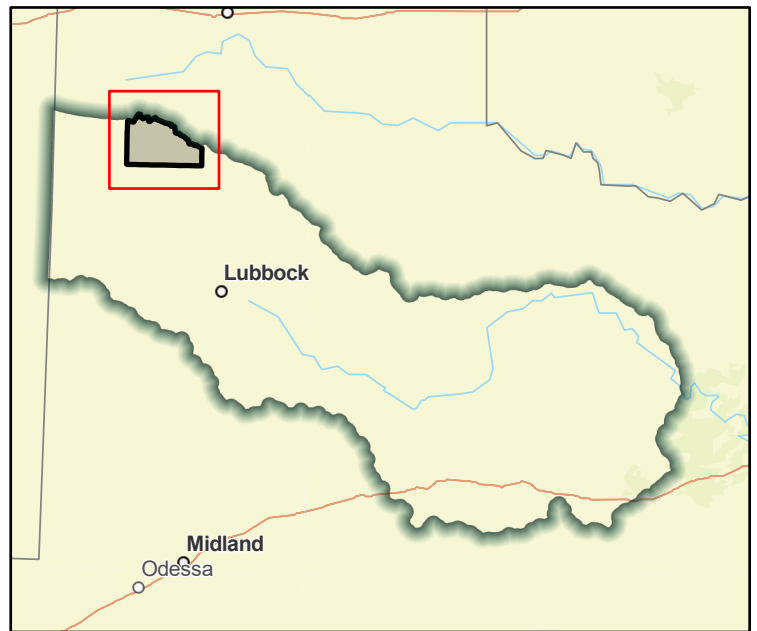
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Castro County Update FEMA Mapping**

ID# **071000017**

Sponsor (name of entity, not person) **Castro (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Update existing FEMA mapping**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Castro** Watershed HUC# (if known) **111201010406, 111201010407, 111201010505, 111201040101,**

Drainage area (Square miles, est.) **451** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **82** # of structures **51** Critical facilities **0**

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

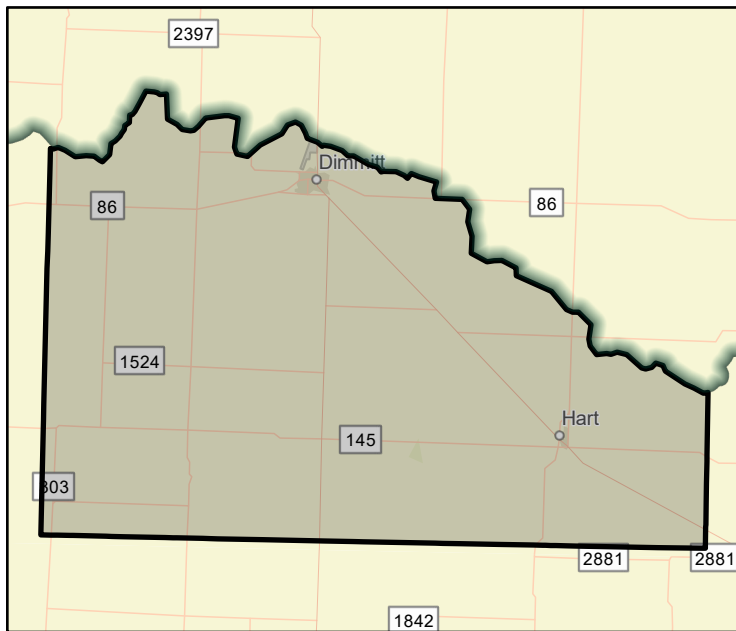
Farm/Ranch land impacted (acres) **23,504** Roadway(s) impacted (length) **281**

Number of low water crossings **6** Historical road closures **0**

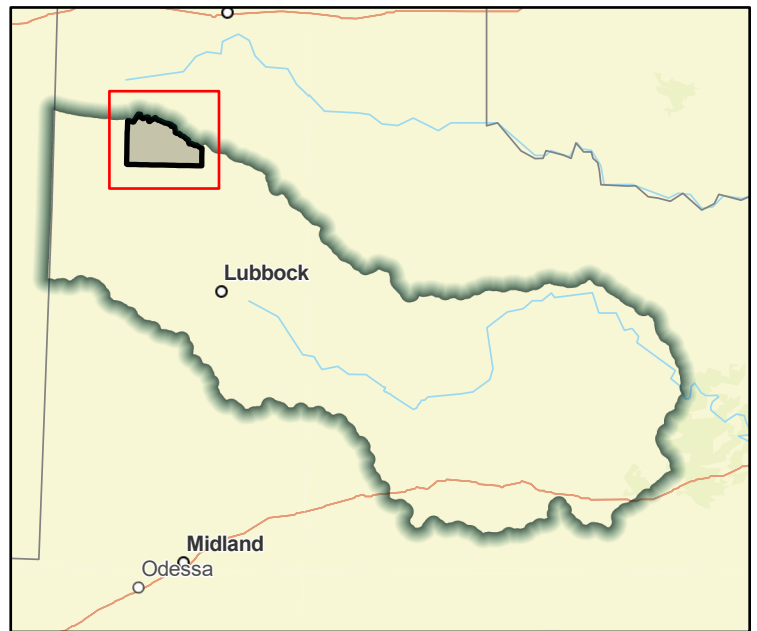
## Estimated Cost and Funding Availability

Total Cost **\$870,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **City of Abilene Buttonwillow Creek Crossing**

ID# **071300004**

Sponsor (name of entity, not person) **Abilene (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Replacement of low water crossing**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Taylor** Watershed HUC# (if known) **120601020708**

Drainage area (Square miles, est.) **0** Goal(s) **07000021, 07000022**

## 100-Year Flood Risk Summary

Population at risk **55** # of structures **26** Critical facilities **0**

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

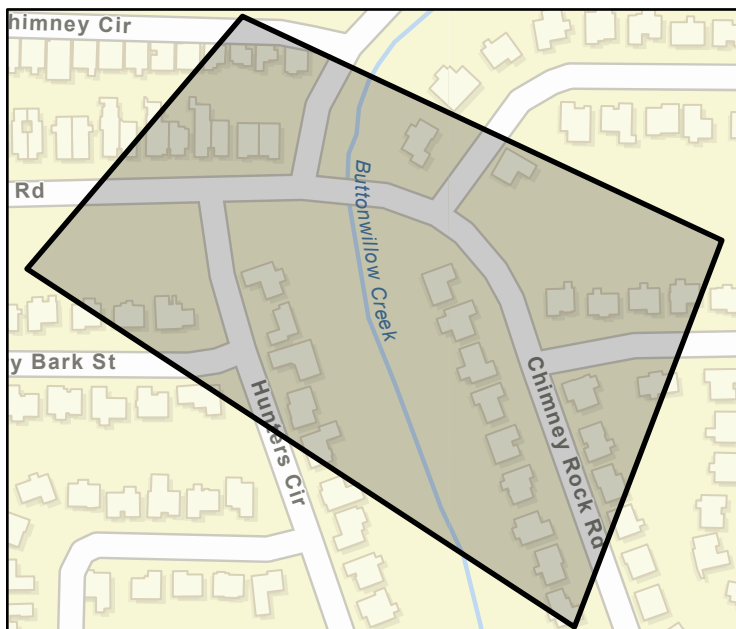
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **1** Historical road closures **0**

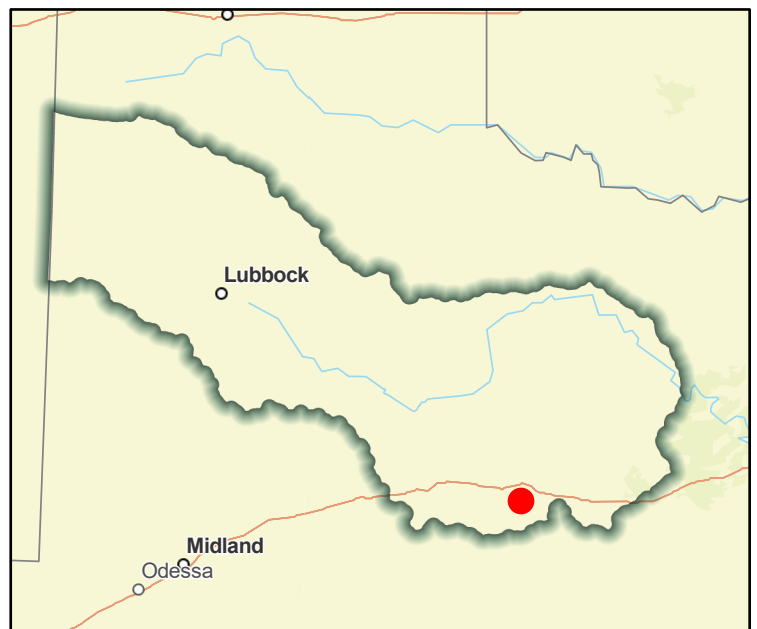
## Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Abilene Buttonwillow Upstream Detention**

ID# **071300007**

Sponsor (name of entity, not person) **Abilene (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Regional detention pond**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Taylor** Watershed HUC# (if known) **120601020708**

Drainage area (Square miles, est.) **0** Goal(s) **07000021, 07000022, 07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

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

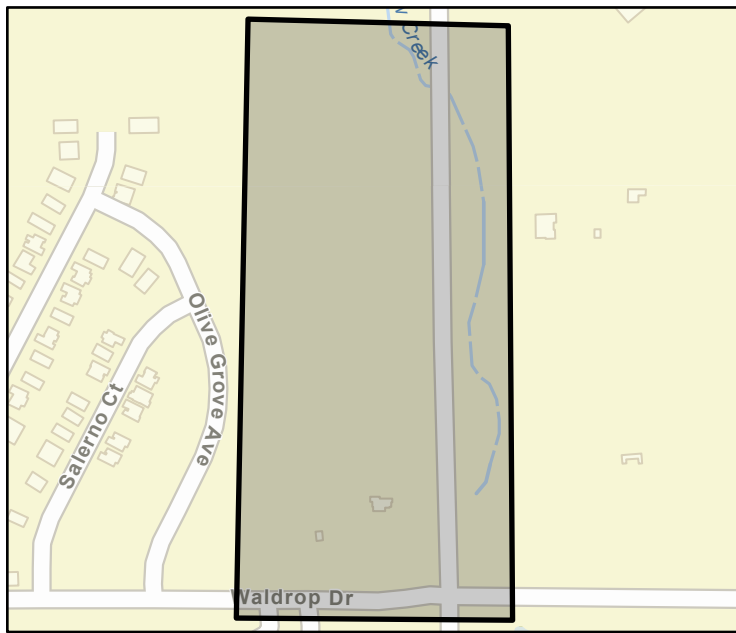
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **2** Historical road closures **0**

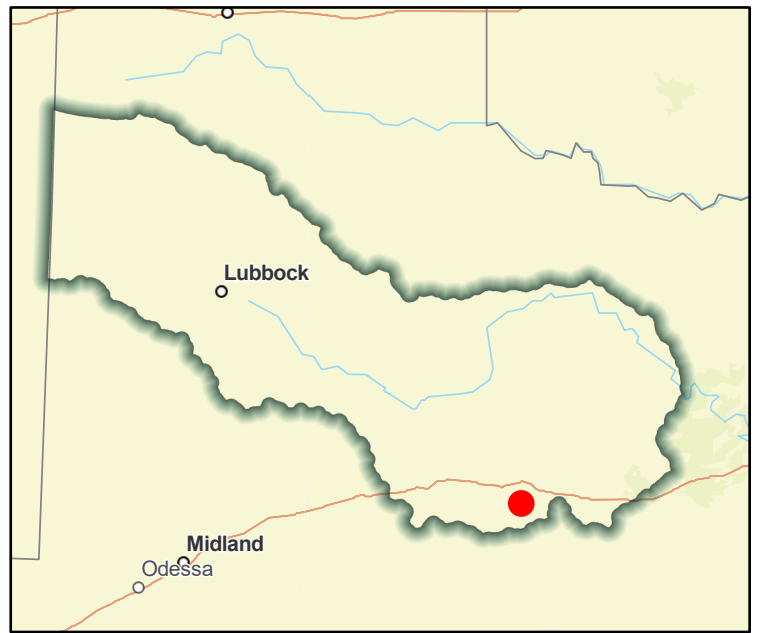
## Estimated Cost and Funding Availability

Total Cost **\$350,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Abilene Catclaw Creek From S. 11th Street to S. 7th Street**

ID# **071300002**

Sponsor (name of entity, not person) **Abilene (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Enhance storage capacity of creek channel, raise Sammons Street and regional detention improvements**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Taylor** Watershed HUC# (if known) **120601020711**

Drainage area (Square miles, est.) **0** Goal(s) **07000021, 07000022, 07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **321** # of structures **194** Critical facilities **1**

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

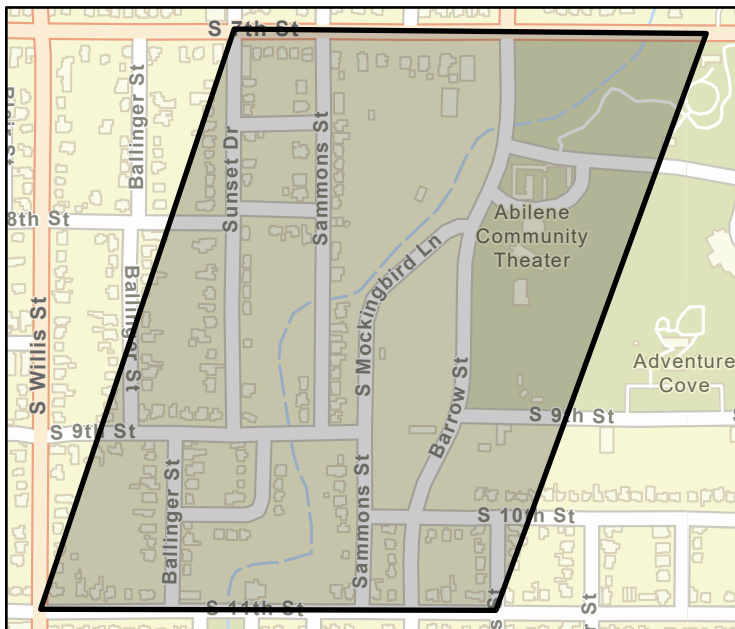
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **3**

Number of low water crossings **4** Historical road closures **0**

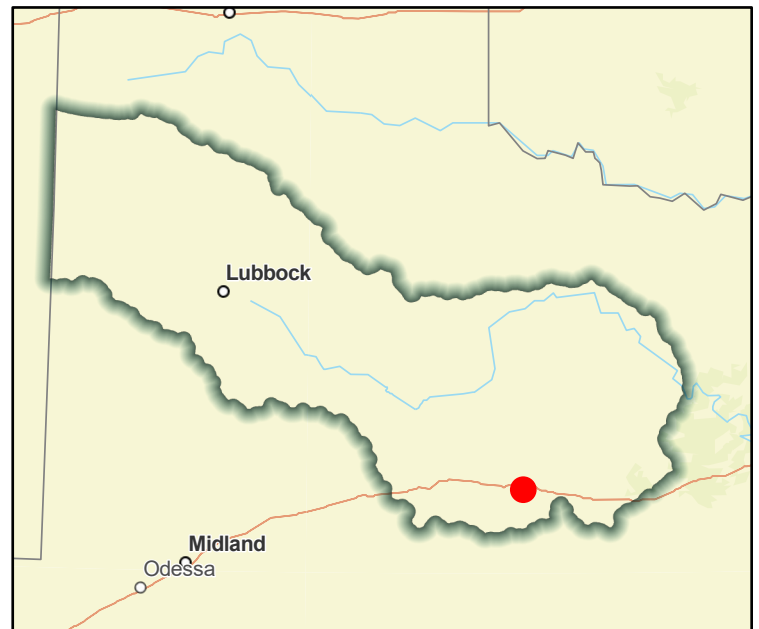
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Abilene Elm Creek Detention below Southwest Drive**

ID# **071000208**

Sponsor (name of entity, not person) **Abilene (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Proposed detention pond**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Taylor** Watershed HUC# (if known) **120601020711**

Drainage area (Square miles, est.) **1** Goal(s) **07000021, 07000022, 07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **655** # of structures **175** Critical facilities **0**

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

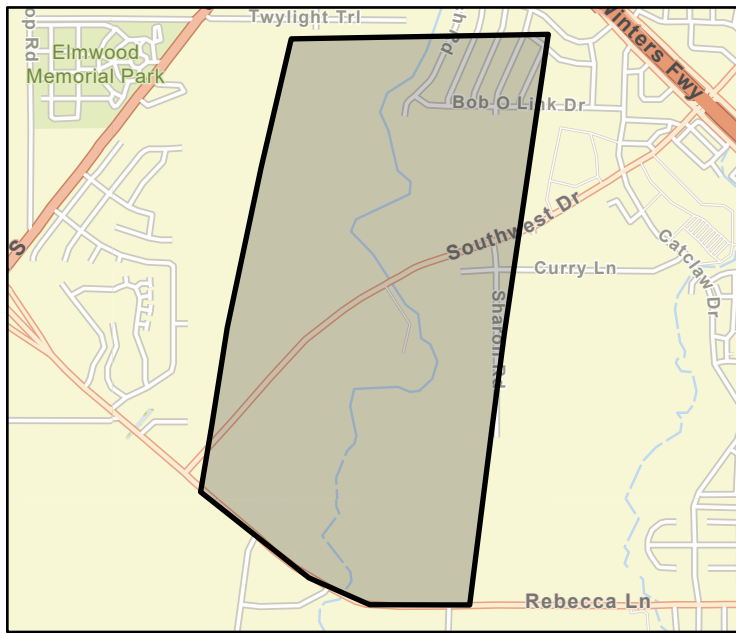
Farm/Ranch land impacted (acres) **207** Roadway(s) impacted (length) **3**

Number of low water crossings **0** Historical road closures **0**

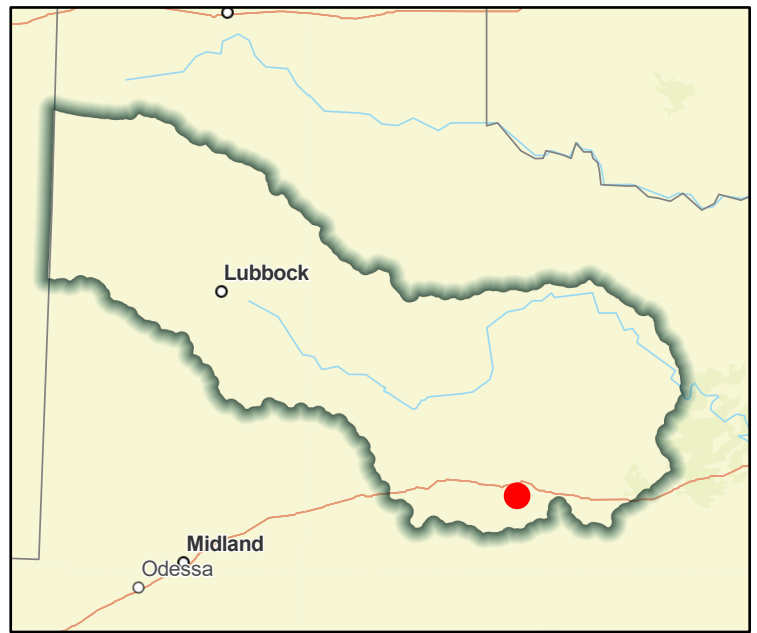
## Estimated Cost and Funding Availability

Total Cost **\$700,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **City of Abilene Elm Creek Diversion**

ID# **071300001**

Sponsor (name of entity, not person) **Abilene (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Upstream detention / bypass on Elm Creek**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Taylor** Watershed HUC# (if known) **120601020705, 120601020711**

Drainage area (Square miles, est.) **0** Goal(s) **07000021, 07000022, 07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **1** Critical facilities **0**

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

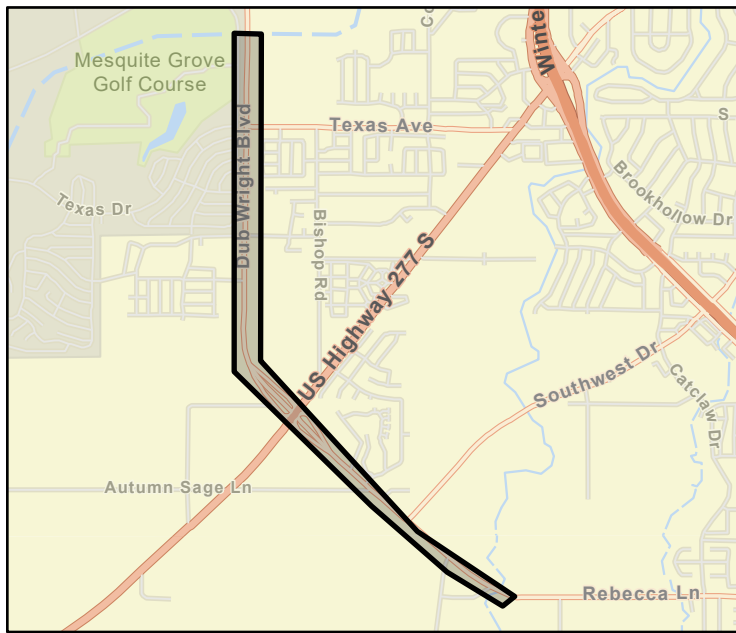
Farm/Ranch land impacted (acres) **5** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$800,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Abilene Higher Standards Program**

ID# **071000127**

Sponsor (name of entity, not person) **Abilene (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative”**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Taylor** Watershed HUC# (if known) **120601020704, 120601020705, 120601020706, 120601020707,**

Drainage area (Square miles, est.) **112** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **25,333** # of structures **10,861** Critical facilities **10**

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

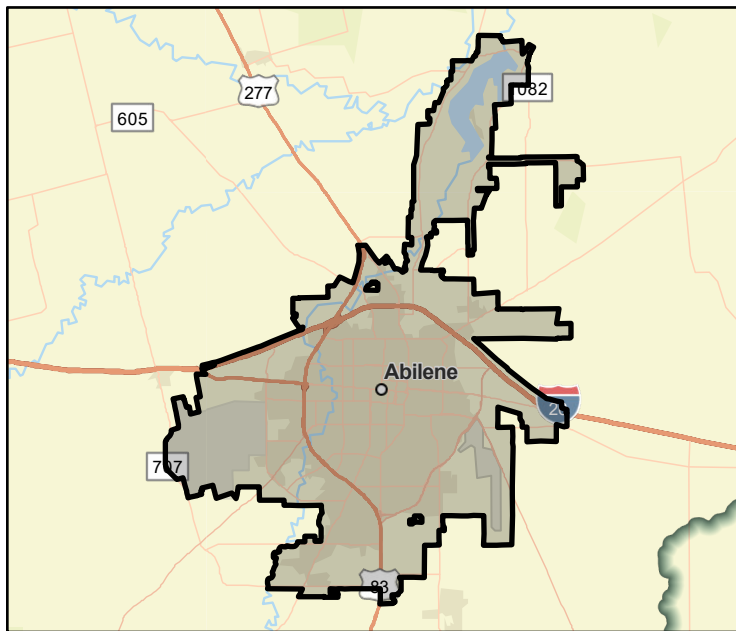
Farm/Ranch land impacted (acres) **1,235** Roadway(s) impacted (length) **218**

Number of low water crossings **58** Historical road closures **0**

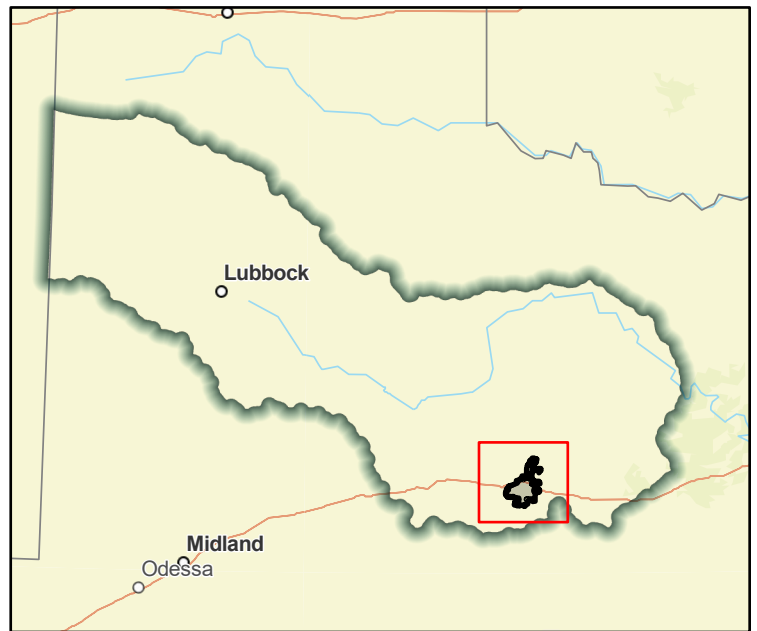
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Abilene Improve Curry Lane Detention Pond**

ID# **071300008**

Sponsor (name of entity, not person) **Abilene (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Installation of drainage flumes and curb and gutter along Curry Lane, construction of bypass pipe from Catclaw Creek, deepening of existing detention pond and extension of storm drain in Curry Lane**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Taylor** Watershed HUC# (if known) **120601020711**

Drainage area (Square miles, est.) **1** Goal(s) **07000021, 07000022, 07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **868** # of structures **67** Critical facilities **0**

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

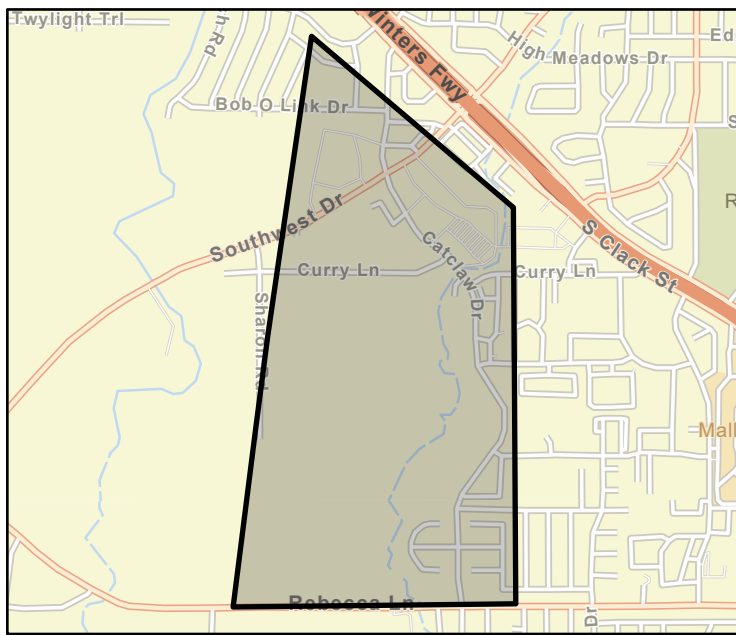
Farm/Ranch land impacted (acres) **142** Roadway(s) impacted (length) **2**

Number of low water crossings **0** Historical road closures **0**

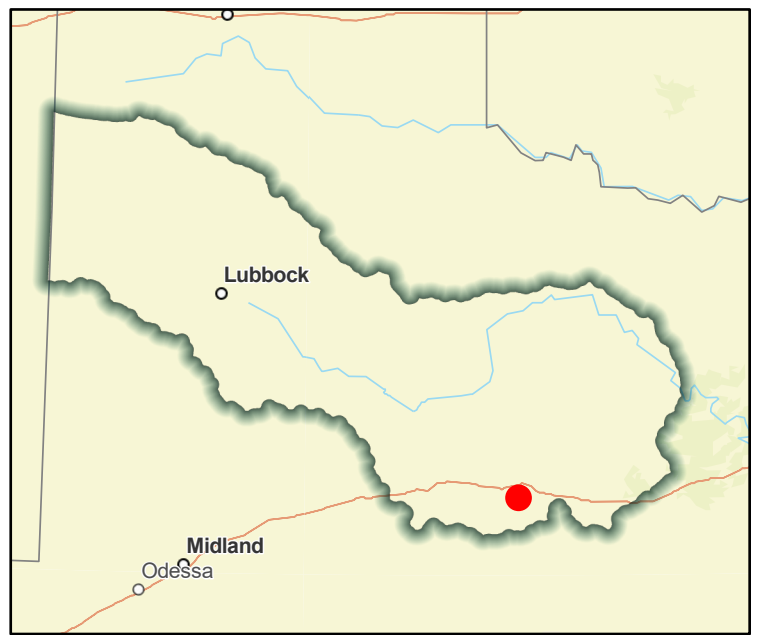
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Abilene Little Elm Creek at S. 7th Street**

ID# **071300003**

Sponsor (name of entity, not person) **Abilene (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Channel improvements, enlargement of culvert under South 7th and overflow detention**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Taylor** Watershed HUC# (if known) **120601020705**

Drainage area (Square miles, est.) **0** Goal(s) **07000021, 07000022, 07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **74** # of structures **15** Critical facilities **0**

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

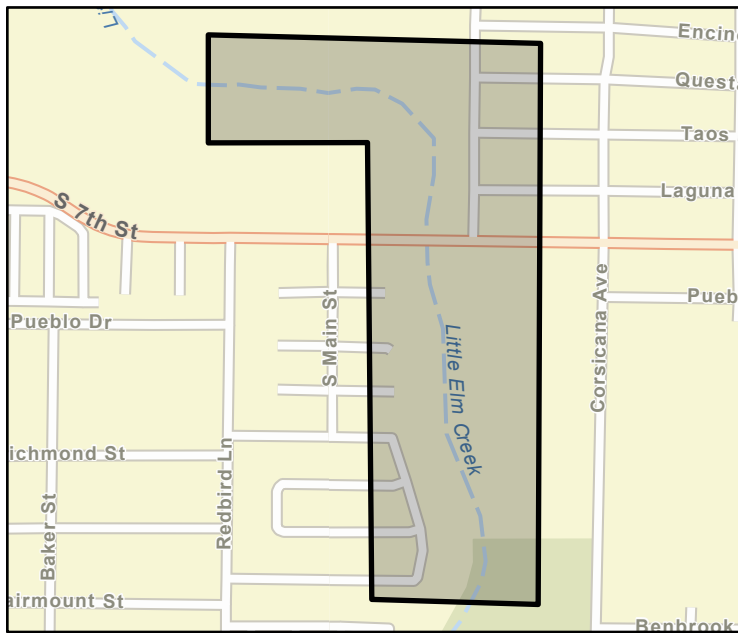
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **1**

Number of low water crossings **1** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$550,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**





# Flood Management Evaluation (FME)



Title **City of Abilene Operations of Lake Abilene**

ID# **071000207**

Sponsor (name of entity, not person) **Abilene (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Increase available flood storage in the reservoir**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Taylor** Watershed HUC# (if known) **120601020703**

Drainage area (Square miles, est.) **6** Goal(s) **07000021, 07000022, 07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **6** # of structures **3** Critical facilities **0**

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

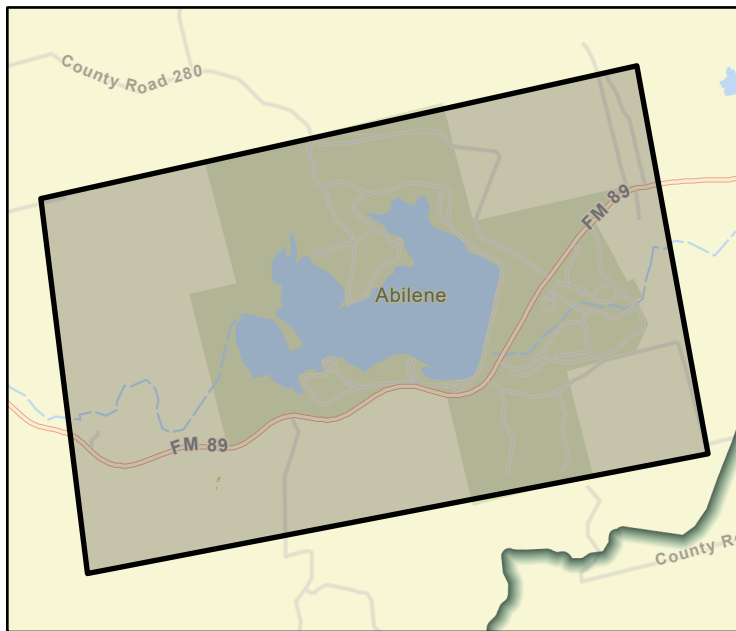
Farm/Ranch land impacted (acres) **11** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

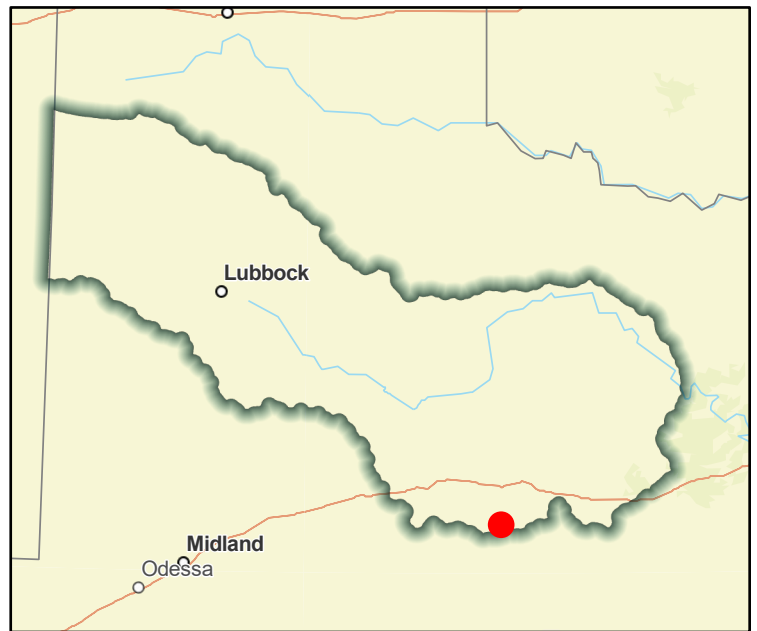
## Estimated Cost and Funding Availability

Total Cost **\$200,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend?  Reason for Recommendation

## Study Details

Study type

Study description

New Hydrologic or Hydraulic model?  Emergency Need?  Existing/Anticipated models in near term?

County  Watershed HUC# (if known)

Drainage area (Square miles, est.)  Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  Critical facilities

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

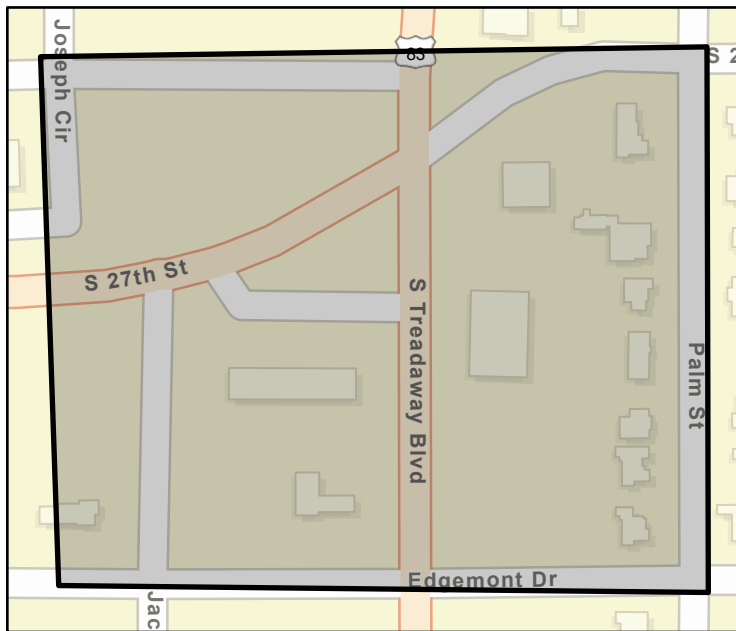
Farm/Ranch land impacted (acres)  Roadway(s) impacted (length)

Number of low water crossings  Historical road closures

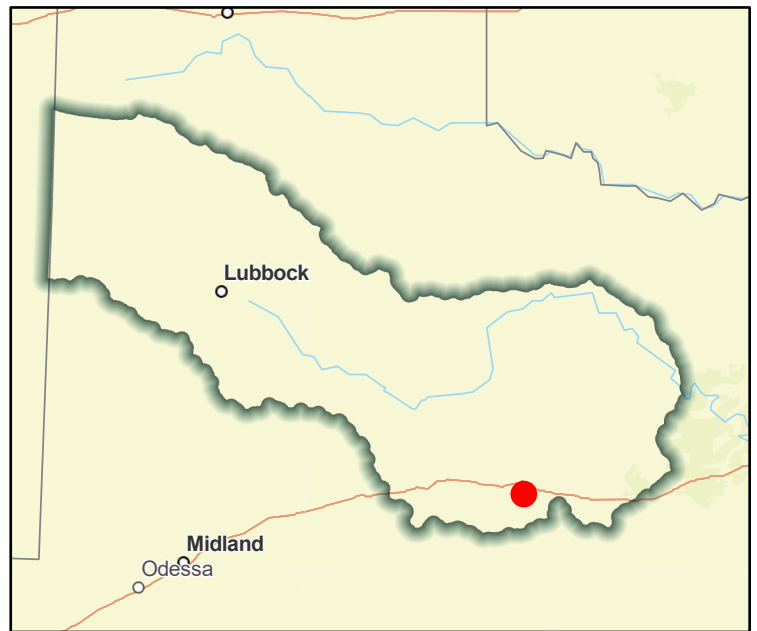
## Estimated Cost and Funding Availability

Total Cost  Amount of Available Funding  Federal funding availability

Funding source



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Abilene Update FEMA Mapping**

ID# **071000018**

Sponsor (name of entity, not person) **Abilene (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Update City of Abilene models to modern software, update FEMA maps**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Taylor** Watershed HUC# (if known) **120601020704, 120601020705, 120601020706, 120601020707,**

Drainage area (Square miles, est.) **112** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **25,333** # of structures **10,861** Critical facilities **10**

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

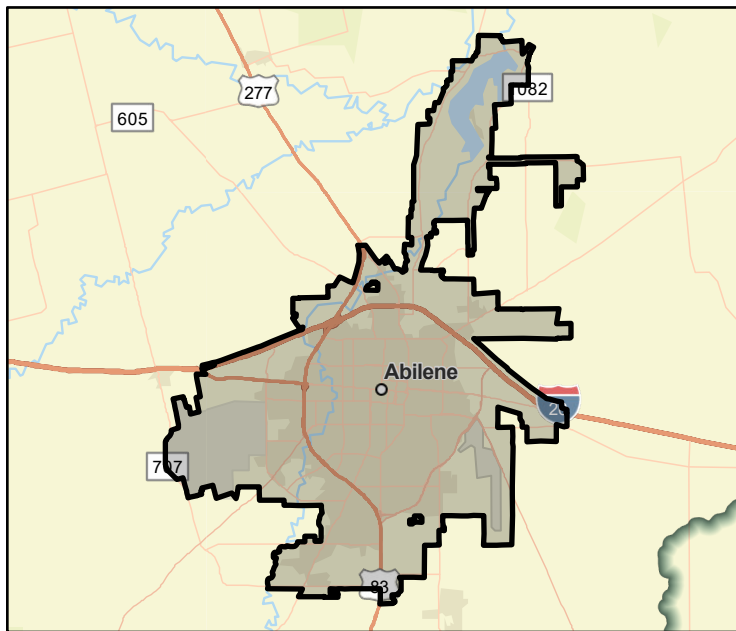
Farm/Ranch land impacted (acres) **1,235** Roadway(s) impacted (length) **218**

Number of low water crossings **58** Historical road closures **0**

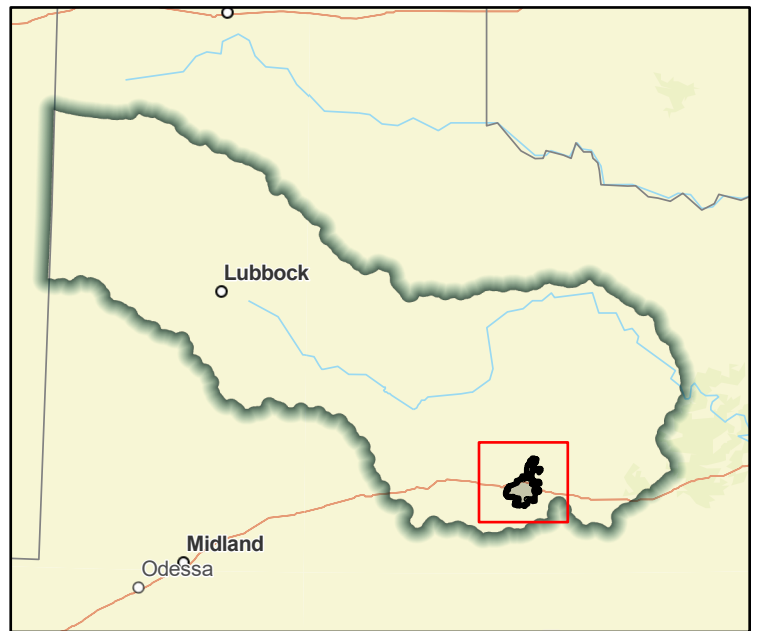
## Estimated Cost and Funding Availability

Total Cost **\$321,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Albany DMP**

ID# **071000034**

Sponsor (name of entity, not person) **Albany (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate city storm infrastructure and floodways for adequate capacity.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Shackelford** Watershed HUC# (if known) **120601050202, 120601050204**

Drainage area (Square miles, est.) **2** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **93** # of structures **158** Critical facilities **0**

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

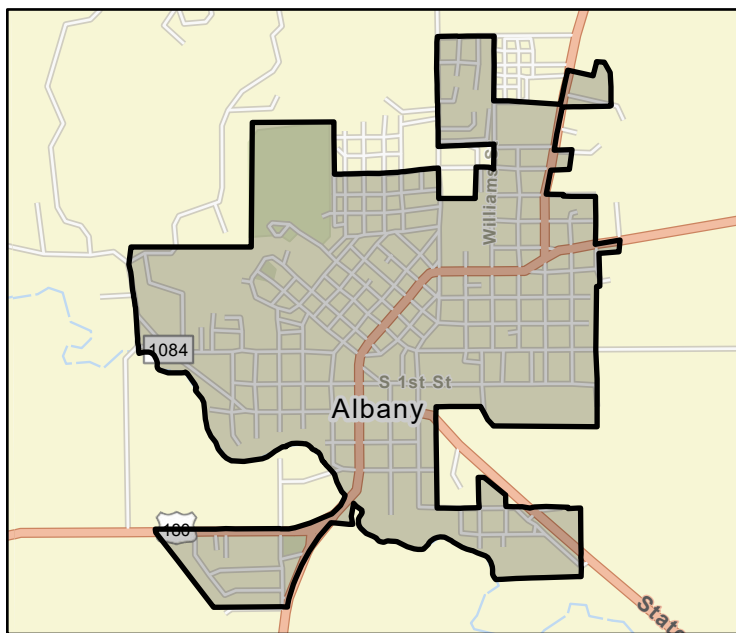
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **6**

Number of low water crossings **0** Historical road closures **0**

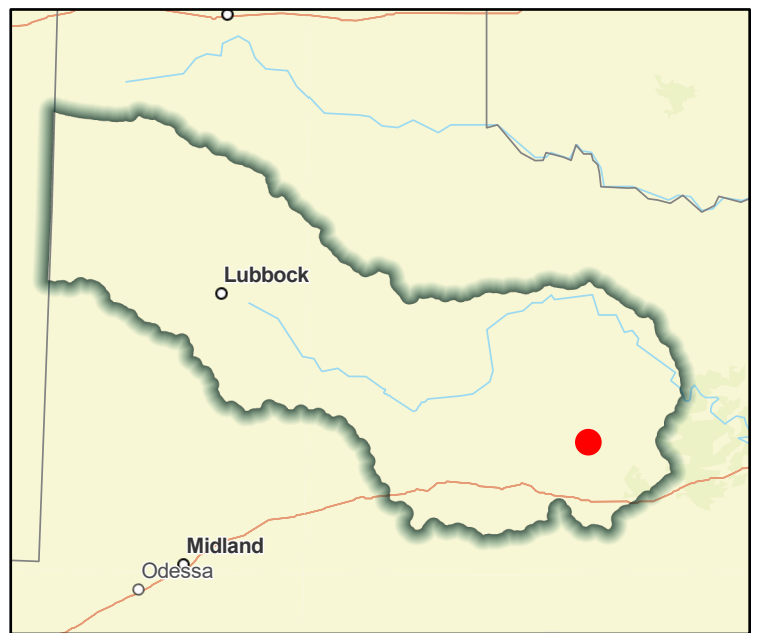
## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **City of Amherst DMP**

ID# **071000035**

Sponsor (name of entity, not person) **Amherst (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate City of Amherst for a Storm Water Master Plan.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lamb** Watershed HUC# (if known) **120500011103, 120500011104**

Drainage area (Square miles, est.) **1** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **6** # of structures **13** Critical facilities **0**

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

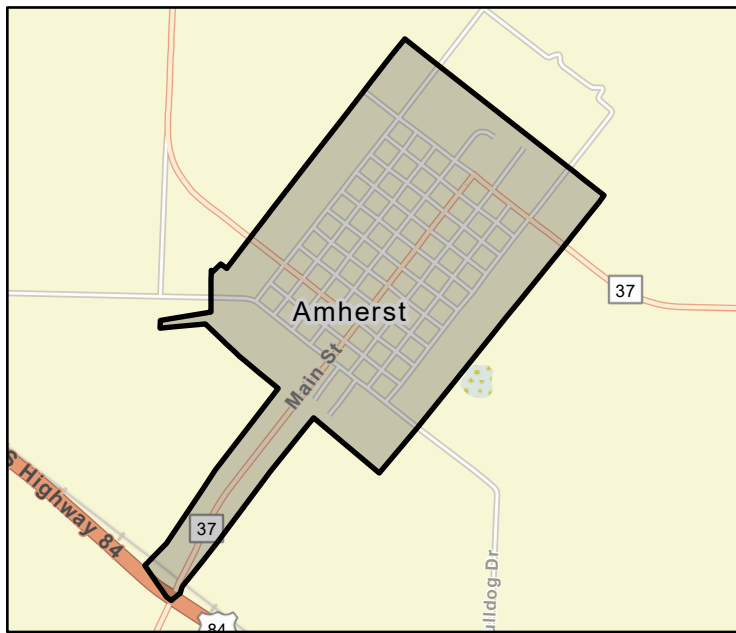
Farm/Ranch land impacted (acres) **14** Roadway(s) impacted (length) **3**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Anson DMP**

ID# **071000036**

Sponsor (name of entity, not person) **Anson (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Jones** Watershed HUC# (if known) **120601030301**

Drainage area (Square miles, est.) **3** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **349** # of structures **53** Critical facilities **0**

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

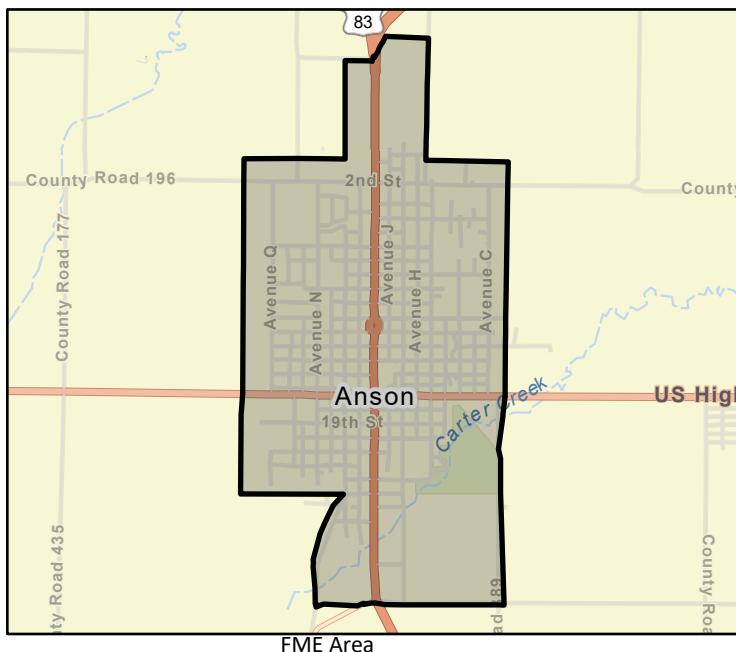
Farm/Ranch land impacted (acres) **12** Roadway(s) impacted (length) **3**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



# Flood Management Evaluation (FME)



Title **City of Baird Buyout Program**

ID# **071000128**

Sponsor (name of entity, not person) **Baird (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Develop a land acquisition program in flood hazard areas.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Callahan** Watershed HUC# (if known) **120601050102, 120601050302**

Drainage area (Square miles, est.) **3** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **39** # of structures **21** Critical facilities **0**

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

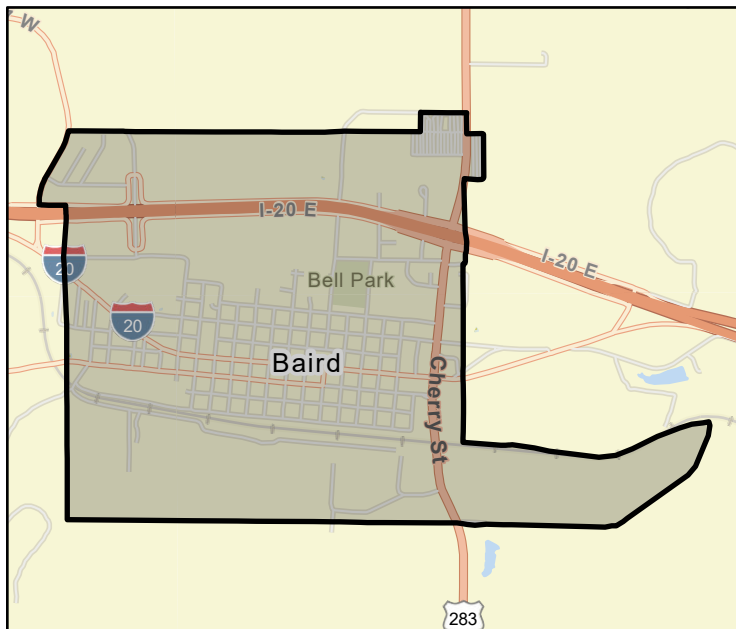
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **5**

Number of low water crossings **0** Historical road closures **0**

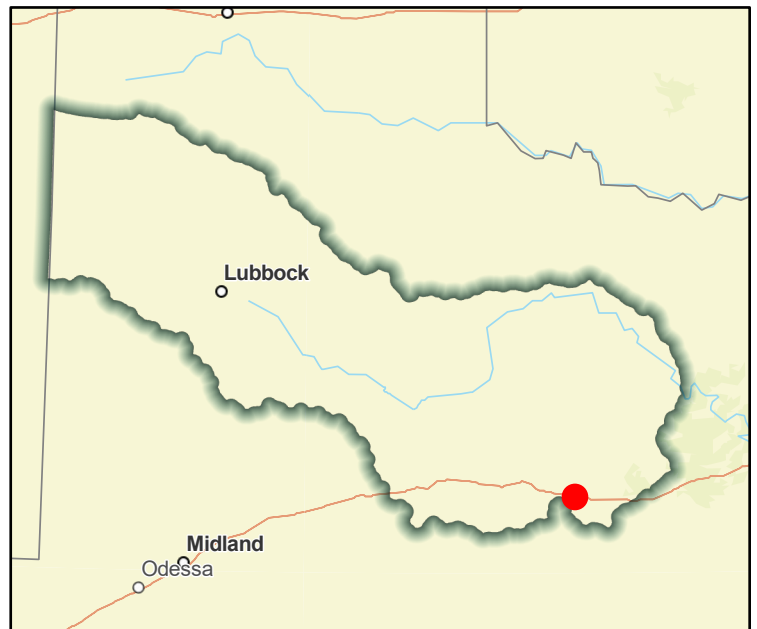
## Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Baird Higher Standards Program**

ID# **071000129**

Sponsor (name of entity, not person) **Baird (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative”**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Callahan** Watershed HUC# (if known) **120601050102, 120601050302**

Drainage area (Square miles, est.) **3** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **39** # of structures **21** Critical facilities **0**

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

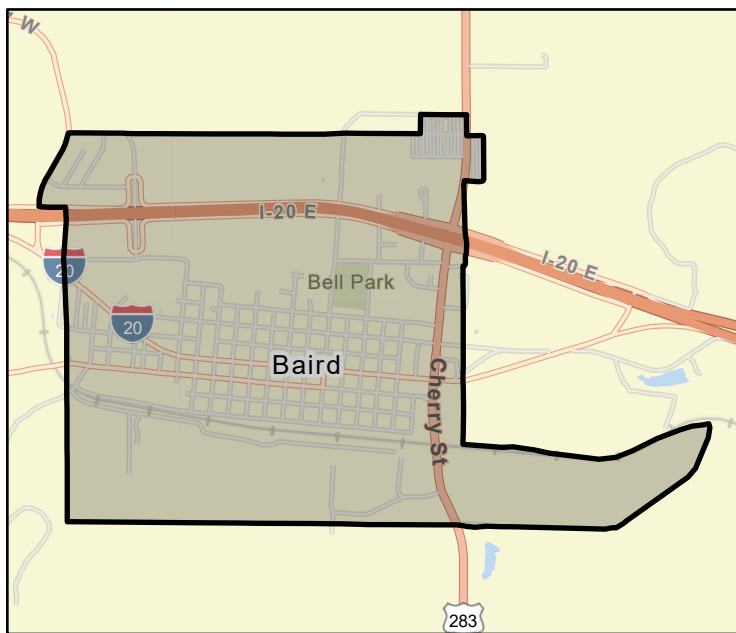
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **5**

Number of low water crossings **0** Historical road closures **0**

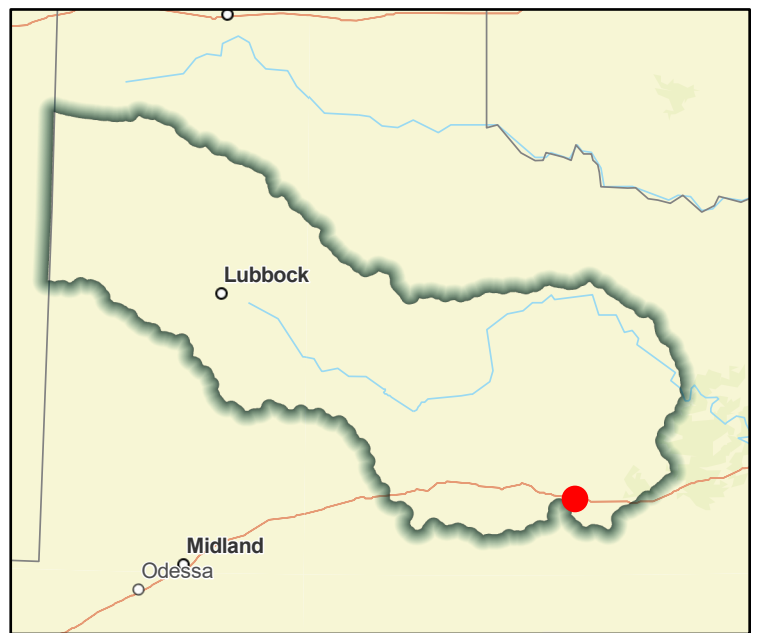
## Estimated Cost and Funding Availability

Total Cost **\$25,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **City of Breckenridge Buyout Program**

ID# **071000130**

Sponsor (name of entity, not person) **Breckenridge (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Acquire and demolish repetitive loss properties.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Stephens** Watershed HUC# (if known) **120601050503, 120601050504, 120601050603**

Drainage area (Square miles, est.) **4** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **562** # of structures **440** Critical facilities **1**

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

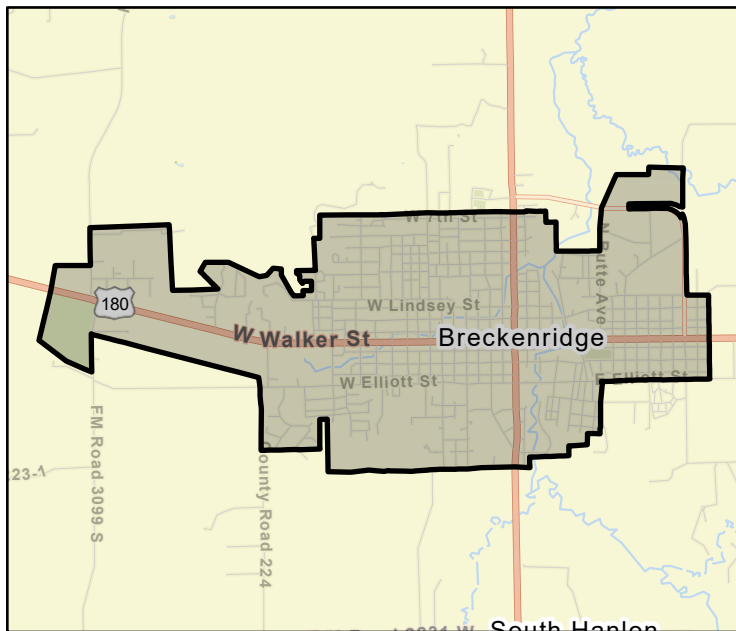
Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **14**

Number of low water crossings **0** Historical road closures **0**

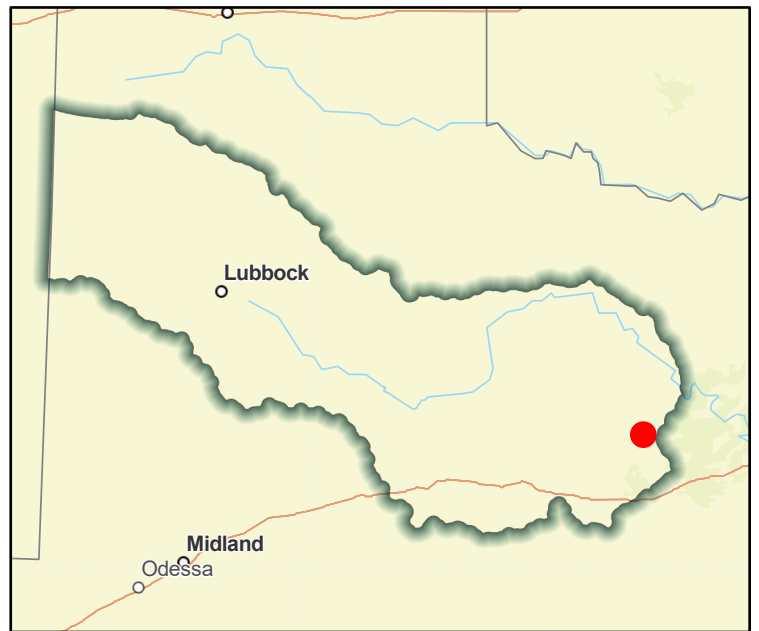
## Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Breckenridge Floodplain Open Space Program**

ID# **071000131**

Sponsor (name of entity, not person) **Breckenridge (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Stephens** Watershed HUC# (if known) **120601050503, 120601050504, 120601050603**

Drainage area (Square miles, est.) **4** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **562** # of structures **440** Critical facilities **1**

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

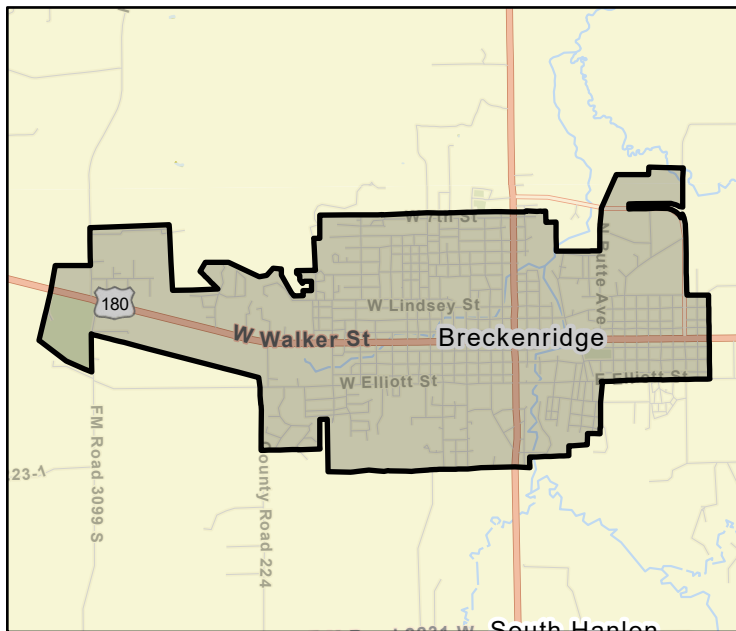
Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **14**

Number of low water crossings **0** Historical road closures **0**

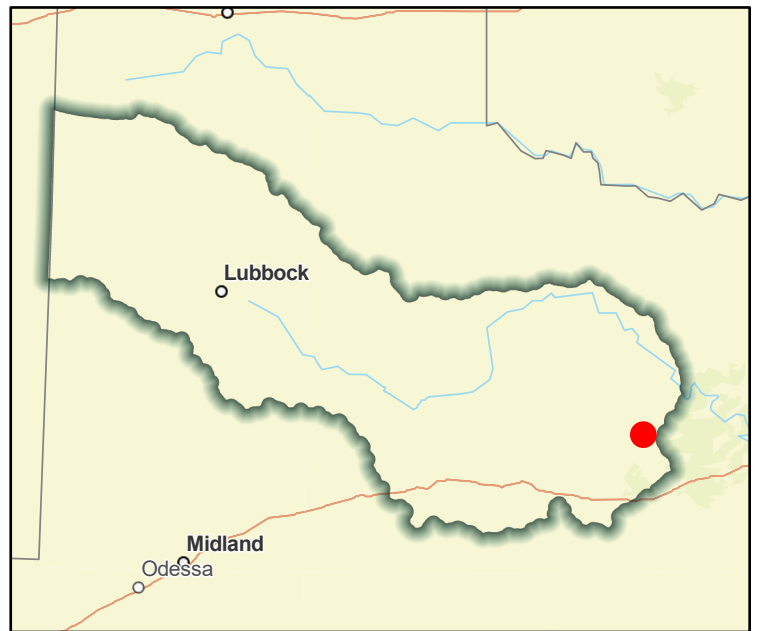
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Breckenridge New Ordinance - Detention**

ID# **071000132**

Sponsor (name of entity, not person) **Breckenridge (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Adopt on-site retention basin program in conjunction with development to address excessive stormwater / firefighting water source.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Stephens** Watershed HUC# (if known) **120601050503, 120601050504, 120601050603**

Drainage area (Square miles, est.) **4** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **562** # of structures **440** Critical facilities **1**

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

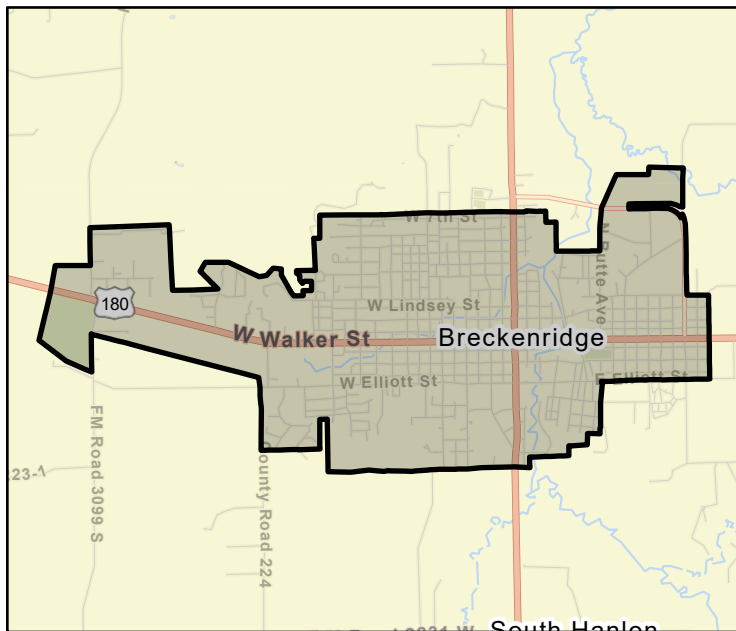
Farm/Ranch land impacted (acres) **4** Roadway(s) impacted (length) **14**

Number of low water crossings **0** Historical road closures **0**

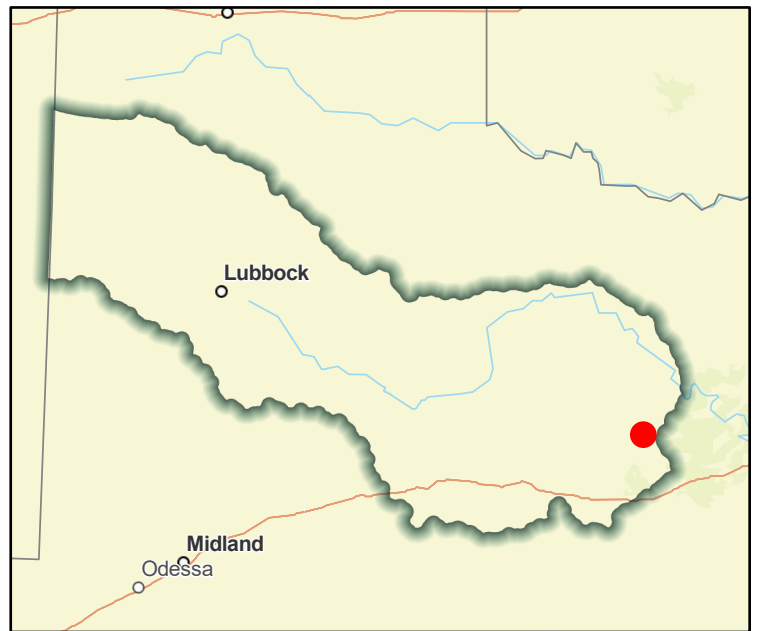
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend?  Reason for Recommendation

## Study Details

Study type

Study description

New Hydrologic or Hydraulic model?  Emergency Need?  Existing/Anticipated models in near term?

County  Watershed HUC# (if known)

Drainage area (Square miles, est.)  Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  Critical facilities

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

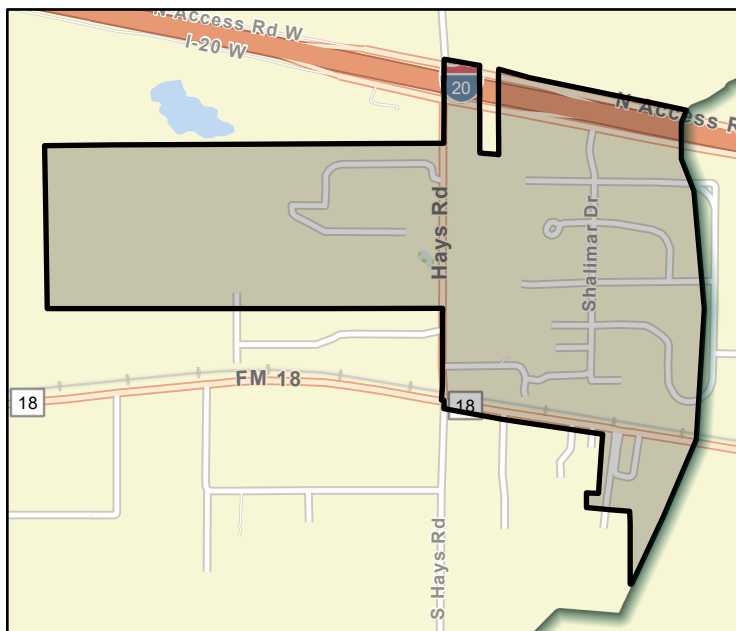
Farm/Ranch land impacted (acres)  Roadway(s) impacted (length)

Number of low water crossings  Historical road closures

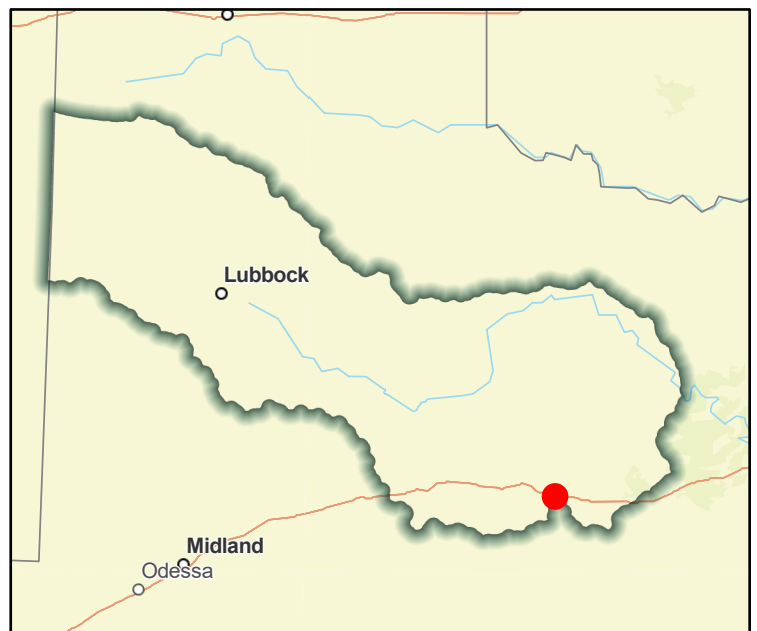
## Estimated Cost and Funding Availability

Total Cost  Amount of Available Funding  Federal funding availability

Funding source



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **City of Clyde Flood Protection Lift Station Program**

ID# **071000133**

Sponsor (name of entity, not person) **Clyde (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Callahan** Watershed HUC# (if known) **120601020801, 120901070101**

Drainage area (Square miles, est.) **0** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

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

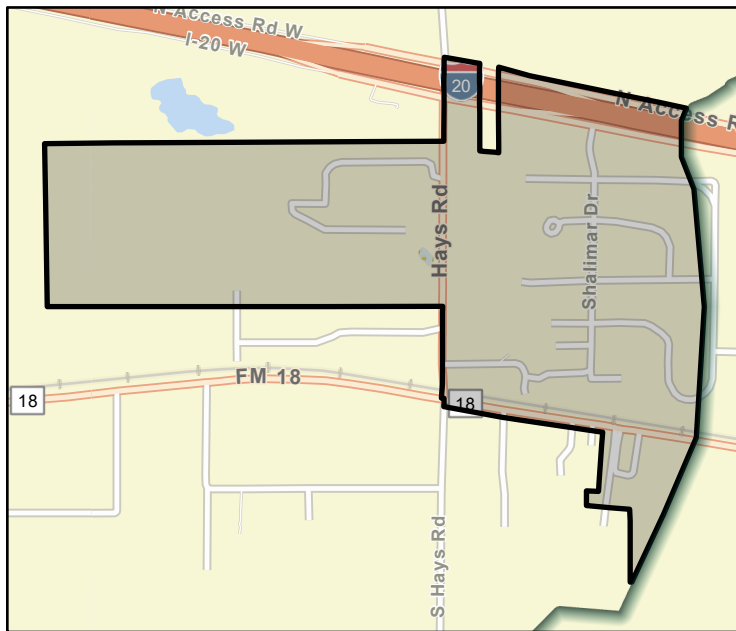
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend?  Reason for Recommendation

## Study Details

Study type

Study description

New Hydrologic or Hydraulic model?  Emergency Need?  Existing/Anticipated models in near term?

County  Watershed HUC# (if known)

Drainage area (Square miles, est.)  Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  Critical facilities

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

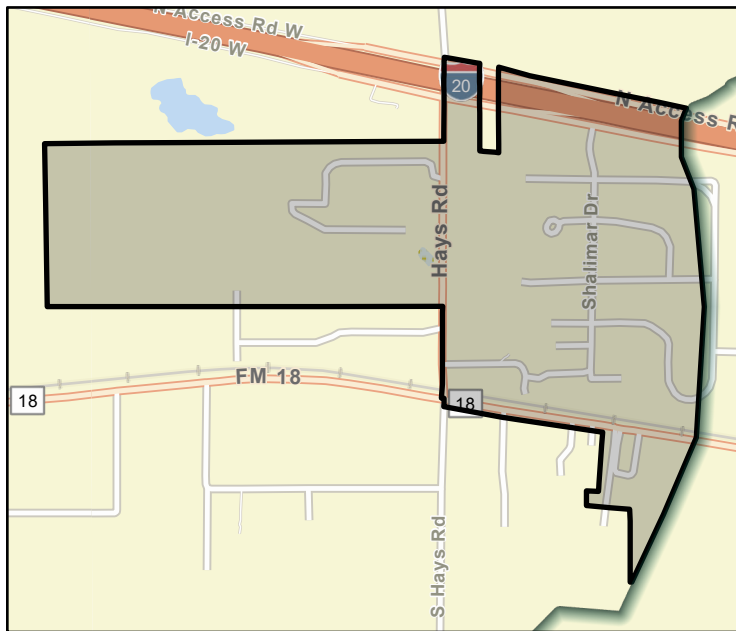
Farm/Ranch land impacted (acres)  Roadway(s) impacted (length)

Number of low water crossings  Historical road closures

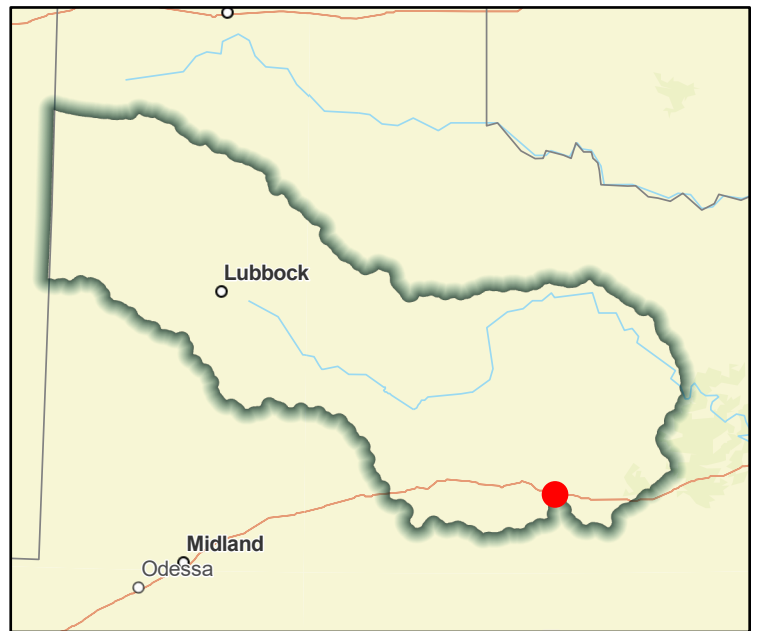
## Estimated Cost and Funding Availability

Total Cost  Amount of Available Funding  Federal funding availability

Funding source



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Clyde Higher Standards Program**

ID# **071000135**

Sponsor (name of entity, not person) **Clyde (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative”**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Callahan** Watershed HUC# (if known) **120601020801, 120901070101**

Drainage area (Square miles, est.) **0** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

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

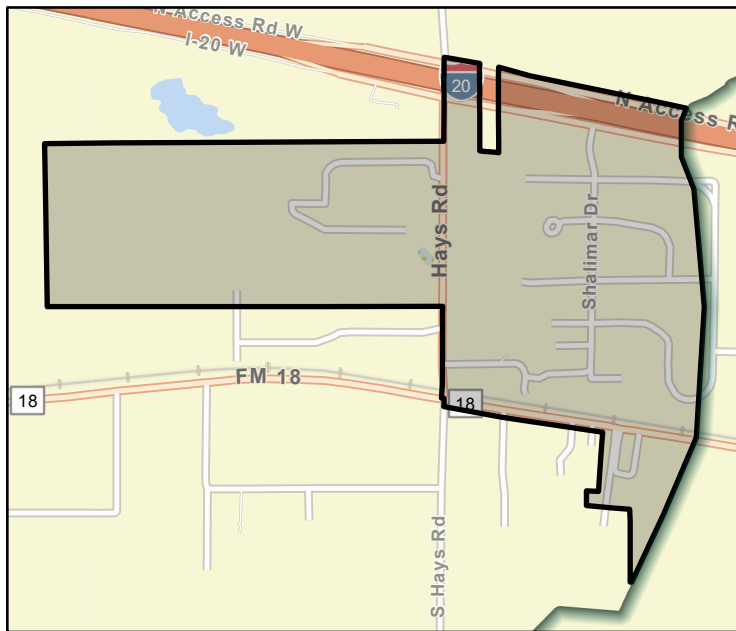
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

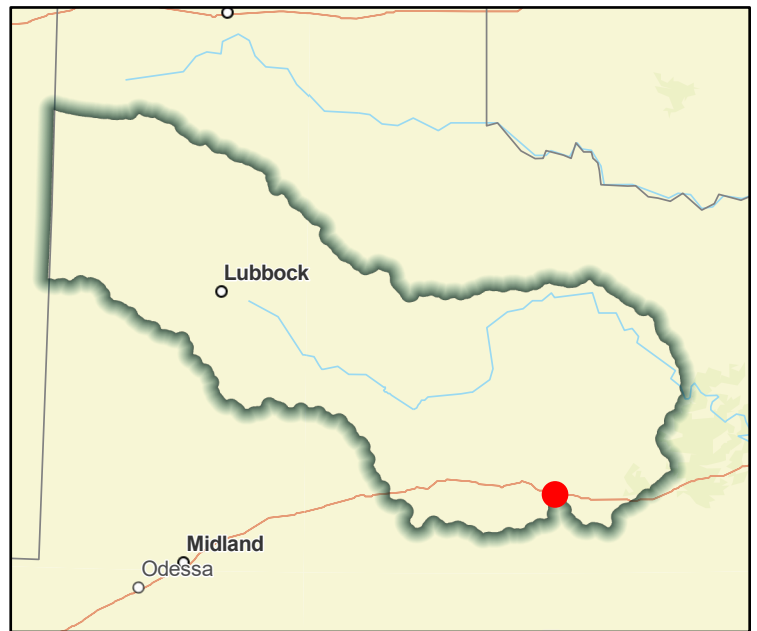
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Earth DMP**  
ID# **071000038**  
Sponsor (name of entity, not person) **Earth (Municipality)**  
RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

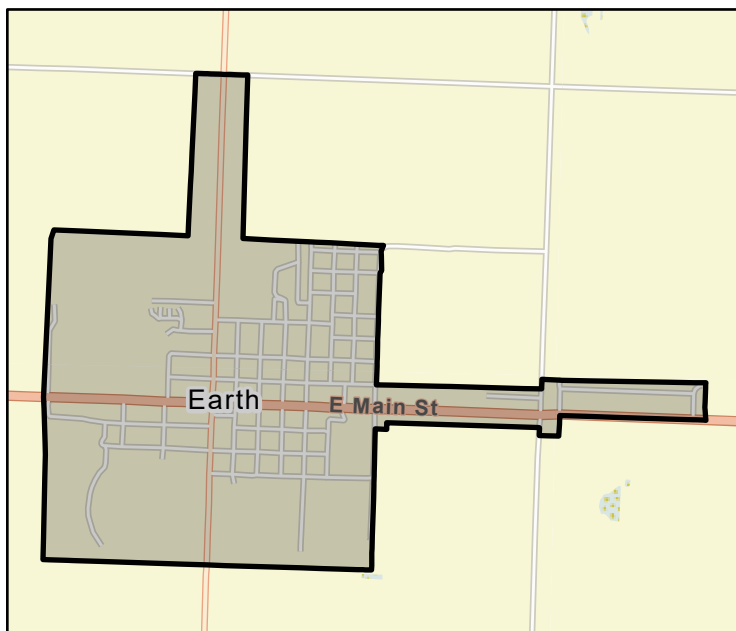
Study type **Watershed Planning**  
Study description **Evaluate City of Earth for a Storm Water Master Plan, flood ordinances, and policies.**  
New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**  
County **Lamb** Watershed HUC# (if known) **120500020410**  
Drainage area (Square miles, est.) **1** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

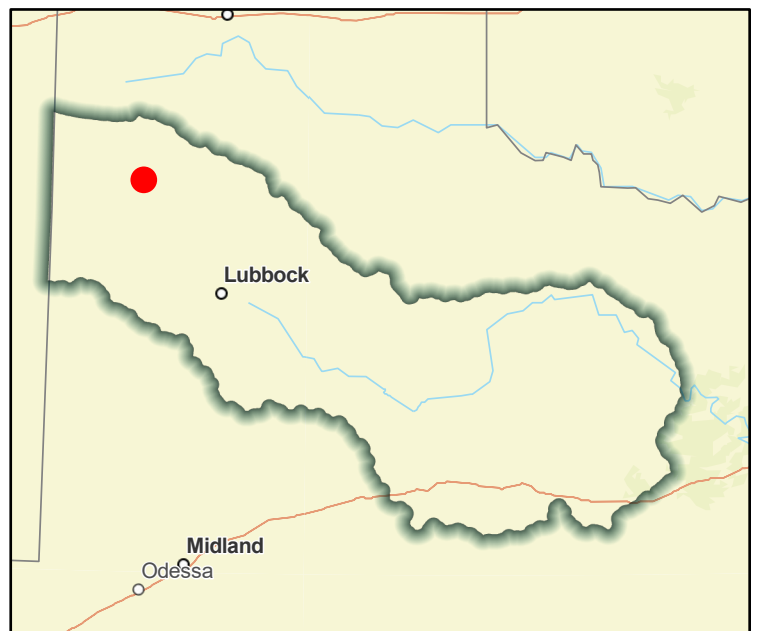
Population at risk **54** # of structures **65** Critical facilities **0**  
Flood risk type: Riverine? **No** Coastal? **No** Local? **No** Playa? **Yes** Other? **No**  
Farm/Ranch land impacted (acres) **49** Roadway(s) impacted (length) **3**  
Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**  
Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **City of Hamlin Buyout Program**

ID# **071000136**

Sponsor (name of entity, not person) **Hamlin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Acquire and demolish repetitive loss properties.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Jones** Watershed HUC# (if known) **120601030103**

Drainage area (Square miles, est.) **5** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **470** # of structures **274** Critical facilities **2**

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

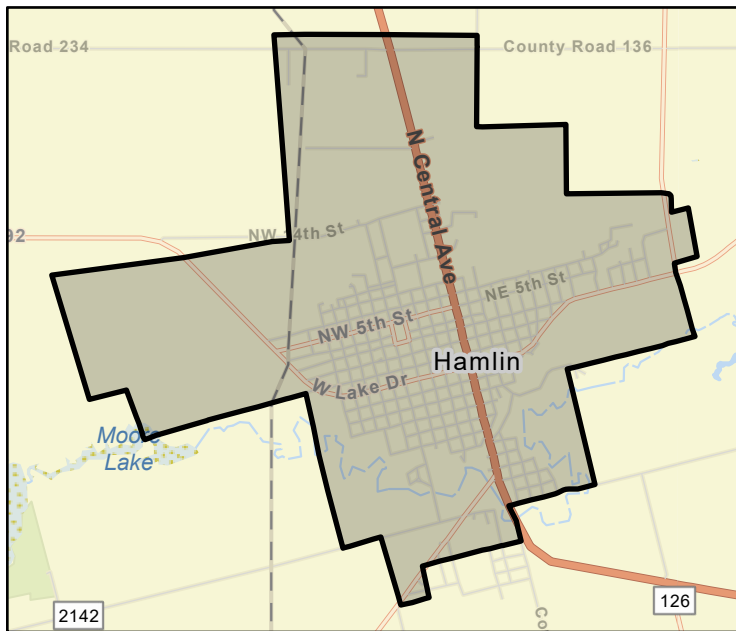
Farm/Ranch land impacted (acres) **230** Roadway(s) impacted (length) **12**

Number of low water crossings **0** Historical road closures **0**

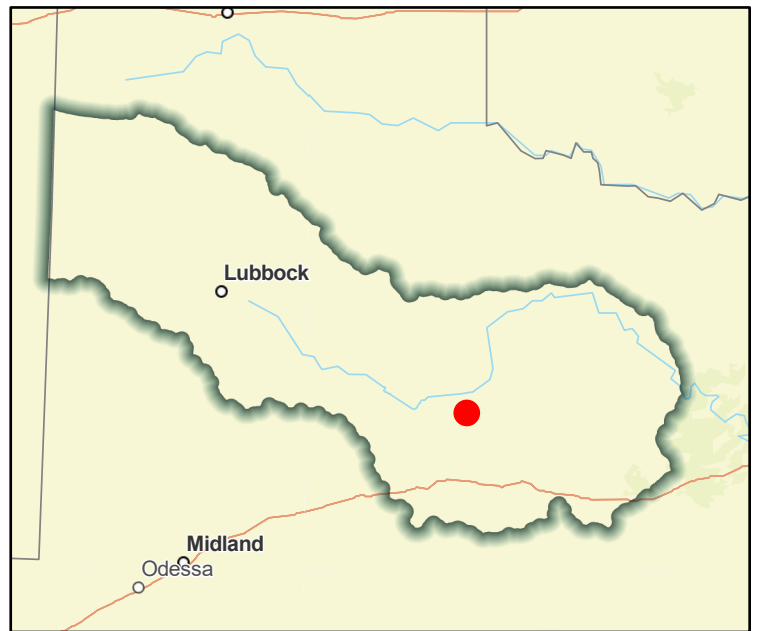
## Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Hamlin DMP**

ID# **071000039**

Sponsor (name of entity, not person) **Hamlin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Jones** Watershed HUC# (if known) **120601030103**

Drainage area (Square miles, est.) **5** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **470** # of structures **274** Critical facilities **2**

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

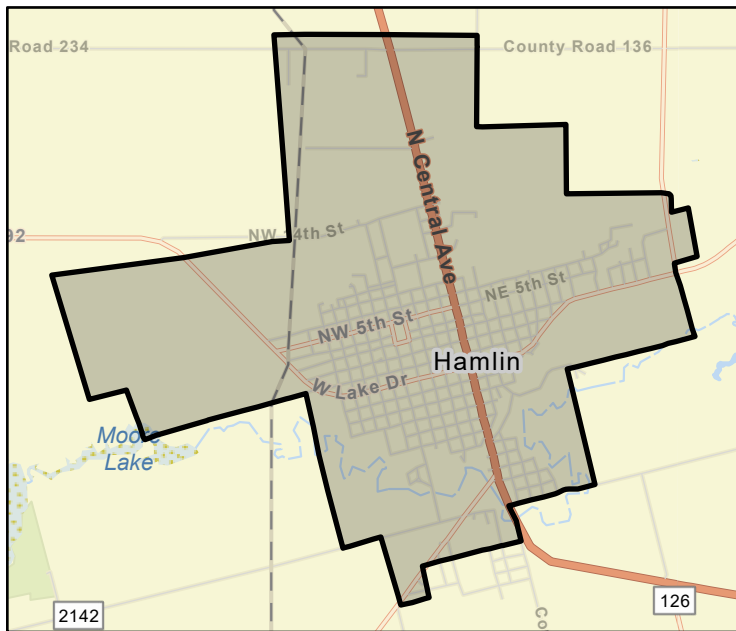
Farm/Ranch land impacted (acres) **230** Roadway(s) impacted (length) **12**

Number of low water crossings **0** Historical road closures **0**

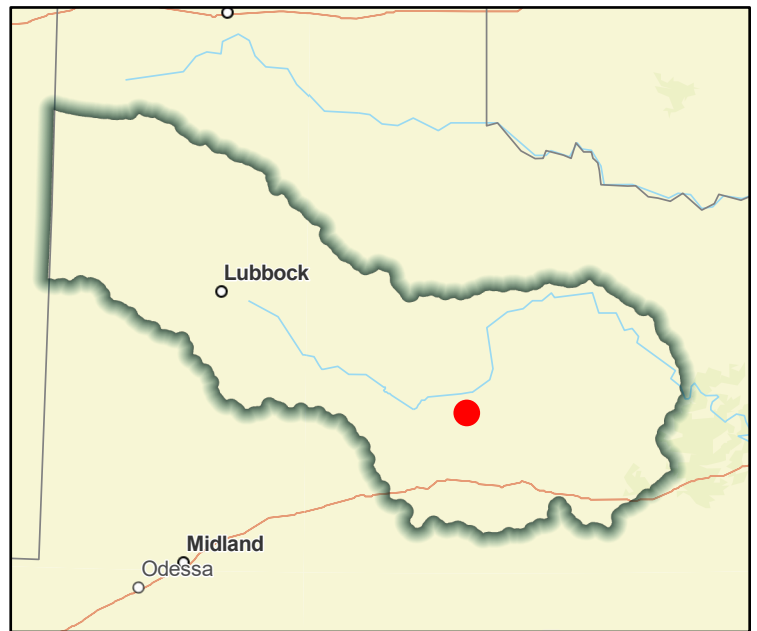
## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Hamlin Floodplain Open Space Program**

ID# **071000137**

Sponsor (name of entity, not person) **Hamlin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Jones** Watershed HUC# (if known) **120601030103**

Drainage area (Square miles, est.) **5** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **470** # of structures **274** Critical facilities **2**

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

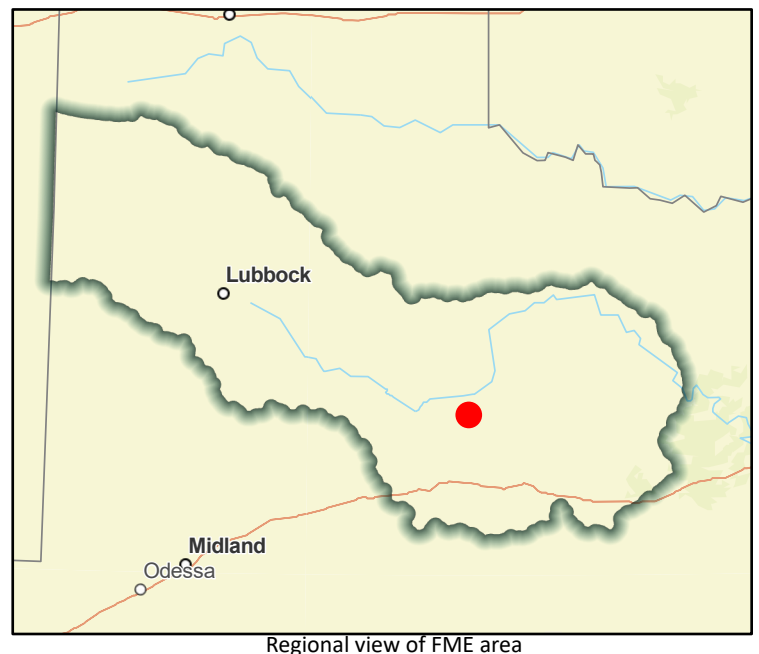
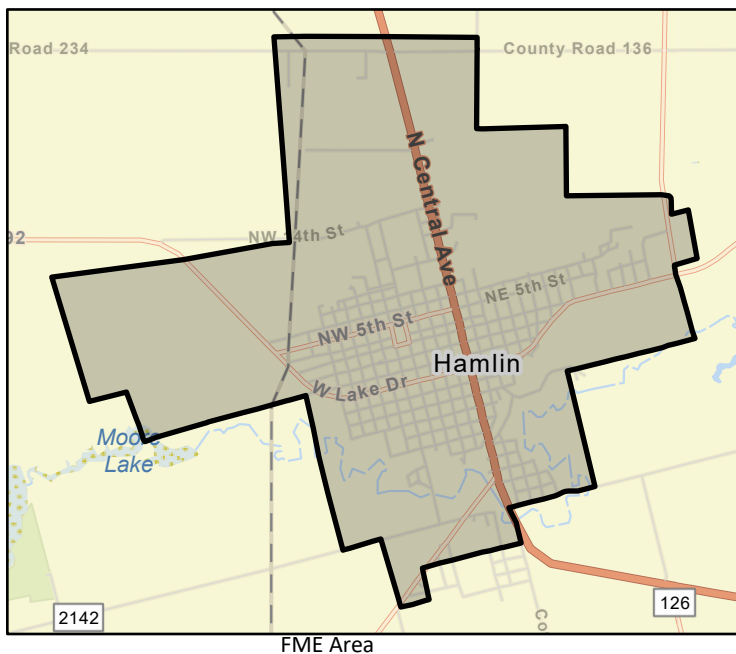
Farm/Ranch land impacted (acres) **230** Roadway(s) impacted (length) **12**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



# Flood Management Evaluation (FME)



Title **City of Hamlin Floodproof Sewage Plant Program**

ID# **071000138**

Sponsor (name of entity, not person) **Hamlin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Flood-proof sewage treatment plants in flood hazard / low-lying areas.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Jones** Watershed HUC# (if known) **120601030103**

Drainage area (Square miles, est.) **5** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **470** # of structures **274** Critical facilities **2**

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

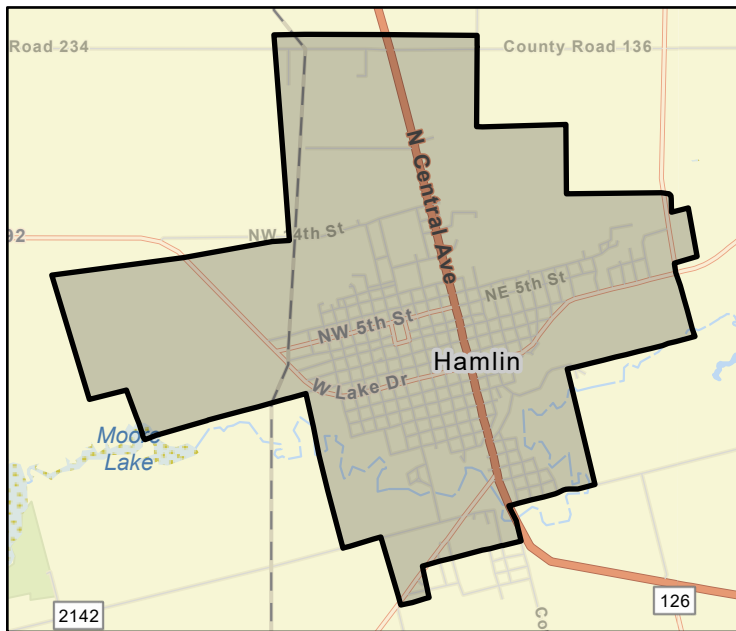
Farm/Ranch land impacted (acres) **230** Roadway(s) impacted (length) **12**

Number of low water crossings **0** Historical road closures **0**

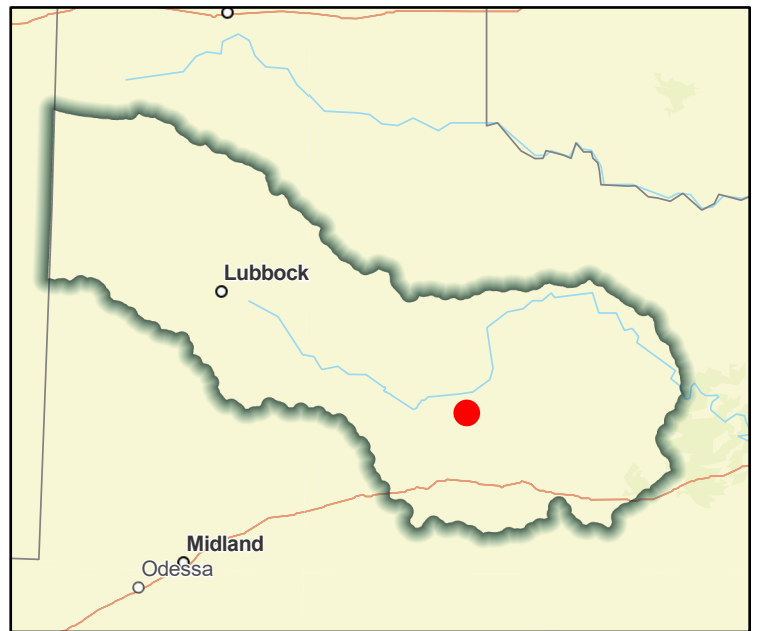
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **City of Hamlin Higher Standards Program**

ID# **071000139**

Sponsor (name of entity, not person) **Hamlin (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative”**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Jones** Watershed HUC# (if known) **120601030103**

Drainage area (Square miles, est.) **5** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **470** # of structures **274** Critical facilities **2**

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

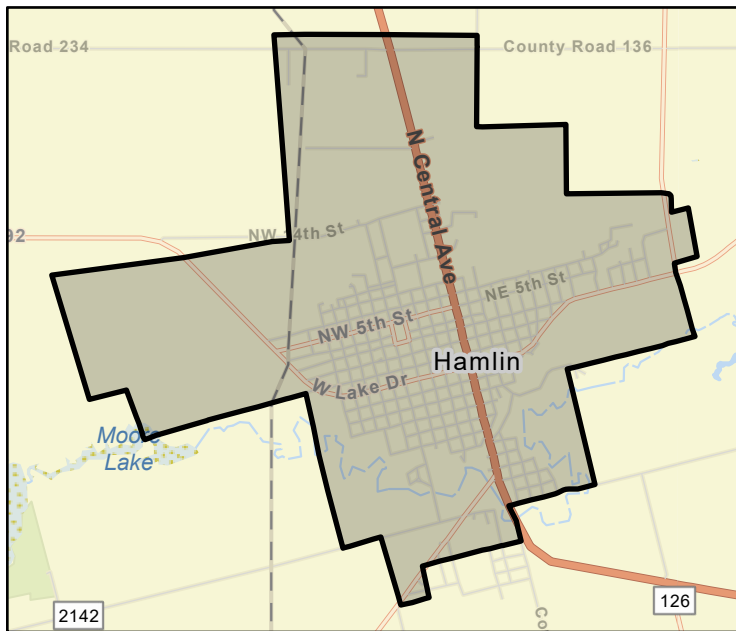
Farm/Ranch land impacted (acres) **230** Roadway(s) impacted (length) **12**

Number of low water crossings **0** Historical road closures **0**

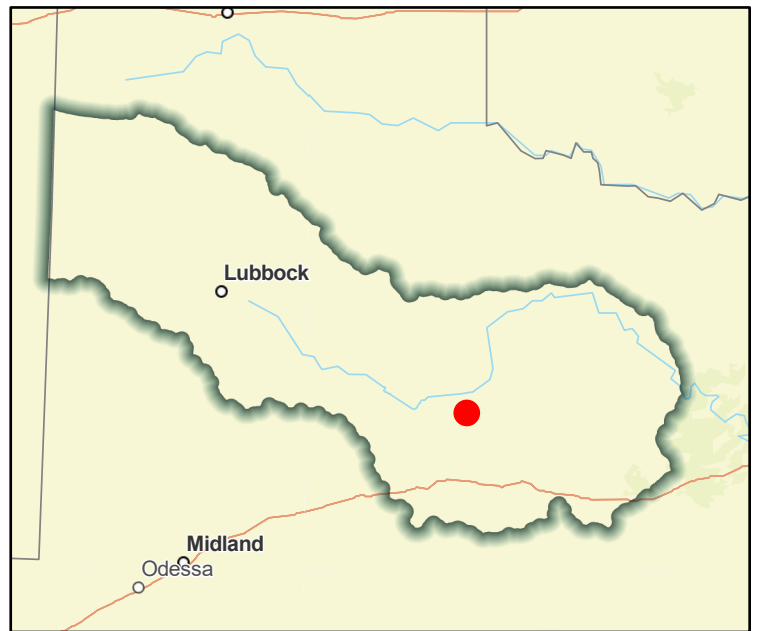
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Haskell Relocate Critical Facilities High Hazard**

ID# **071000140**

Sponsor (name of entity, not person) **Haskell (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Relocate critical facilities out of high hazard areas.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Haskell** Watershed HUC# (if known) **120601030206**

Drainage area (Square miles, est.) **4** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **324** # of structures **181** Critical facilities **1**

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

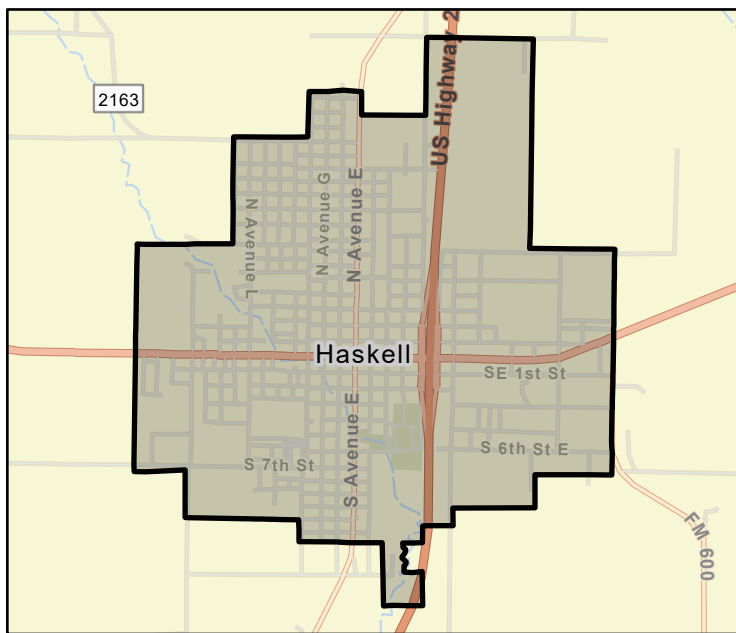
Farm/Ranch land impacted (acres) **37** Roadway(s) impacted (length) **14**

Number of low water crossings **11** Historical road closures **0**

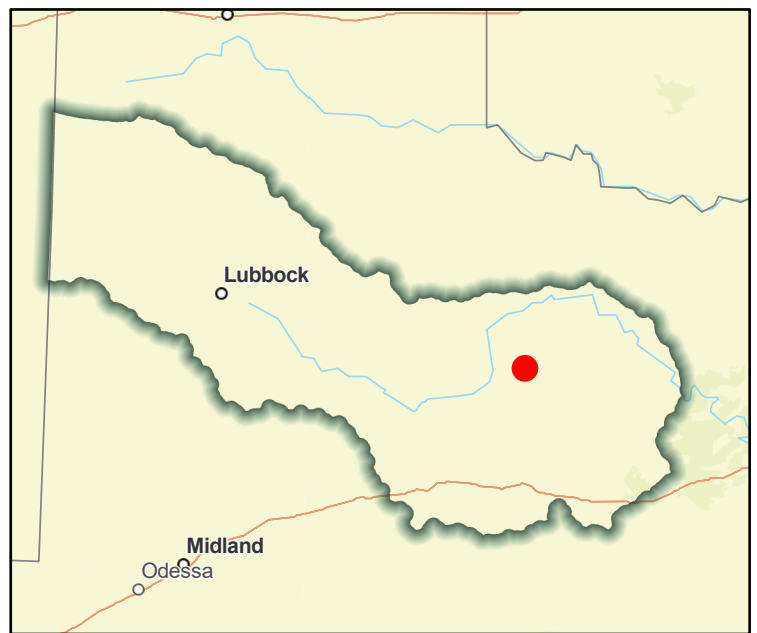
## Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Levelland DCM**

ID# **071000141**

Sponsor (name of entity, not person) **Levelland (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lubbock** Watershed HUC# (if known) **120500011201, 120500040201, 120500040202, 120500040203,**

Drainage area (Square miles, est.) **10** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **4,738** # of structures **1,277** Critical facilities **5**

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

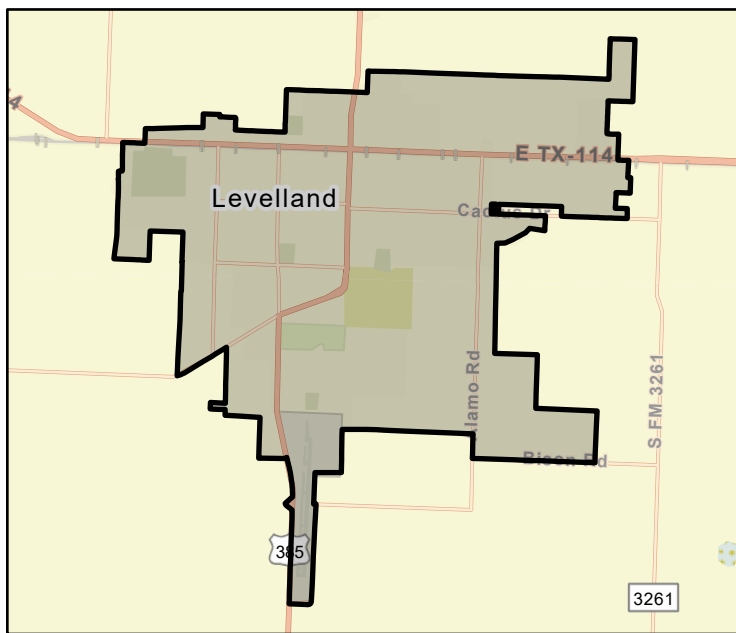
Farm/Ranch land impacted (acres) **718** Roadway(s) impacted (length) **46**

Number of low water crossings **0** Historical road closures **0**

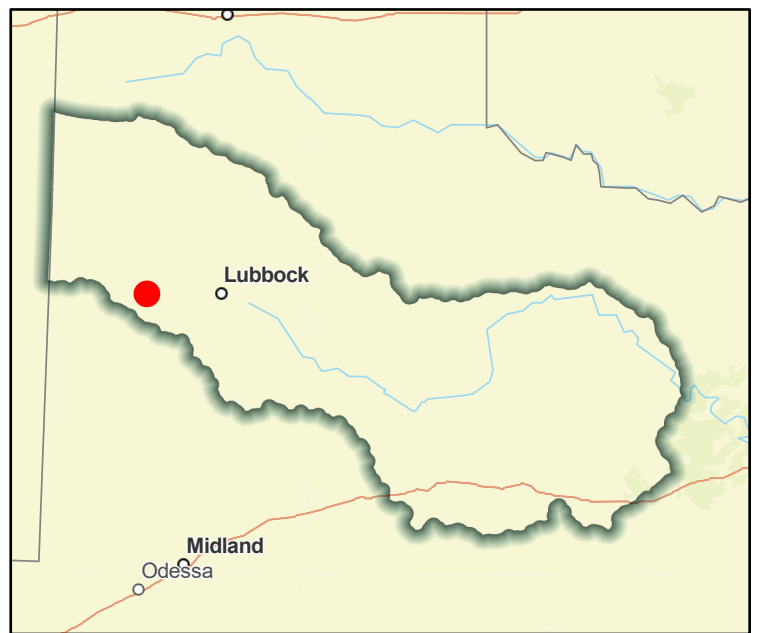
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Littlefield DMP**

ID# **071000040**

Sponsor (name of entity, not person) **Littlefield (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate City of Littlefield for a Storm Water Master Plan, flood ordinances, and policies.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lamb** Watershed HUC# (if known) **120500011105, 120500011106**

Drainage area (Square miles, est.) **6** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **66** # of structures **55** Critical facilities **0**

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

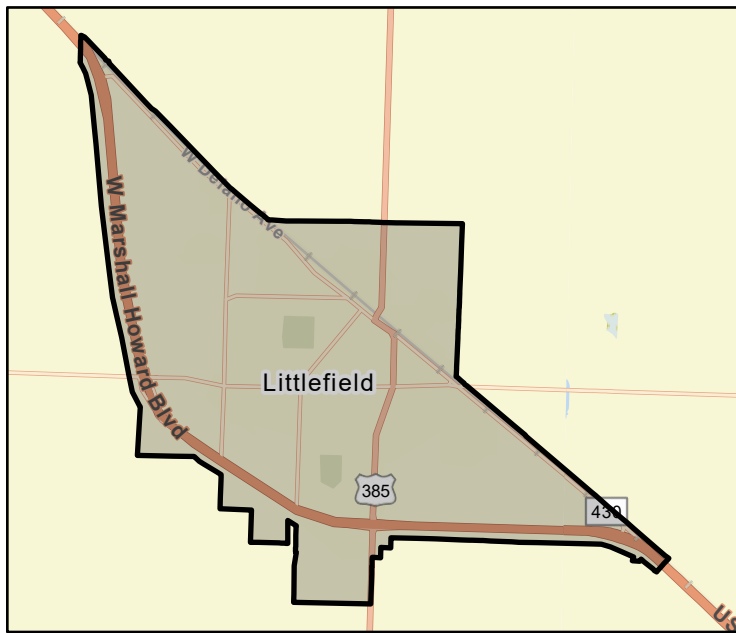
Farm/Ranch land impacted (acres) **29** Roadway(s) impacted (length) **12**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **City of Lubbock 34th St CIP**

ID# **071000210**

Sponsor (name of entity, not person) **Lubbock (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Balancing culverts, an elevated roadway and a drainage system parallel to the road between Upland and Milwaukee.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lubbock** Watershed HUC# (if known) **120500030103**

Drainage area (Square miles, est.) **0** Goal(s) **07000021, 07000022, 07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **3** # of structures **3** Critical facilities **0**

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

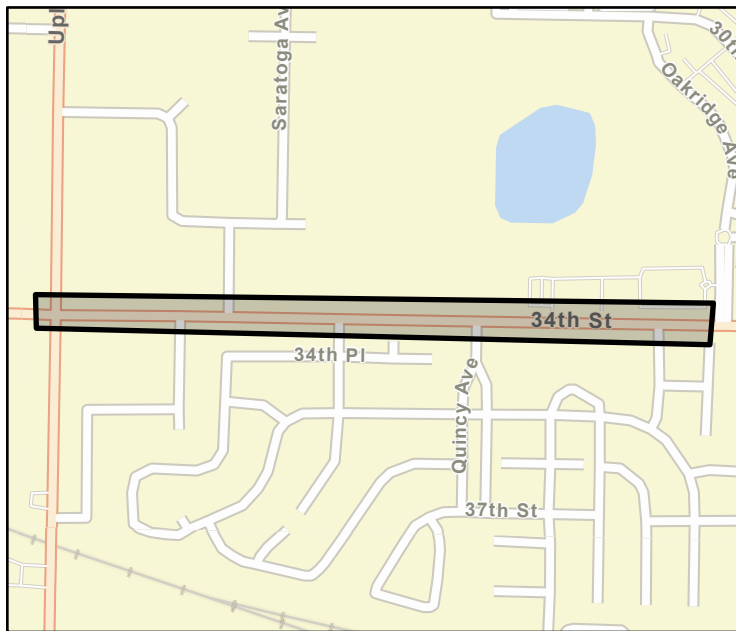
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

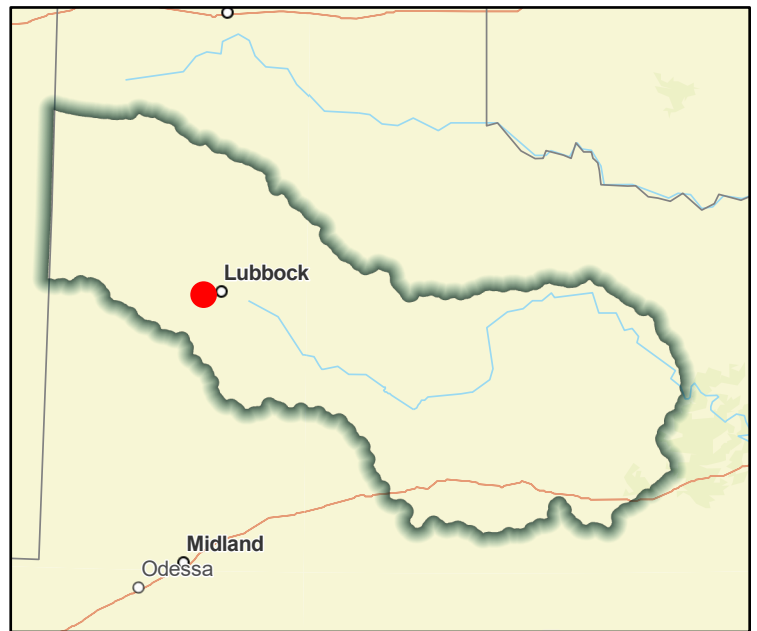
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Lubbock 4th St & Elkhart CIP**

ID# **071300010**

Sponsor (name of entity, not person) **Lubbock (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Construct box culverts. Provide excavation to offset increased discharge. Construct earthen dam in West Wind channel to maintain playa overflow elevation.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lubbock** Watershed HUC# (if known) **120500030103**

Drainage area (Square miles, est.) **0** Goal(s) **07000021, 07000022, 07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **6** # of structures **1** Critical facilities **0**

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

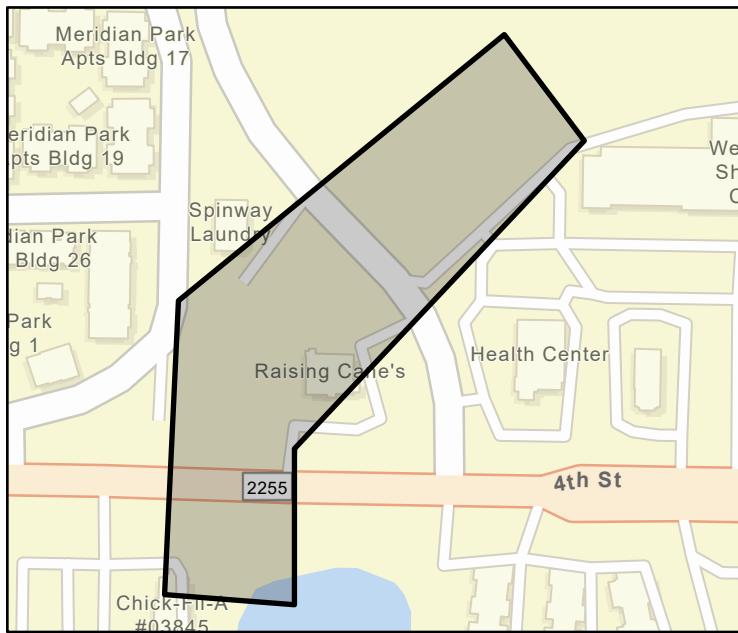
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend?  Yes Reason for Recommendation  Alignment with Region Goals

## Study Details

Study type

Study description

New Hydrologic or Hydraulic model?  Emergency Need?  Existing/Anticipated models in near term?

County  Watershed HUC# (if known)

Drainage area (Square miles, est.)  Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  Critical facilities

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

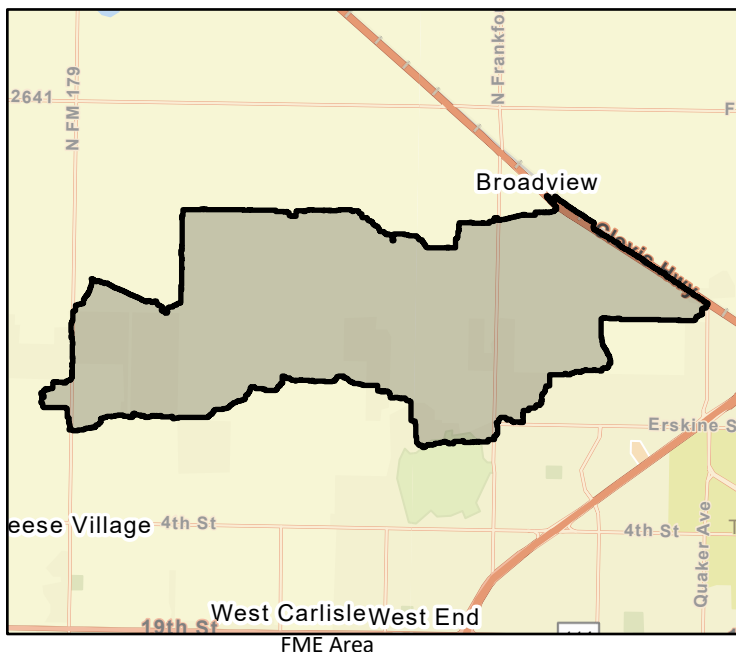
Farm/Ranch land impacted (acres)  Roadway(s) impacted (length)

Number of low water crossings  Historical road closures

## Estimated Cost and Funding Availability

Total Cost  Amount of Available Funding  Federal funding availability

Funding source



# Flood Management Evaluation (FME)



Title **City of Lubbock Higginbothum Park**

ID# **071000214**

Sponsor (name of entity, not person) **Lubbock (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Higginbothum Park Area of Interest**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lubbock** Watershed HUC# (if known) **120500030103**

Drainage area (Square miles, est.) **0** Goal(s) **07000021, 07000022, 07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

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

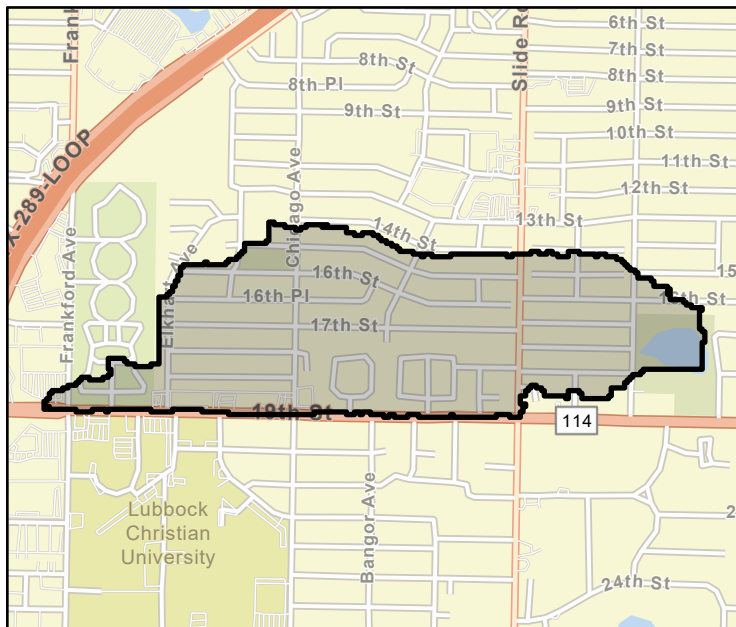
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

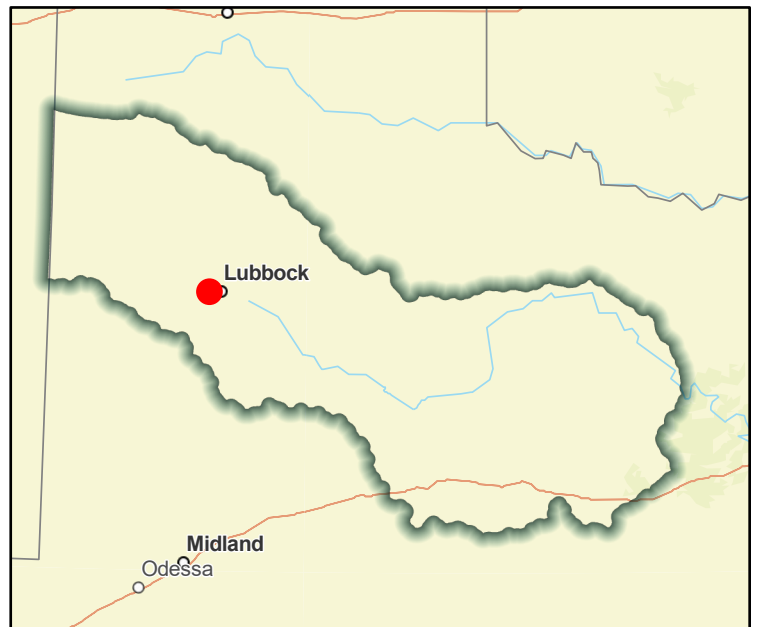
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **City of Moran DMP**

ID# **071000042**

Sponsor (name of entity, not person) **Moran (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Shackelford** Watershed HUC# (if known) **120601050105, 120601050106**

Drainage area (Square miles, est.) **0** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **16** # of structures **18** Critical facilities **0**

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

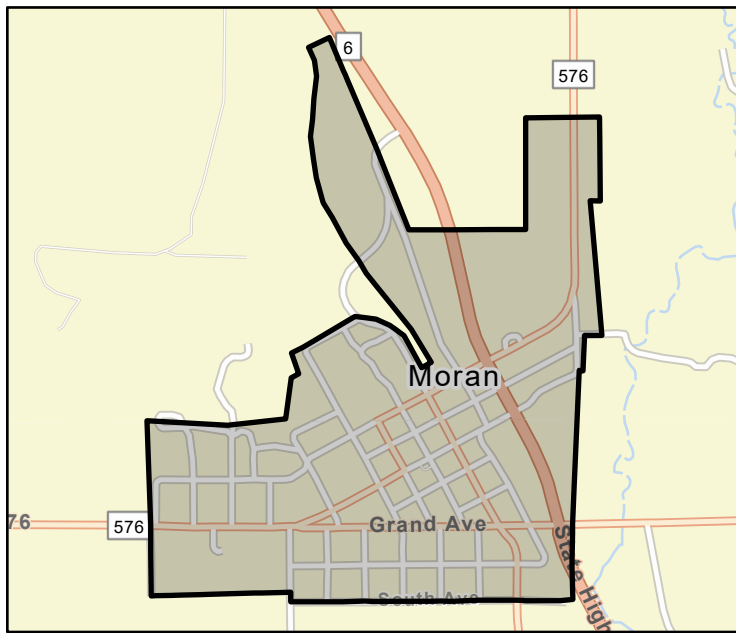
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Moran Floodproof Sewage Plant Program**

ID# **071000142**

Sponsor (name of entity, not person) **Moran (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Flood-proof sewage treatment plants in flood hazard / low-lying areas.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Shackelford** Watershed HUC# (if known) **120601050105, 120601050106**

Drainage area (Square miles, est.) **0** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **16** # of structures **18** Critical facilities **0**

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

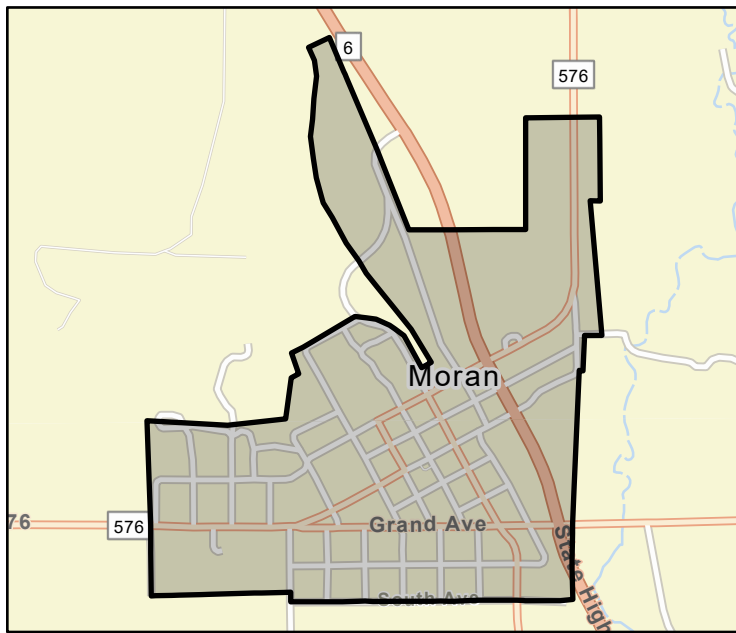
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Moran New Ordinance - Detention**

ID# **071000143**

Sponsor (name of entity, not person) **Moran (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Adopt on-site detention basin program. Detained water to be considered for fire fighting.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Shackelford** Watershed HUC# (if known) **120601050105, 120601050106**

Drainage area (Square miles, est.) **0** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **16** # of structures **18** Critical facilities **0**

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

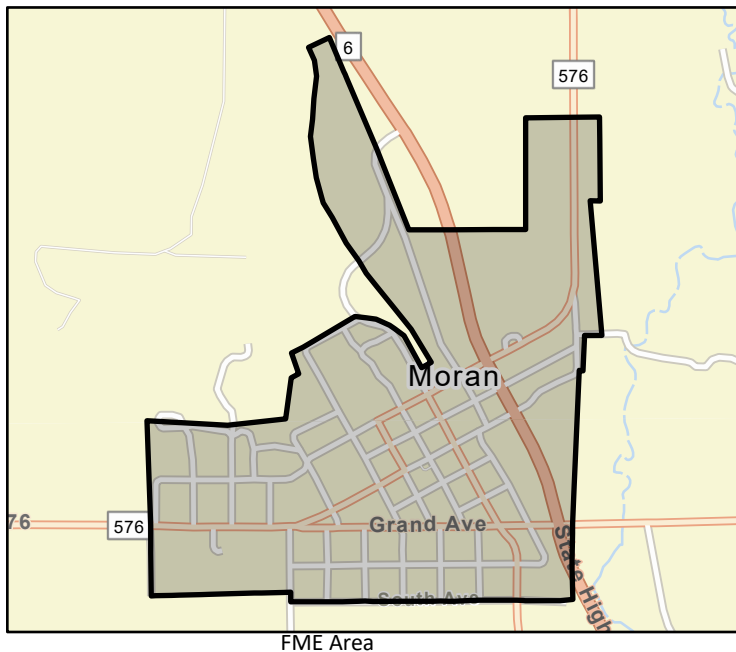
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



# Flood Management Evaluation (FME)



Title **City of Munday DMP**

ID# **071000043**

Sponsor (name of entity, not person) **Munday (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Knox** Watershed HUC# (if known) **120601010405**

Drainage area (Square miles, est.) **1** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **1,065** # of structures **690** Critical facilities **4**

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

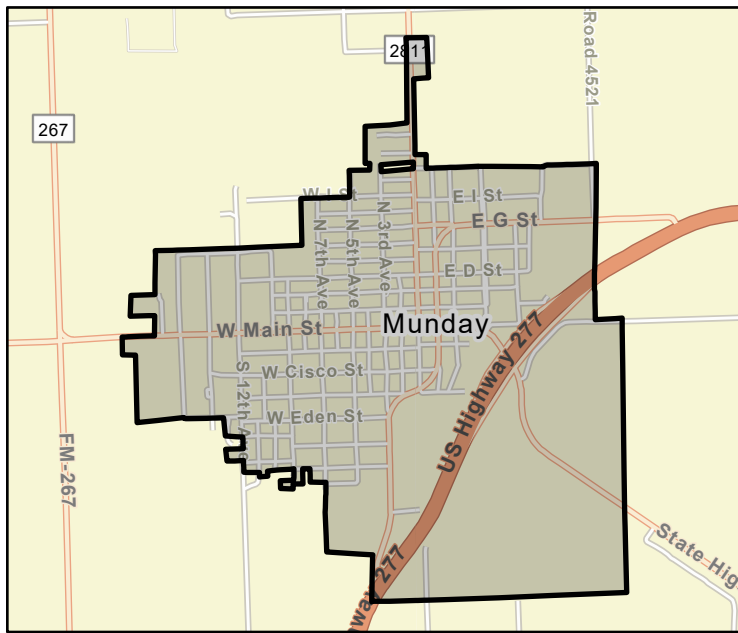
Farm/Ranch land impacted (acres) **183** Roadway(s) impacted (length) **20**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **City of Munday Flood Protection Lift Station Program**

ID# **071000144**

Sponsor (name of entity, not person) **Munday (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Knox** Watershed HUC# (if known) **120601010405**

Drainage area (Square miles, est.) **1** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **1,065** # of structures **690** Critical facilities **4**

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

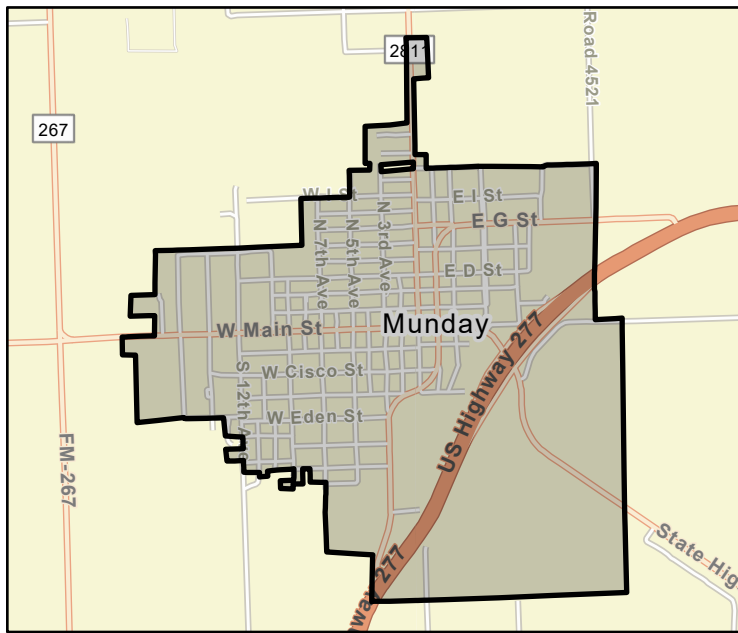
Farm/Ranch land impacted (acres) **183** Roadway(s) impacted (length) **20**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of New Home DMP**

ID# **071000044**

Sponsor (name of entity, not person) **New Home (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate City of New Home for a Storm Water Master Plan, flood ordinances, and policies.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lynn** Watershed HUC# (if known) **120500040104, 120500040207**

Drainage area (Square miles, est.) **1** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

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

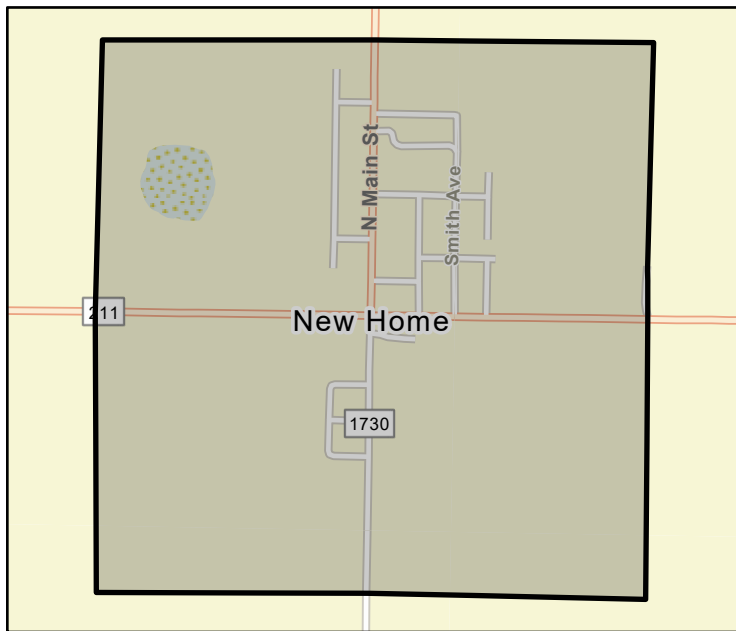
Farm/Ranch land impacted (acres) **19** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

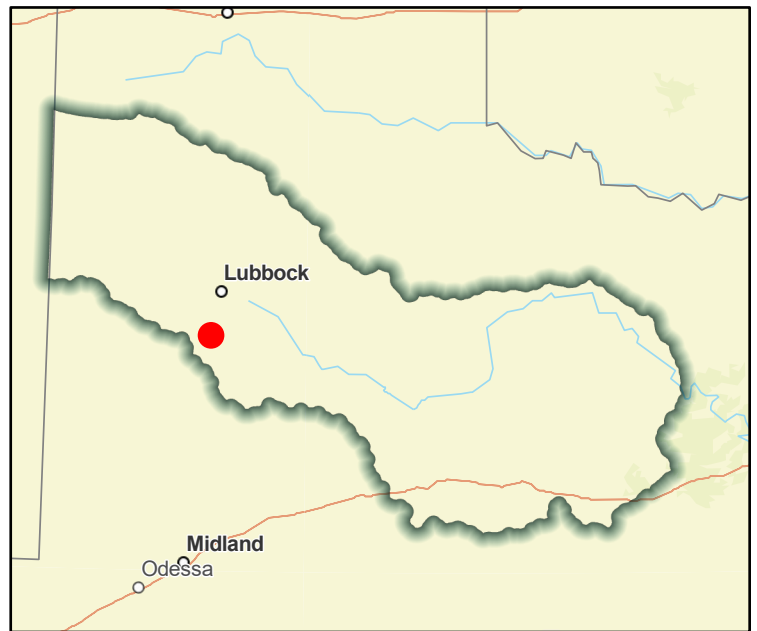
## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Newcastle DMP**

ID# **071000045**

Sponsor (name of entity, not person) **Newcastle (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Determine locations for additional detention/retention basins.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Young** Watershed HUC# (if known) **120601010902**

Drainage area (Square miles, est.) **2** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **11** # of structures **11** Critical facilities **0**

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

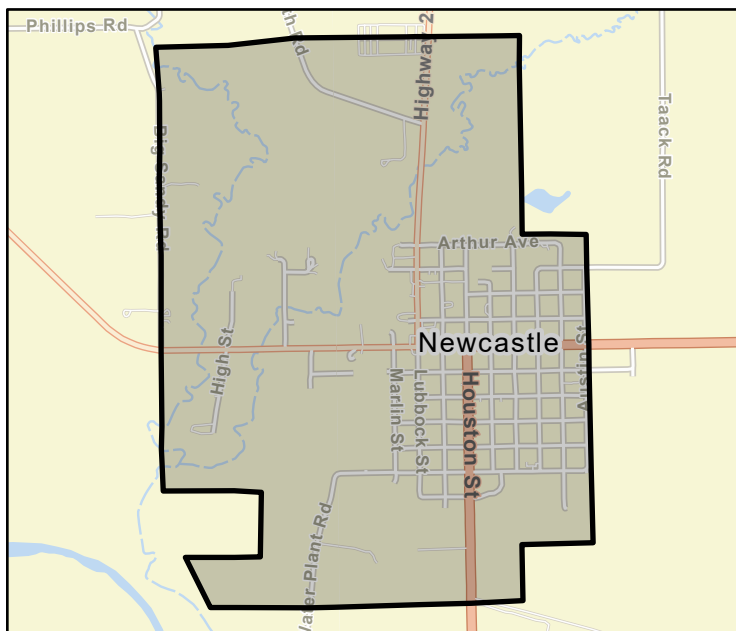
Farm/Ranch land impacted (acres) **36** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **0**

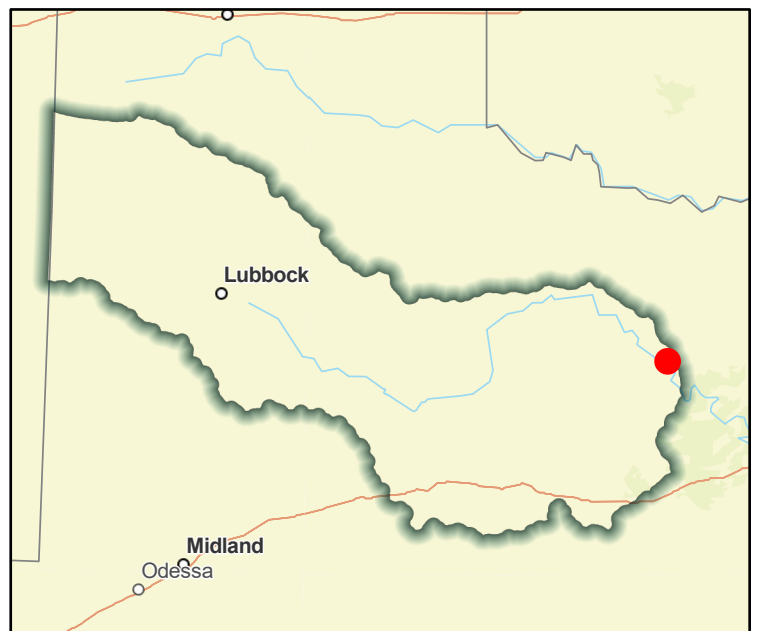
## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Olton DMP**  
ID# **071000041**  
Sponsor (name of entity, not person) **Olton (Municipality)**  
RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

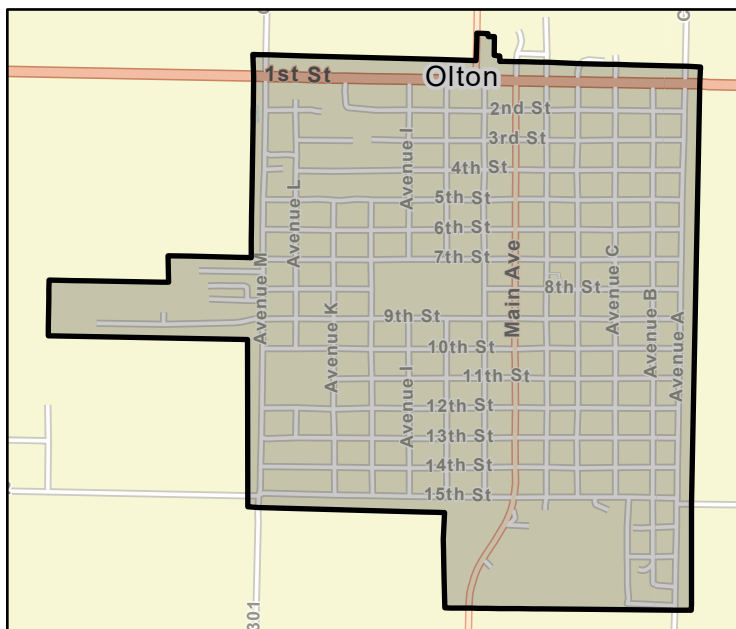
Study type **Watershed Planning**  
Study description **Evaluate City of Olton for a Storm Water Master Plan, flood ordinances, and policies.**  
New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**  
County **Lamb** Watershed HUC# (if known) **120500060101, 120500060203**  
Drainage area (Square miles, est.) **1** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

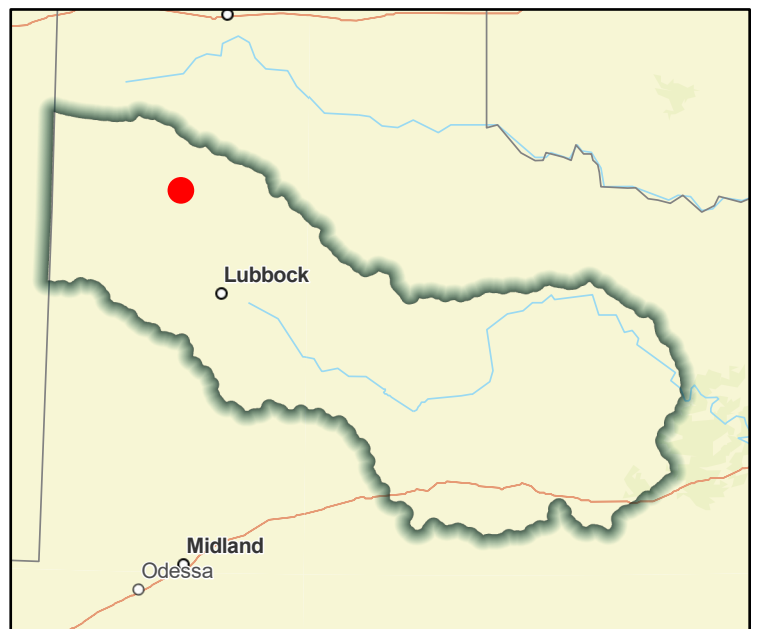
Population at risk **71** # of structures **63** Critical facilities **0**  
Flood risk type: Riverine? **No** Coastal? **No** Local? **No** Playa? **Yes** Other? **No**  
Farm/Ranch land impacted (acres) **14** Roadway(s) impacted (length) **7**  
Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**  
Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **City of Post DMP**  
 ID# **071000046**  
 Sponsor (name of entity, not person) **Post (Municipality)**  
 RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

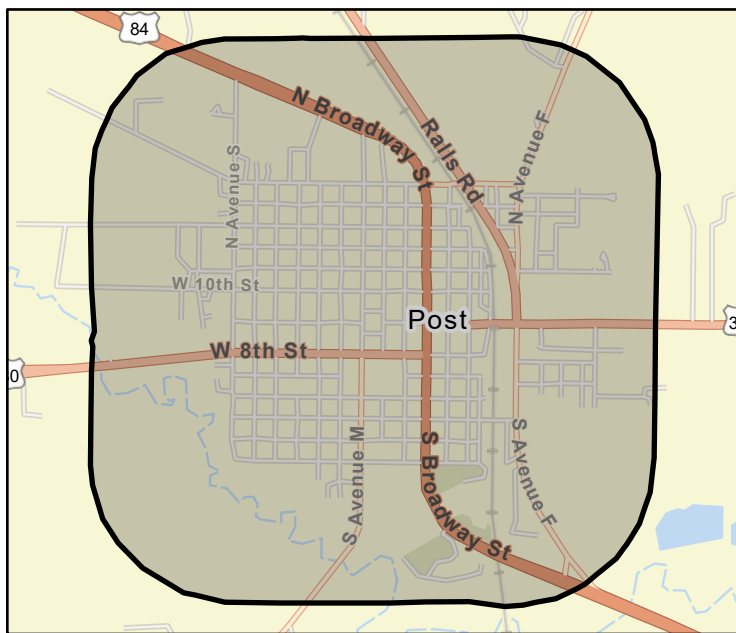
Study type **Watershed Planning**  
 Study description **Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**  
 New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**  
 County **Garza** Watershed HUC# (if known) **120500030502, 120500030503**  
 Drainage area (Square miles, est.) **4** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

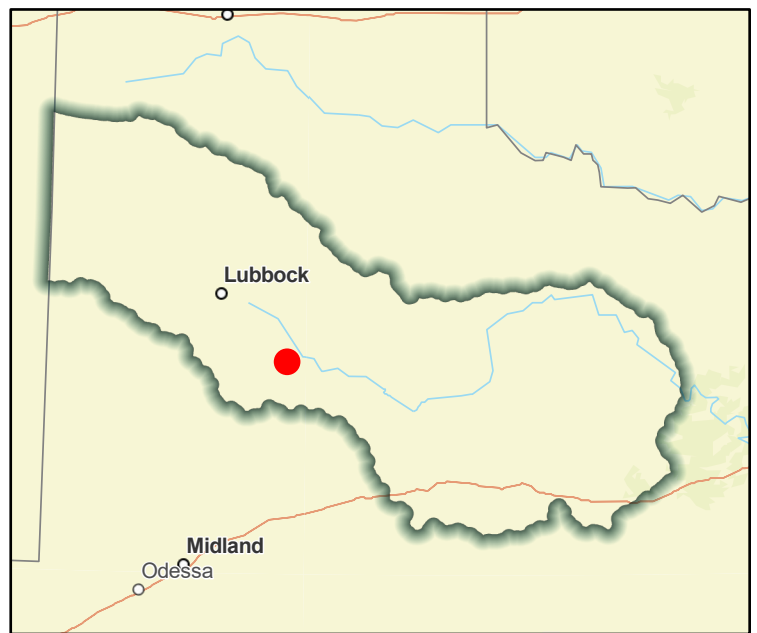
Population at risk **251** # of structures **36** Critical facilities **0**  
 Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**  
 Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **6**  
 Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**  
 Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Roscoe DMP**

ID# **071000047**

Sponsor (name of entity, not person) **Roscoe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Nolan** Watershed HUC# (if known) **120601020101, 120601020302, 120601020303**

Drainage area (Square miles, est.) **3** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **322** # of structures **194** Critical facilities **1**

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

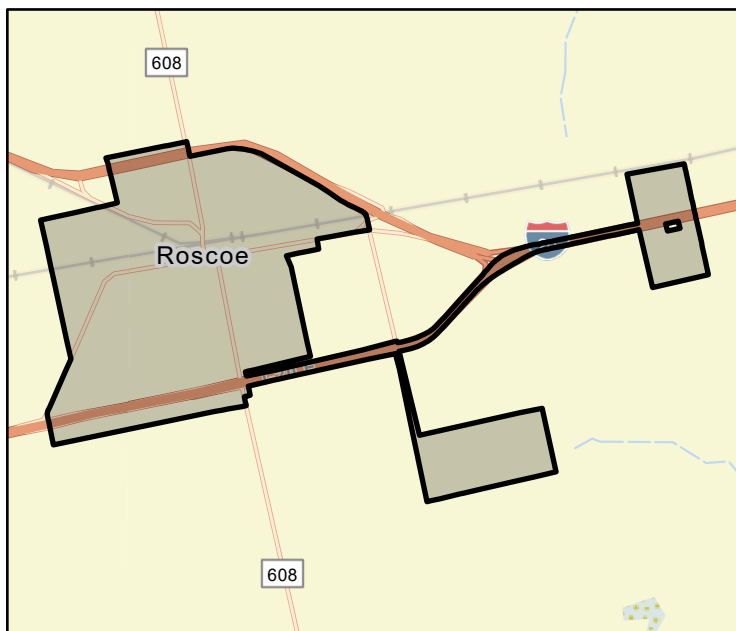
Farm/Ranch land impacted (acres) **380** Roadway(s) impacted (length) **11**

Number of low water crossings **0** Historical road closures **0**

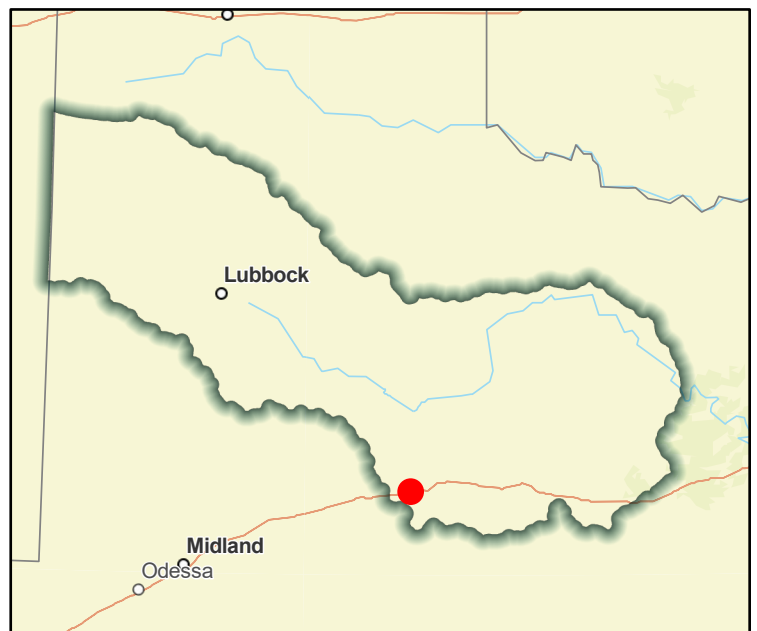
## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Roscoe Floodplain Open Space Program**

ID# **071000145**

Sponsor (name of entity, not person) **Roscoe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Nolan** Watershed HUC# (if known) **120601020101, 120601020302, 120601020303**

Drainage area (Square miles, est.) **3** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **322** # of structures **194** Critical facilities **1**

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

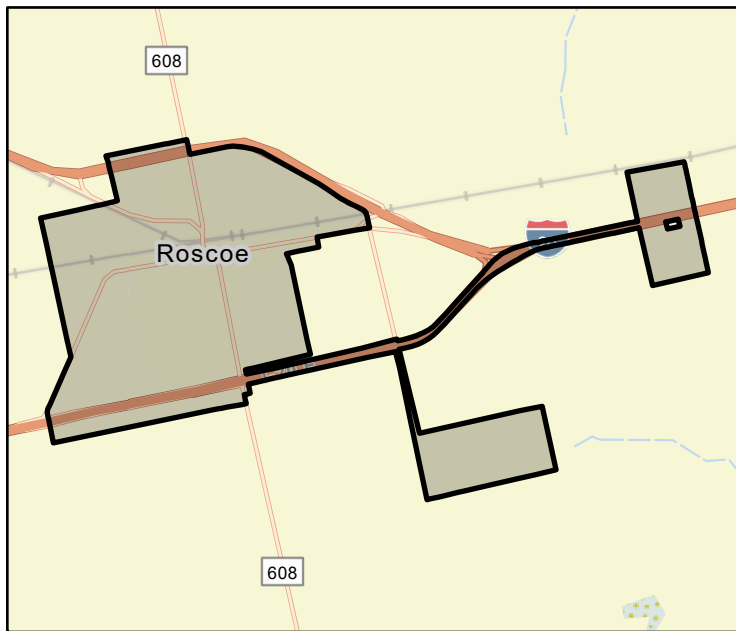
Farm/Ranch land impacted (acres) **380** Roadway(s) impacted (length) **11**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Roscoe Floodproof Sewage Plant Program**

ID# **071000146**

Sponsor (name of entity, not person) **Roscoe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Flood-proof sewage treatment plants in flood hazard / low-lying areas.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Nolan** Watershed HUC# (if known) **120601020101, 120601020302, 120601020303**

Drainage area (Square miles, est.) **3** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **322** # of structures **194** Critical facilities **1**

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

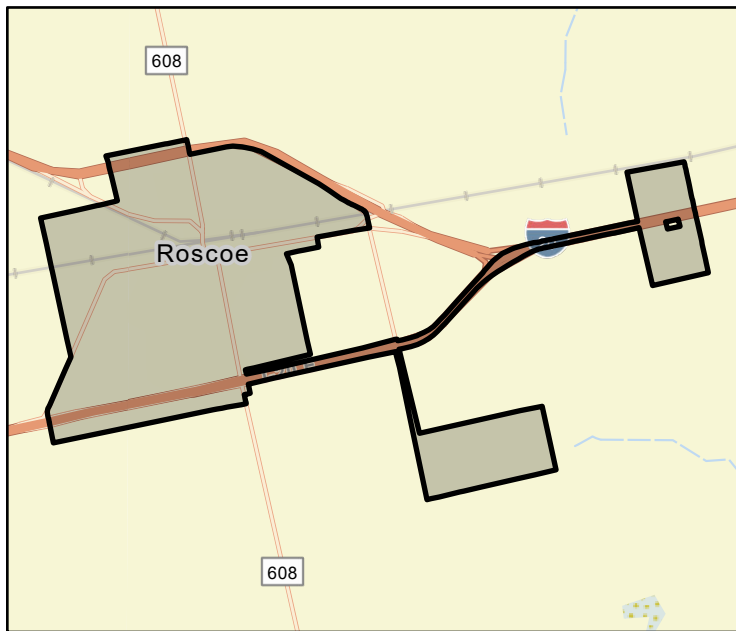
Farm/Ranch land impacted (acres) **380** Roadway(s) impacted (length) **11**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **City of Roscoe Higher Standards Program**

ID# **071000147**

Sponsor (name of entity, not person) **Roscoe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative”**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Nolan** Watershed HUC# (if known) **120601020101, 120601020302, 120601020303**

Drainage area (Square miles, est.) **3** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **322** # of structures **194** Critical facilities **1**

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

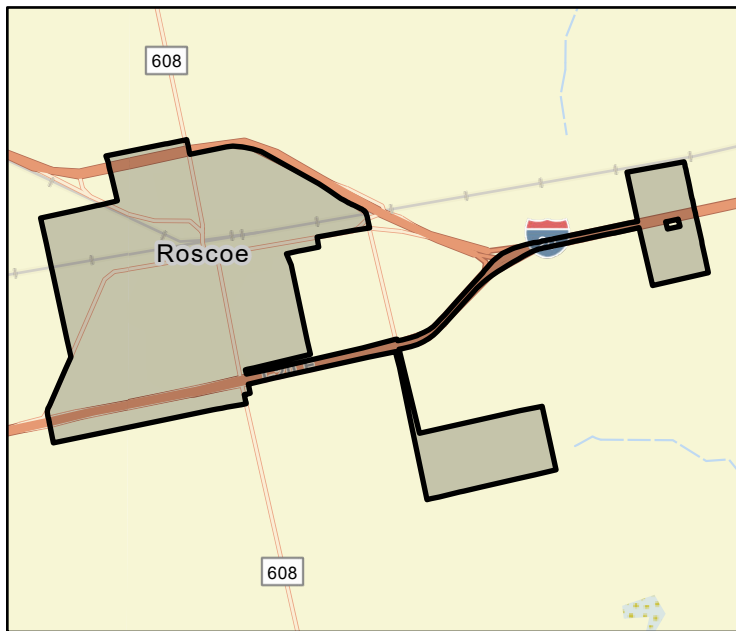
Farm/Ranch land impacted (acres) **380** Roadway(s) impacted (length) **11**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Roscoe Relocate Critical Facilities High Hazard**  
ID# **071000148**  
Sponsor (name of entity, not person) **Roscoe (Municipality)**  
RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

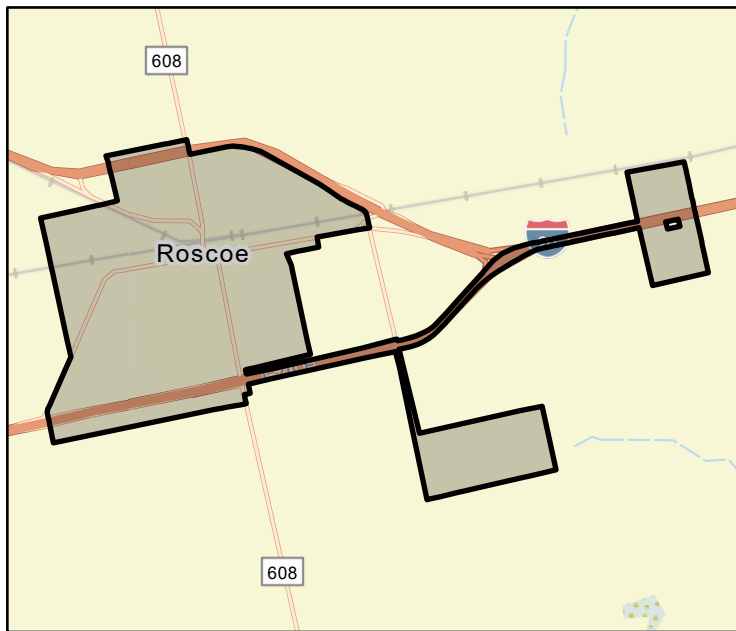
Study type **Project Planning**  
Study description **Relocate critical facilities out of high hazard areas.**  
New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**  
County **Nolan** Watershed HUC# (if known) **120601020101, 120601020302, 120601020303**  
Drainage area (Square miles, est.) **3** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **322** # of structures **194** Critical facilities **1**  
Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**  
Farm/Ranch land impacted (acres) **380** Roadway(s) impacted (length) **11**  
Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **\$0** Federal funding availability **No**  
Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Roscoe Stream Restoration Program**

ID# **071000149**

Sponsor (name of entity, not person) **Roscoe (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Nolan** Watershed HUC# (if known) **120601020101, 120601020302, 120601020303**

Drainage area (Square miles, est.) **3** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **322** # of structures **194** Critical facilities **1**

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

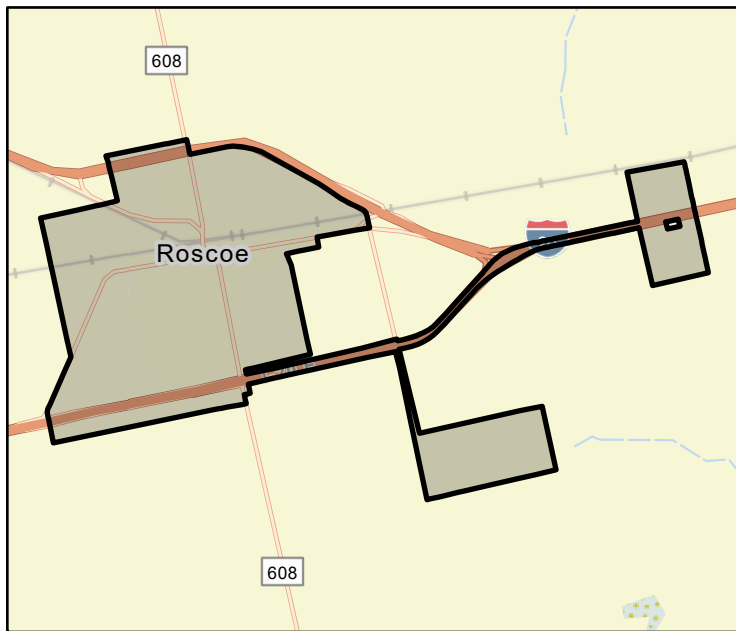
Farm/Ranch land impacted (acres) **380** Roadway(s) impacted (length) **11**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Rotan Higher Standards Program**

ID# **071000150**

Sponsor (name of entity, not person) **Rotan (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative”**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Fisher** Watershed HUC# (if known) **120500040607, 120500040704, 120500040801, 120500040802,**

Drainage area (Square miles, est.) **900** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **89** # of structures **120** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **23,747** Roadway(s) impacted (length) **89**

Number of low water crossings **0** Historical road closures **0**

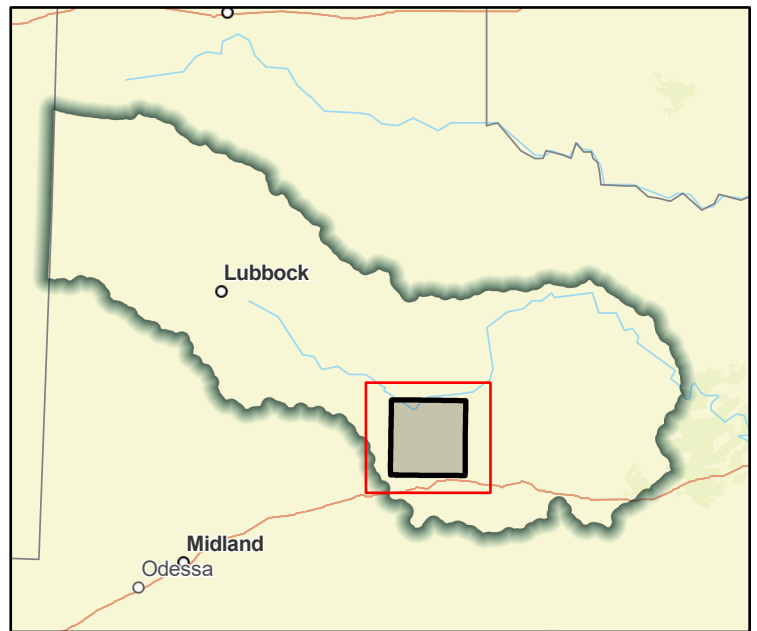
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **City of Seymour DMP**

ID# **071000048**

Sponsor (name of entity, not person) **Seymour (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate city to analyze roads/stream crossing for emergency response vehicles to high hazard areas. Evaluate city storm infrastructure for deficiencies.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Baylor** Watershed HUC# (if known) **111302060104, 111302060106, 120601010602**

Drainage area (Square miles, est.) **3** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **592** # of structures **195** Critical facilities **0**

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

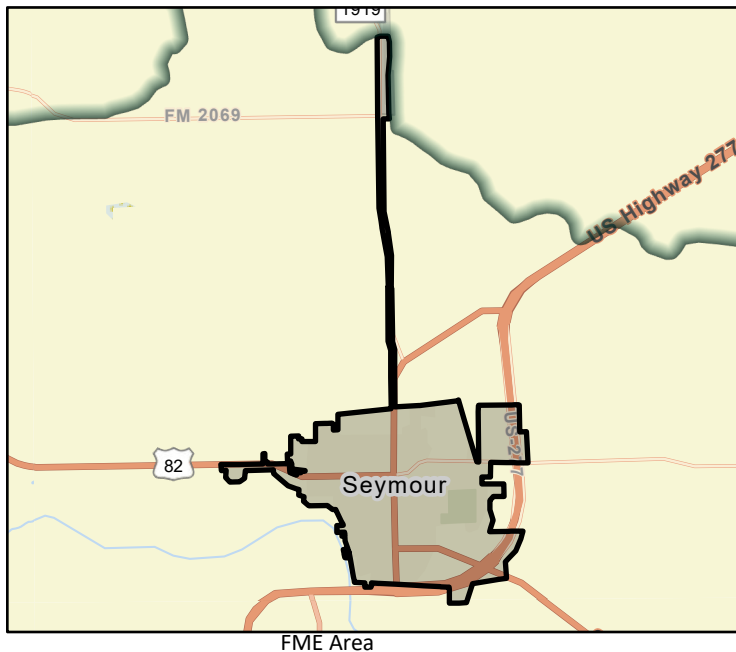
Farm/Ranch land impacted (acres) **43** Roadway(s) impacted (length) **8**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



# Flood Management Evaluation (FME)



Title **City of Slaton School Campus Drainage Program**

ID# **071000151**

Sponsor (name of entity, not person) **Slaton (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Install water drainage system at campuses as backup in severe weather events**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lubbock** Watershed HUC# (if known) **120500030104, 120500030203, 120500030307, 120500030402**

Drainage area (Square miles, est.) **5** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **180** # of structures **125** Critical facilities **0**

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

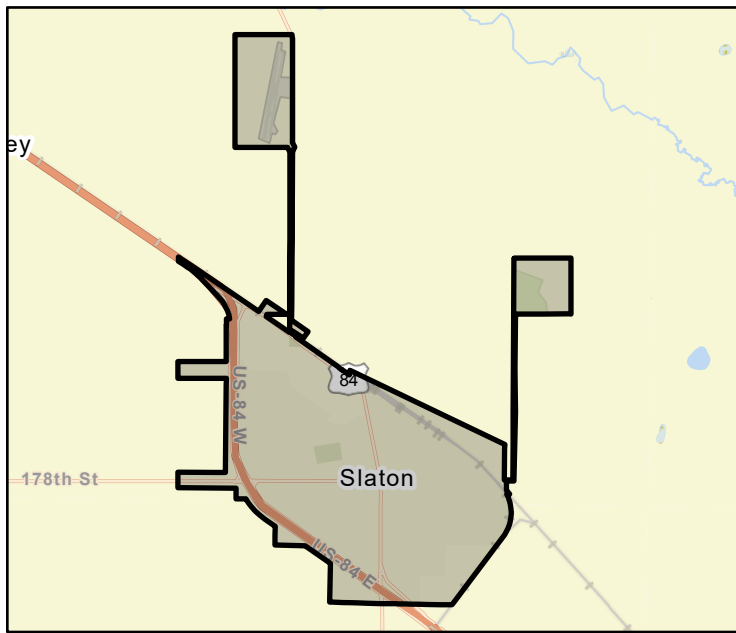
Farm/Ranch land impacted (acres) **101** Roadway(s) impacted (length) **5**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$150,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Springlake DMP**

ID# **071000049**

Sponsor (name of entity, not person) **Springlake (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate City of Springlake for a Storm Water Master Plan, flood ordinances, and policies.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lamb** Watershed HUC# (if known) **120500060201, 120500060202**

Drainage area (Square miles, est.) **1** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **2** # of structures **2** Critical facilities **0**

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

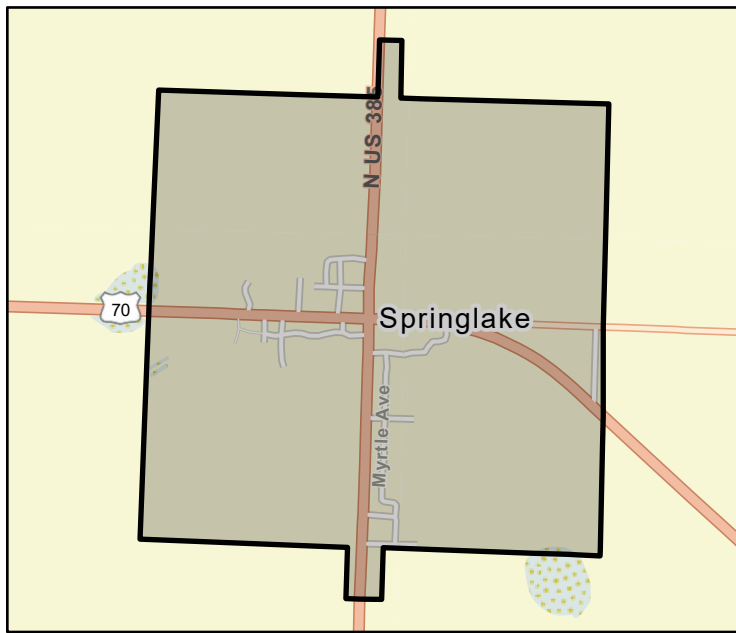
Farm/Ranch land impacted (acres) **3** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Spur DMP**

ID# **071000050**

Sponsor (name of entity, not person) **Spur (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Emulate the City of Spur storm infrastructure. Determine level of service, recommend improvements.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Dickens** Watershed HUC# (if known) **120500070404, 120500070405, 120500070406**

Drainage area (Square miles, est.) **2** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **37** # of structures **57** Critical facilities **0**

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

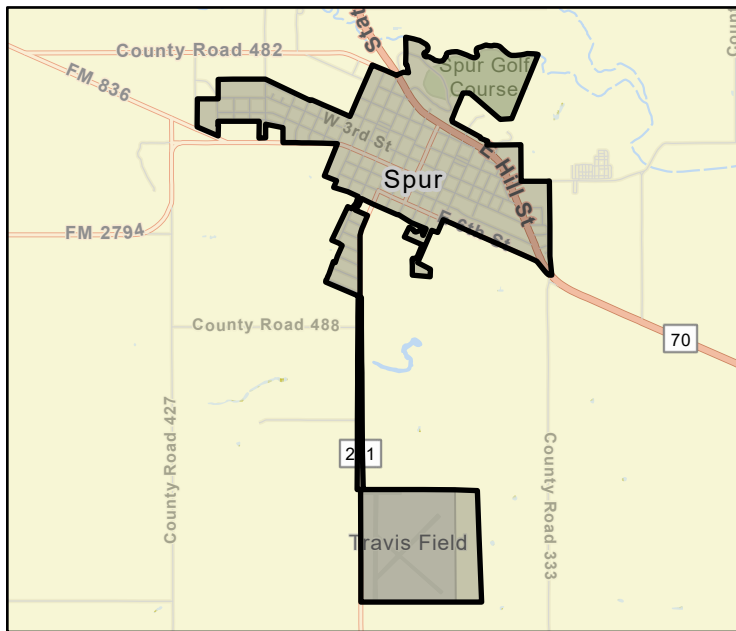
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **3**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **City of Sudan DMP**

ID# **071000051**

Sponsor (name of entity, not person) **Sudan (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate City of Sudan for a Storm Water Master Plan, flood ordinances, and policies.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lamb** Watershed HUC# (if known) **120500011103, 120500020411**

Drainage area (Square miles, est.) **1** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **634** # of structures **70** Critical facilities **3**

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

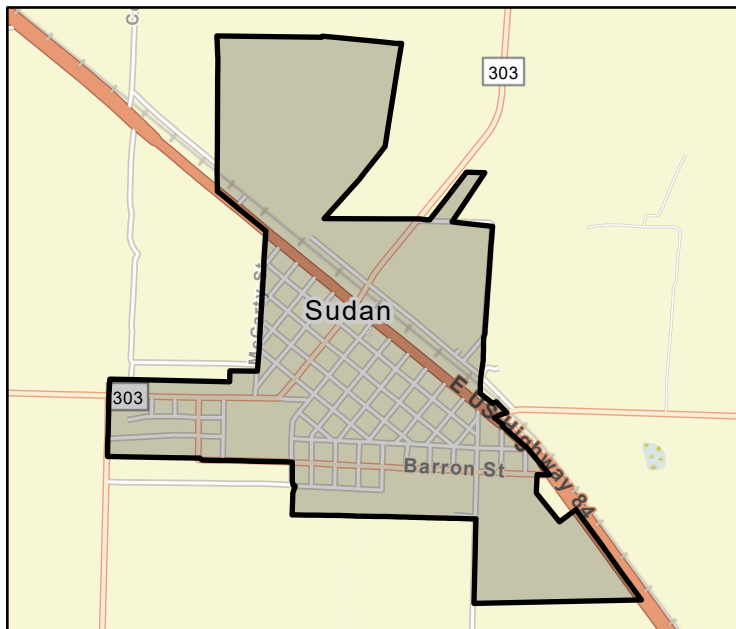
Farm/Ranch land impacted (acres) **5** Roadway(s) impacted (length) **5**

Number of low water crossings **0** Historical road closures **0**

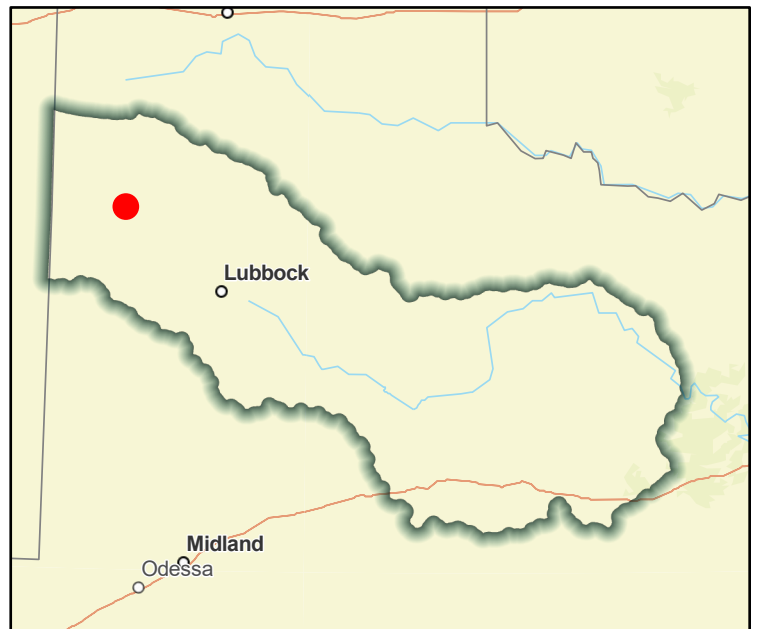
## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Sweetwater DCM**

ID# **071000152**

Sponsor (name of entity, not person) **Sweetwater (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Nolan** Watershed HUC# (if known) **120601020302, 120601020303, 120601020304**

Drainage area (Square miles, est.) **11** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **4** # of structures **8** Critical facilities **0**

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

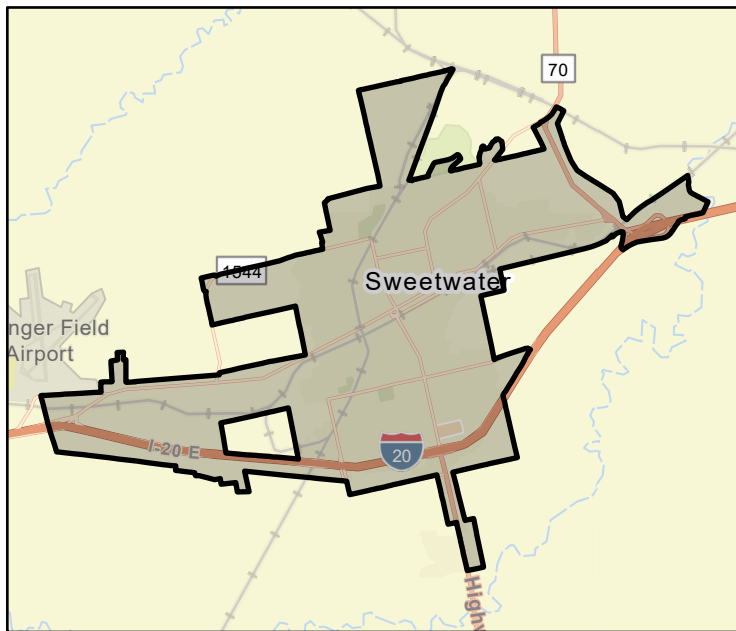
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **2**

Number of low water crossings **4** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Sweetwater DMP**

ID# **071000052**

Sponsor (name of entity, not person) **Sweetwater (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Nolan** Watershed HUC# (if known) **120601020302, 120601020303, 120601020304**

Drainage area (Square miles, est.) **11** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **4** # of structures **8** Critical facilities **0**

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

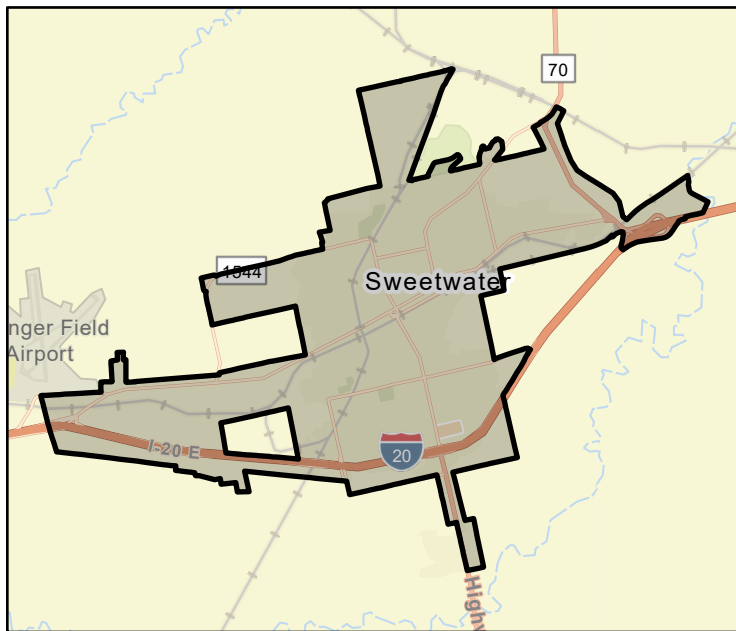
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **2**

Number of low water crossings **4** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Tahoka DMP**

ID# **071000053**

Sponsor (name of entity, not person) **Tahoka (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate City of Tahoka for a Storm Water Master Plan, flood ordinances, and policies.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lynn** Watershed HUC# (if known) **120500040304**

Drainage area (Square miles, est.) **2** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **26** # of structures **17** Critical facilities **0**

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

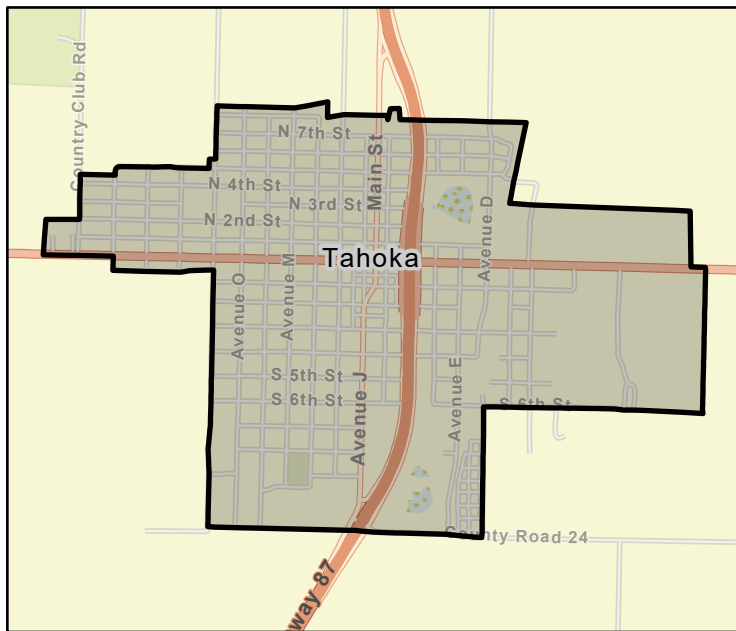
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **8**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend?  Yes Reason for Recommendation  Alignment with Region Goals

## Study Details

Study type

Study description

New Hydrologic or Hydraulic model?  Yes Emergency Need?  No Existing/Anticipated models in near term?  Yes

County  Watershed HUC# (if known)

Drainage area (Square miles, est.)  Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  Critical facilities

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

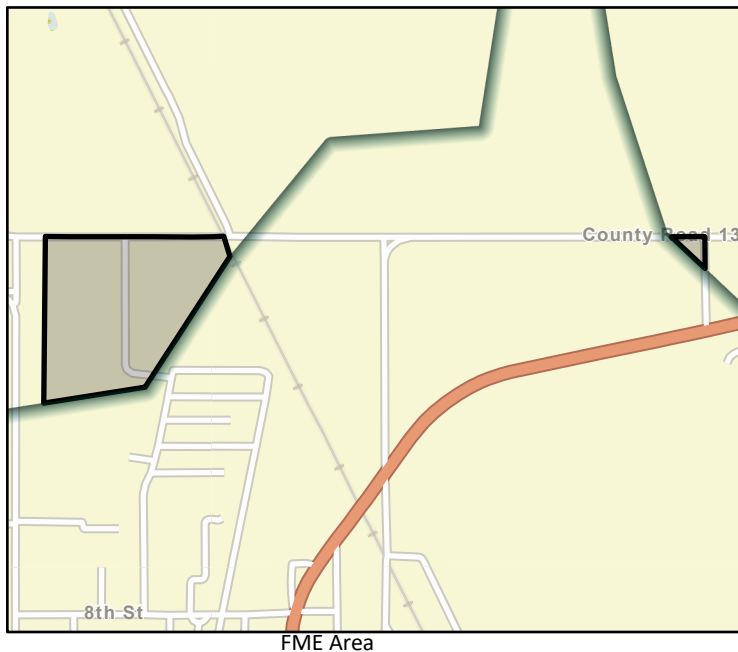
Farm/Ranch land impacted (acres)  Roadway(s) impacted (length)

Number of low water crossings  Historical road closures

## Estimated Cost and Funding Availability

Total Cost  Amount of Available Funding  Federal funding availability  No

Funding source



# Flood Management Evaluation (FME)



Title **City of Tuscola Flood Protection Lift Station Program**

ID# **071000153**

Sponsor (name of entity, not person) **Tuscola (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Taylor** Watershed HUC# (if known) **120601020708, 120901080101**

Drainage area (Square miles, est.) **0** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

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

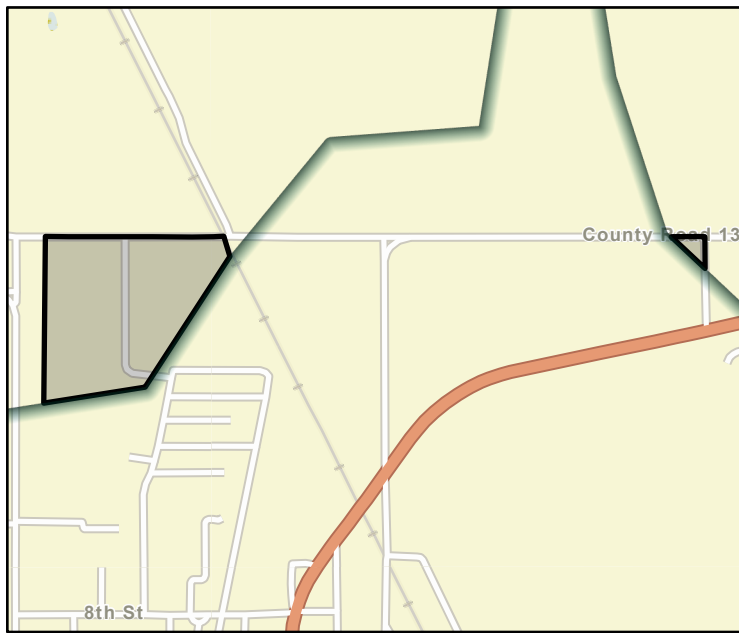
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

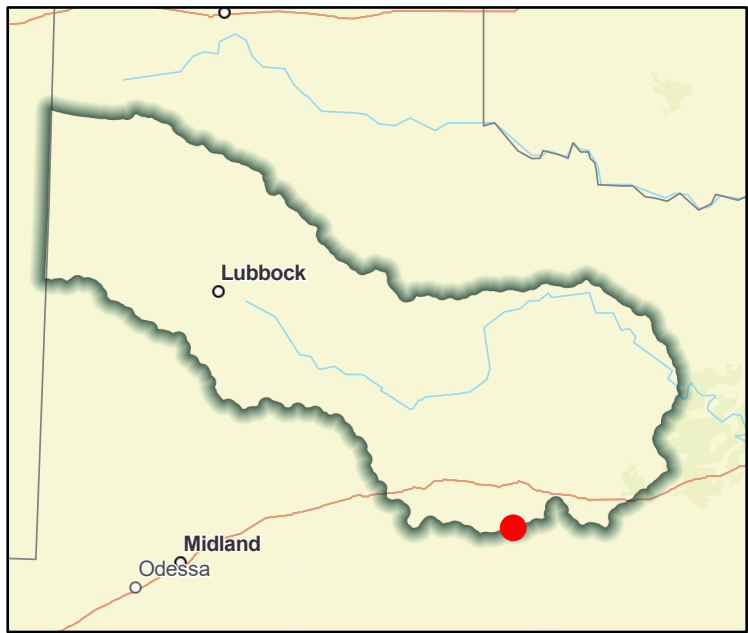
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Tye Buyout Program**

ID# **071000154**

Sponsor (name of entity, not person) **Tye (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Develop a land acquisition program in flood hazard areas.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Taylor** Watershed HUC# (if known) **120601020503, 120601020705, 120601020706**

Drainage area (Square miles, est.) **5** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **5** # of structures **5** Critical facilities **0**

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

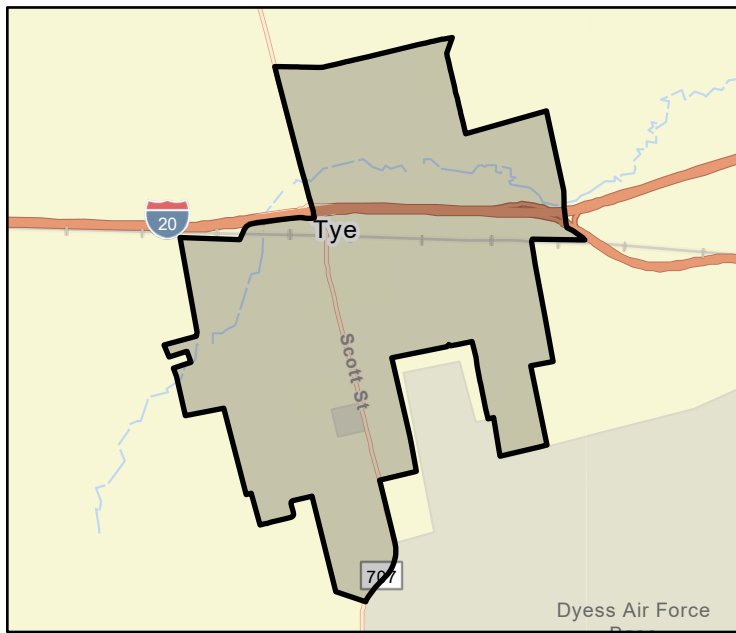
Farm/Ranch land impacted (acres) **63** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title

ID#

Sponsor (name of entity, not person)

RFPG recommend?  Yes Reason for Recommendation  Alignment with Region Goals

## Study Details

Study type

Study description

New Hydrologic or Hydraulic model?  Yes Emergency Need?  No Existing/Anticipated models in near term?  Yes

County  Watershed HUC# (if known)

Drainage area (Square miles, est.)  Goal(s)

## 100-Year Flood Risk Summary

Population at risk  # of structures  Critical facilities

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

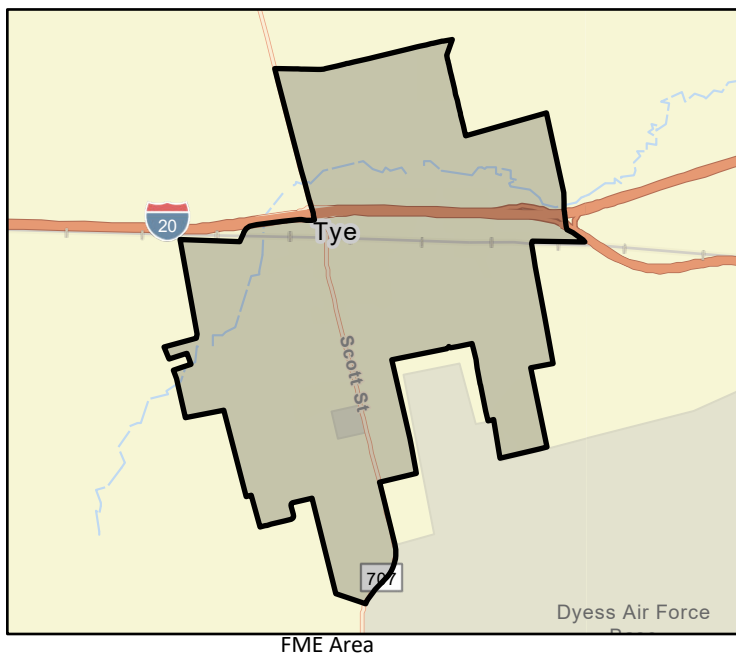
Farm/Ranch land impacted (acres)  Roadway(s) impacted (length)

Number of low water crossings  Historical road closures

## Estimated Cost and Funding Availability

Total Cost  Amount of Available Funding  Federal funding availability  No

Funding source





# Flood Management Evaluation (FME)



Title **City of Tye Floodplain Open Space Program**

ID# **071000155**

Sponsor (name of entity, not person) **Tye (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Taylor** Watershed HUC# (if known) **120601020503, 120601020705, 120601020706**

Drainage area (Square miles, est.) **5** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **5** # of structures **5** Critical facilities **0**

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

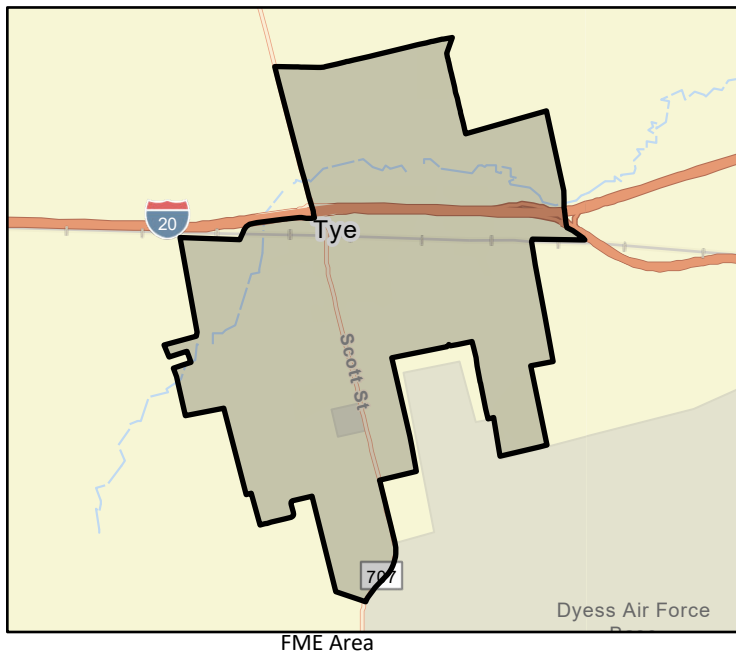
Farm/Ranch land impacted (acres) **63** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **0**

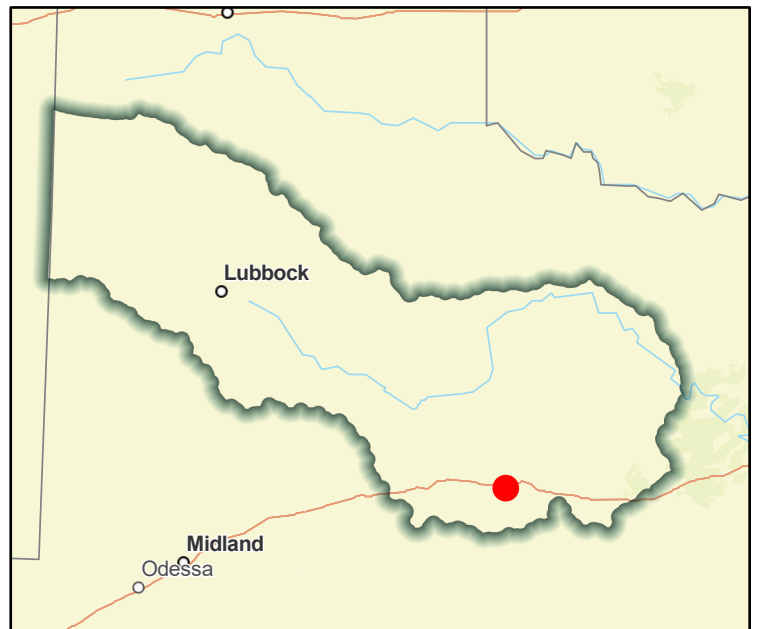
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Wilson DMP**  
ID# **071000056**  
Sponsor (name of entity, not person) **Wilson (Municipality)**  
RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

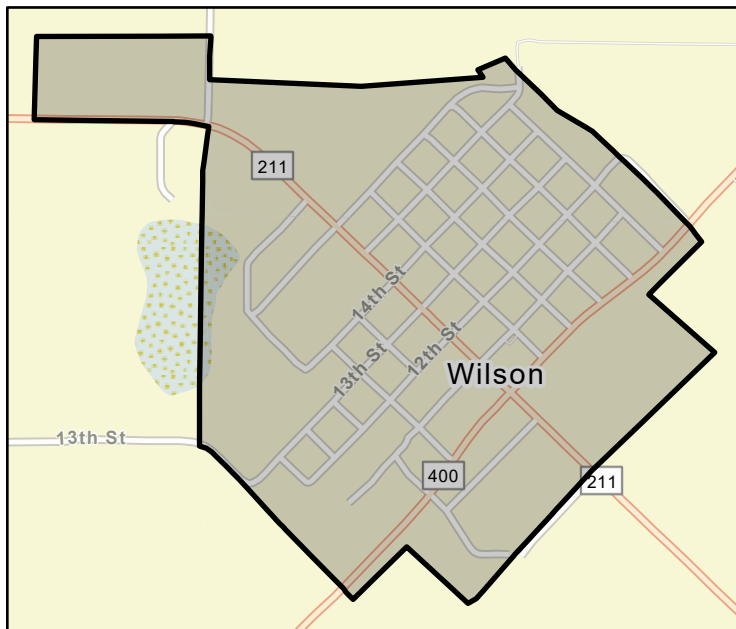
Study type **Watershed Planning**  
Study description **Evaluate City of Wilson for a Storm Water Master Plan, flood ordinances, and policies.**  
New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**  
County **Lynn** Watershed HUC# (if known) **120500040209, 120500040401**  
Drainage area (Square miles, est.) **1** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **9** # of structures **2** Critical facilities **0**  
Flood risk type: Riverine? **No** Coastal? **No** Local? **No** Playa? **Yes** Other? **No**  
Farm/Ranch land impacted (acres) **17** Roadway(s) impacted (length) **0**  
Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**  
Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **City of Wolfforth Higher Standards Program**

ID# **071000156**

Sponsor (name of entity, not person) **Wolfforth (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a “no-rise” in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include “cumulative”**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lubbock** Watershed HUC# (if known) **120500030101, 120500030102, 120500030201, 120500030202**

Drainage area (Square miles, est.) **3** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **100** # of structures **54** Critical facilities **0**

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

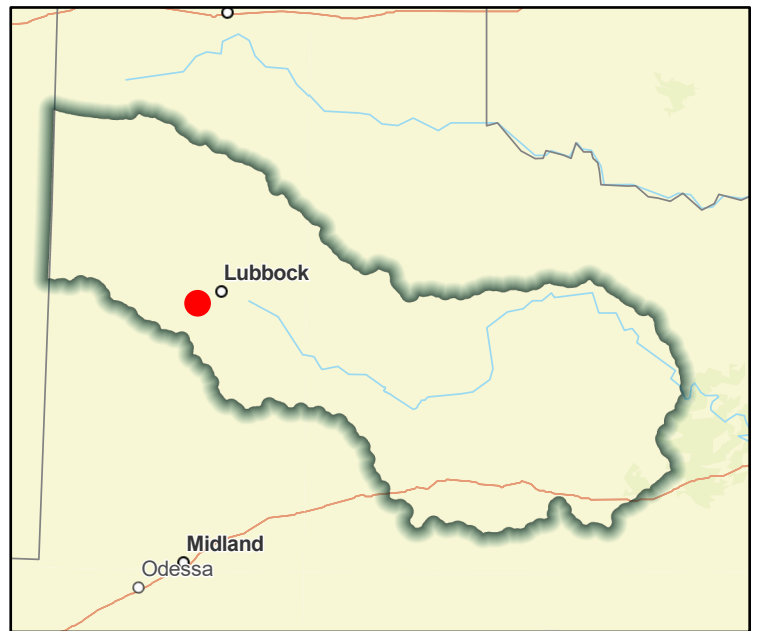
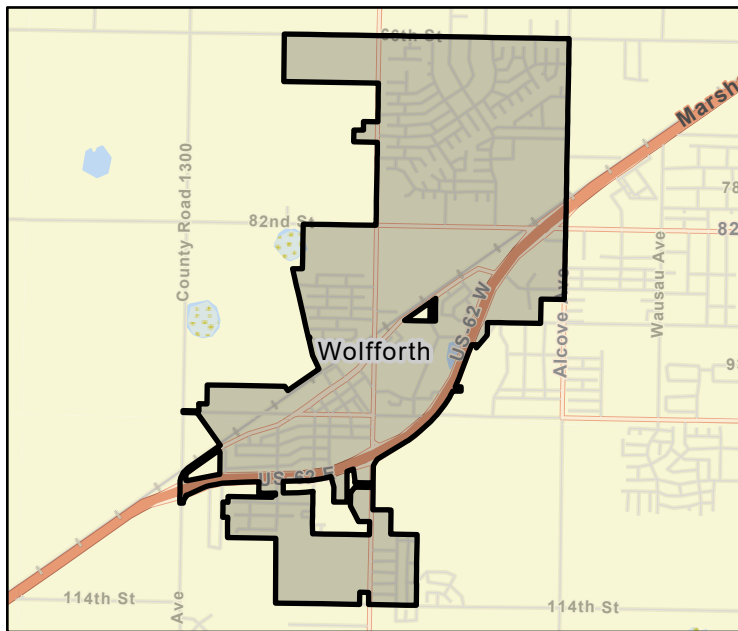
Farm/Ranch land impacted (acres) **51** Roadway(s) impacted (length) **5**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



# Flood Management Evaluation (FME)



Title Cochran County DCM  
 ID# 071000157  
 Sponsor (name of entity, not person) Cochran (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

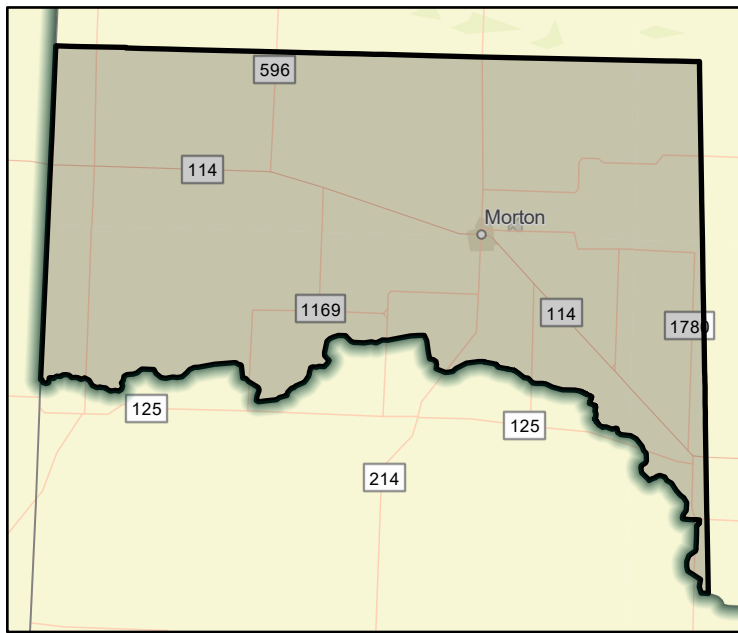
Study type Other  
 Study description Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.  
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No  
 County Cochran Watershed HUC# (if known) 120500010606, 120500010607, 120500010611, 120500010702,  
 Drainage area (Square miles, est.) 325 Goal(s) 07000083, 07000084, 07000085

## 100-Year Flood Risk Summary

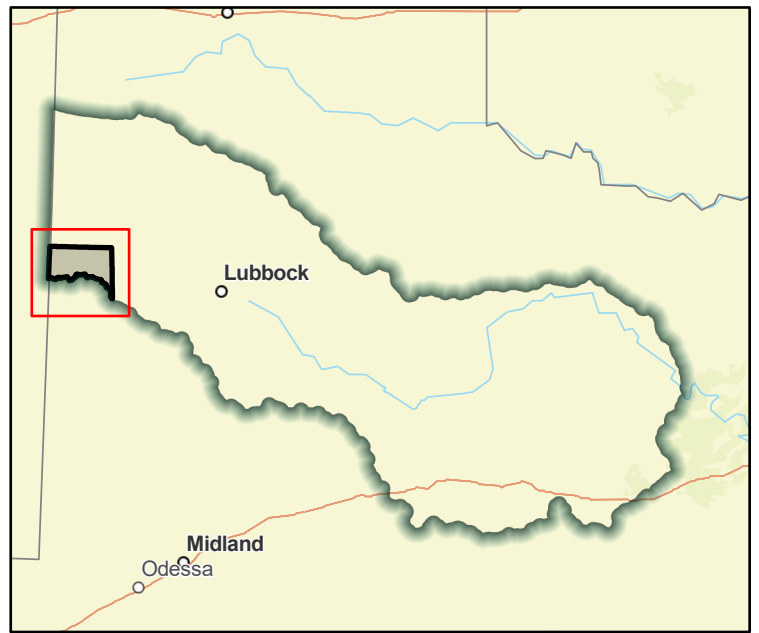
Population at risk 340 # of structures 278 Critical facilities 2  
 Flood risk type: Riverine? No Coastal? No Local? No Playa? Yes Other? No  
 Farm/Ranch land impacted (acres) 49,750 Roadway(s) impacted (length) 246  
 Number of low water crossings 1 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title Cochran County DMP  
 ID# 071000057  
 Sponsor (name of entity, not person) Cochran (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

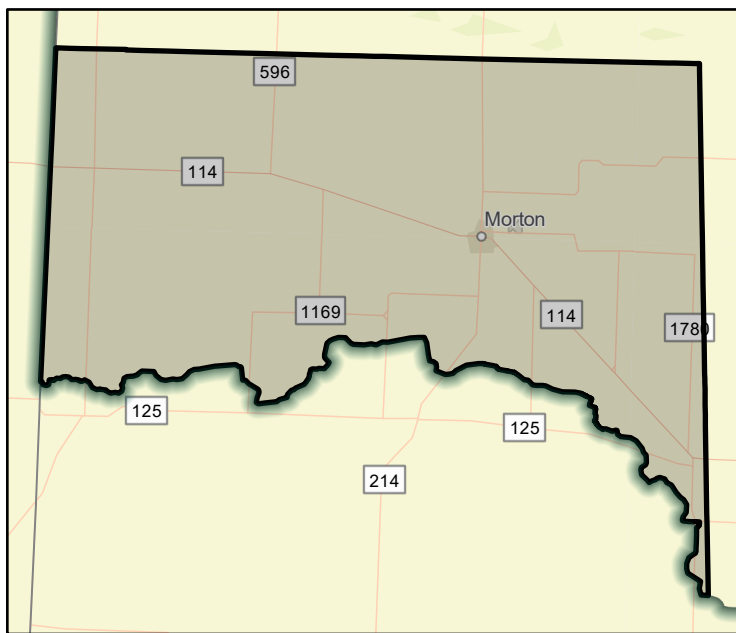
Study type Watershed Planning  
 Study description Identify bridge and culvert crossings damaged by past flooding events. Create a GIS map and assessment condition report for each structure.  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No  
 County Cochran Watershed HUC# (if known) 120500010606, 120500010607, 120500010611, 120500010702,  
 Drainage area (Square miles, est.) 325 Goal(s) 07000011, 07000012

## 100-Year Flood Risk Summary

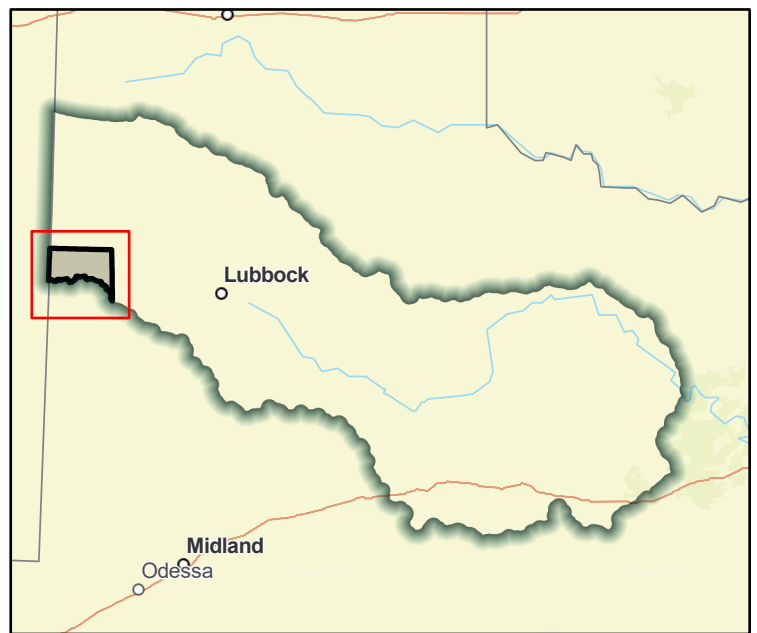
Population at risk 340 # of structures 278 Critical facilities 2  
 Flood risk type: Riverine? No Coastal? No Local? No Playa? Yes Other? No  
 Farm/Ranch land impacted (acres) 49,750 Roadway(s) impacted (length) 246  
 Number of low water crossings 1 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$500,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Cochran County GIS Development

ID# 071000090

Sponsor (name of entity, not person) Cochran (County)

RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

Study type Other

Study description Develop a GIS inventory of stormwater infrastructure

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No

County Cochran Watershed HUC# (if known) 120500010606, 120500010607, 120500010611, 120500010702,

Drainage area (Square miles, est.) 325 Goal(s) 07000011, 07000012

## 100-Year Flood Risk Summary

Population at risk 340 # of structures 278 Critical facilities 2

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

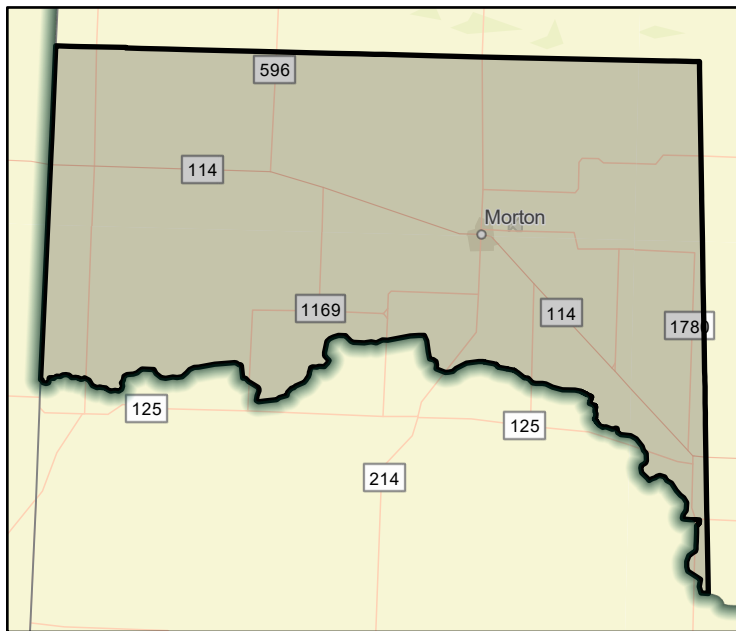
Farm/Ranch land impacted (acres) 49,750 Roadway(s) impacted (length) 246

Number of low water crossings 1 Historical road closures 0

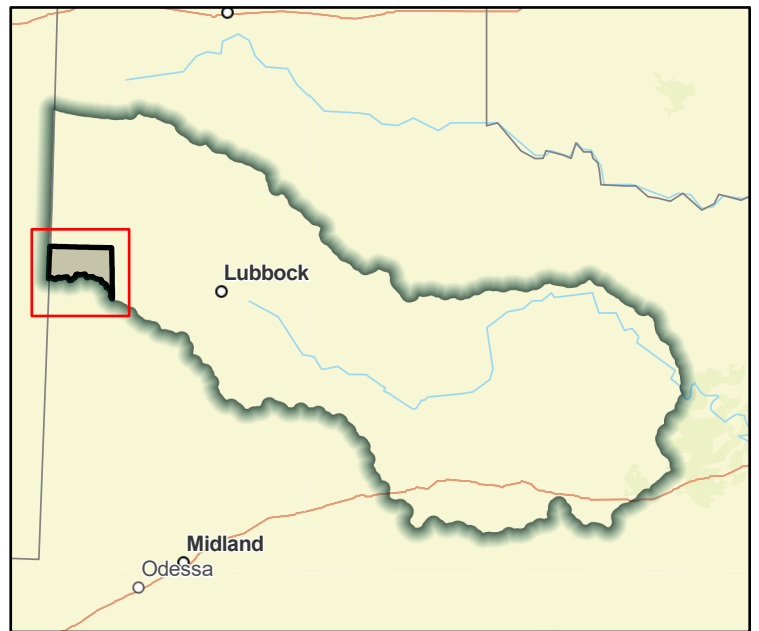
## Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding \$0 Federal funding availability No

Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Cochran County Initial FEMA Mapping  
 ID# 071000005  
 Sponsor (name of entity, not person) Cochran (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

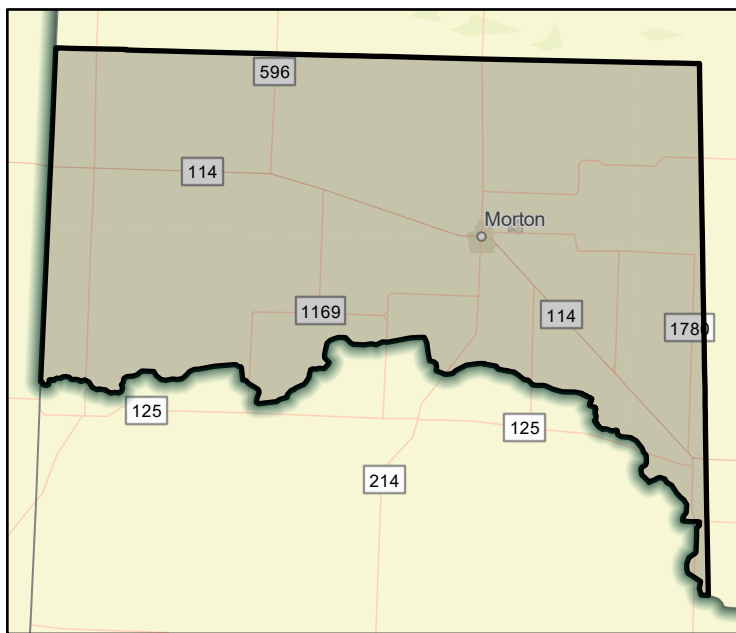
Study type Watershed Planning  
 Study description Create FEMA Mapping in previously unmapped areas  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No  
 County Cochran Watershed HUC# (if known) 120500010606, 120500010607, 120500010611, 120500010702,  
 Drainage area (Square miles, est.) 325 Goal(s) 07000011, 07000012

## 100-Year Flood Risk Summary

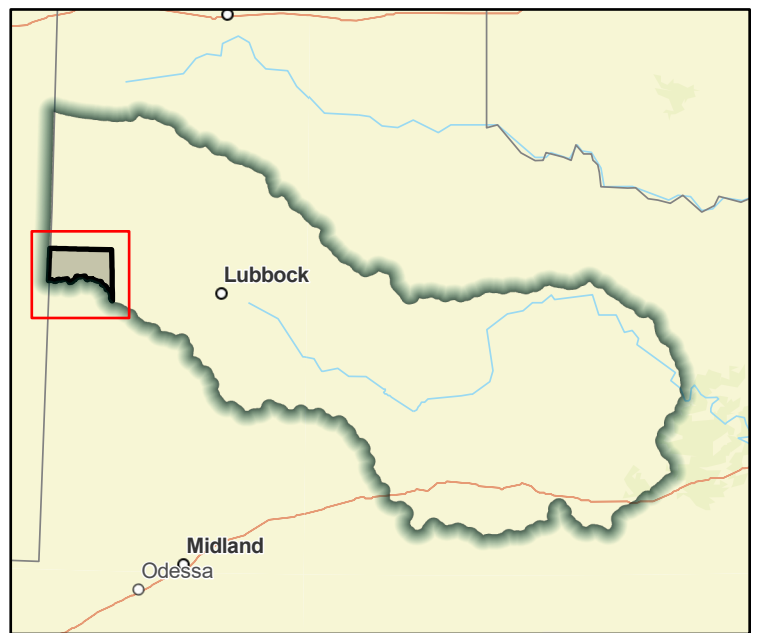
Population at risk 340 # of structures 278 Critical facilities 2  
 Flood risk type: Riverine? No Coastal? No Local? No Playa? Yes Other? No  
 Farm/Ranch land impacted (acres) 49,750 Roadway(s) impacted (length) 246  
 Number of low water crossings 1 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$671,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Crosby County DCM  
 ID# 071000158  
 Sponsor (name of entity, not person) Crosby (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

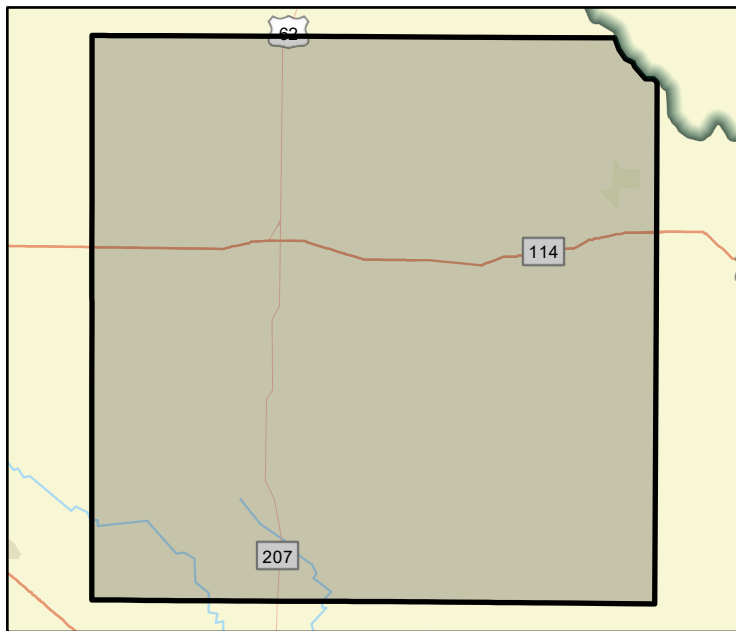
Study type Other  
 Study description Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.  
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No  
 County Crosby Watershed HUC# (if known) 111301040202, 120500030203, 120500030305, 120500030306,  
 Drainage area (Square miles, est.) 896 Goal(s) 07000083, 07000084, 07000085

## 100-Year Flood Risk Summary

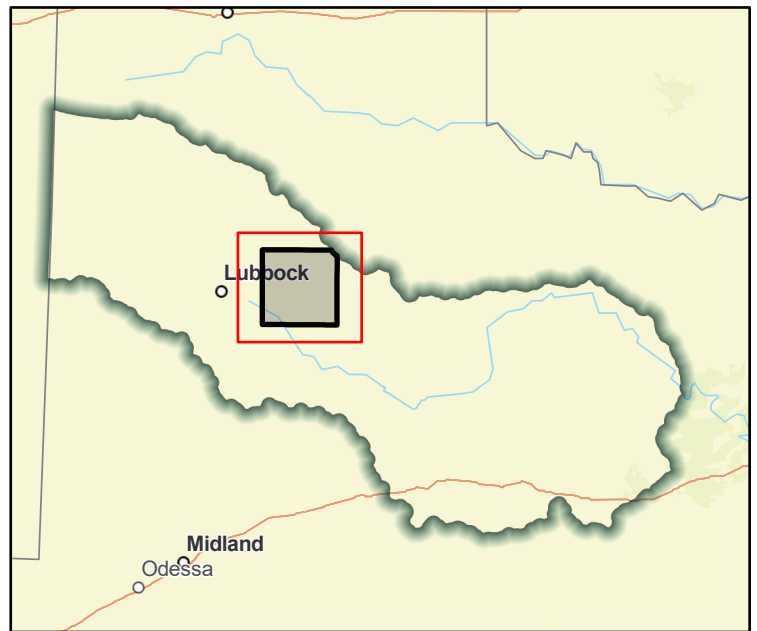
Population at risk 325 # of structures 279 Critical facilities 2  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? Yes Other? No  
 Farm/Ranch land impacted (acres) 45,936 Roadway(s) impacted (length) 350  
 Number of low water crossings 6 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title Crosby County GIS Development  
 ID# 071000091  
 Sponsor (name of entity, not person) Crosby (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

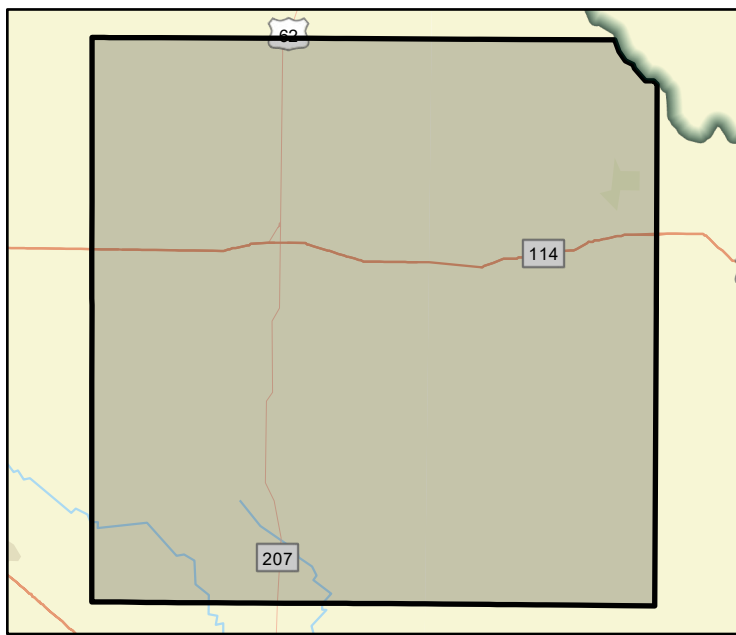
Study type Other  
 Study description Develop a GIS inventory of stormwater infrastructure  
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No  
 County Crosby Watershed HUC# (if known) 111301040202, 120500030203, 120500030305, 120500030306,  
 Drainage area (Square miles, est.) 896 Goal(s) 07000011, 07000012

## 100-Year Flood Risk Summary

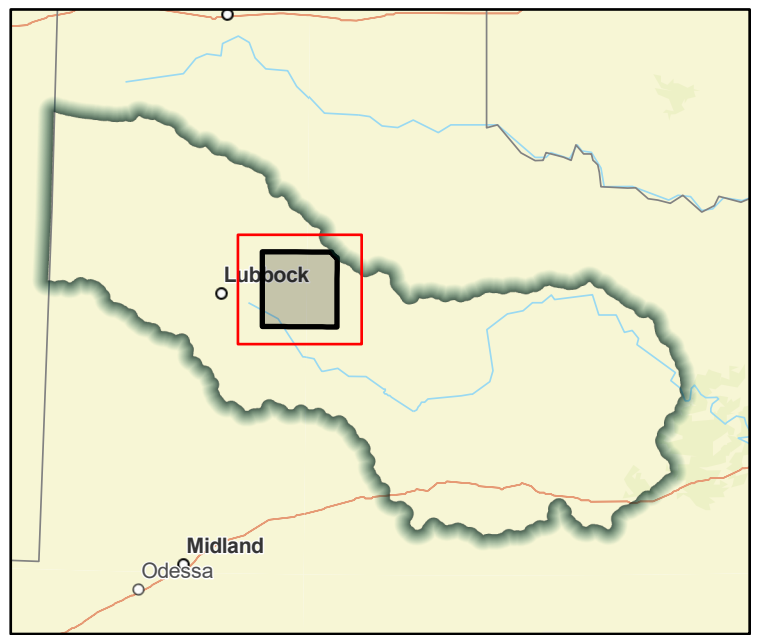
Population at risk 325 # of structures 279 Critical facilities 2  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? Yes Other? No  
 Farm/Ranch land impacted (acres) 45,936 Roadway(s) impacted (length) 350  
 Number of low water crossings 6 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Crosby County Initial FEMA Mapping  
 ID# 071000006  
 Sponsor (name of entity, not person) Crosby (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

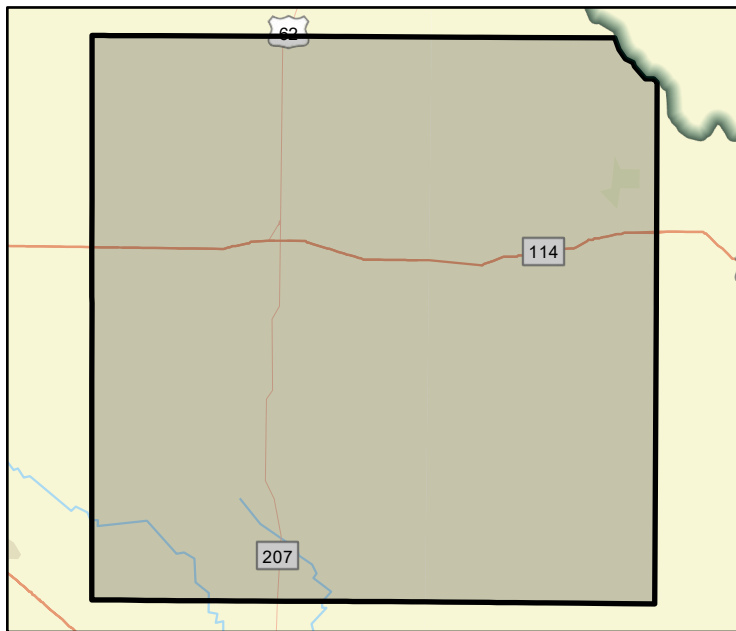
Study type Watershed Planning  
 Study description Create FEMA Mapping in previously unmapped areas  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No  
 County Crosby Watershed HUC# (if known) 111301040202, 120500030203, 120500030305, 120500030306,  
 Drainage area (Square miles, est.) 896 Goal(s) 07000011, 07000012

## 100-Year Flood Risk Summary

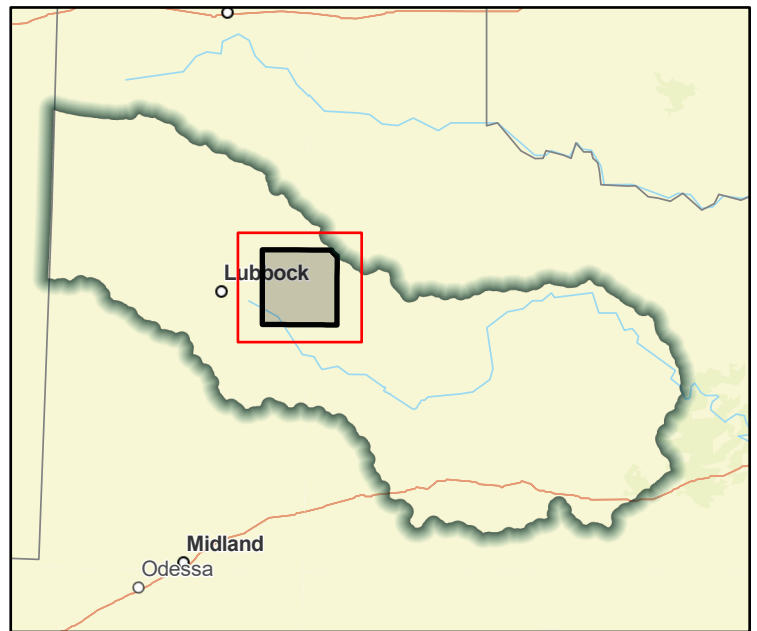
Population at risk 325 # of structures 279 Critical facilities 2  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? Yes Other? No  
 Farm/Ranch land impacted (acres) 45,936 Roadway(s) impacted (length) 350  
 Number of low water crossings 6 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$834,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **CRP Grass Flood Area**

ID# **071000216**

Sponsor (name of entity, not person) **Hockley (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Grass Program causes road to flood**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Hockley** Watershed HUC# (if known) **120500011201, 120500011202, 120500040201, 120500040203**

Drainage area (Square miles, est.) **27** Goal(s) **07000021, 07000022, 07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **24** # of structures **12** Critical facilities **0**

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

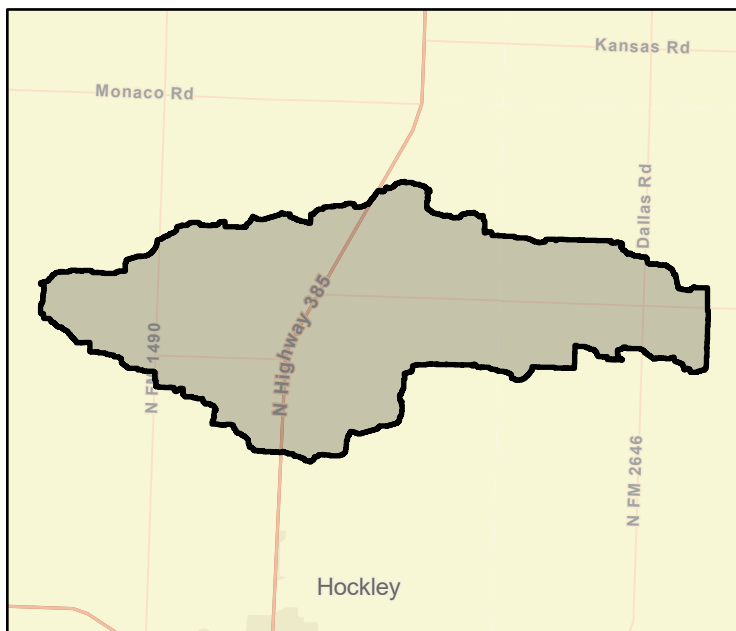
Farm/Ranch land impacted (acres) **927** Roadway(s) impacted (length) **15**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Dawson County DCM**

ID# **071000159**

Sponsor (name of entity, not person) **Dawson (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Dawson** Watershed HUC# (if known) **120500040305, 120500040306, 120800020102, 120800020105,**

Drainage area (Square miles, est.) **4** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

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

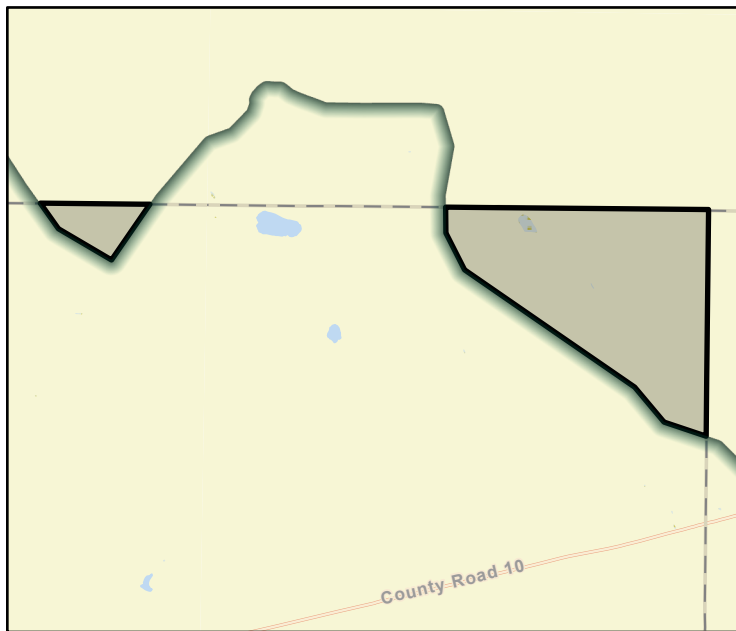
Farm/Ranch land impacted (acres) **158** Roadway(s) impacted (length) **3**

Number of low water crossings **0** Historical road closures **0**

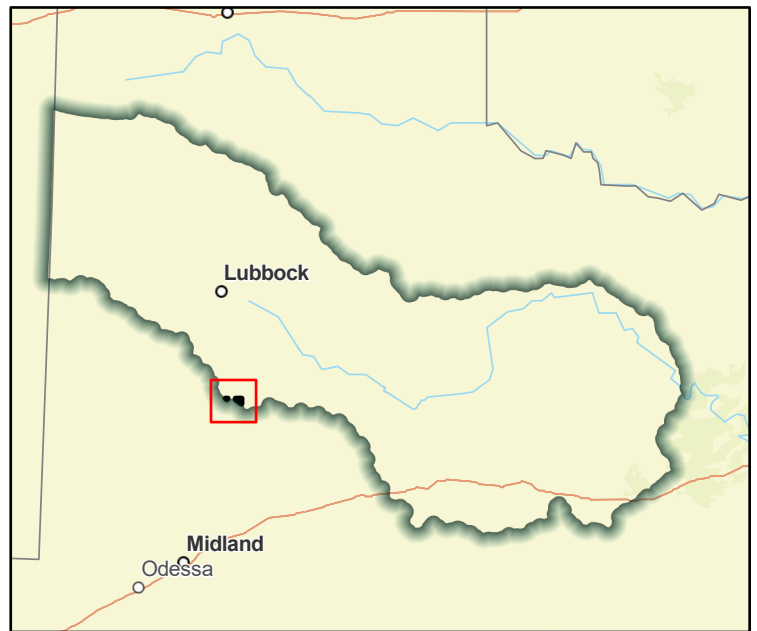
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Dawson County GIS Development**

ID# **071000092**

Sponsor (name of entity, not person) **Dawson (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Dawson** Watershed HUC# (if known) **120500040305, 120500040306, 120800020102, 120800020105,**

Drainage area (Square miles, est.) **4** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

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

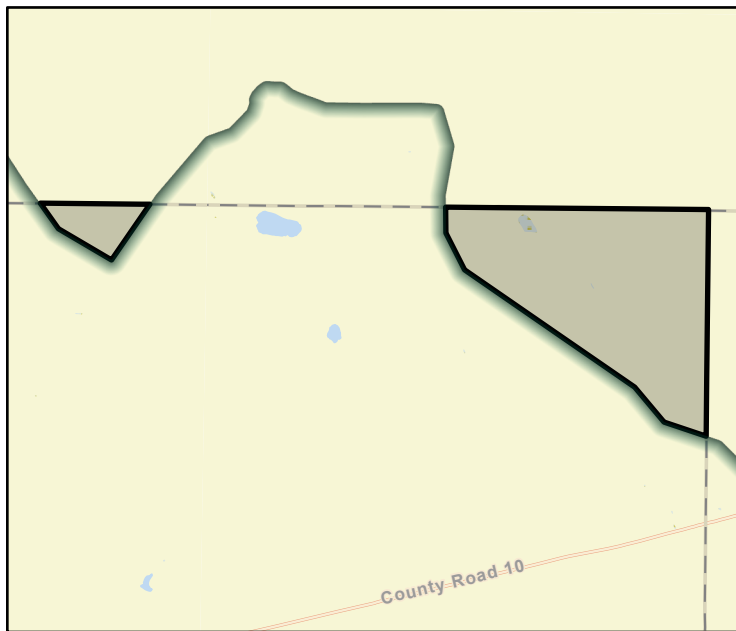
Farm/Ranch land impacted (acres) **158** Roadway(s) impacted (length) **3**

Number of low water crossings **0** Historical road closures **0**

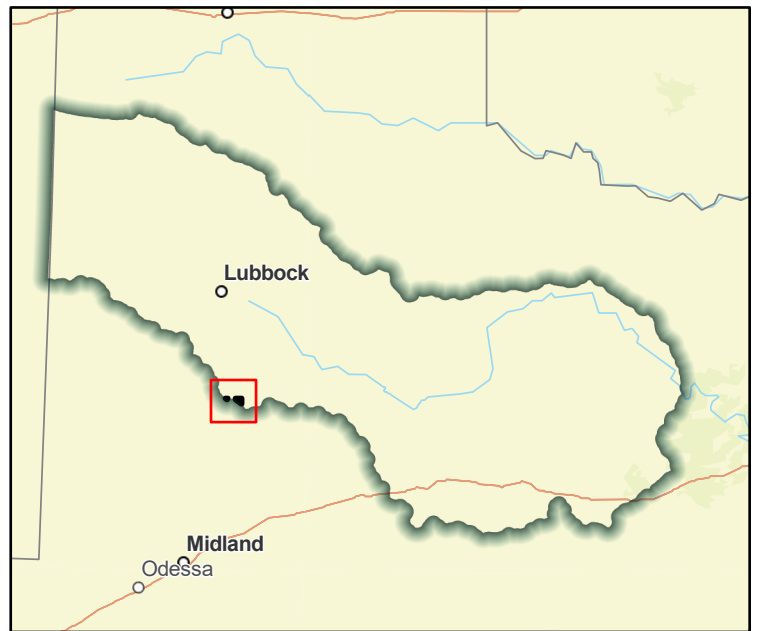
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Dickens County DCM**

ID# **071000160**

Sponsor (name of entity, not person) **Dickens (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Dickens** Watershed HUC# (if known) **111301040202, 111301040203, 111301040206, 111301040207,**

Drainage area (Square miles, est.) **573** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **125** # of structures **195** Critical facilities **1**

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

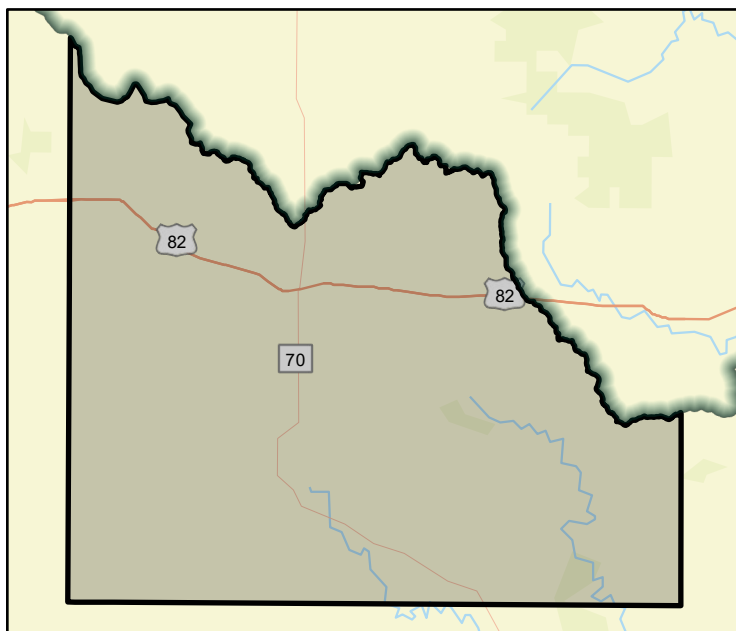
Farm/Ranch land impacted (acres) **15,575** Roadway(s) impacted (length) **112**

Number of low water crossings **2** Historical road closures **0**

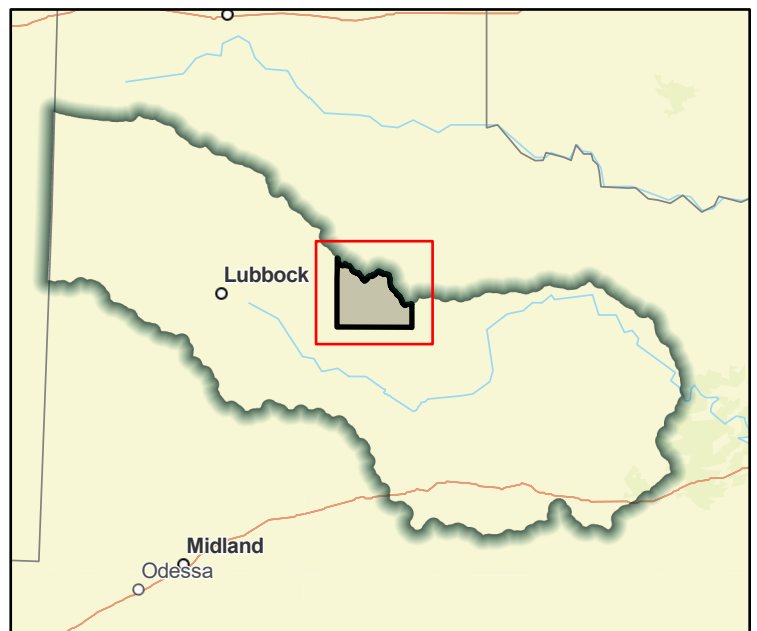
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Dickens County DMP**

ID# **071000058**

Sponsor (name of entity, not person) **Dickens (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Dickens** Watershed HUC# (if known) **111301040202, 111301040203, 111301040206, 111301040207,**

Drainage area (Square miles, est.) **573** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **125** # of structures **195** Critical facilities **1**

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

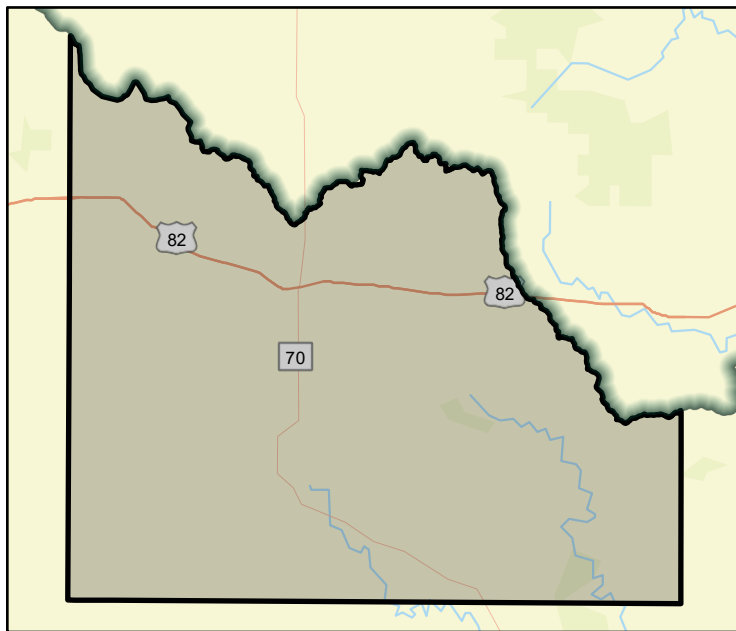
Farm/Ranch land impacted (acres) **15,575** Roadway(s) impacted (length) **112**

Number of low water crossings **2** Historical road closures **0**

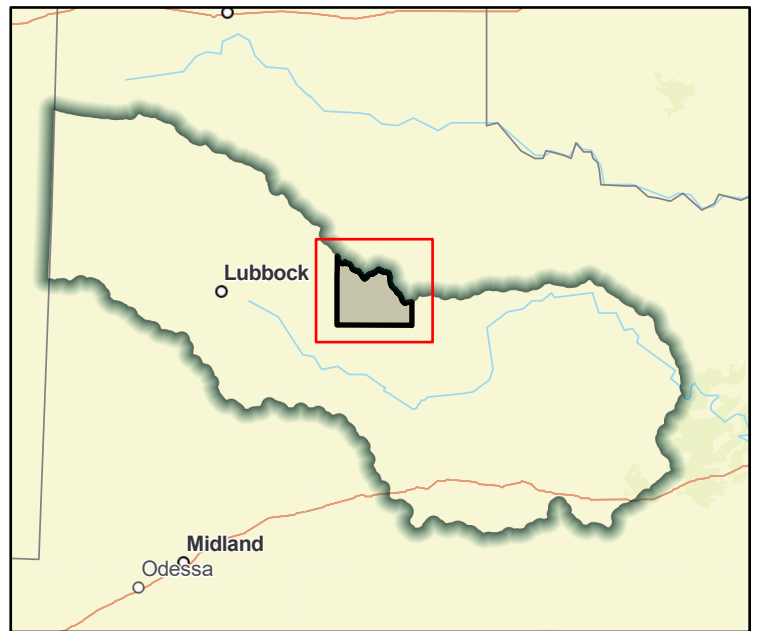
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Dickens County GIS Development**

ID# **071000093**

Sponsor (name of entity, not person) **Dickens (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Dickens** Watershed HUC# (if known) **111301040202, 111301040203, 111301040206, 111301040207,**

Drainage area (Square miles, est.) **573** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **125** # of structures **195** Critical facilities **1**

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

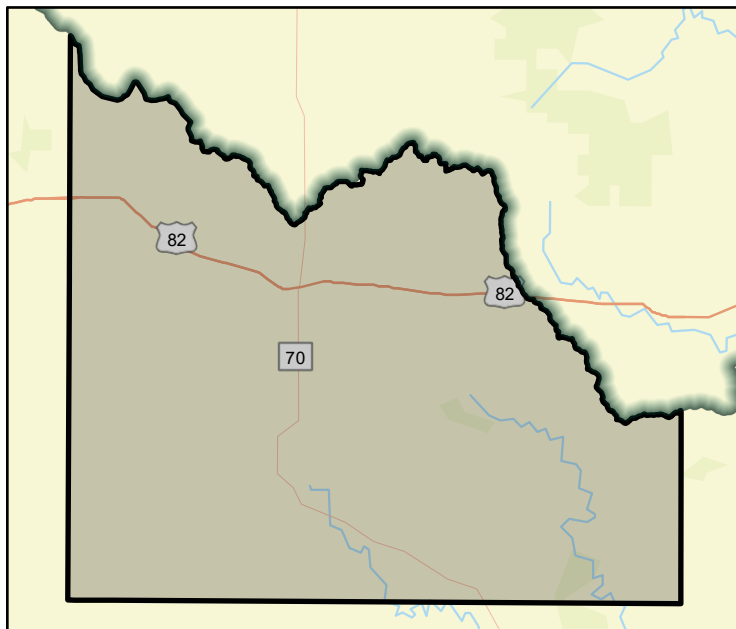
Farm/Ranch land impacted (acres) **15,575** Roadway(s) impacted (length) **112**

Number of low water crossings **2** Historical road closures **0**

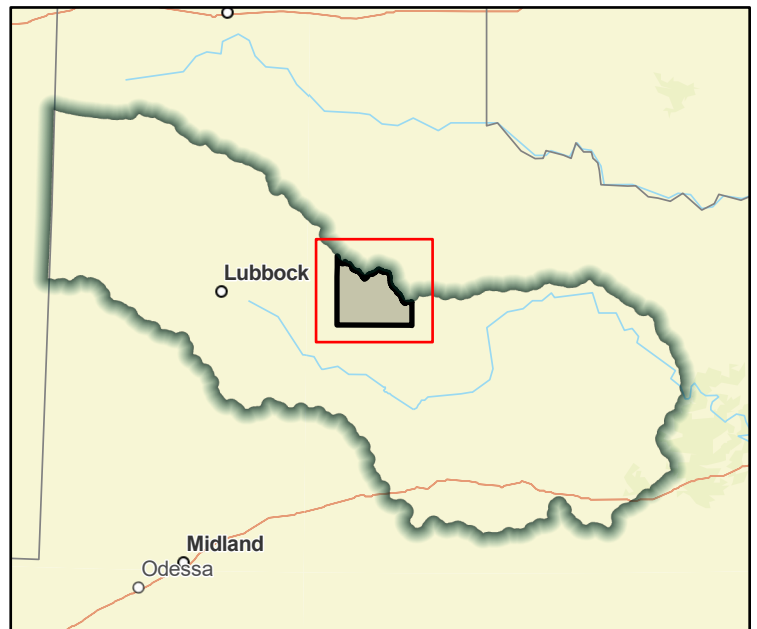
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Dickens County Initial FEMA Mapping**

ID# **071000007**

Sponsor (name of entity, not person) **Dickens (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Create FEMA Mapping in previously unmapped areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Dickens** Watershed HUC# (if known) **111301040202, 111301040203, 111301040206, 111301040207,**

Drainage area (Square miles, est.) **573** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **125** # of structures **195** Critical facilities **1**

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

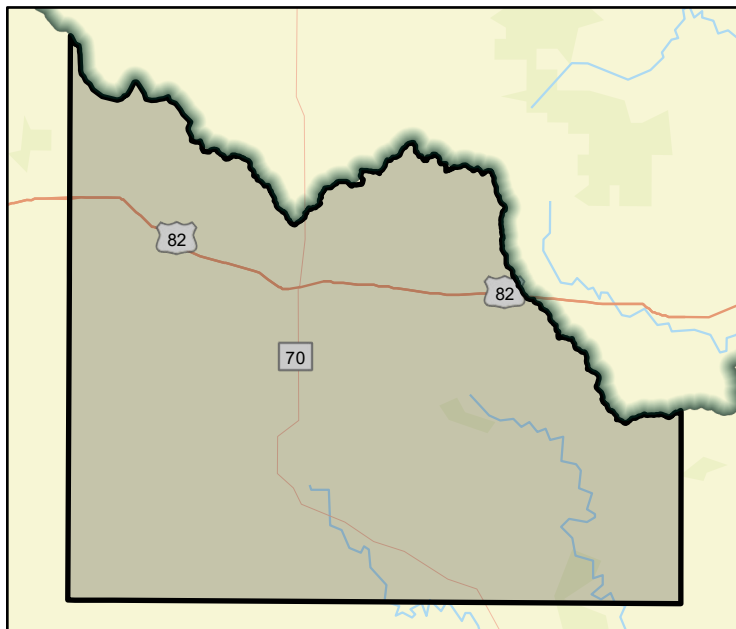
Farm/Ranch land impacted (acres) **15,575** Roadway(s) impacted (length) **112**

Number of low water crossings **2** Historical road closures **0**

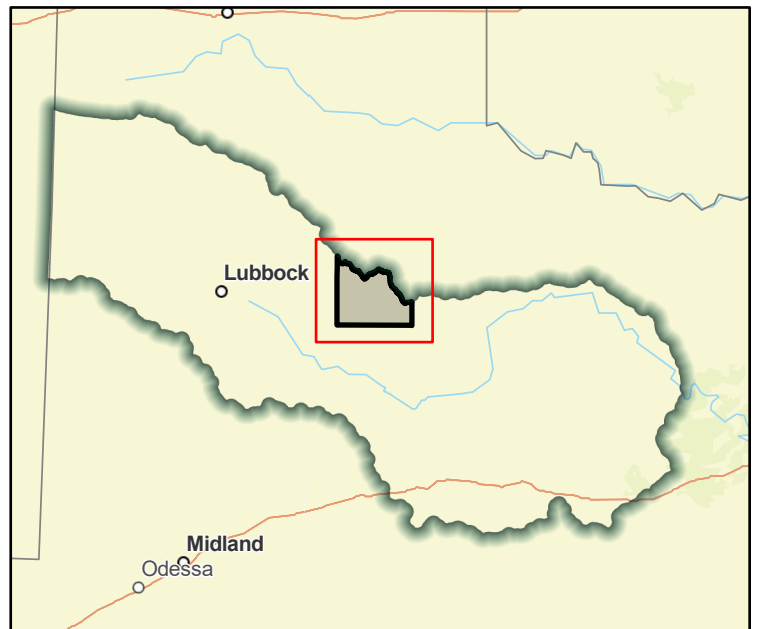
## Estimated Cost and Funding Availability

Total Cost **\$919,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Eastland County DCM**

ID# **071000161**

Sponsor (name of entity, not person) **Eastland (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Eastland** Watershed HUC# (if known) **120601050401, 120601050402, 120601050403, 120601050404,**

Drainage area (Square miles, est.) **125** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **135** # of structures **116** Critical facilities **0**

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

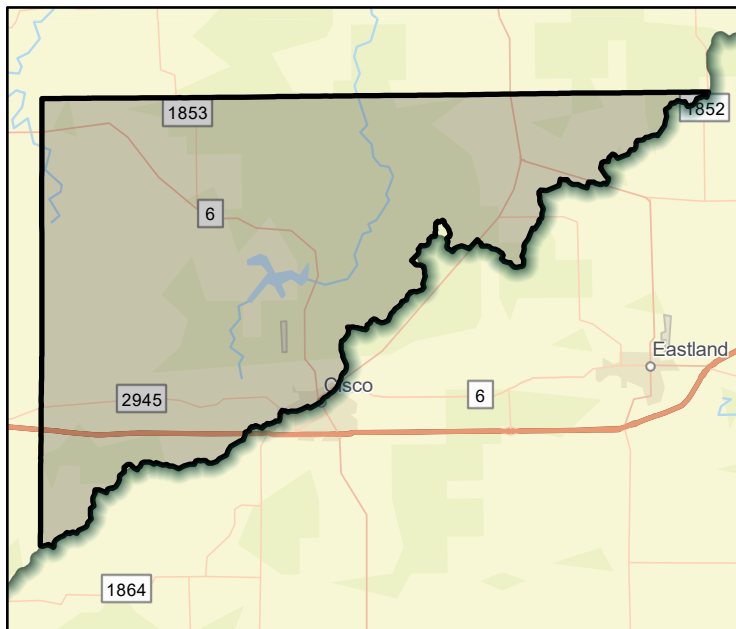
Farm/Ranch land impacted (acres) **325** Roadway(s) impacted (length) **12**

Number of low water crossings **2** Historical road closures **0**

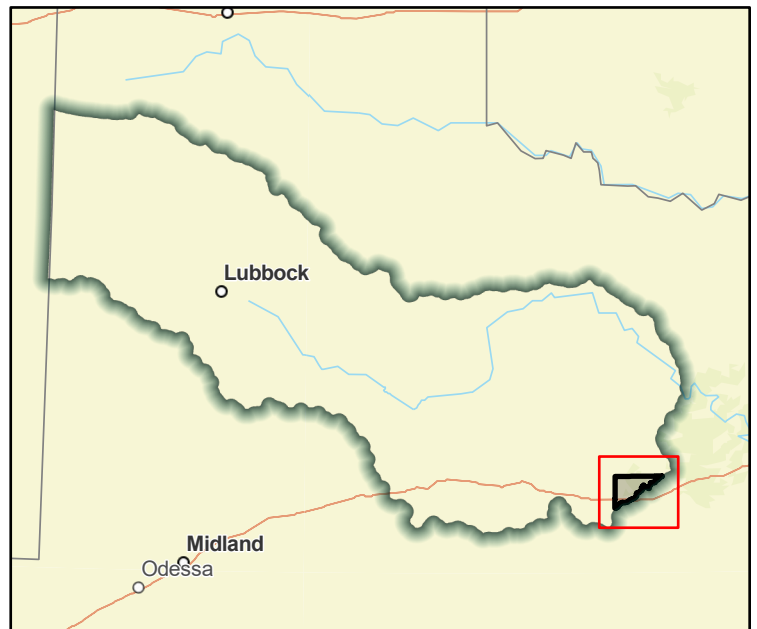
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Eastland County GIS Development**

ID# **071000094**

Sponsor (name of entity, not person) **Eastland (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Eastland** Watershed HUC# (if known) **120601050401, 120601050402, 120601050403, 120601050404,**

Drainage area (Square miles, est.) **125** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **135** # of structures **116** Critical facilities **0**

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

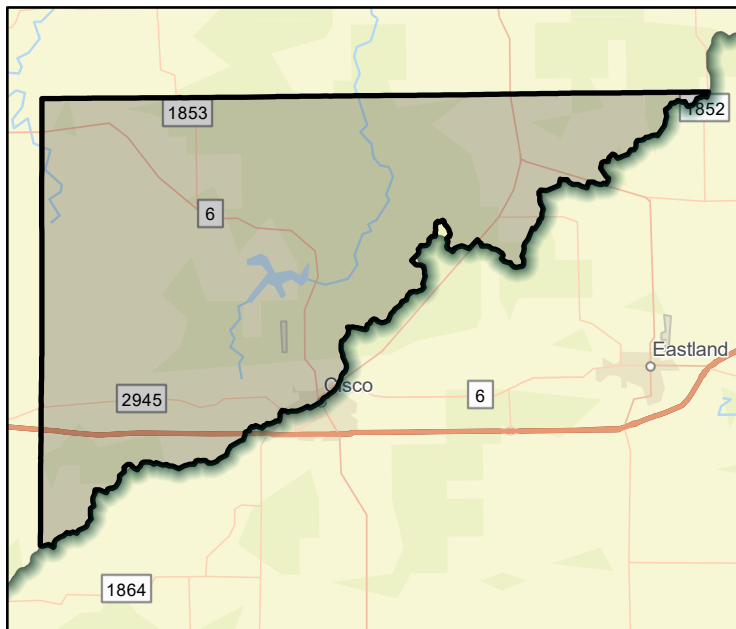
Farm/Ranch land impacted (acres) **325** Roadway(s) impacted (length) **12**

Number of low water crossings **2** Historical road closures **0**

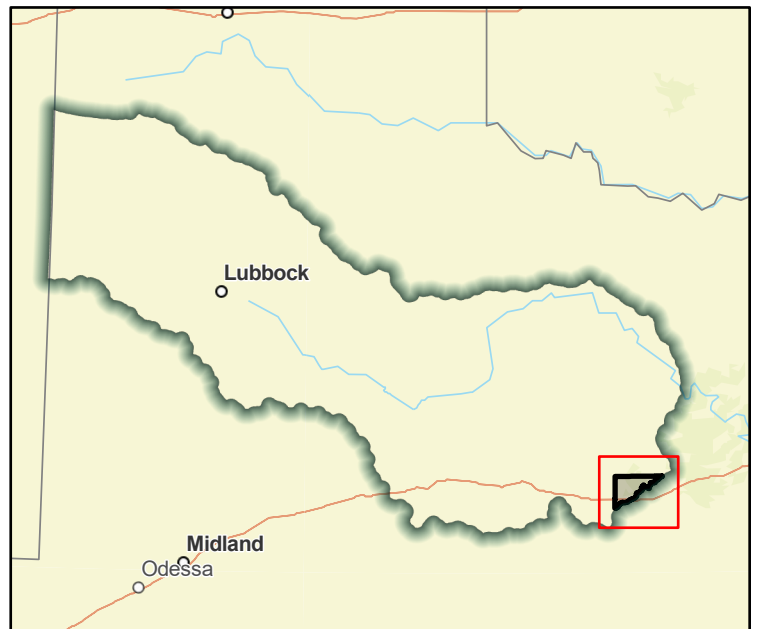
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Eastland County Update FEMA Mapping**

ID# **071000019**

Sponsor (name of entity, not person) **Eastland (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Update existing FEMA mapping**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Eastland** Watershed HUC# (if known) **120601050401, 120601050402, 120601050403, 120601050404,**

Drainage area (Square miles, est.) **125** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **135** # of structures **116** Critical facilities **0**

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

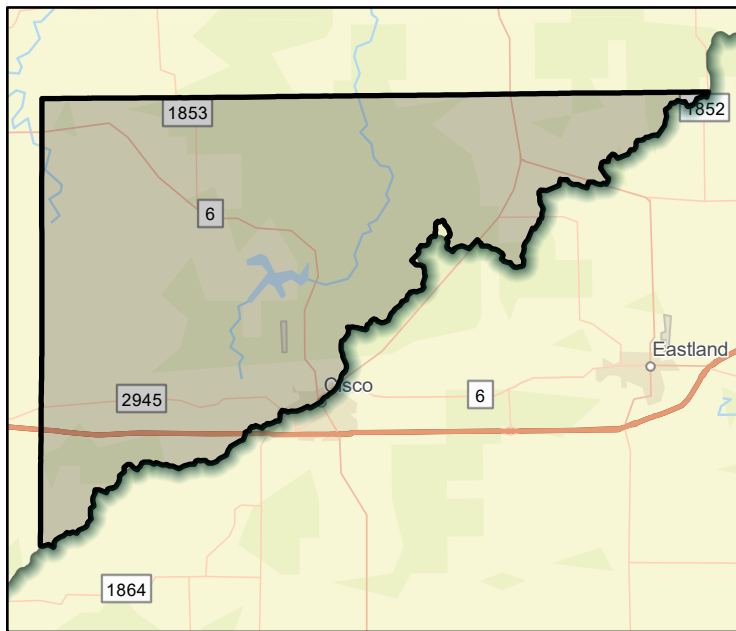
Farm/Ranch land impacted (acres) **325** Roadway(s) impacted (length) **12**

Number of low water crossings **2** Historical road closures **0**

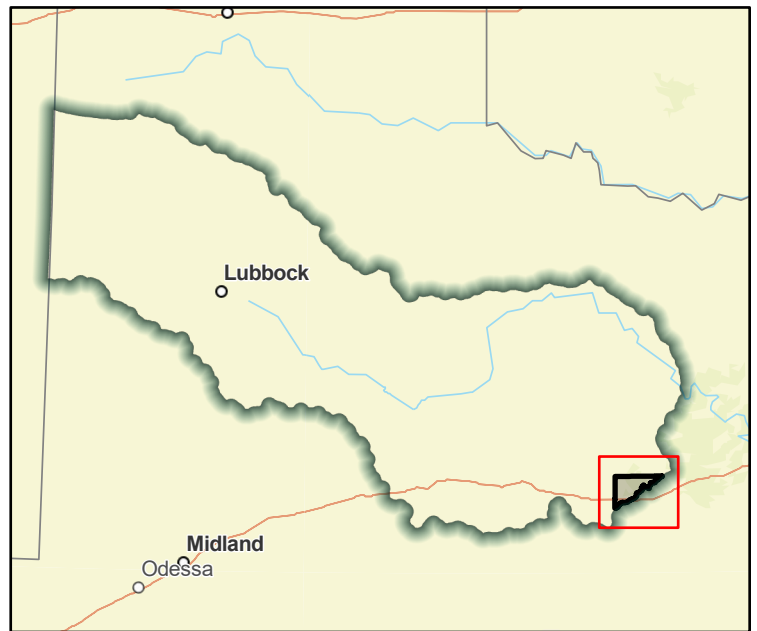
## Estimated Cost and Funding Availability

Total Cost **\$327,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Fisher County DCM**

ID# **071000162**

Sponsor (name of entity, not person) **Fisher (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Fisher** Watershed HUC# (if known) **120500040607, 120500040704, 120500040801, 120500040802,**

Drainage area (Square miles, est.) **900** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **89** # of structures **120** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **23,747** Roadway(s) impacted (length) **89**

Number of low water crossings **0** Historical road closures **0**

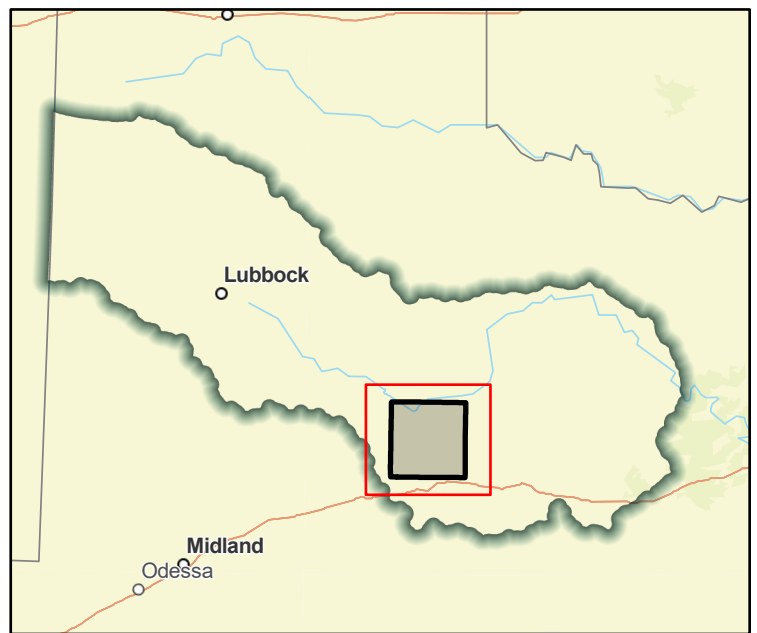
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Fisher County DMP**

ID# **071000059**

Sponsor (name of entity, not person) **Fisher (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Fisher** Watershed HUC# (if known) **120500040607, 120500040704, 120500040801, 120500040802,**

Drainage area (Square miles, est.) **900** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **89** # of structures **120** Critical facilities **0**

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

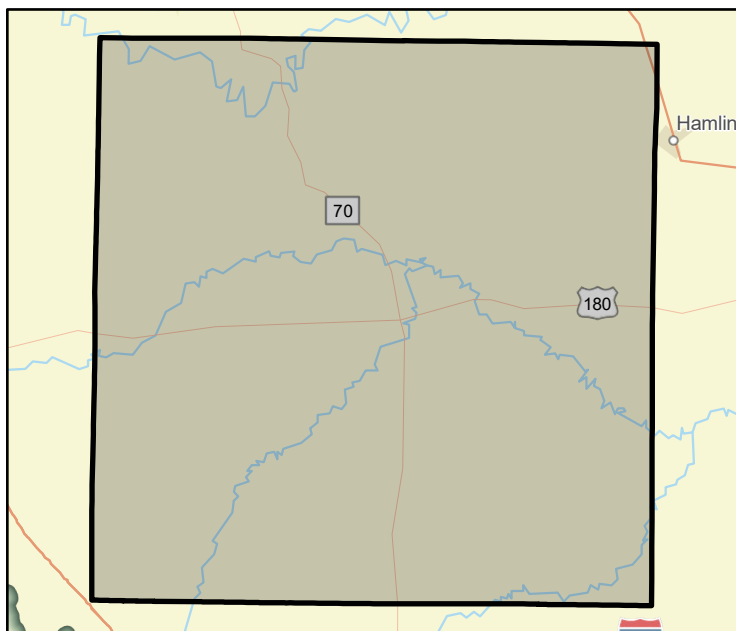
Farm/Ranch land impacted (acres) **23,747** Roadway(s) impacted (length) **89**

Number of low water crossings **0** Historical road closures **0**

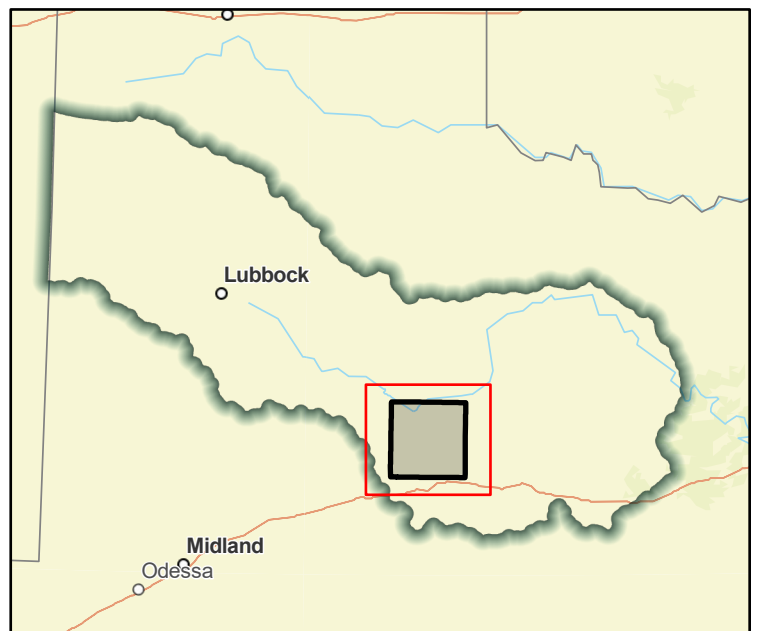
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Fisher County GIS Development  
ID# 071000095  
Sponsor (name of entity, not person) Fisher (County)  
RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

Study type Other  
Study description Develop a GIS inventory of stormwater infrastructure  
New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No  
County Fisher Watershed HUC# (if known) 120500040607, 120500040704, 120500040801, 120500040802,  
Drainage area (Square miles, est.) 900 Goal(s) 07000011, 07000012

## 100-Year Flood Risk Summary

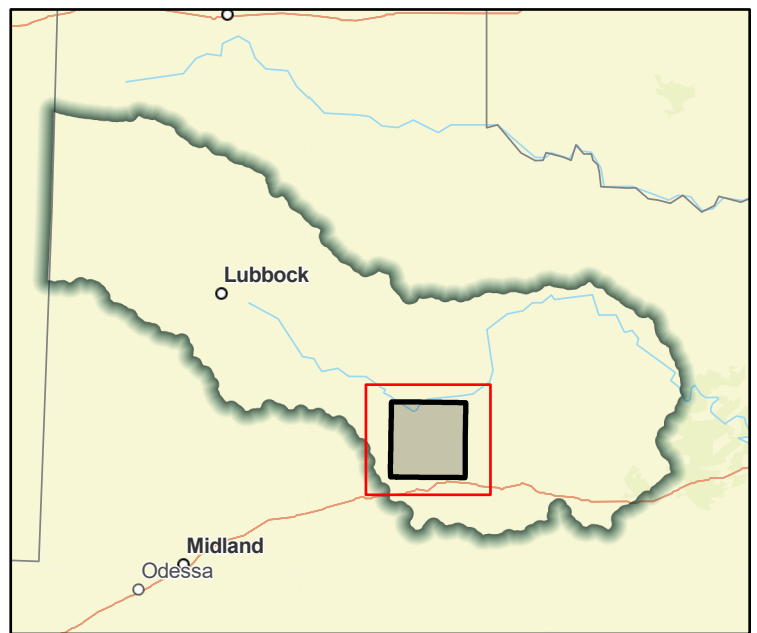
Population at risk 89 # of structures 120 Critical facilities 0  
Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
Farm/Ranch land impacted (acres) 23,747 Roadway(s) impacted (length) 89  
Number of low water crossings 0 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding \$0 Federal funding availability No  
Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Fisher County Initial FEMA Mapping**

ID# **071000008**

Sponsor (name of entity, not person) **Fisher (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Create FEMA Mapping in previously unmapped areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Fisher** Watershed HUC# (if known) **120500040607, 120500040704, 120500040801, 120500040802,**

Drainage area (Square miles, est.) **900** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **89** # of structures **120** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **23,747** Roadway(s) impacted (length) **89**

Number of low water crossings **0** Historical road closures **0**

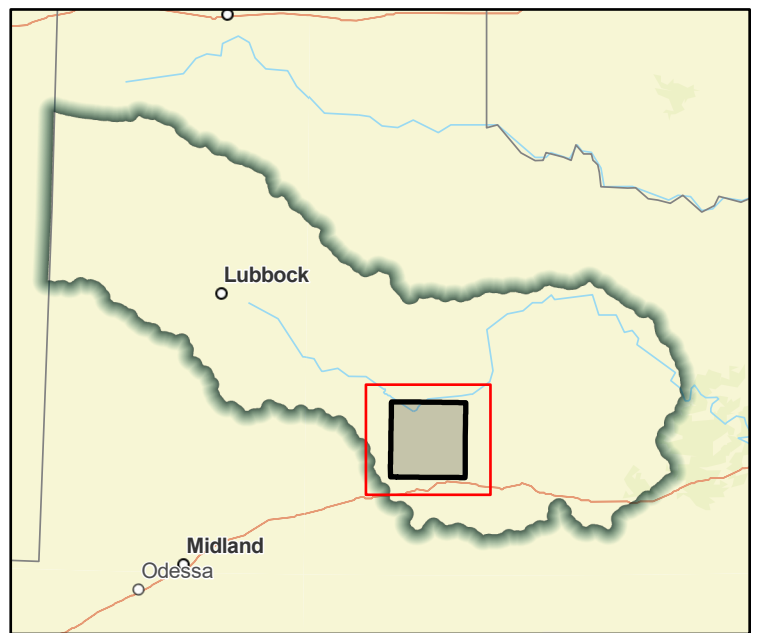
## Estimated Cost and Funding Availability

Total Cost **\$859,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Floyd County DCM**

ID# **071000163**

Sponsor (name of entity, not person) **Floyd (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Floyd** Watershed HUC# (if known) **111301030104, 111301030106, 111301030201, 111301030202,**

Drainage area (Square miles, est.) **407** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **99** # of structures **116** Critical facilities **0**

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

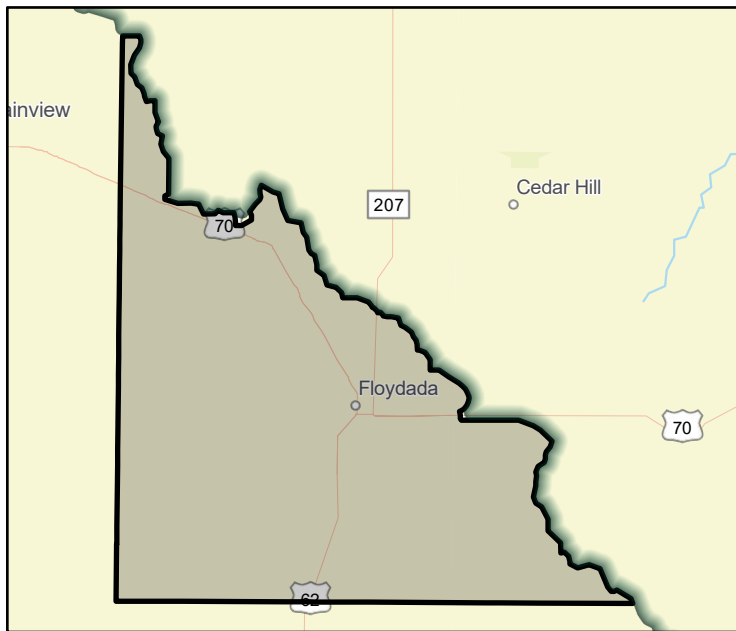
Farm/Ranch land impacted (acres) **28,587** Roadway(s) impacted (length) **255**

Number of low water crossings **4** Historical road closures **0**

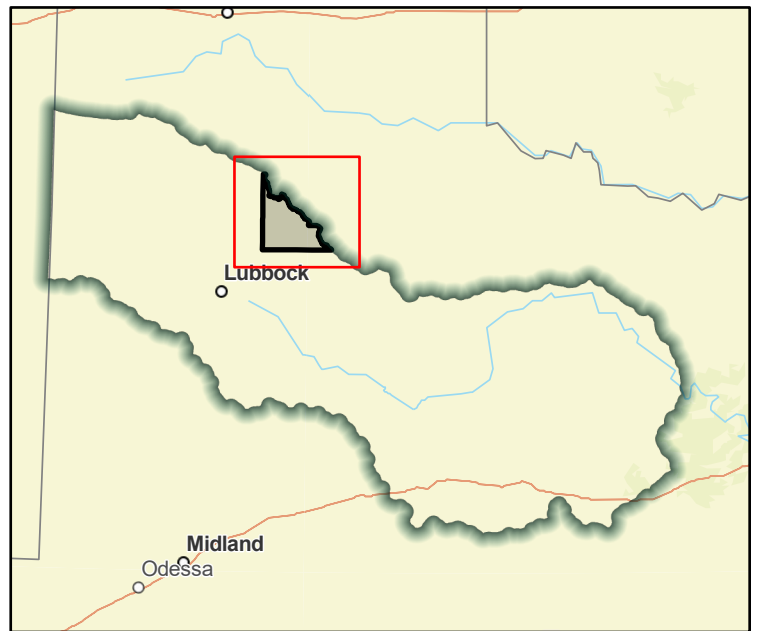
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Floyd County GIS Development**

ID# **071000096**

Sponsor (name of entity, not person) **Floyd (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Floyd** Watershed HUC# (if known) **111301030104, 111301030106, 111301030201, 111301030202,**

Drainage area (Square miles, est.) **407** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **99** # of structures **116** Critical facilities **0**

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

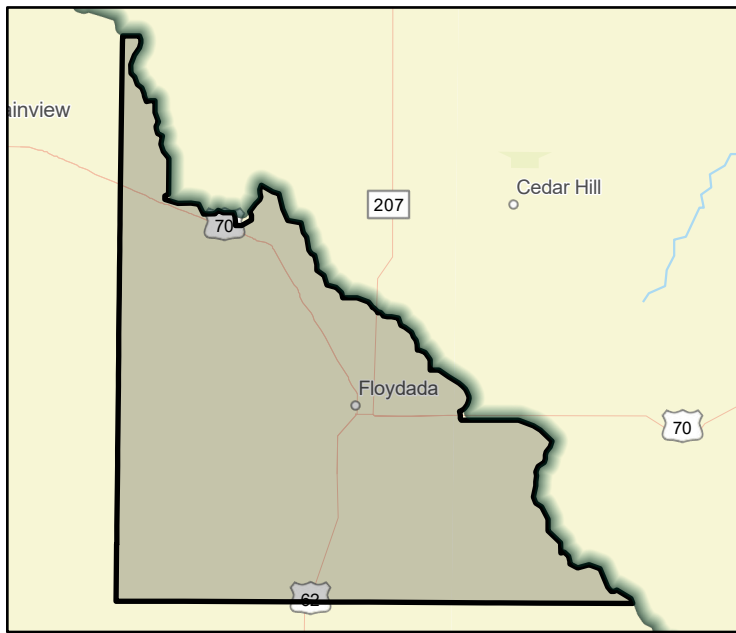
Farm/Ranch land impacted (acres) **28,587** Roadway(s) impacted (length) **255**

Number of low water crossings **4** Historical road closures **0**

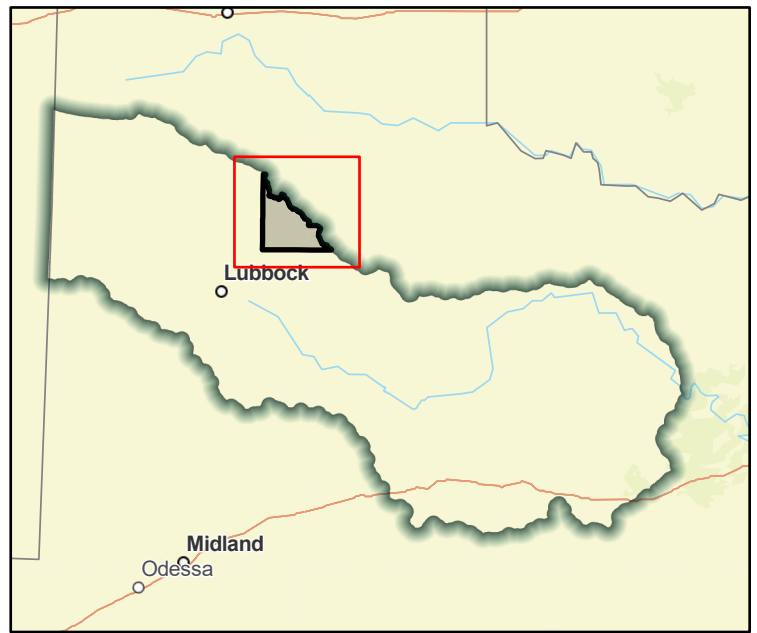
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Floyd County Update FEMA Mapping**

ID# **071000020**

Sponsor (name of entity, not person) **Floyd (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Update existing FEMA mapping**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Floyd** Watershed HUC# (if known) **111301030104, 111301030106, 111301030201, 111301030202,**

Drainage area (Square miles, est.) **407** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **99** # of structures **116** Critical facilities **0**

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

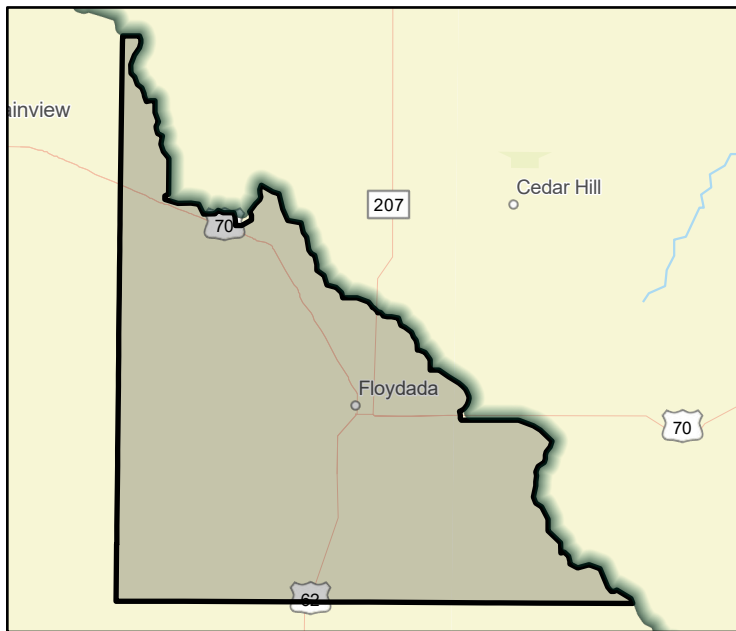
Farm/Ranch land impacted (acres) **28,587** Roadway(s) impacted (length) **255**

Number of low water crossings **4** Historical road closures **0**

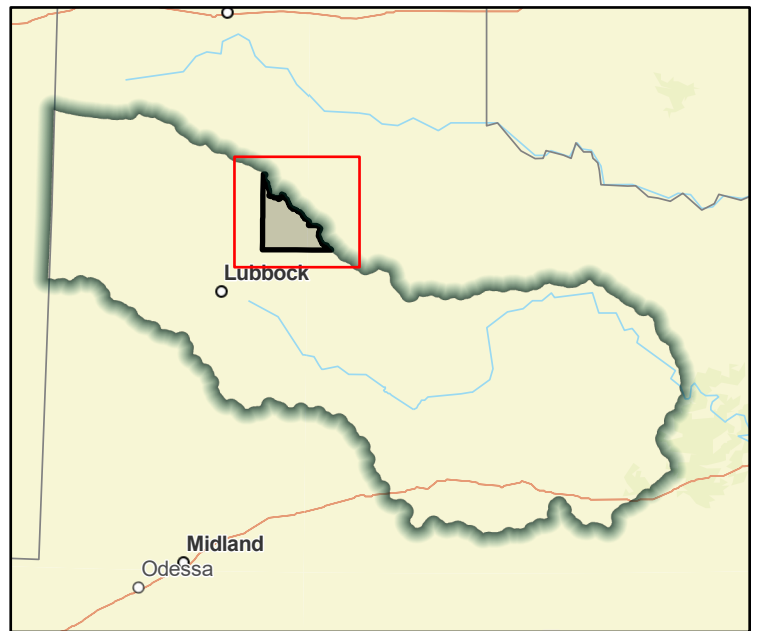
## Estimated Cost and Funding Availability

Total Cost **\$1,116,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Garza County DCM**

ID# **071000164**

Sponsor (name of entity, not person) **Garza (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Garza** Watershed HUC# (if known) **120500030203, 120500030308, 120500030403, 120500030501,**

Drainage area (Square miles, est.) **885** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **315** # of structures **158** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **10,113** Roadway(s) impacted (length) **98**

Number of low water crossings **11** Historical road closures **0**

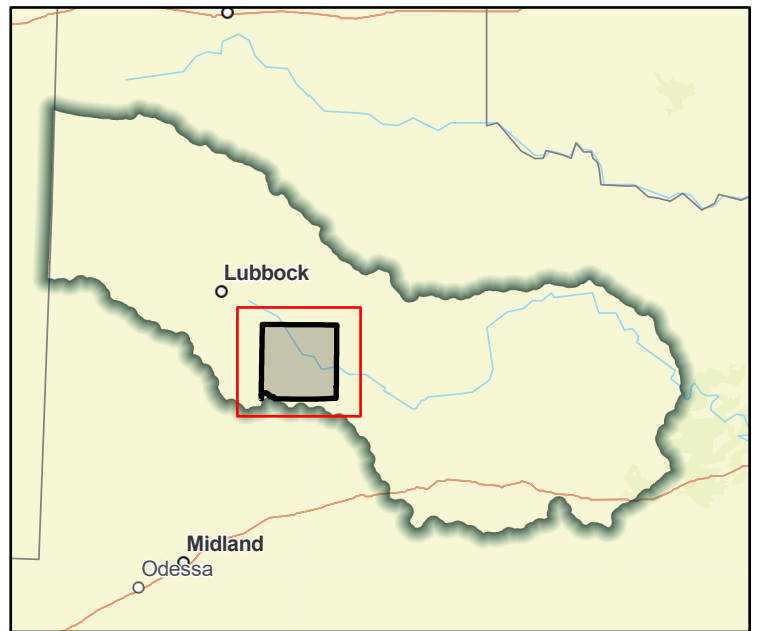
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Garza County DMP**

ID# **071000060**

Sponsor (name of entity, not person) **Garza (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Garza** Watershed HUC# (if known) **120500030203, 120500030308, 120500030403, 120500030501,**

Drainage area (Square miles, est.) **885** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **315** # of structures **158** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **10,113** Roadway(s) impacted (length) **98**

Number of low water crossings **11** Historical road closures **0**

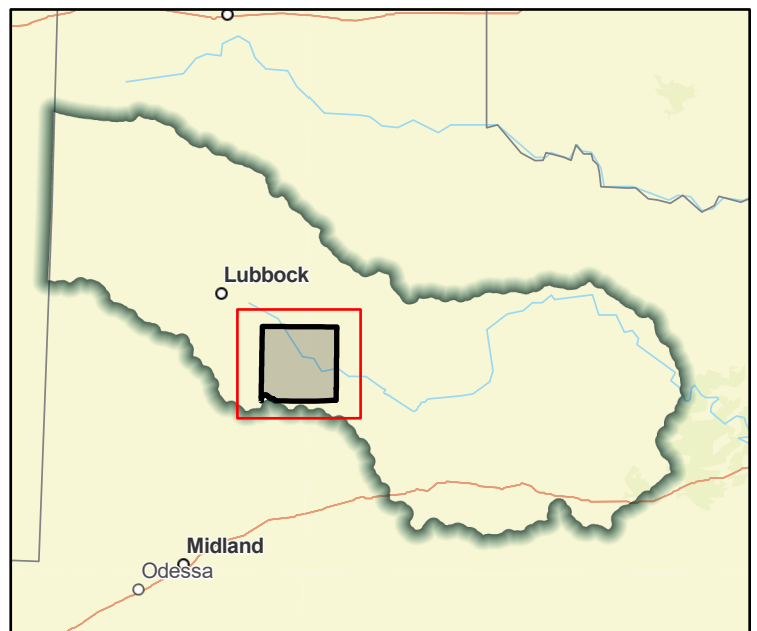
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Garza County GIS Development**  
ID# **071000097**  
Sponsor (name of entity, not person) **Garza (County)**  
RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**  
Study description **Develop a GIS inventory of stormwater infrastructure**  
New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**  
County **Garza** Watershed HUC# (if known) **120500030203, 120500030308, 120500030403, 120500030501,**  
Drainage area (Square miles, est.) **885** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

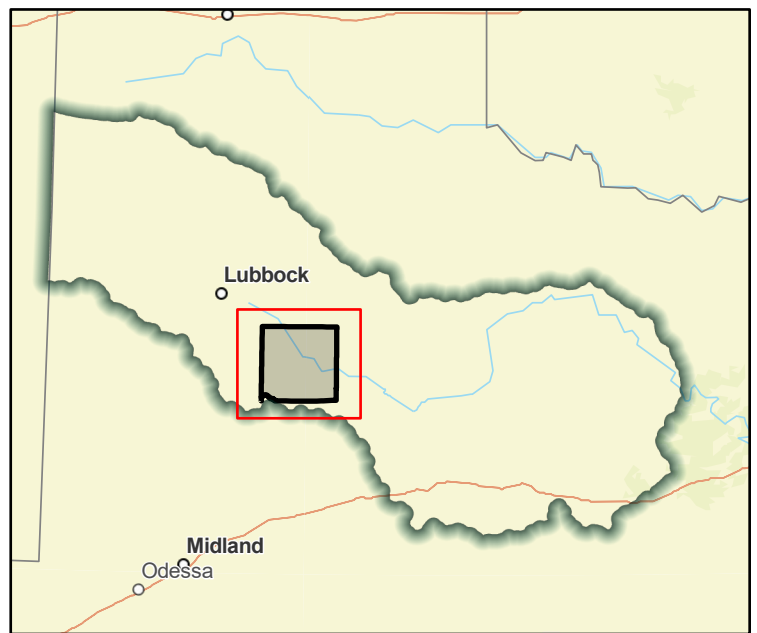
Population at risk **315** # of structures **158** Critical facilities **0**  
Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **Yes** Other? **No**  
Farm/Ranch land impacted (acres) **10,113** Roadway(s) impacted (length) **98**  
Number of low water crossings **11** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**  
Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Garza County Initial FEMA Mapping**

ID# **071000009**

Sponsor (name of entity, not person) **Garza (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Create FEMA Mapping in previously unmapped areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Garza** Watershed HUC# (if known) **120500030203, 120500030308, 120500030403, 120500030501,**

Drainage area (Square miles, est.) **885** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **315** # of structures **158** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **10,113** Roadway(s) impacted (length) **98**

Number of low water crossings **11** Historical road closures **0**

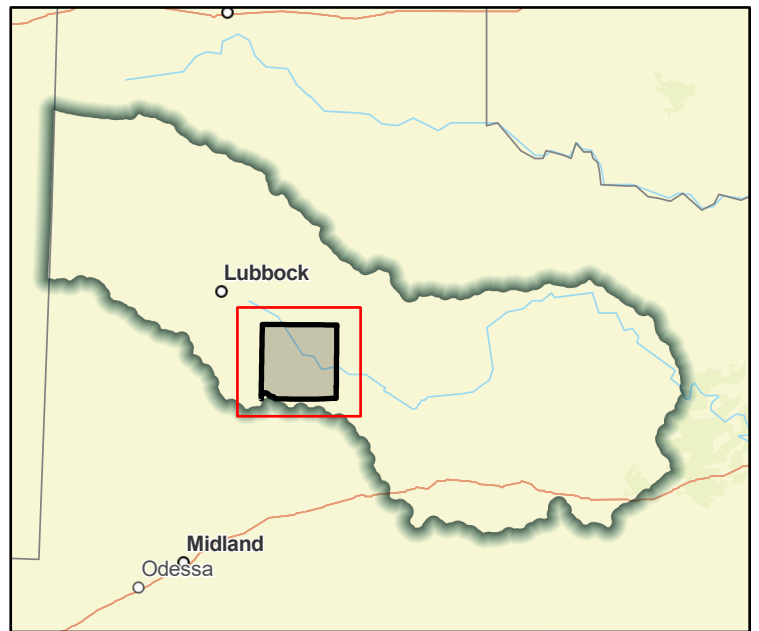
## Estimated Cost and Funding Availability

Total Cost **\$882,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Hale County DCM**

ID# **071000165**

Sponsor (name of entity, not person) **Hale (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Hale** Watershed HUC# (if known) **111201040602, 111301030202, 120500011107, 120500011302,**

Drainage area (Square miles, est.) **996** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **3,089** # of structures **1,318** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **59,708** Roadway(s) impacted (length) **222**

Number of low water crossings **6** Historical road closures **0**

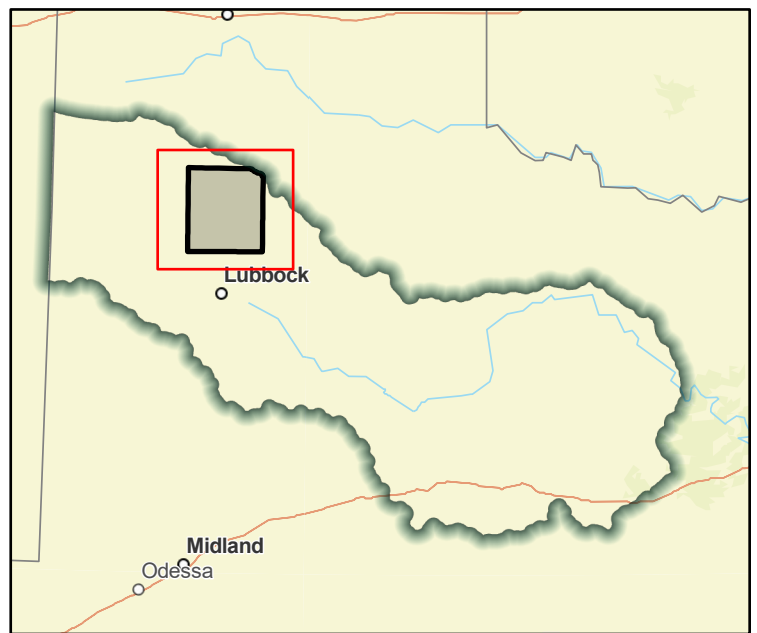
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Hamlin Dam Improvements**

ID# **071300012**

Sponsor (name of entity, not person) **Jones (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Harden earthen dam at Hamlin South Lake per request of TCEQ.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Jones** Watershed HUC# (if known) **120601030102**

Drainage area (Square miles, est.) **2** Goal(s) **07000021, 07000022, 07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

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

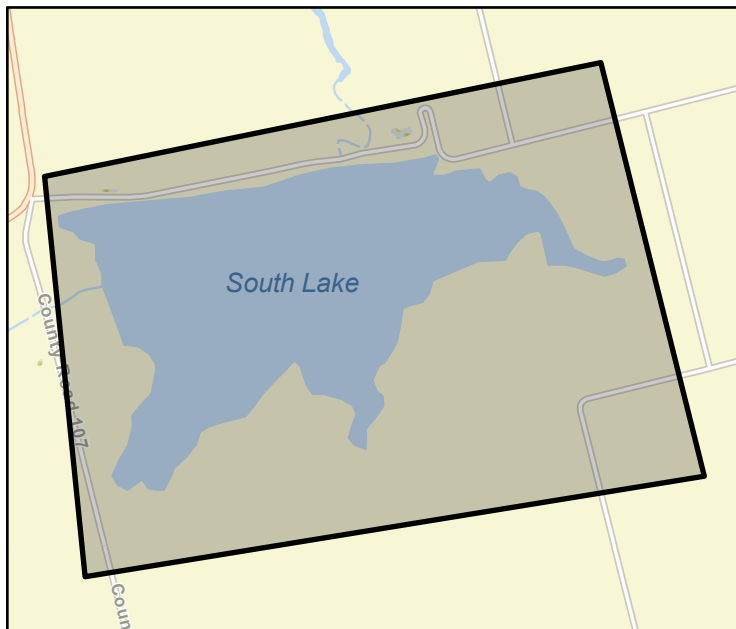
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

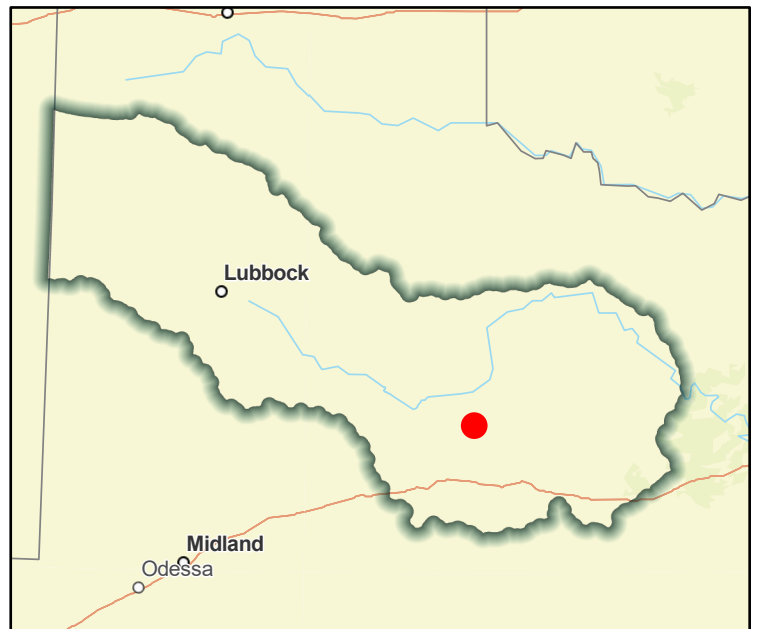
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Hamlin South Lake Dam Diversion**

ID# **071300013**

Sponsor (name of entity, not person) **Jones (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Divert water to prevent breaching of Hamlin South Lake Dam.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Jones** Watershed HUC# (if known) **120601030102**

Drainage area (Square miles, est.) **2** Goal(s) **07000021, 07000022, 07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

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

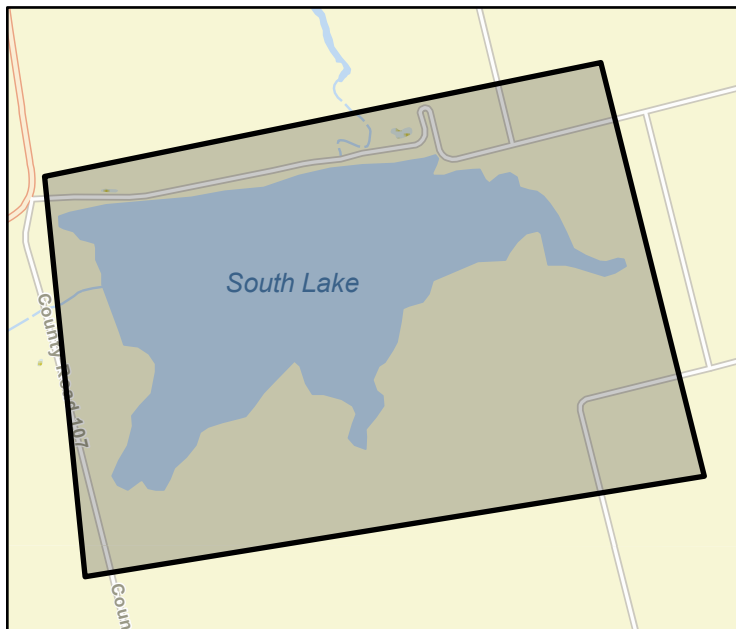
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

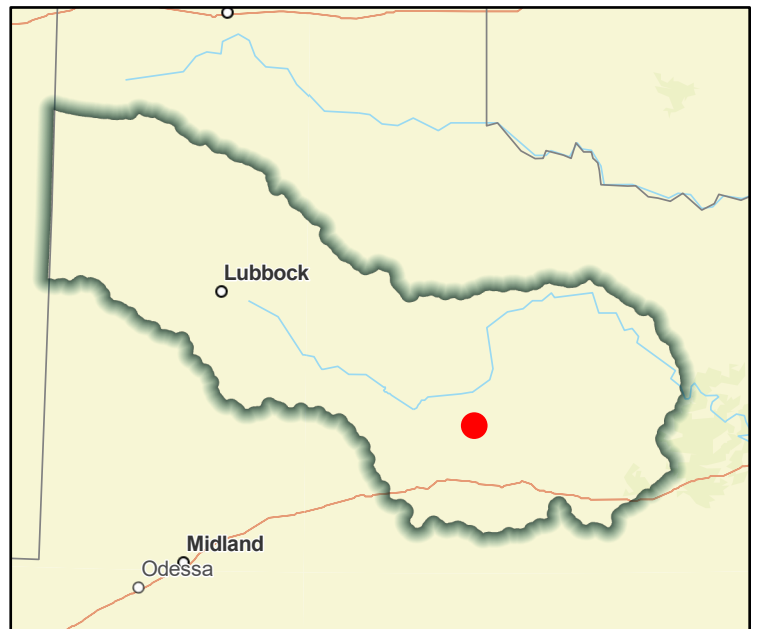
## Estimated Cost and Funding Availability

Total Cost **\$50,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Haskell County DCM**

ID# **071000166**

Sponsor (name of entity, not person) **Haskell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Haskell** Watershed HUC# (if known) **120500040903, 120500040904, 120500040906, 120500040907,**

Drainage area (Square miles, est.) **907** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **708** # of structures **788** Critical facilities **1**

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

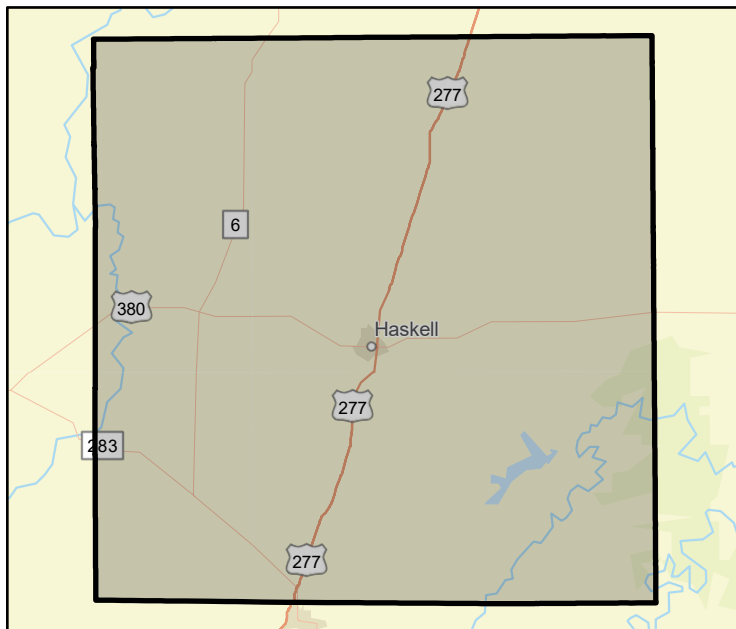
Farm/Ranch land impacted (acres) **59,648** Roadway(s) impacted (length) **226**

Number of low water crossings **15** Historical road closures **0**

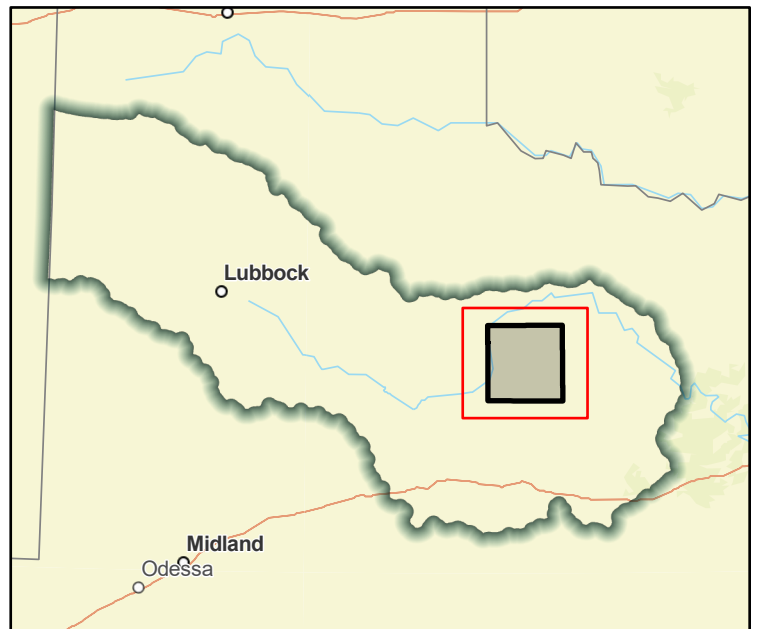
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Haskell County DMP**

ID# **071000061**

Sponsor (name of entity, not person) **Haskell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Haskell** Watershed HUC# (if known) **120500040903, 120500040904, 120500040906, 120500040907,**

Drainage area (Square miles, est.) **907** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **708** # of structures **788** Critical facilities **1**

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

Farm/Ranch land impacted (acres) **59,648** Roadway(s) impacted (length) **226**

Number of low water crossings **15** Historical road closures **0**

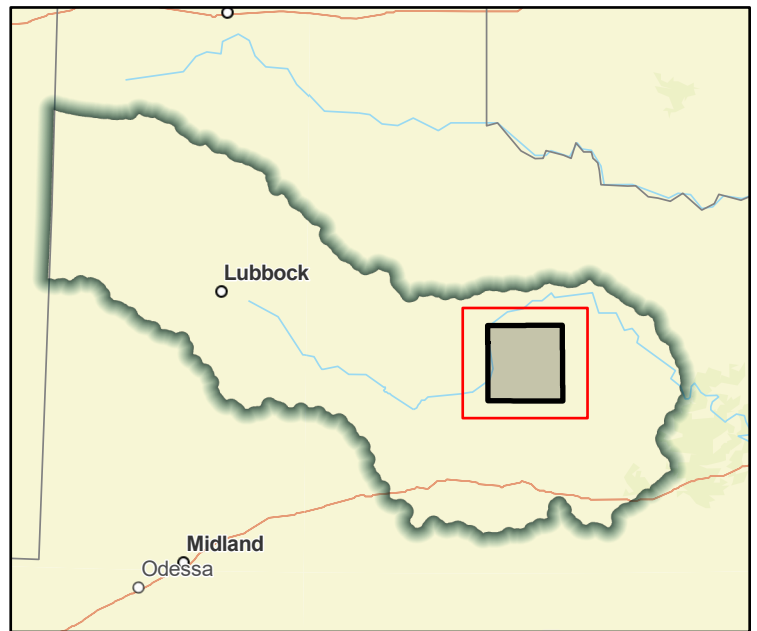
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Haskell County GIS Development**

ID# **071000098**

Sponsor (name of entity, not person) **Haskell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Haskell** Watershed HUC# (if known) **120500040903, 120500040904, 120500040906, 120500040907,**

Drainage area (Square miles, est.) **907** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **708** # of structures **788** Critical facilities **1**

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

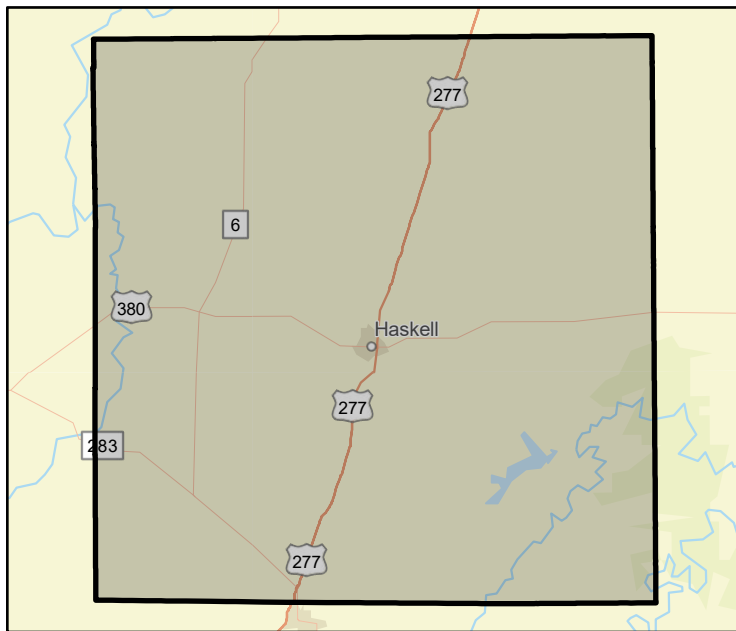
Farm/Ranch land impacted (acres) **59,648** Roadway(s) impacted (length) **226**

Number of low water crossings **15** Historical road closures **0**

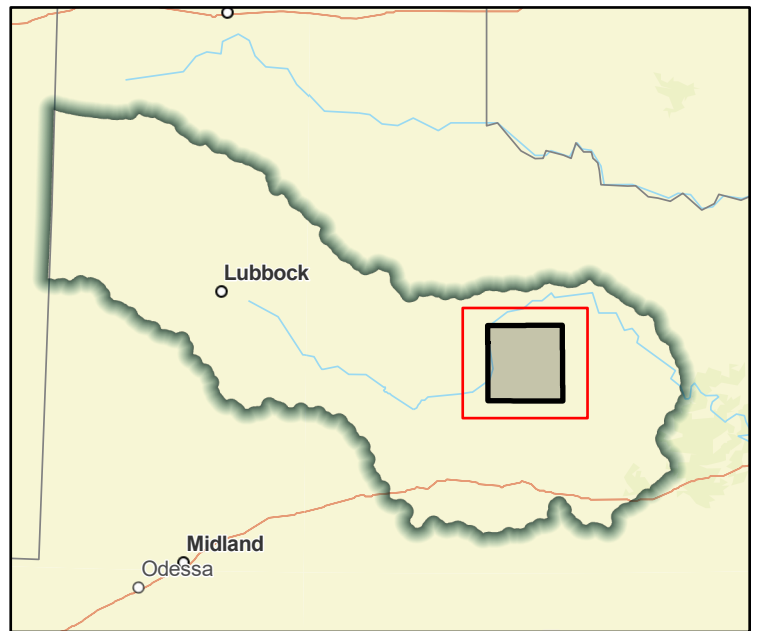
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Haskell County Update FEMA Mapping**

ID# **071000021**

Sponsor (name of entity, not person) **Haskell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Update existing FEMA mapping**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Haskell** Watershed HUC# (if known) **120500040903, 120500040904, 120500040906, 120500040907,**

Drainage area (Square miles, est.) **907** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **708** # of structures **788** Critical facilities **1**

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

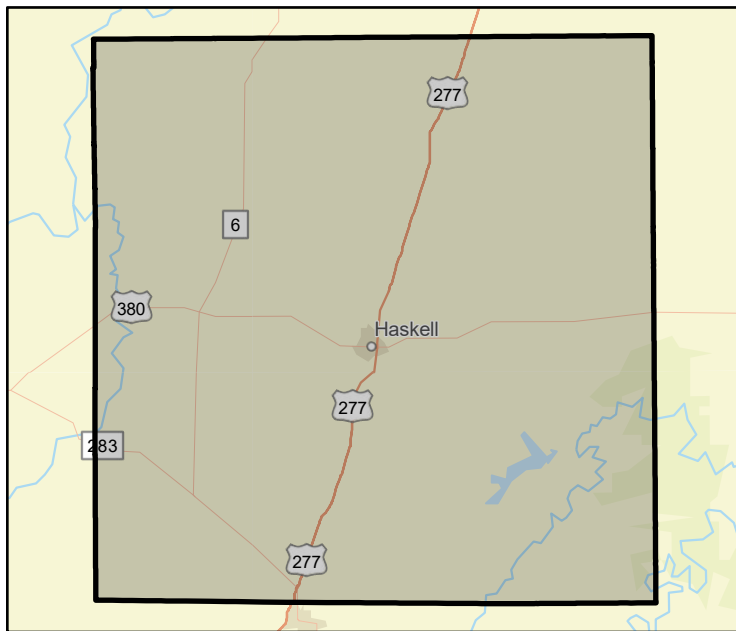
Farm/Ranch land impacted (acres) **59,648** Roadway(s) impacted (length) **226**

Number of low water crossings **15** Historical road closures **0**

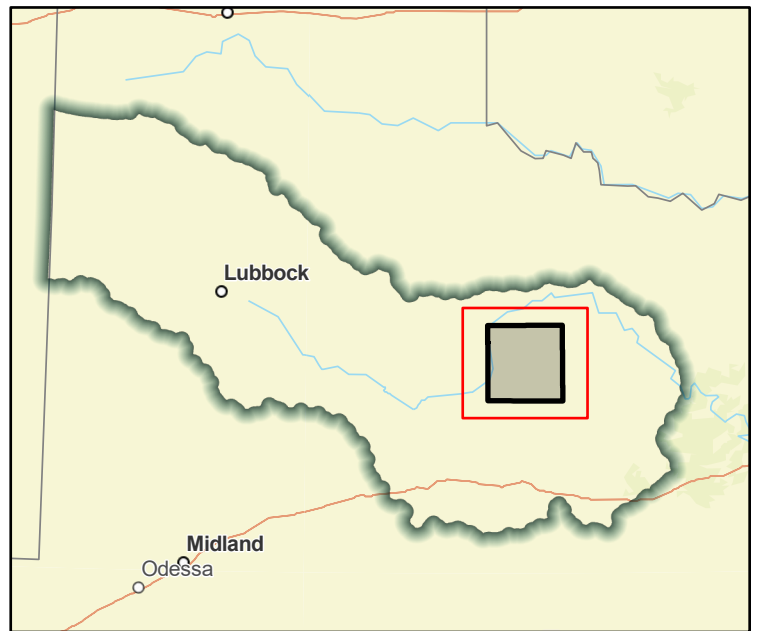
## Estimated Cost and Funding Availability

Total Cost **\$1,024,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Hockley County DCM**

ID# **071000167**

Sponsor (name of entity, not person) **Hockley (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Hockley** Watershed HUC# (if known) **120500010804, 120500010805, 120500010904, 120500010905,**

Drainage area (Square miles, est.) **811** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **5,273** # of structures **1,771** Critical facilities **5**

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

Farm/Ranch land impacted (acres) **60,113** Roadway(s) impacted (length) **626**

Number of low water crossings **9** Historical road closures **0**

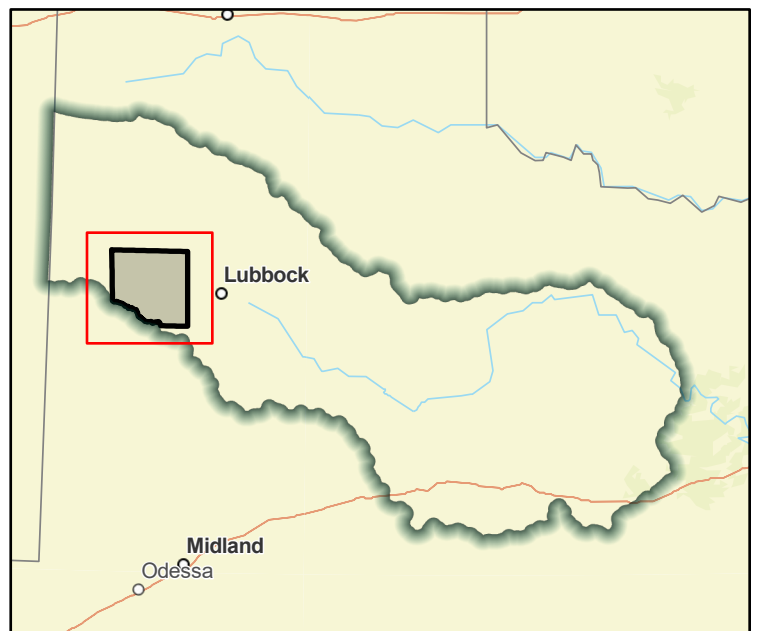
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Hockley County GIS Development**

ID# **071000099**

Sponsor (name of entity, not person) **Hockley (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Hockley** Watershed HUC# (if known) **120500010804, 120500010805, 120500010904, 120500010905,**

Drainage area (Square miles, est.) **811** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **5,273** # of structures **1,771** Critical facilities **5**

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

Farm/Ranch land impacted (acres) **60,113** Roadway(s) impacted (length) **626**

Number of low water crossings **9** Historical road closures **0**

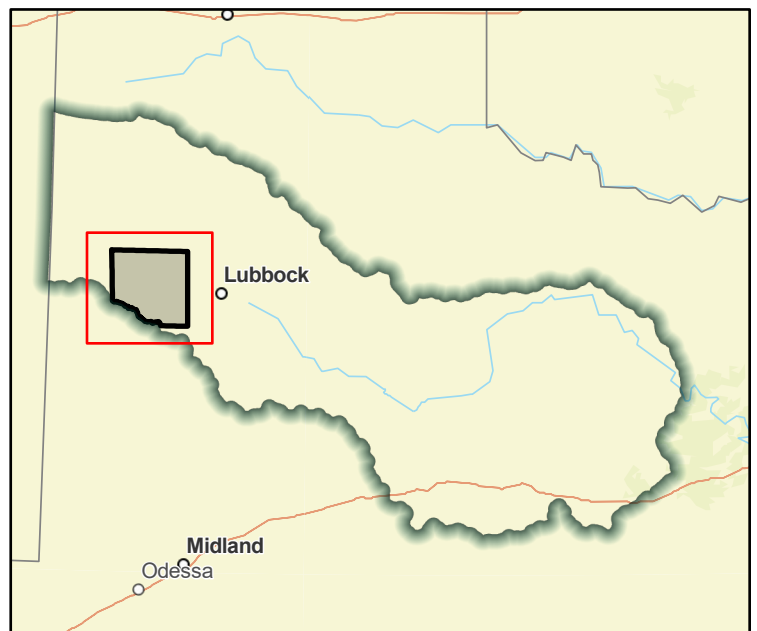
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Hockley County Update FEMA Mapping**

ID# **071000022**

Sponsor (name of entity, not person) **Hockley (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Update existing FEMA mapping**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Hockley** Watershed HUC# (if known) **120500010804, 120500010805, 120500010904, 120500010905,**

Drainage area (Square miles, est.) **811** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **5,273** # of structures **1,771** Critical facilities **5**

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

Farm/Ranch land impacted (acres) **60,113** Roadway(s) impacted (length) **626**

Number of low water crossings **9** Historical road closures **0**

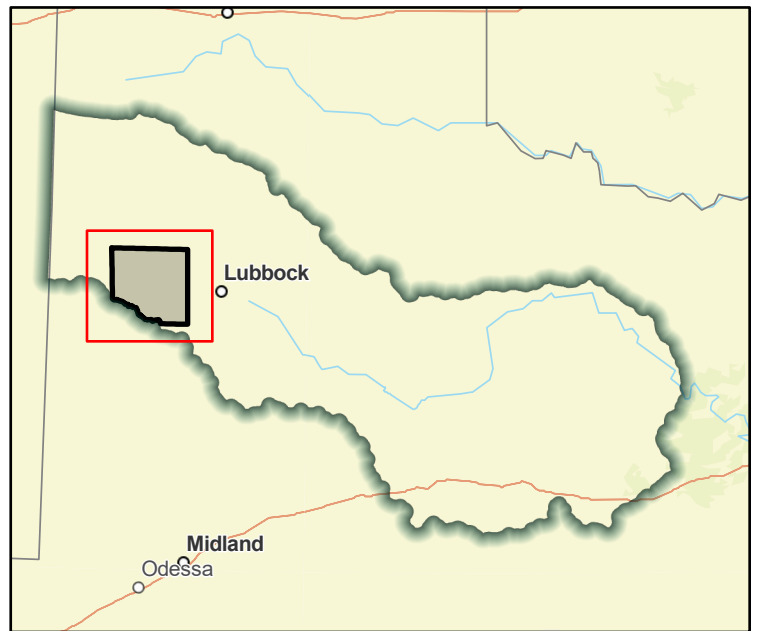
## Estimated Cost and Funding Availability

Total Cost **\$987,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Idalou Playa Lake Improvements**

ID# **071000209**

Sponsor (name of entity, not person) **Idalou (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Establish native grass buffers around Playa Lakes to filter out soil and contaminants from flooding; replenish dry Playa Lakes to ensure protection of aquifers and mitigate declining water tables due to drought**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lubbock** Watershed HUC# (if known) **120500030303, 120500030304**

Drainage area (Square miles, est.) **3** Goal(s) **07000021, 07000022, 07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **11** # of structures **12** Critical facilities **0**

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

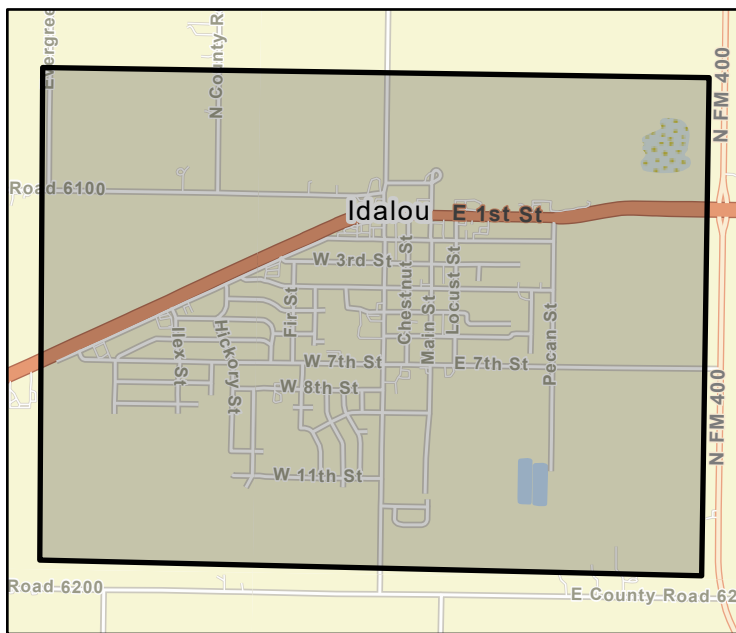
Farm/Ranch land impacted (acres) **119** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

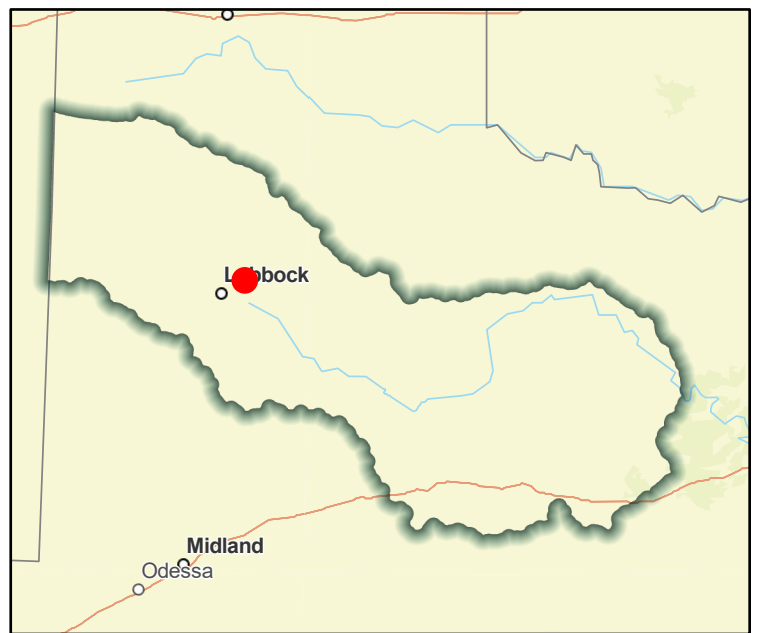
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **John Montford Dam Evaluation**

ID# **071000118**

Sponsor (name of entity, not person) **Lubbock (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Access the current condition of the intake tower, bridge and structure at John Montford Dam. Evaluate the seepage through the Dam.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lubbock** Watershed HUC# (if known) **120500011203, 120500011302, 120500011303, 120500011304,**

Drainage area (Square miles, est.) **898** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **20,269** # of structures **6,880** Critical facilities **9**

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

Farm/Ranch land impacted (acres) **50,570** Roadway(s) impacted (length) **358**

Number of low water crossings **29** Historical road closures **0**

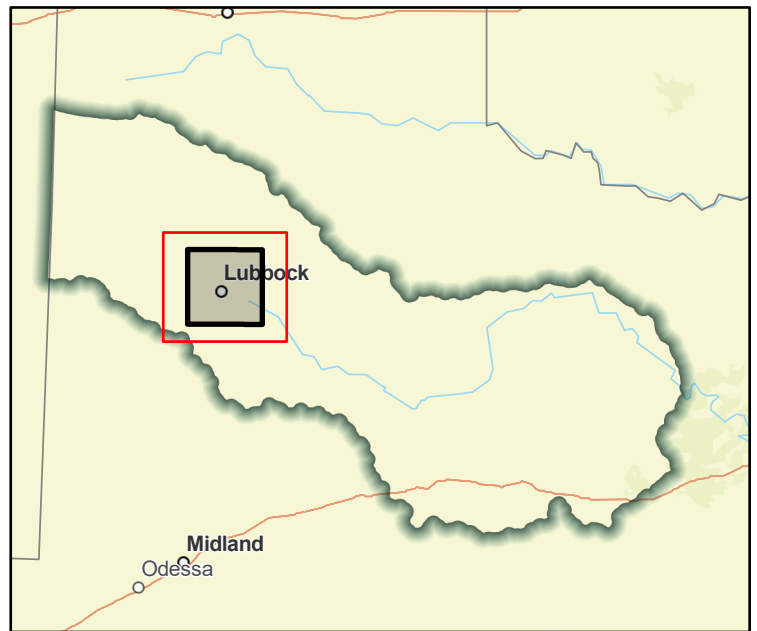
## Estimated Cost and Funding Availability

Total Cost **\$417,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Jones County DCM**

ID# **071000168**

Sponsor (name of entity, not person) **Jones (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Jones** Watershed HUC# (if known) **120500040901, 120601020310, 120601020404, 120601020504,**

Drainage area (Square miles, est.) **933** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **1,118** # of structures **1,145** Critical facilities **2**

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

Farm/Ranch land impacted (acres) **47,149** Roadway(s) impacted (length) **189**

Number of low water crossings **8** Historical road closures **0**

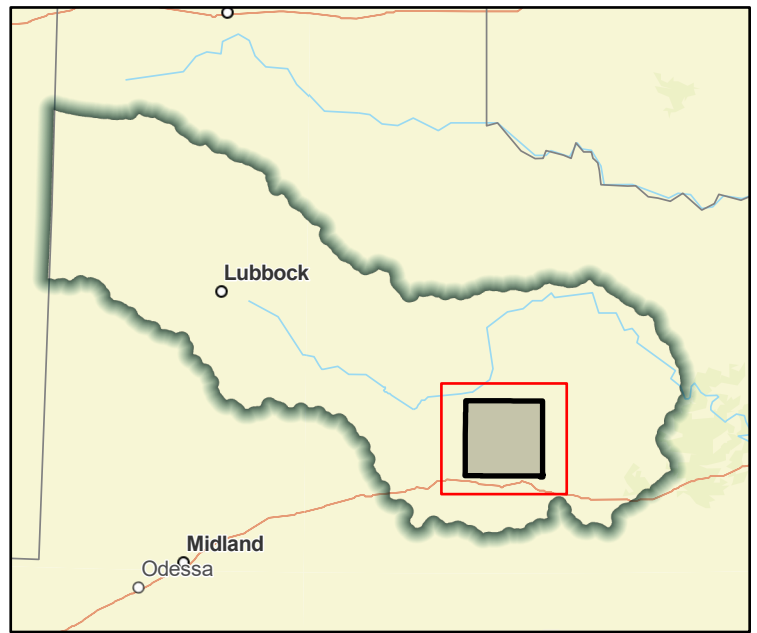
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Jones County DMP**

ID# **071000062**

Sponsor (name of entity, not person) **Jones (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Jones** Watershed HUC# (if known) **120500040901, 120601020310, 120601020404, 120601020504,**

Drainage area (Square miles, est.) **933** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **1,118** # of structures **1,145** Critical facilities **2**

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

Farm/Ranch land impacted (acres) **47,149** Roadway(s) impacted (length) **189**

Number of low water crossings **8** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Kent County DCM**  
ID# **071000169**  
Sponsor (name of entity, not person) **Kent (County)**  
RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

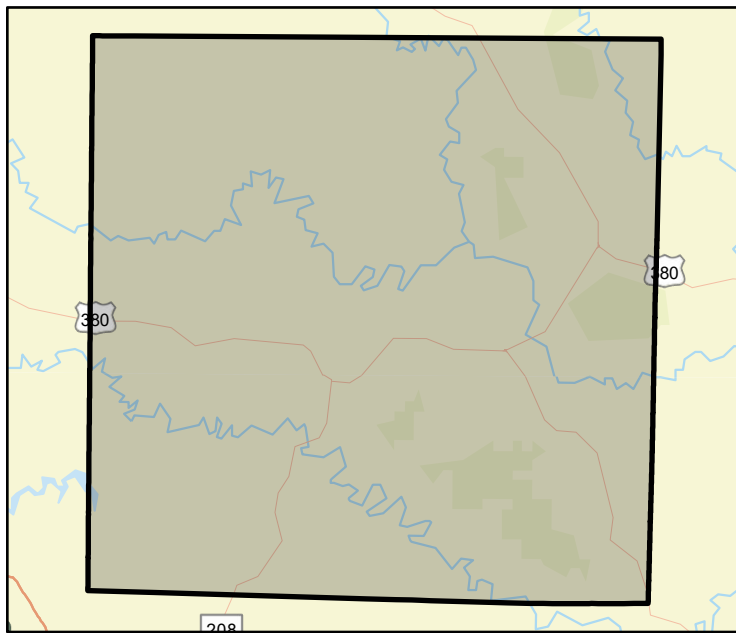
Study type **Other**  
Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**  
New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**  
County **Kent** Watershed HUC# (if known) **120500030506, 120500040505, 120500040506, 120500040507,**  
Drainage area (Square miles, est.) **888** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

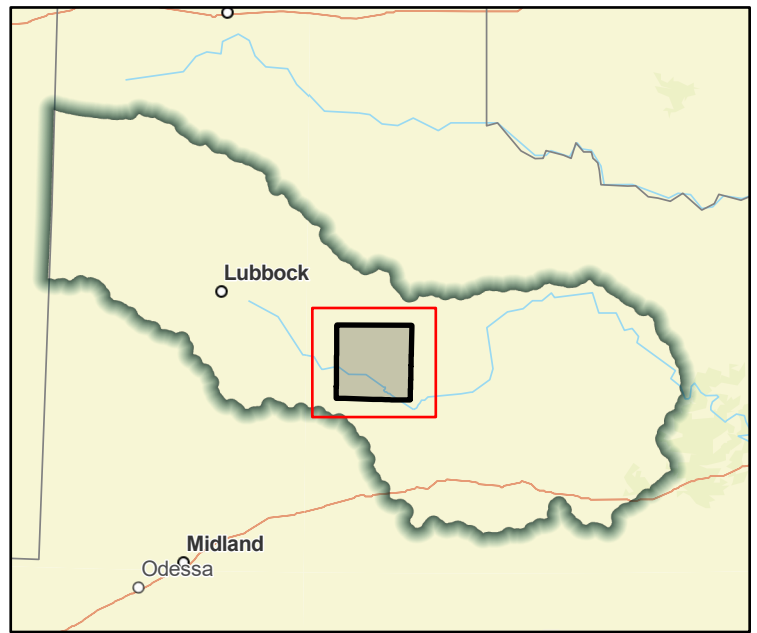
Population at risk **3** # of structures **38** Critical facilities **1**  
Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**  
Farm/Ranch land impacted (acres) **3,244** Roadway(s) impacted (length) **41**  
Number of low water crossings **4** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**  
Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Kent County DMP**

ID# **071000063**

Sponsor (name of entity, not person) **Kent (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Kent** Watershed HUC# (if known) **120500030506, 120500040505, 120500040506, 120500040507,**

Drainage area (Square miles, est.) **888** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **3** # of structures **38** Critical facilities **1**

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

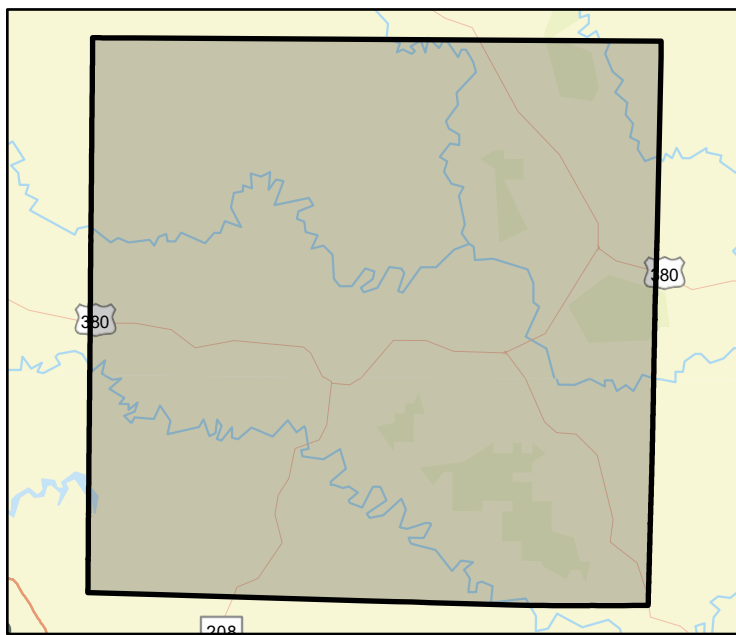
Farm/Ranch land impacted (acres) **3,244** Roadway(s) impacted (length) **41**

Number of low water crossings **4** Historical road closures **0**

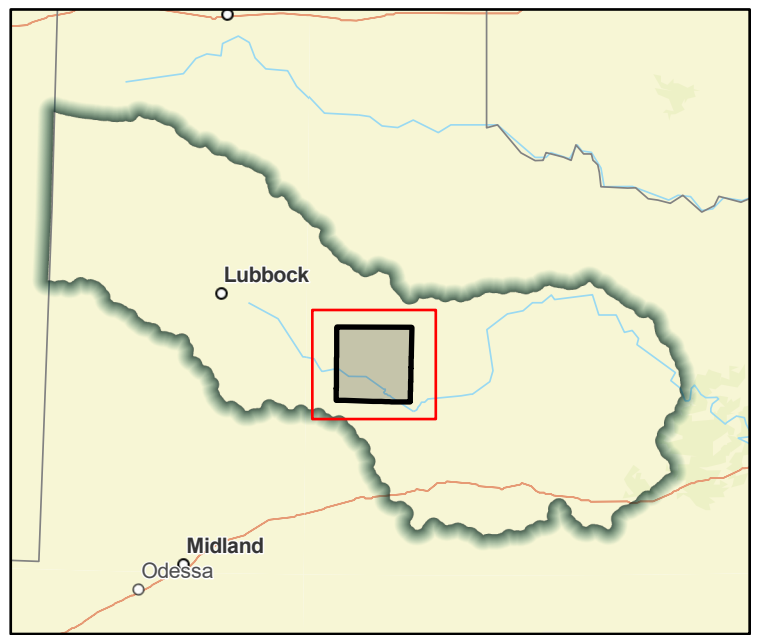
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Kent County GIS Development**  
ID# **071000100**  
Sponsor (name of entity, not person) **Kent (County)**  
RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

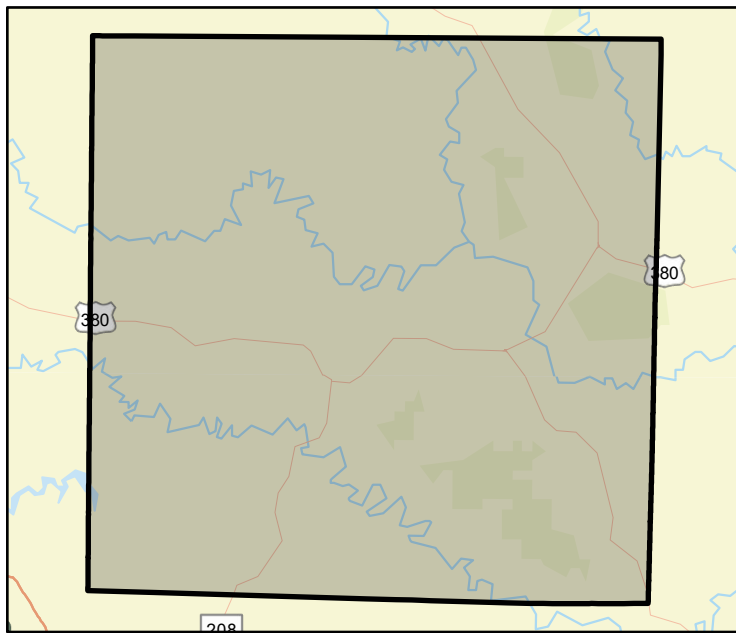
Study type **Other**  
Study description **Develop a GIS inventory of stormwater infrastructure**  
New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**  
County **Kent** Watershed HUC# (if known) **120500030506, 120500040505, 120500040506, 120500040507,**  
Drainage area (Square miles, est.) **888** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

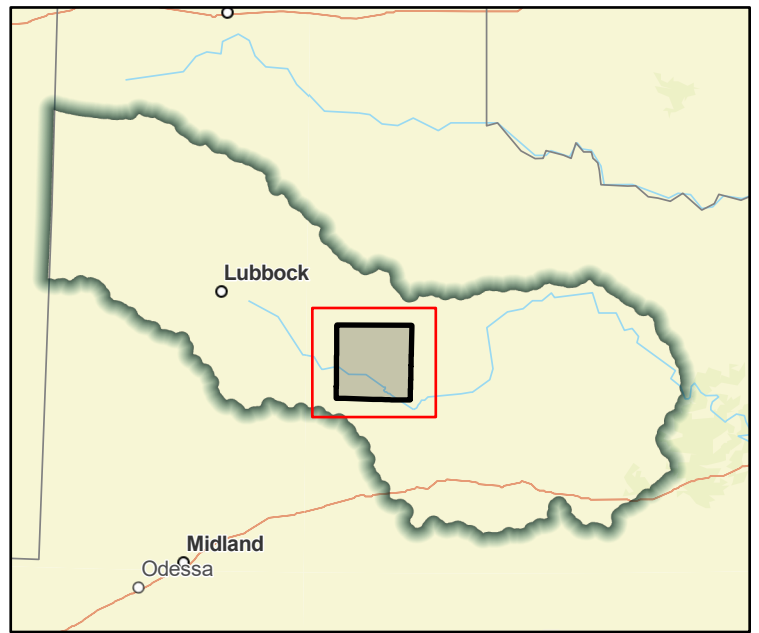
Population at risk **3** # of structures **38** Critical facilities **1**  
Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**  
Farm/Ranch land impacted (acres) **3,244** Roadway(s) impacted (length) **41**  
Number of low water crossings **4** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**  
Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Kent County Initial FEMA Mapping**

ID# **071000010**

Sponsor (name of entity, not person) **Kent (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Create FEMA Mapping in previously unmapped areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Kent** Watershed HUC# (if known) **120500030506, 120500040505, 120500040506, 120500040507,**

Drainage area (Square miles, est.) **888** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **3** # of structures **38** Critical facilities **1**

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

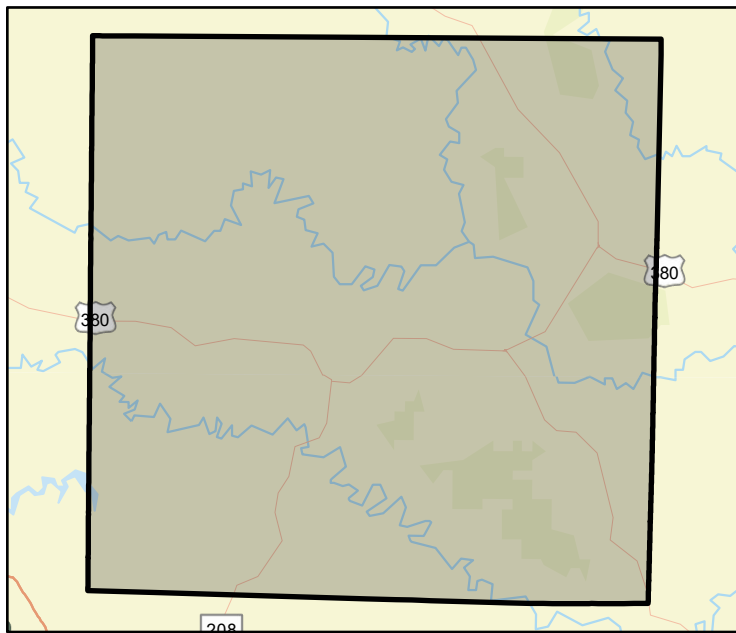
Farm/Ranch land impacted (acres) **3,244** Roadway(s) impacted (length) **41**

Number of low water crossings **4** Historical road closures **0**

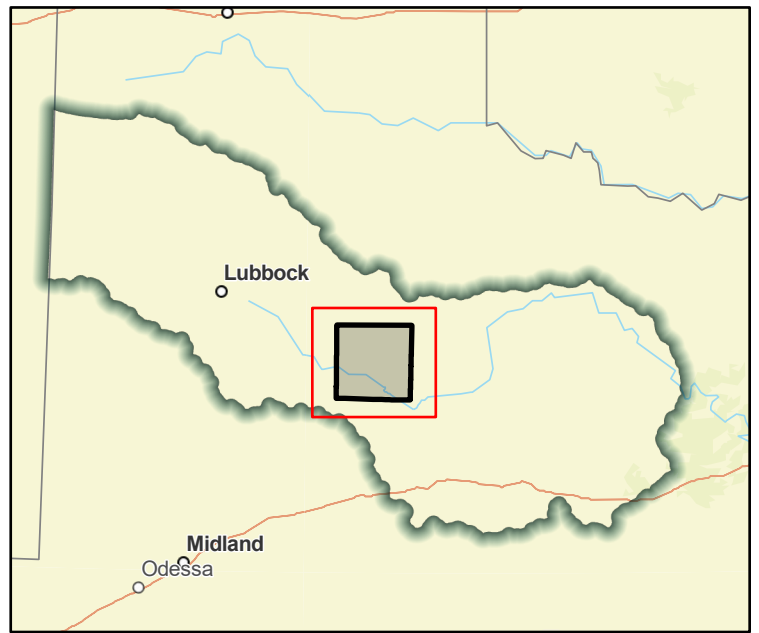
## Estimated Cost and Funding Availability

Total Cost **\$965,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Kent Flood Protection Lift Station Program**

ID# **071000170**

Sponsor (name of entity, not person) **Kent (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Kent** Watershed HUC# (if known) **120500030506, 120500040505, 120500040506, 120500040507,**

Drainage area (Square miles, est.) **888** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **3** # of structures **38** Critical facilities **1**

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

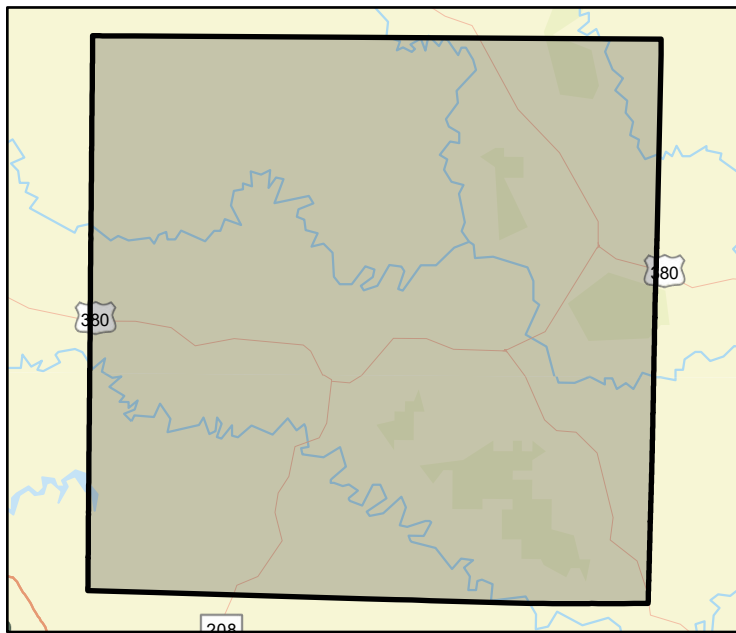
Farm/Ranch land impacted (acres) **3,244** Roadway(s) impacted (length) **41**

Number of low water crossings **4** Historical road closures **0**

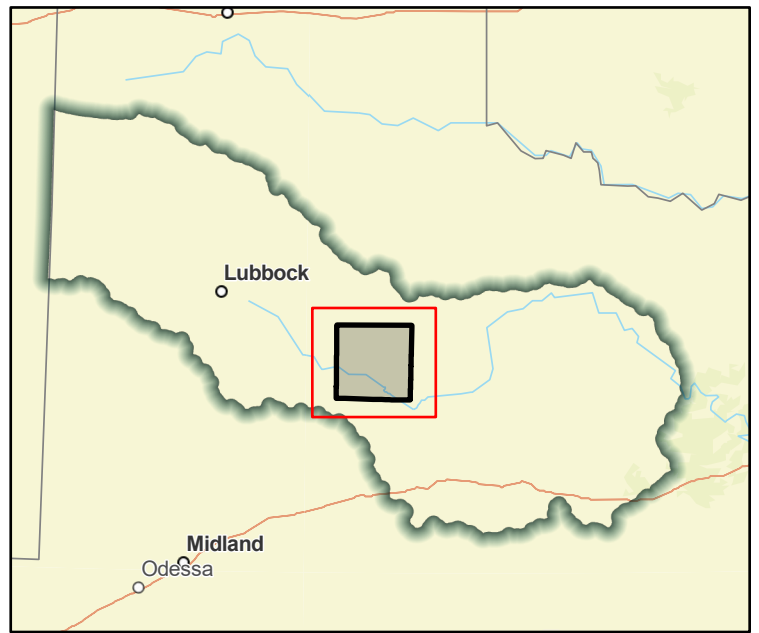
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **King County DCM**

ID# **071000171**

Sponsor (name of entity, not person) **King (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **King** Watershed HUC# (if known) **111302040102, 111302040103, 111302040104, 111302040108,**

Drainage area (Square miles, est.) **336** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **1** # of structures **3** Critical facilities **0**

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

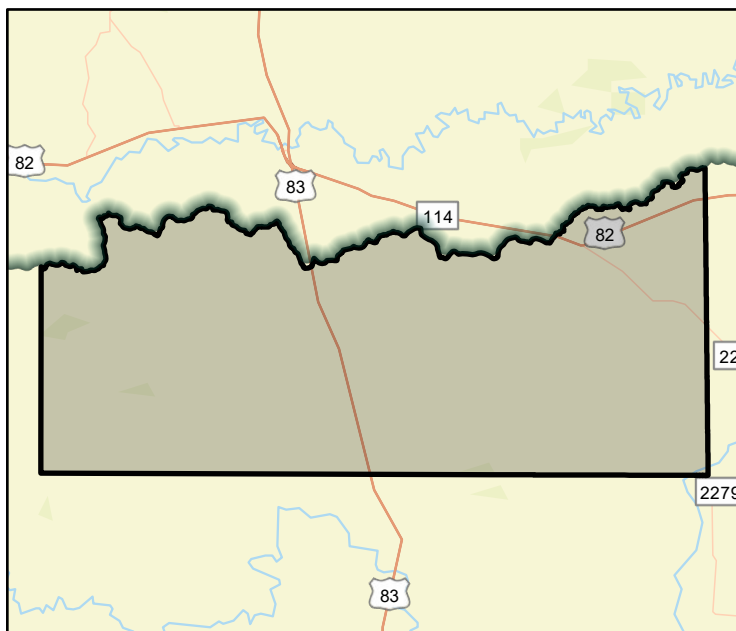
Farm/Ranch land impacted (acres) **409** Roadway(s) impacted (length) **7**

Number of low water crossings **1** Historical road closures **0**

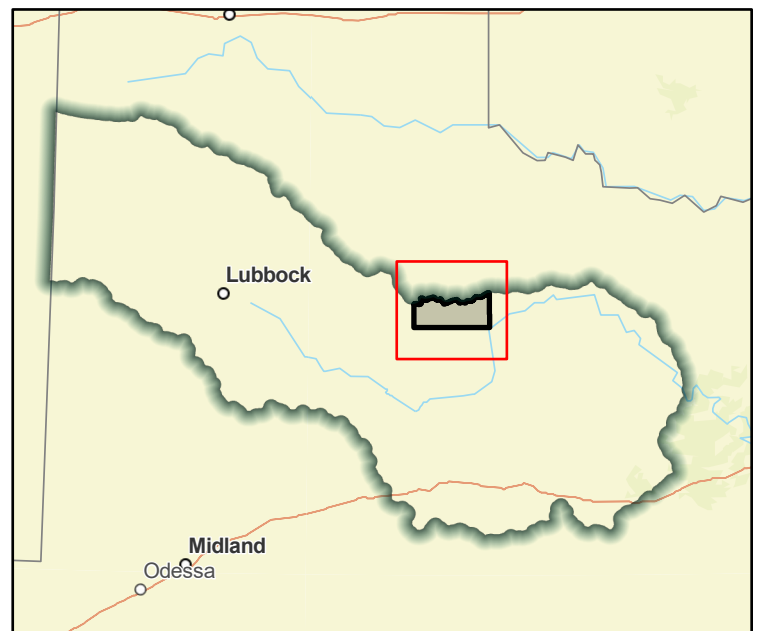
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title King County GIS Development  
 ID# 071000101  
 Sponsor (name of entity, not person) King (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

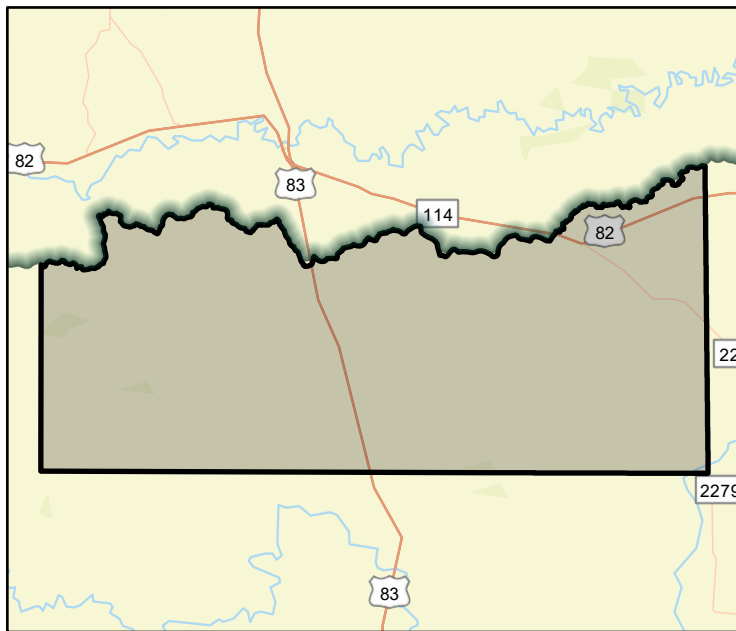
Study type Other  
 Study description Develop a GIS inventory of stormwater infrastructure  
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No  
 County King Watershed HUC# (if known) 111302040102, 111302040103, 111302040104, 111302040108,  
 Drainage area (Square miles, est.) 336 Goal(s) 07000011, 07000012

## 100-Year Flood Risk Summary

Population at risk 1 # of structures 3 Critical facilities 0  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 409 Roadway(s) impacted (length) 7  
 Number of low water crossings 1 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **King County Initial FEMA Mapping**

ID# **071000011**

Sponsor (name of entity, not person) **King (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Create FEMA Mapping in previously unmapped areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **King** Watershed HUC# (if known) **111302040102, 111302040103, 111302040104, 111302040108,**

Drainage area (Square miles, est.) **336** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **1** # of structures **3** Critical facilities **0**

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

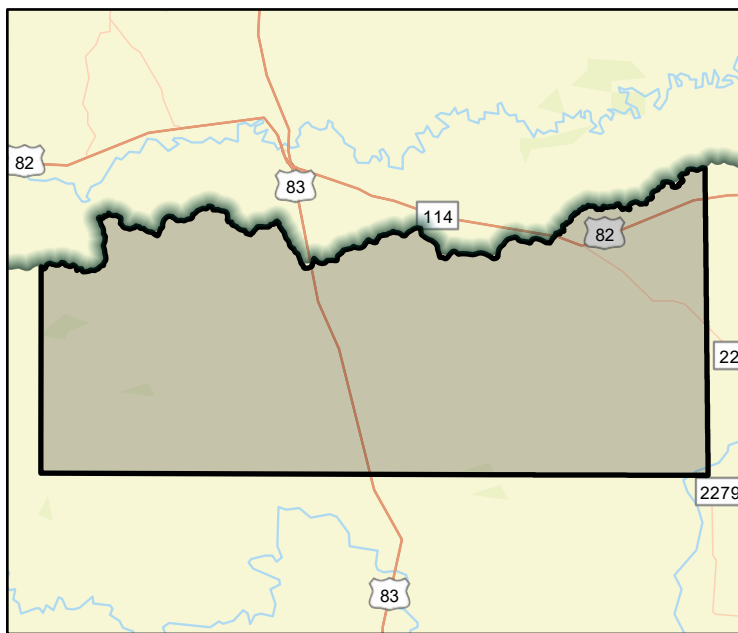
Farm/Ranch land impacted (acres) **409** Roadway(s) impacted (length) **7**

Number of low water crossings **1** Historical road closures **0**

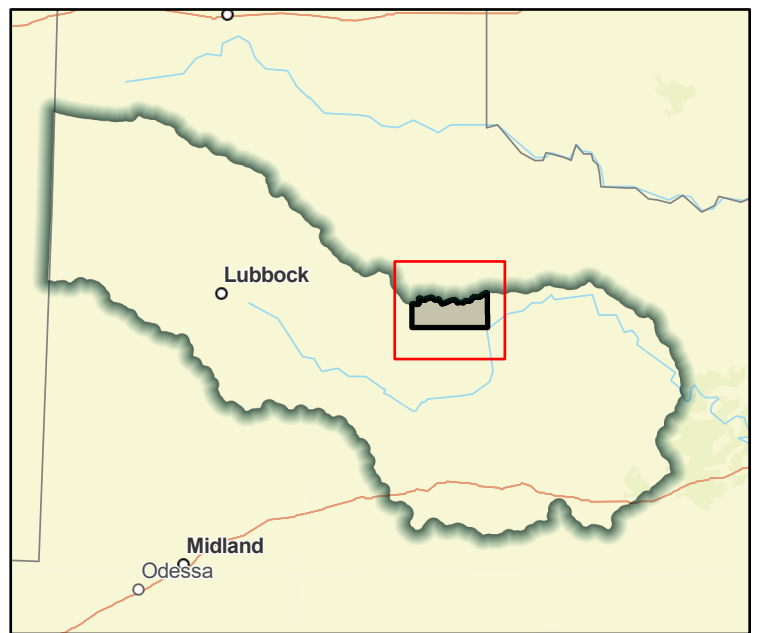
## Estimated Cost and Funding Availability

Total Cost **\$954,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Knox County DCM**

ID# **071000172**

Sponsor (name of entity, not person) **Knox (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Knox** Watershed HUC# (if known) **111302040206, 111302040301, 111302040302, 111302040303,**

Drainage area (Square miles, est.) **432** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **1,310** # of structures **968** Critical facilities **4**

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

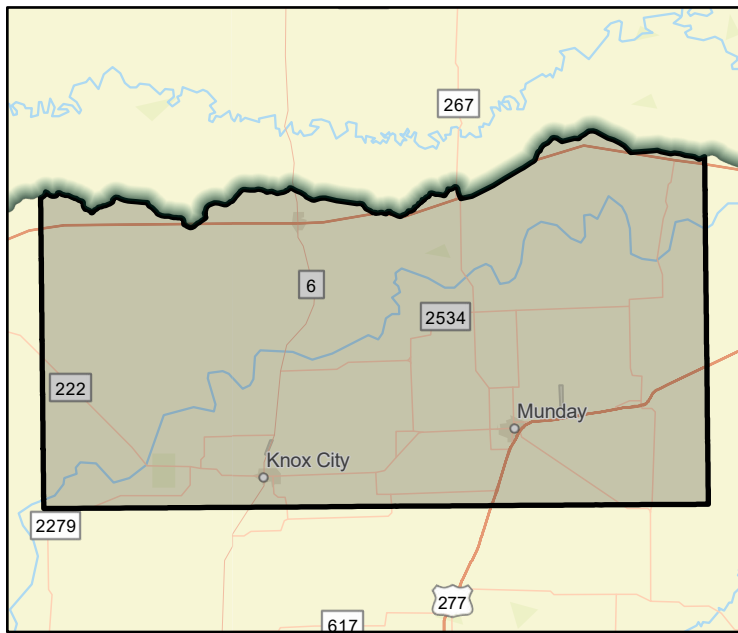
Farm/Ranch land impacted (acres) **33,293** Roadway(s) impacted (length) **130**

Number of low water crossings **2** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Knox County DMP**

ID# **071000064**

Sponsor (name of entity, not person) **Knox (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Knox** Watershed HUC# (if known) **111302040206, 111302040301, 111302040302, 111302040303,**

Drainage area (Square miles, est.) **432** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **1,310** # of structures **968** Critical facilities **4**

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

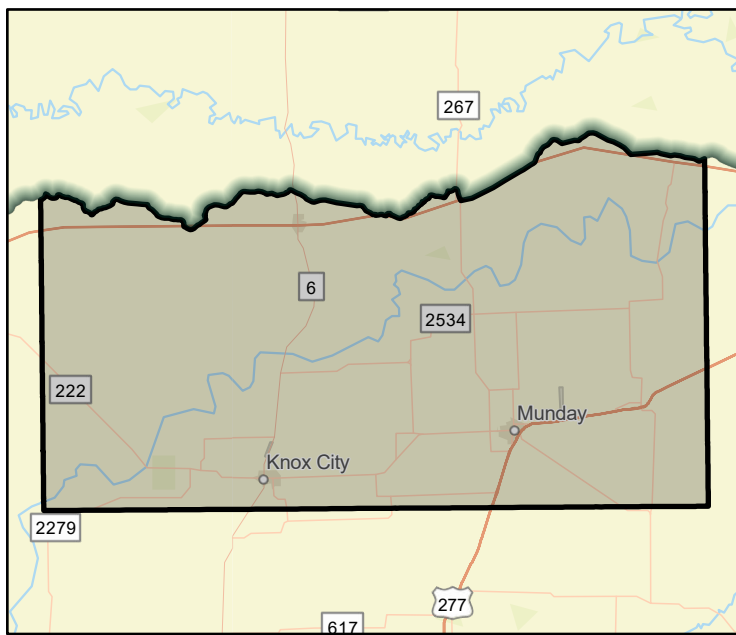
Farm/Ranch land impacted (acres) **33,293** Roadway(s) impacted (length) **130**

Number of low water crossings **2** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Knox County GIS Development**

ID# **071000102**

Sponsor (name of entity, not person) **Knox (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Knox** Watershed HUC# (if known) **111302040206, 111302040301, 111302040302, 111302040303,**

Drainage area (Square miles, est.) **432** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **1,310** # of structures **968** Critical facilities **4**

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

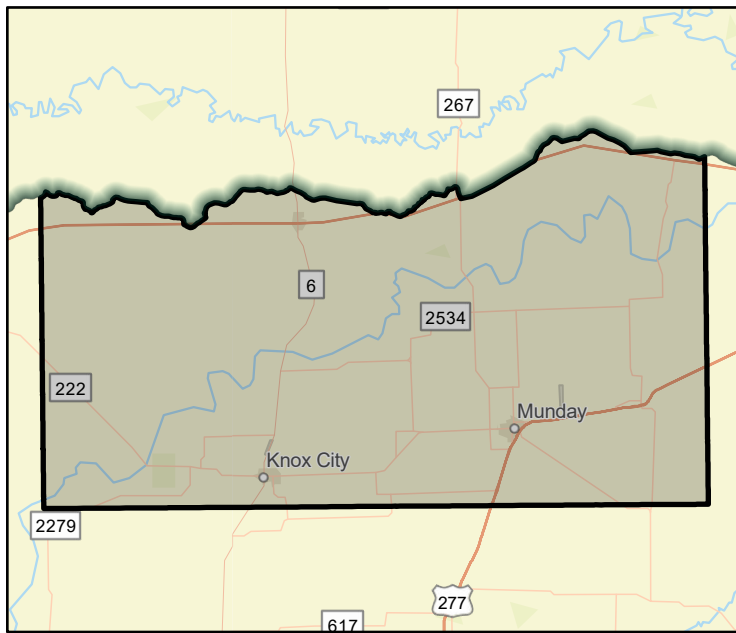
Farm/Ranch land impacted (acres) **33,293** Roadway(s) impacted (length) **130**

Number of low water crossings **2** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Knox County Initial FEMA Mapping**

ID# **071000012**

Sponsor (name of entity, not person) **Knox (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Create FEMA Mapping in previously unmapped areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Knox** Watershed HUC# (if known) **111302040206, 111302040301, 111302040302, 111302040303,**

Drainage area (Square miles, est.) **432** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **1,310** # of structures **968** Critical facilities **4**

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

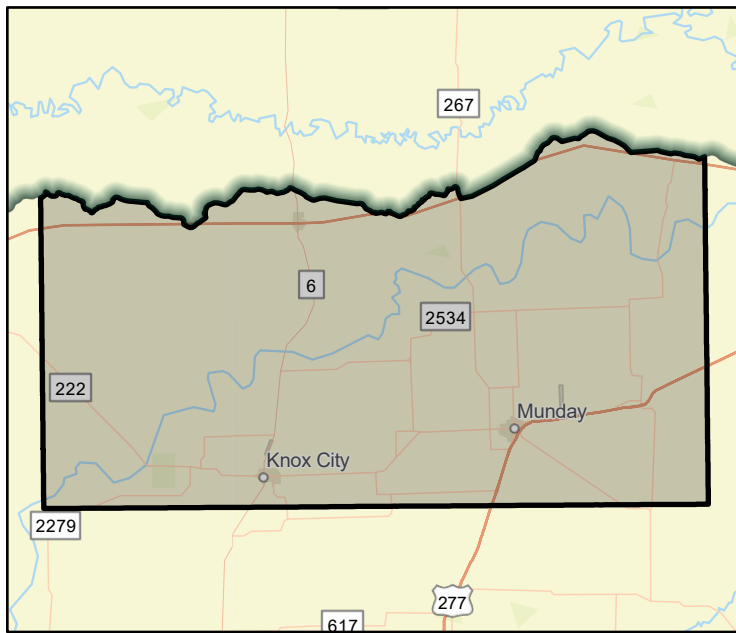
Farm/Ranch land impacted (acres) **33,293** Roadway(s) impacted (length) **130**

Number of low water crossings **2** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$871,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Knox County Relocate Critical Facilities High Hazard**

ID# **071000173**

Sponsor (name of entity, not person) **Knox (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Relocate critical facilities out of high hazard areas.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Knox** Watershed HUC# (if known) **111302040206, 111302040301, 111302040302, 111302040303,**

Drainage area (Square miles, est.) **432** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **1,310** # of structures **968** Critical facilities **4**

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

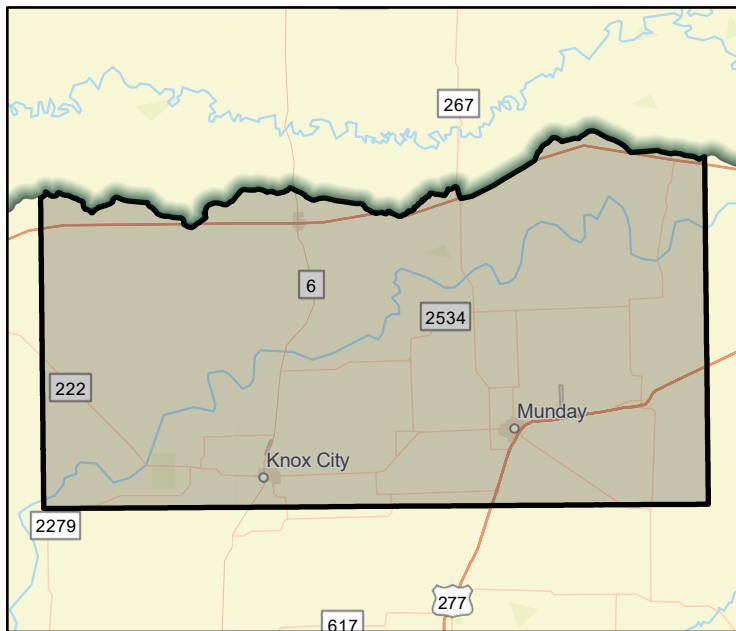
Farm/Ranch land impacted (acres) **33,293** Roadway(s) impacted (length) **130**

Number of low water crossings **2** Historical road closures **0**

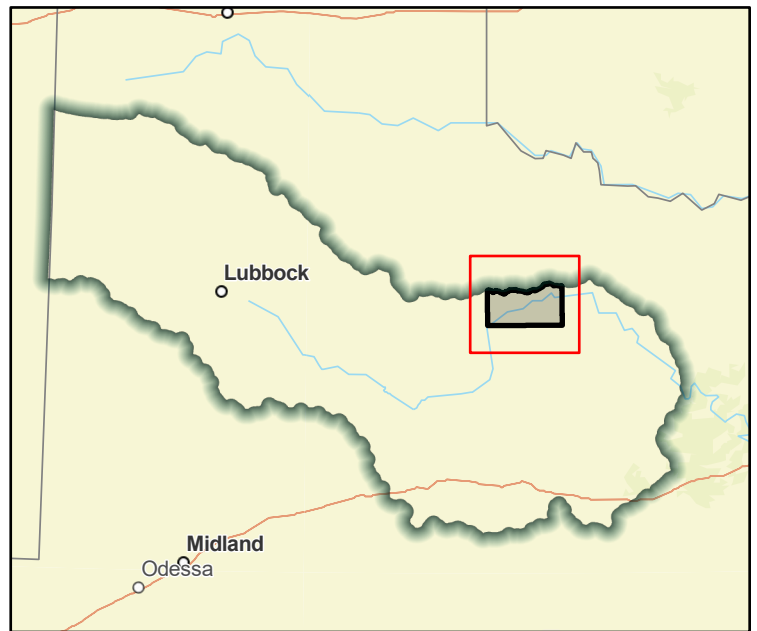
## Estimated Cost and Funding Availability

Total Cost **\$2,000,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Knox County Tax Incentive Program**

ID# **071000174**

Sponsor (name of entity, not person) **Knox (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider providing tax incentives for development of low-hazard land parcels.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Knox** Watershed HUC# (if known) **111302040206, 111302040301, 111302040302, 111302040303,**

Drainage area (Square miles, est.) **432** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **1,310** # of structures **968** Critical facilities **4**

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

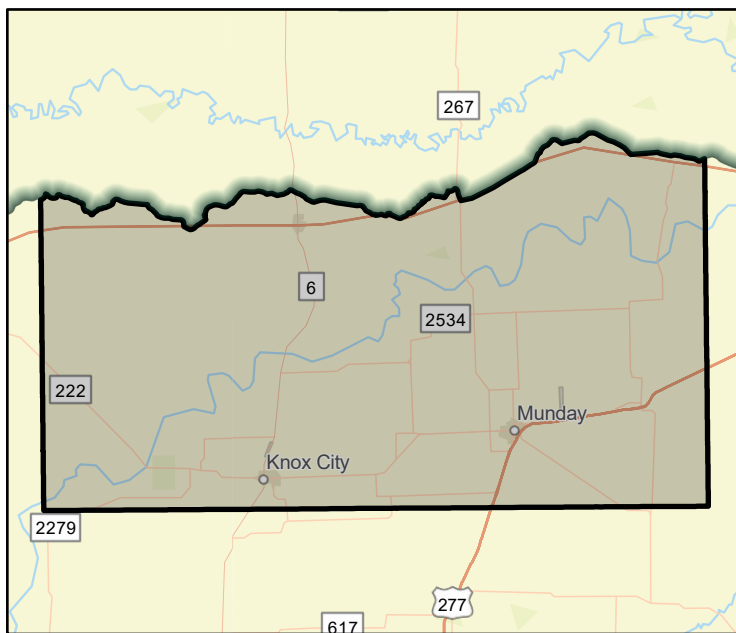
Farm/Ranch land impacted (acres) **33,293** Roadway(s) impacted (length) **130**

Number of low water crossings **2** Historical road closures **0**

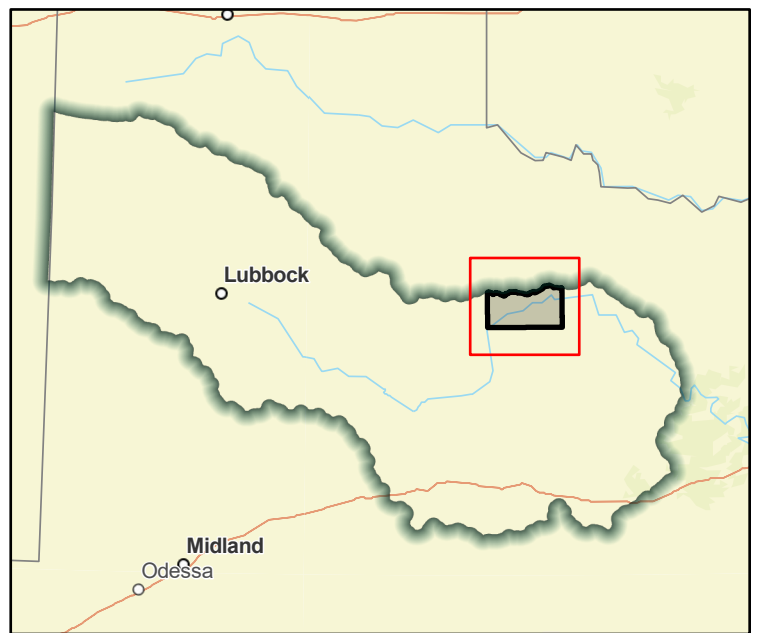
## Estimated Cost and Funding Availability

Total Cost **\$25,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Knox Flood Protection Lift Station Program**

ID# **071000175**

Sponsor (name of entity, not person) **Knox (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Flood-proof sewage treatment plants in flood hazard / low-lying areas.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Knox** Watershed HUC# (if known) **111302040206, 111302040301, 111302040302, 111302040303,**

Drainage area (Square miles, est.) **432** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **1,310** # of structures **968** Critical facilities **4**

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

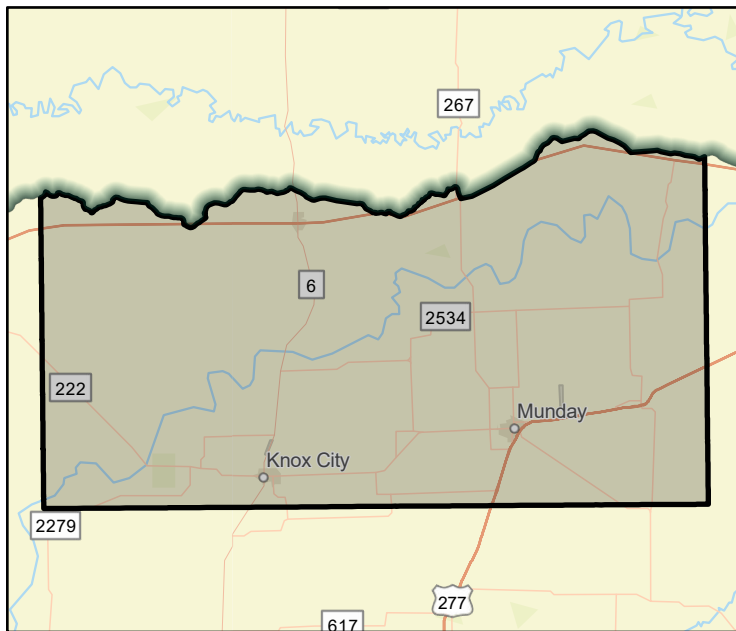
Farm/Ranch land impacted (acres) **33,293** Roadway(s) impacted (length) **130**

Number of low water crossings **2** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Lake Benjamin Dam Evaluation**

ID# **071000116**

Sponsor (name of entity, not person) **Knox (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Perform full H&H analysis and dam assessment of Lake Benjamin Dam. Assess needs for slope stability and spillway improvements.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Knox** Watershed HUC# (if known) **111302040206, 111302040301, 111302040302, 111302040303,**

Drainage area (Square miles, est.) **432** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **1,310** # of structures **968** Critical facilities **4**

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

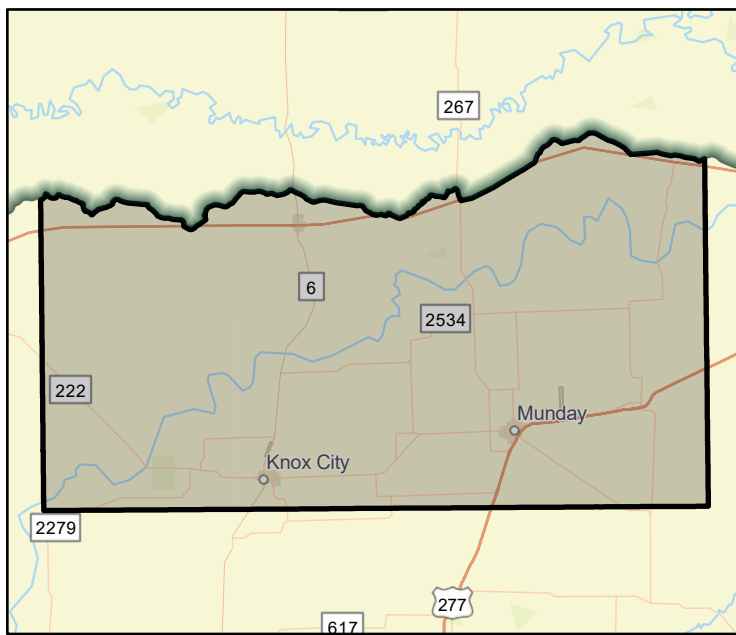
Farm/Ranch land impacted (acres) **33,293** Roadway(s) impacted (length) **130**

Number of low water crossings **2** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$58,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Lamb County DCM**

ID# **071000176**

Sponsor (name of entity, not person) **Lamb (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lamb** Watershed HUC# (if known) **120500010507, 120500010805, 120500011001, 120500011002,**

Drainage area (Square miles, est.) **1,016** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **932** # of structures **438** Critical facilities **3**

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

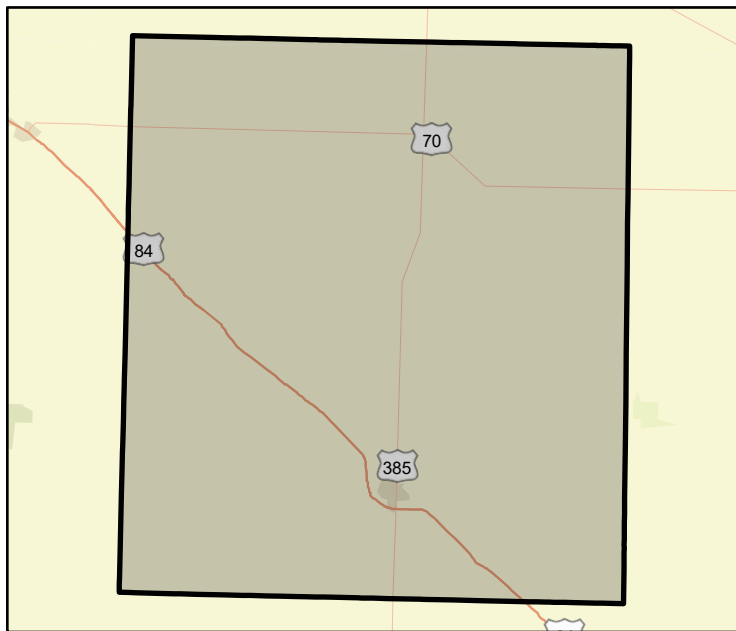
Farm/Ranch land impacted (acres) **46,013** Roadway(s) impacted (length) **612**

Number of low water crossings **24** Historical road closures **0**

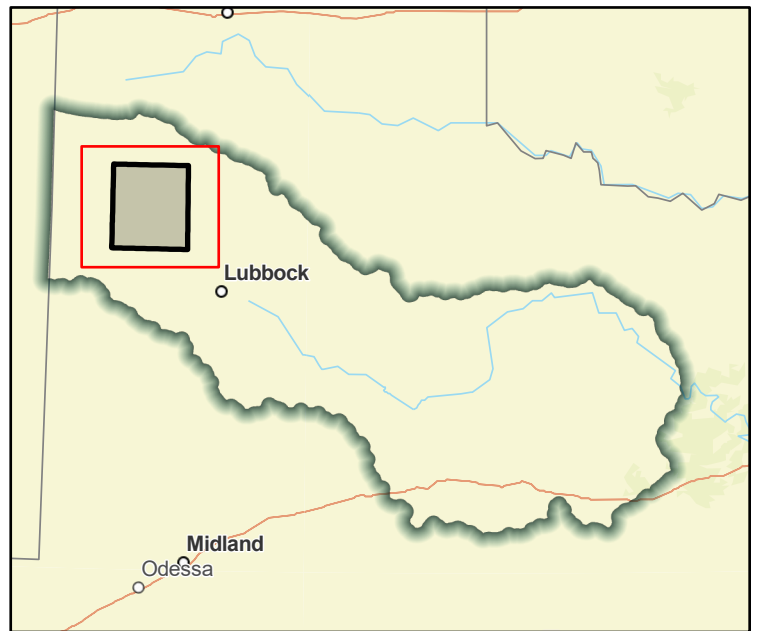
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Lamb County DMP**

ID# **071000065**

Sponsor (name of entity, not person) **Lamb (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lamb** Watershed HUC# (if known) **120500010507, 120500010805, 120500011001, 120500011002,**

Drainage area (Square miles, est.) **1,016** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **932** # of structures **438** Critical facilities **3**

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

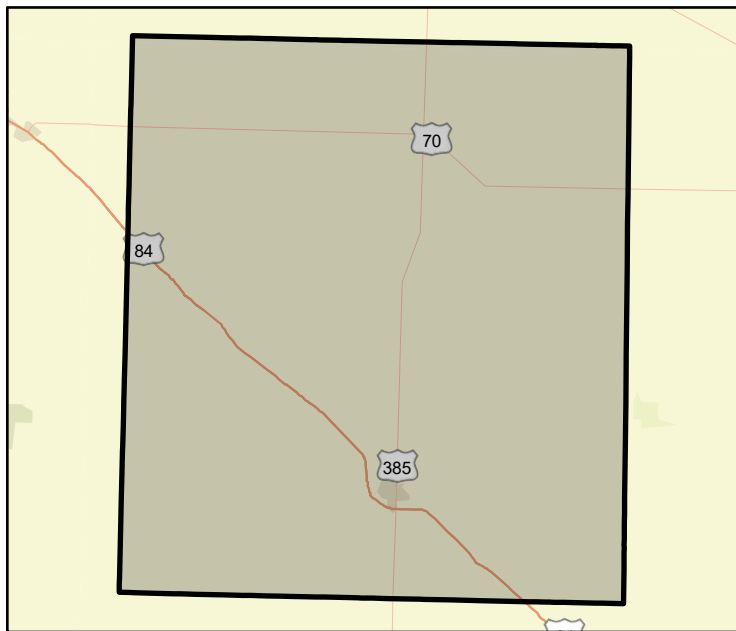
Farm/Ranch land impacted (acres) **46,013** Roadway(s) impacted (length) **612**

Number of low water crossings **24** Historical road closures **0**

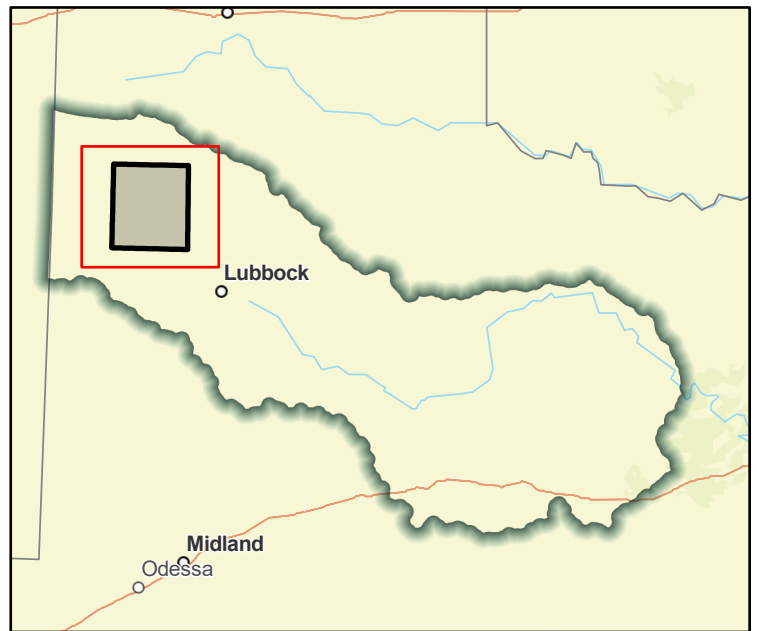
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Lamb County GIS Development**

ID# **071000103**

Sponsor (name of entity, not person) **Lamb (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lamb** Watershed HUC# (if known) **120500010507, 120500010805, 120500011001, 120500011002,**

Drainage area (Square miles, est.) **1,016** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **932** # of structures **438** Critical facilities **3**

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

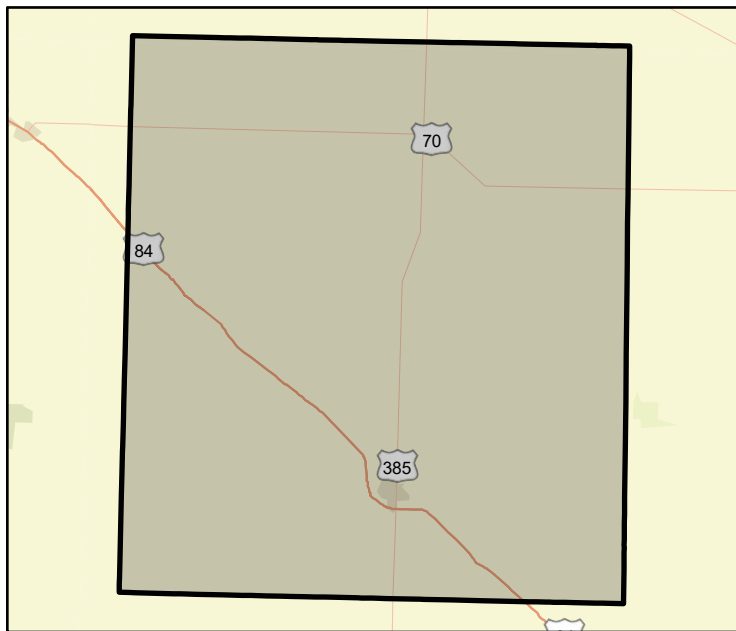
Farm/Ranch land impacted (acres) **46,013** Roadway(s) impacted (length) **612**

Number of low water crossings **24** Historical road closures **0**

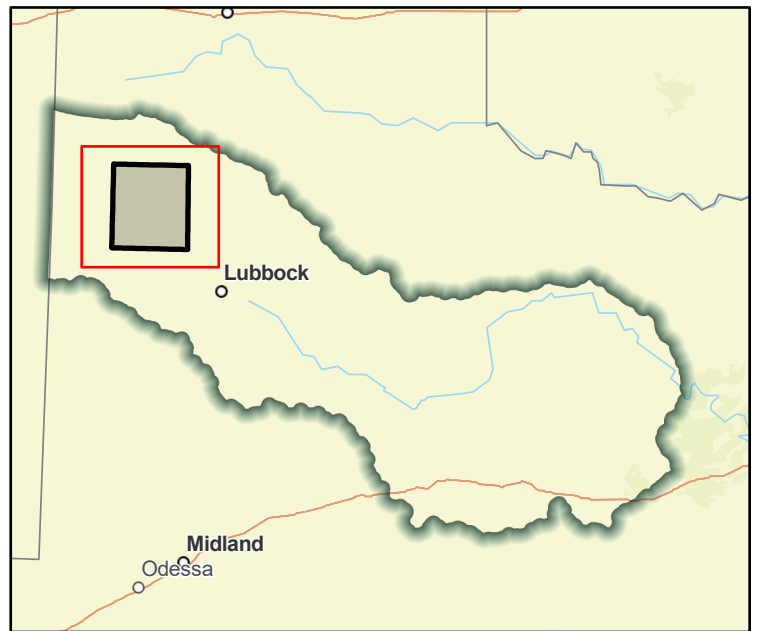
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Lamb County Initial FEMA Mapping**

ID# **071000013**

Sponsor (name of entity, not person) **Lamb (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Create FEMA Mapping in previously unmapped areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lamb** Watershed HUC# (if known) **120500010507, 120500010805, 120500011001, 120500011002,**

Drainage area (Square miles, est.) **1,016** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **932** # of structures **438** Critical facilities **3**

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

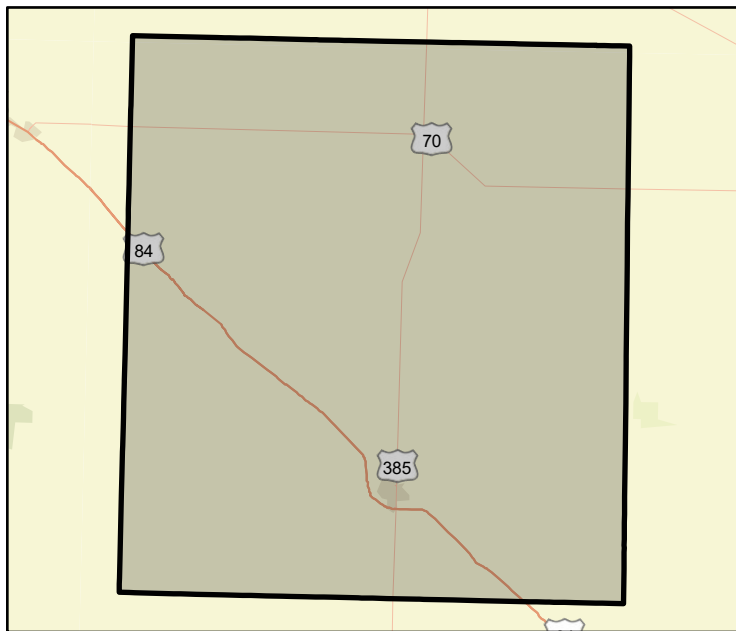
Farm/Ranch land impacted (acres) **46,013** Roadway(s) impacted (length) **612**

Number of low water crossings **24** Historical road closures **0**

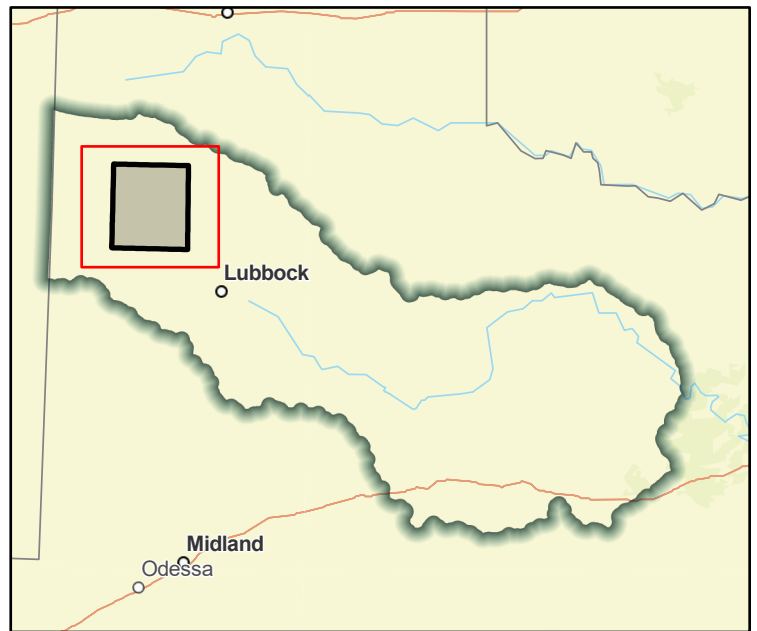
## Estimated Cost and Funding Availability

Total Cost **\$890,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Lubbock County DCM**

ID# **071000177**

Sponsor (name of entity, not person) **Lubbock (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lubbock** Watershed HUC# (if known) **120500011203, 120500011302, 120500011303, 120500011304,**

Drainage area (Square miles, est.) **898** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **20,269** # of structures **6,880** Critical facilities **9**

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

Farm/Ranch land impacted (acres) **50,570** Roadway(s) impacted (length) **358**

Number of low water crossings **29** Historical road closures **0**

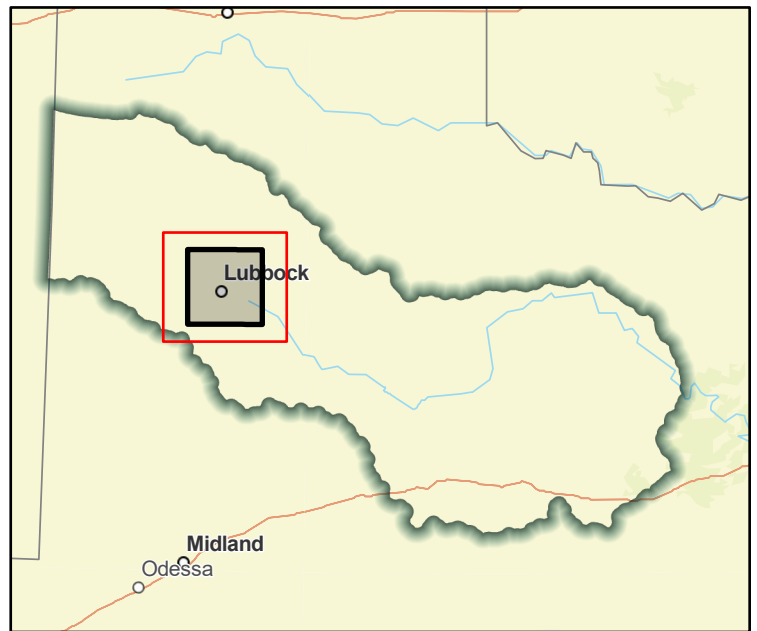
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Lubbock County Floodplain Open Space Program**

ID# **071000178**

Sponsor (name of entity, not person) **Lubbock (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lubbock** Watershed HUC# (if known) **120500011203, 120500011302, 120500011303, 120500011304,**

Drainage area (Square miles, est.) **898** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **20,269** # of structures **6,880** Critical facilities **9**

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

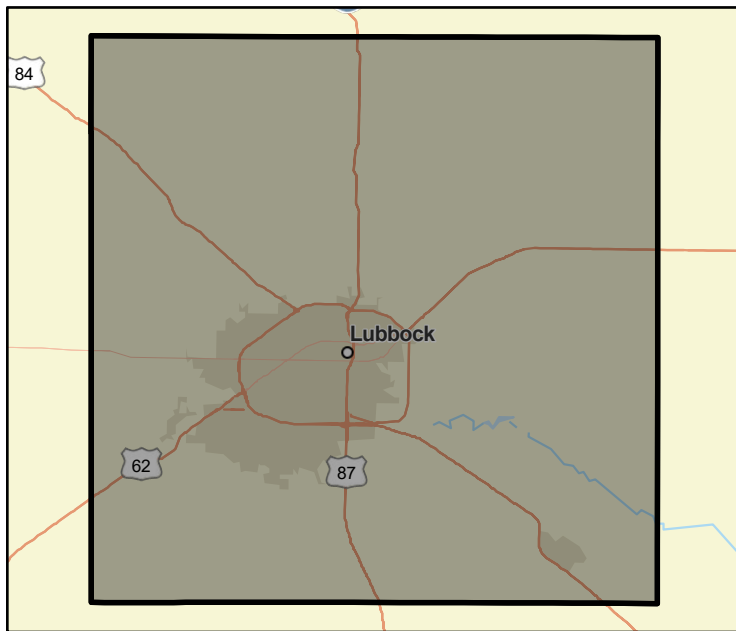
Farm/Ranch land impacted (acres) **50,570** Roadway(s) impacted (length) **358**

Number of low water crossings **29** Historical road closures **0**

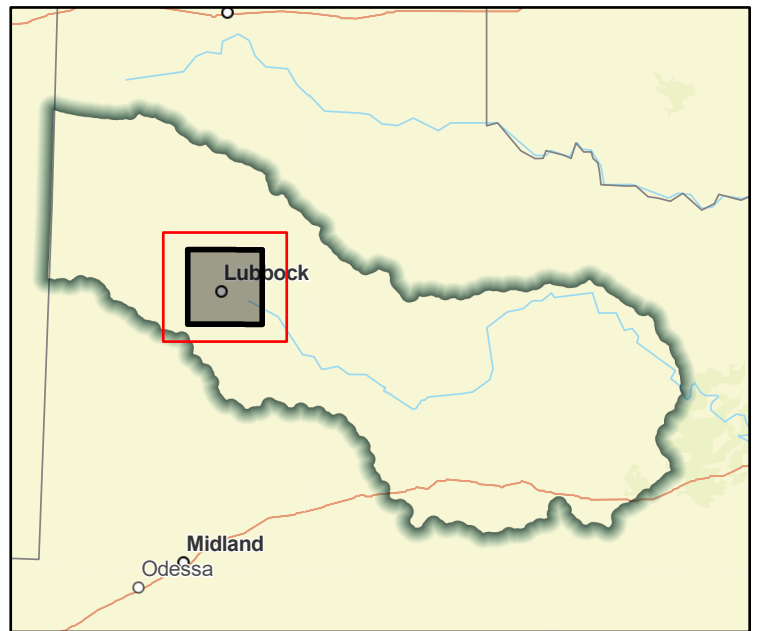
## Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Lubbock County Floodplain Open Space Program**

ID# **071000212**

Sponsor (name of entity, not person) **Lubbock (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lubbock** Watershed HUC# (if known) **120500011203, 120500011302, 120500011303, 120500011304,**

Drainage area (Square miles, est.) **898** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **20,269** # of structures **6,880** Critical facilities **9**

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

Farm/Ranch land impacted (acres) **50,570** Roadway(s) impacted (length) **358**

Number of low water crossings **29** Historical road closures **0**

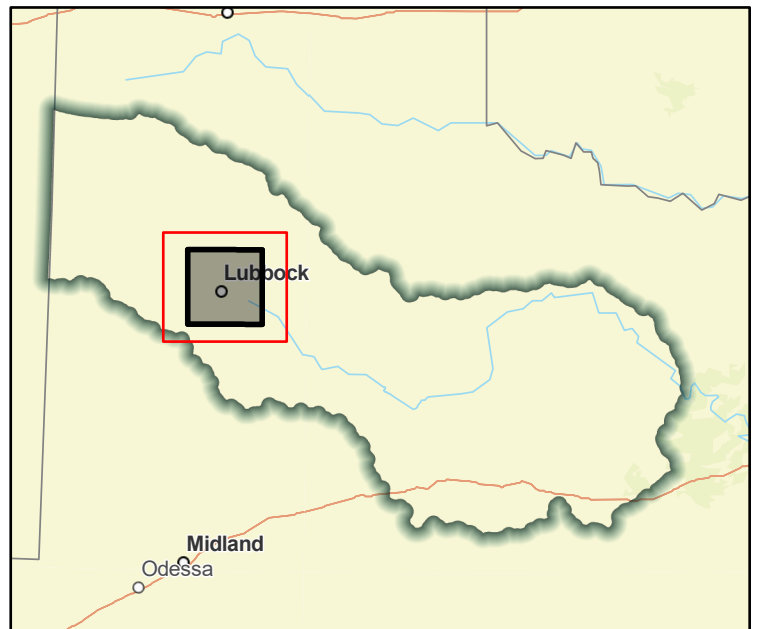
## Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Lynn County DCM**

ID# **071000179**

Sponsor (name of entity, not person) **Lynn (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lynn** Watershed HUC# (if known) **120500030203, 120500030401, 120500030402, 120500030403,**

Drainage area (Square miles, est.) **673** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **217** # of structures **81** Critical facilities **0**

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

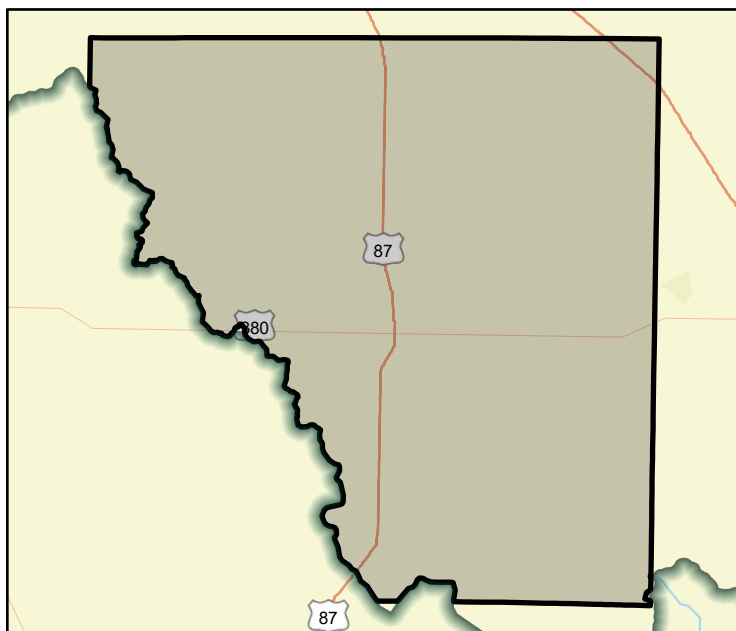
Farm/Ranch land impacted (acres) **52,669** Roadway(s) impacted (length) **475**

Number of low water crossings **7** Historical road closures **0**

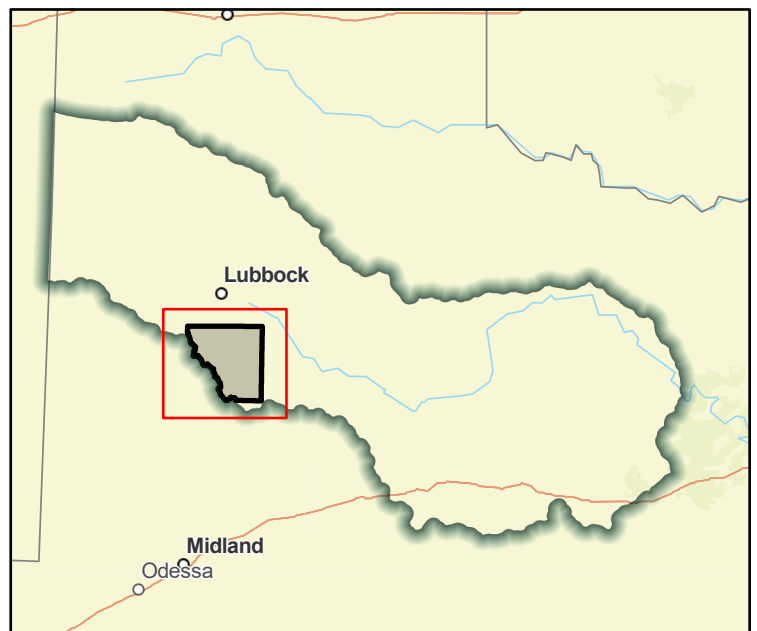
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Lynn County DMP**  
ID# **071000066**  
Sponsor (name of entity, not person) **Lynn (County)**  
RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

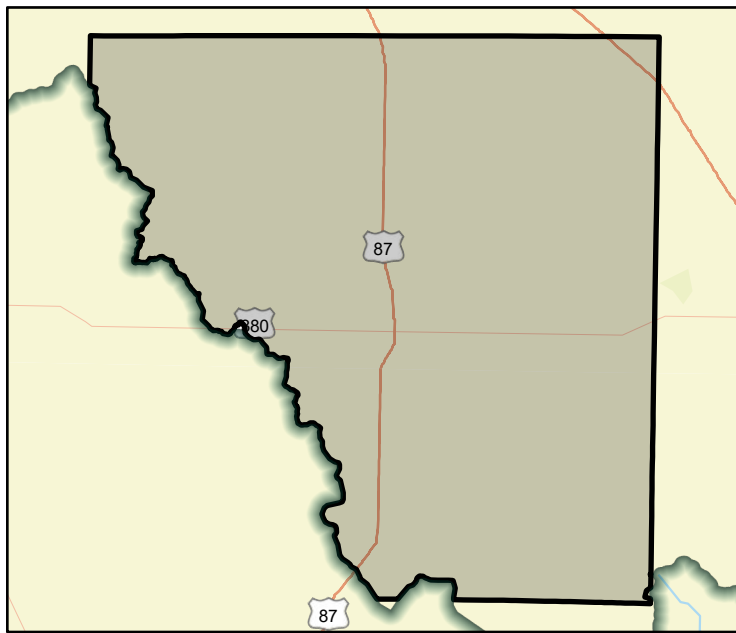
Study type **Watershed Planning**  
Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**  
New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**  
County **Lynn** Watershed HUC# (if known) **120500030203, 120500030401, 120500030402, 120500030403,**  
Drainage area (Square miles, est.) **673** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

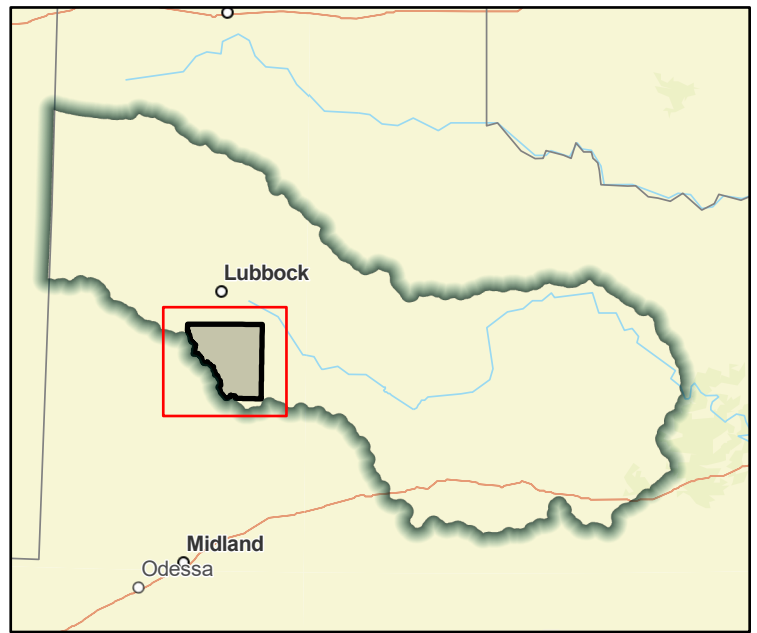
Population at risk **217** # of structures **81** Critical facilities **0**  
Flood risk type: Riverine? **No** Coastal? **No** Local? **No** Playa? **Yes** Other? **No**  
Farm/Ranch land impacted (acres) **52,669** Roadway(s) impacted (length) **475**  
Number of low water crossings **7** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**  
Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Lynn County GIS Development**

ID# **071000104**

Sponsor (name of entity, not person) **Lynn (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lynn** Watershed HUC# (if known) **120500030203, 120500030401, 120500030402, 120500030403,**

Drainage area (Square miles, est.) **673** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **217** # of structures **81** Critical facilities **0**

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

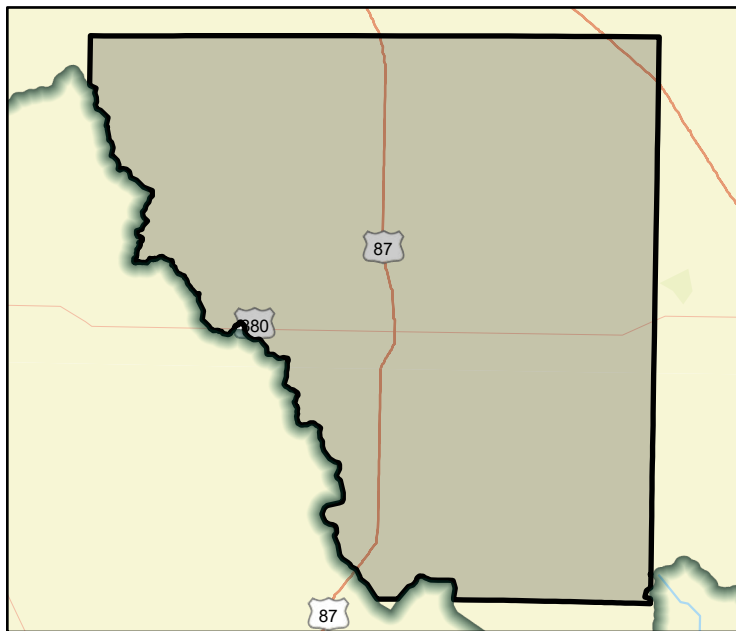
Farm/Ranch land impacted (acres) **52,669** Roadway(s) impacted (length) **475**

Number of low water crossings **7** Historical road closures **0**

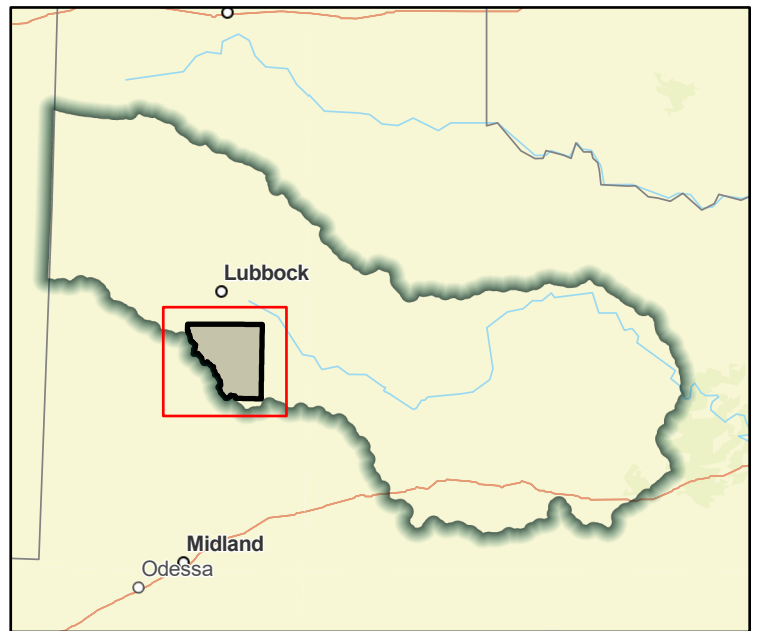
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Lynn County Initial FEMA Mapping**

ID# **071000014**

Sponsor (name of entity, not person) **Lynn (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Create FEMA Mapping in previously unmapped areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Lynn** Watershed HUC# (if known) **120500030203, 120500030401, 120500030402, 120500030403,**

Drainage area (Square miles, est.) **673** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **217** # of structures **81** Critical facilities **0**

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

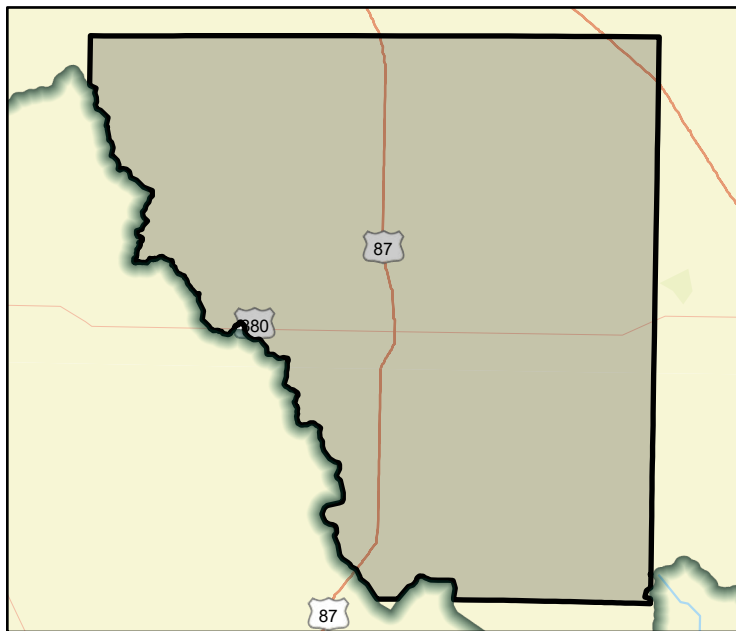
Farm/Ranch land impacted (acres) **52,669** Roadway(s) impacted (length) **475**

Number of low water crossings **7** Historical road closures **0**

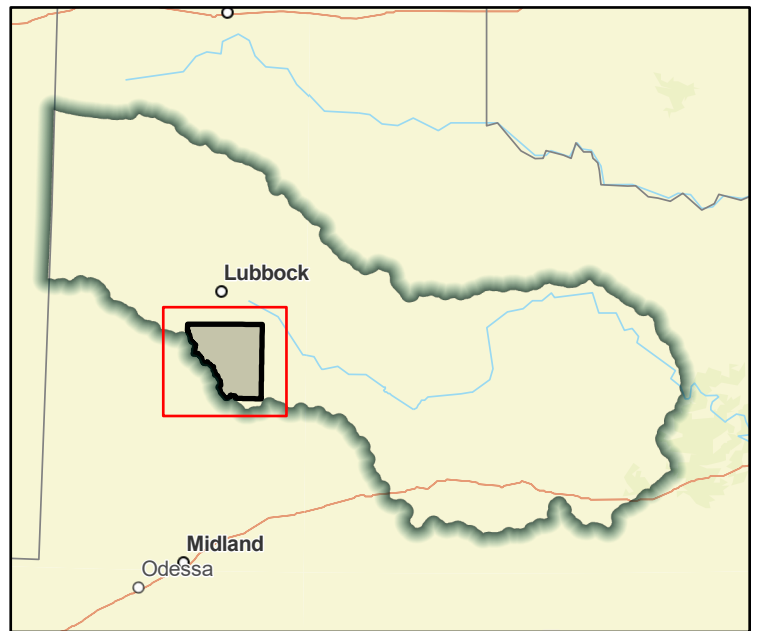
## Estimated Cost and Funding Availability

Total Cost **\$778,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Mackenzie Park South - Santa Land Rd**

ID# **071000215**

Sponsor (name of entity, not person) **Lubbock (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Mackenzie Park South - Santa Land Rd Area of Interest**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **Yes** Existing/Anticipated models in near term? **No**

County **Lubbock** Watershed HUC# (if known) **120500060201,120500040201,120500011005,120500011006,120500011**

Drainage area (Square miles, est.) **2,001** Goal(s) **07000021, 07000022, 07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **3,067** # of structures **1,700** Critical facilities **6**

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

Farm/Ranch land impacted (acres) **122,195** Roadway(s) impacted (length) **1,256**

Number of low water crossings **67** Historical road closures **0**

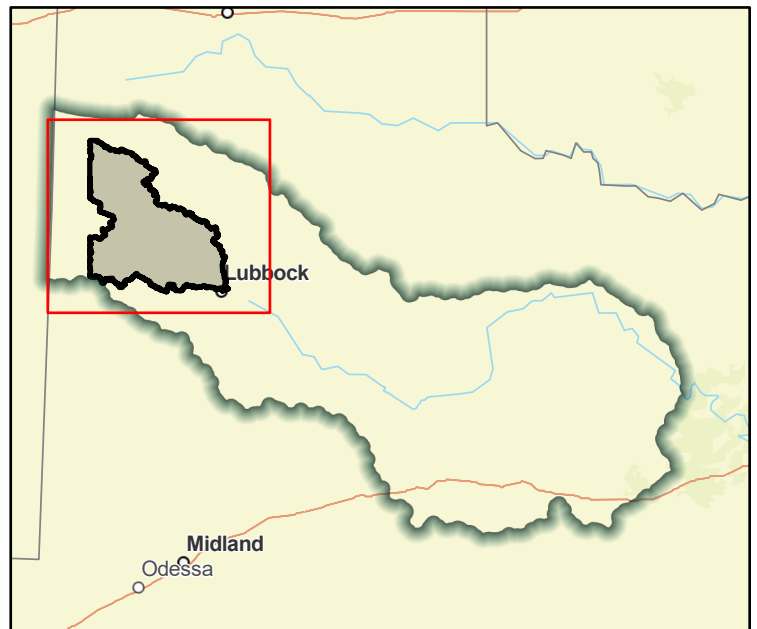
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Mitchell County DCM**

ID# **071000180**

Sponsor (name of entity, not person) **Mitchell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Mitchell** Watershed HUC# (if known) **120601020101, 120601020201, 120800020606, 120800020607,**

Drainage area (Square miles, est.) **8** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **1** Critical facilities **0**

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

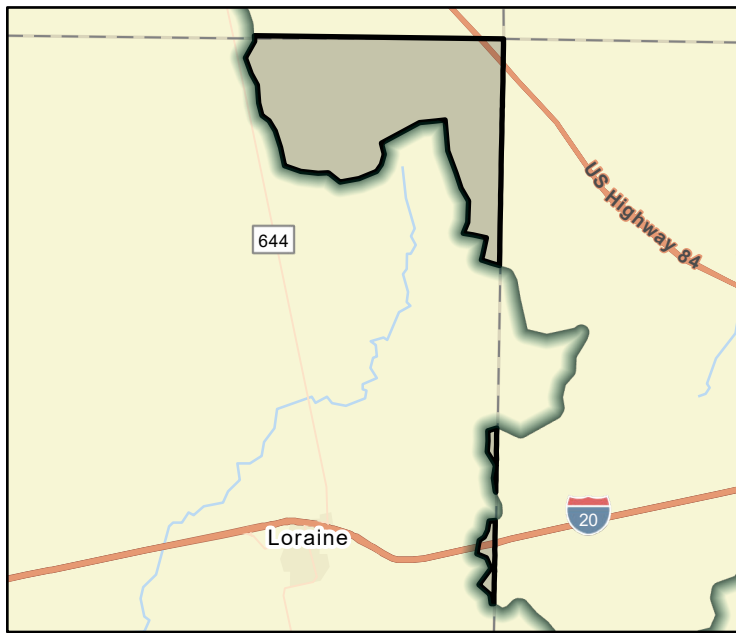
Farm/Ranch land impacted (acres) **257** Roadway(s) impacted (length) **2**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Mitchell County DMP**

ID# **071000067**

Sponsor (name of entity, not person) **Mitchell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Mitchell** Watershed HUC# (if known) **120601020101, 120601020201, 120800020606, 120800020607,**

Drainage area (Square miles, est.) **8** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **1** Critical facilities **0**

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

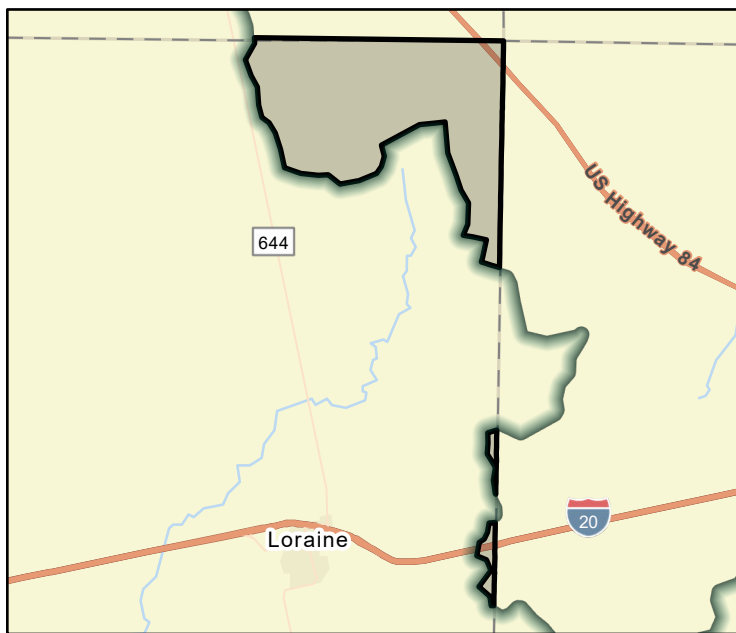
Farm/Ranch land impacted (acres) **257** Roadway(s) impacted (length) **2**

Number of low water crossings **0** Historical road closures **0**

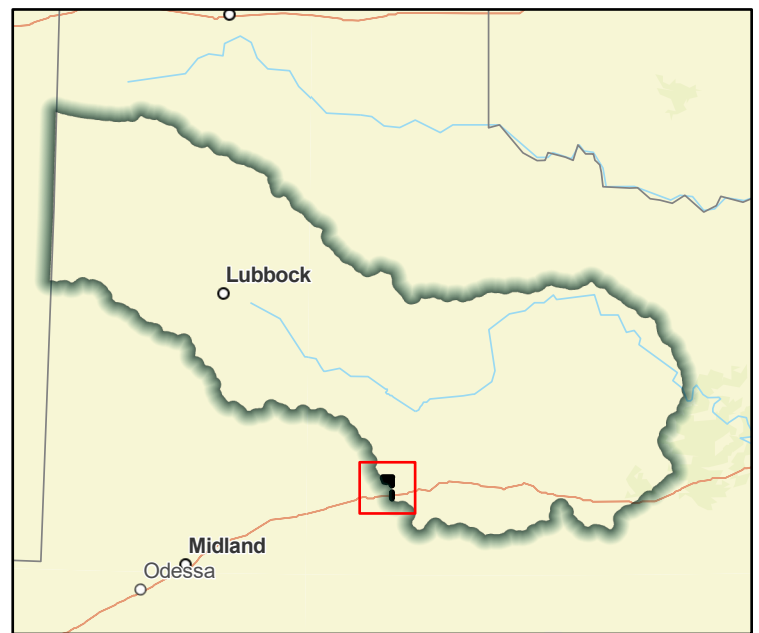
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Mitchell County GIS Development**  
ID# **071000105**  
Sponsor (name of entity, not person) **Mitchell (County)**  
RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

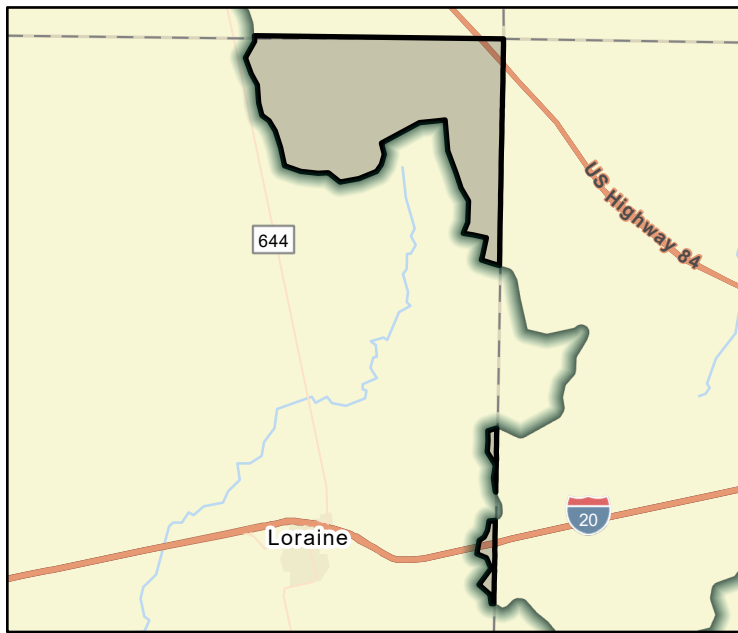
Study type **Other**  
Study description **Develop a GIS inventory of stormwater infrastructure**  
New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**  
County **Mitchell** Watershed HUC# (if known) **120601020101, 120601020201, 120800020606, 120800020607,**  
Drainage area (Square miles, est.) **8** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **1** Critical facilities **0**  
Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**  
Farm/Ranch land impacted (acres) **257** Roadway(s) impacted (length) **2**  
Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**  
Funding source **None**



# Flood Management Evaluation (FME)



Title **Mitchell County Update FEMA Mapping**

ID# **071000023**

Sponsor (name of entity, not person) **Mitchell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Update existing FEMA mapping**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Mitchell** Watershed HUC# (if known) **120601020101, 120601020201, 120800020606, 120800020607,**

Drainage area (Square miles, est.) **8** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **1** Critical facilities **0**

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

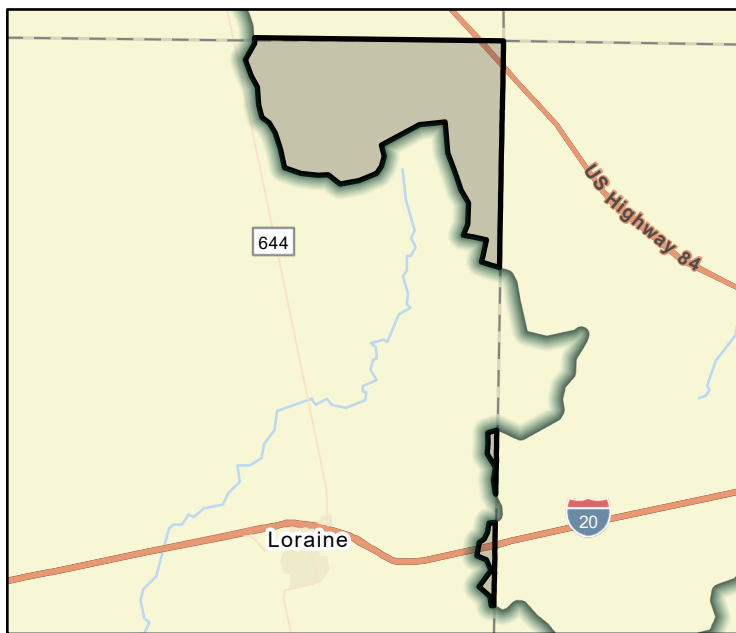
Farm/Ranch land impacted (acres) **257** Roadway(s) impacted (length) **2**

Number of low water crossings **0** Historical road closures **0**

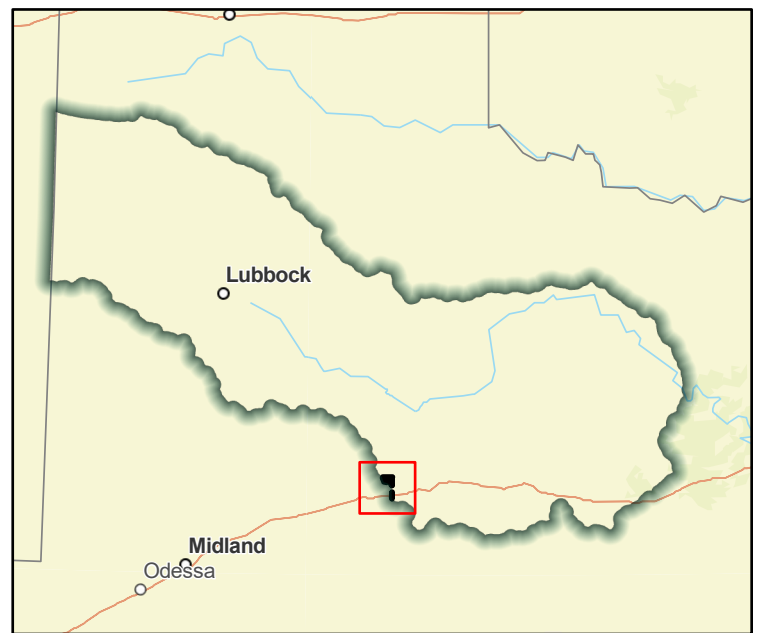
## Estimated Cost and Funding Availability

Total Cost **\$926,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Nolan County Buyout Program**

ID# **071000181**

Sponsor (name of entity, not person) **Nolan (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Acquire and demolish repetitive loss properties.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Nolan** Watershed HUC# (if known) **120601020101, 120601020102, 120601020103, 120601020104,**

Drainage area (Square miles, est.) **461** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **412** # of structures **264** Critical facilities **1**

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

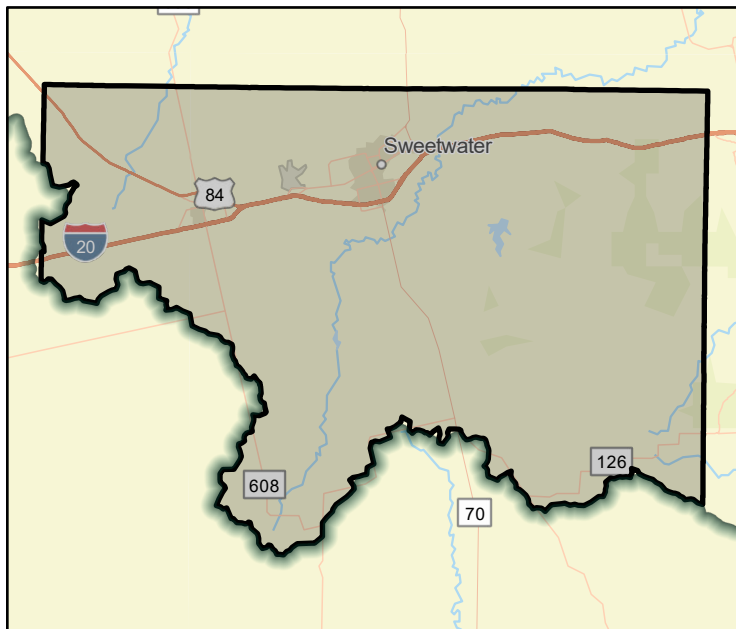
Farm/Ranch land impacted (acres) **9,929** Roadway(s) impacted (length) **41**

Number of low water crossings **21** Historical road closures **0**

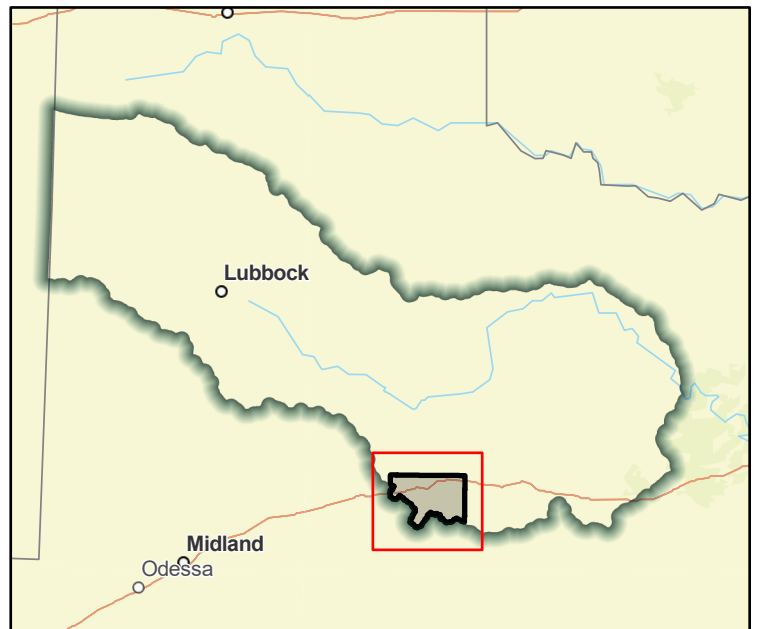
## Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Nolan County DCM**

ID# **071000182**

Sponsor (name of entity, not person) **Nolan (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Nolan** Watershed HUC# (if known) **120601020101, 120601020102, 120601020103, 120601020104,**

Drainage area (Square miles, est.) **461** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **412** # of structures **264** Critical facilities **1**

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

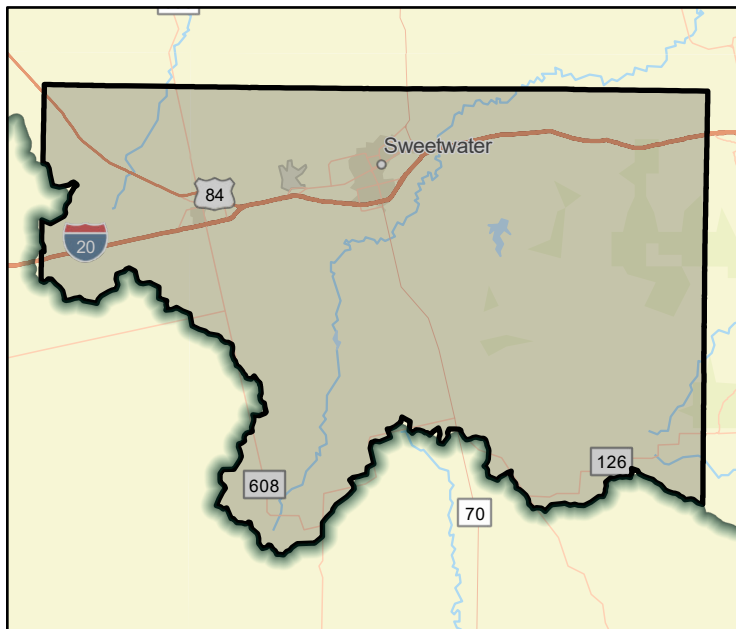
Farm/Ranch land impacted (acres) **9,929** Roadway(s) impacted (length) **41**

Number of low water crossings **21** Historical road closures **0**

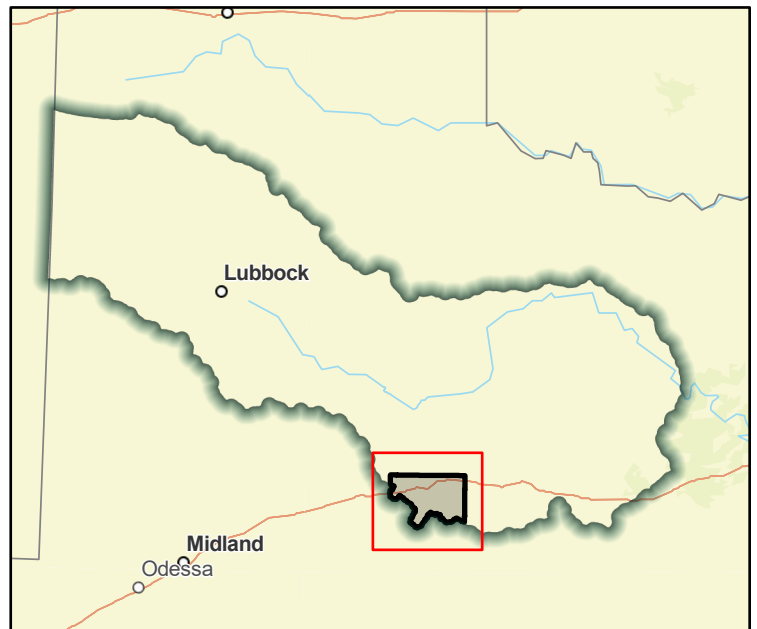
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Nolan County DMP**

ID# **071000068**

Sponsor (name of entity, not person) **Nolan (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Nolan** Watershed HUC# (if known) **120601020101, 120601020102, 120601020103, 120601020104,**

Drainage area (Square miles, est.) **461** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **412** # of structures **264** Critical facilities **1**

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

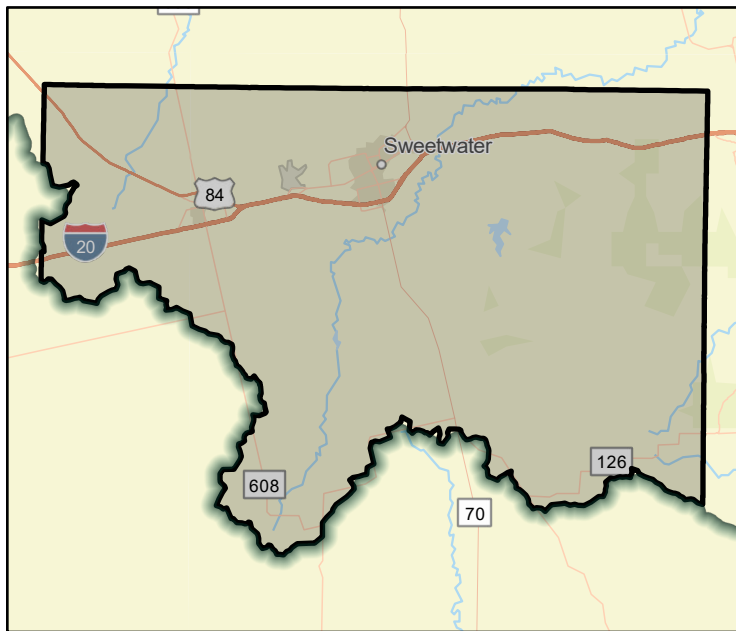
Farm/Ranch land impacted (acres) **9,929** Roadway(s) impacted (length) **41**

Number of low water crossings **21** Historical road closures **0**

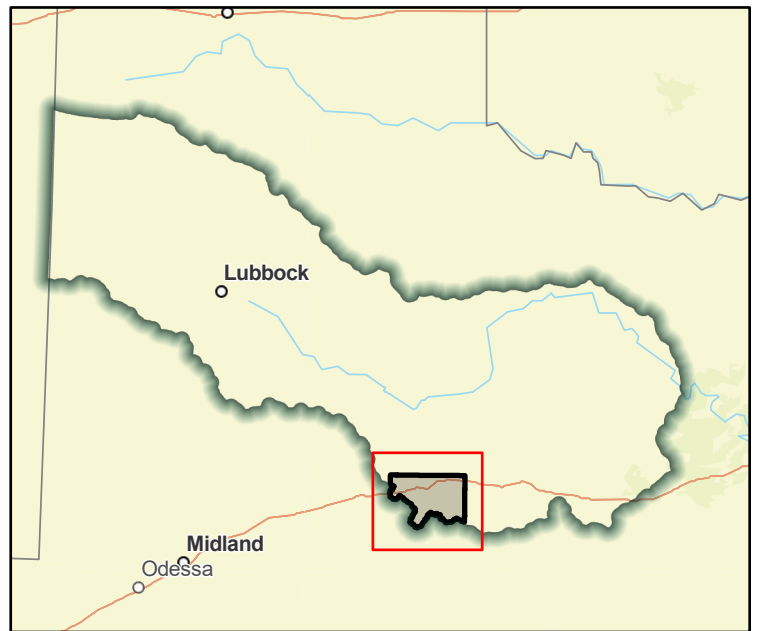
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Nolan County Floodplain Open Space Program**

ID# **071000183**

Sponsor (name of entity, not person) **Nolan (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Nolan** Watershed HUC# (if known) **120601020101, 120601020102, 120601020103, 120601020104,**

Drainage area (Square miles, est.) **461** Goal(s) **07000085**

## 100-Year Flood Risk Summary

Population at risk **412** # of structures **264** Critical facilities **1**

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

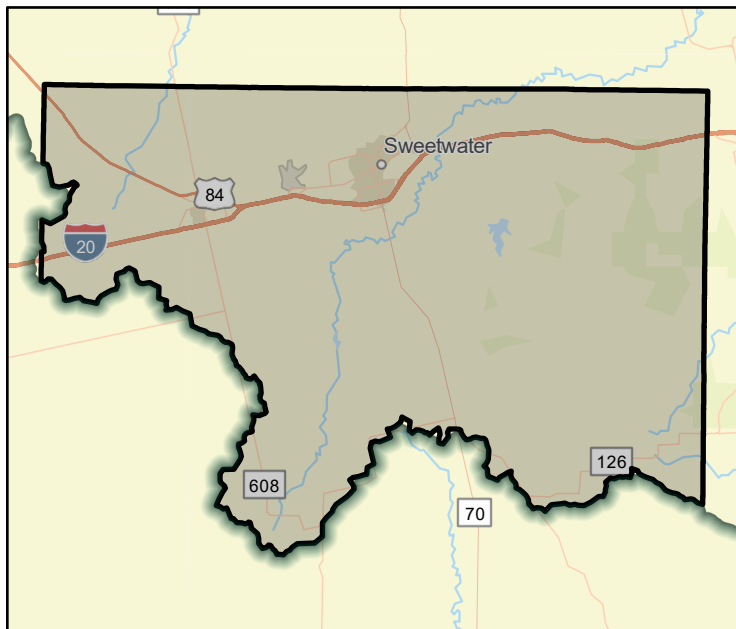
Farm/Ranch land impacted (acres) **9,929** Roadway(s) impacted (length) **41**

Number of low water crossings **21** Historical road closures **0**

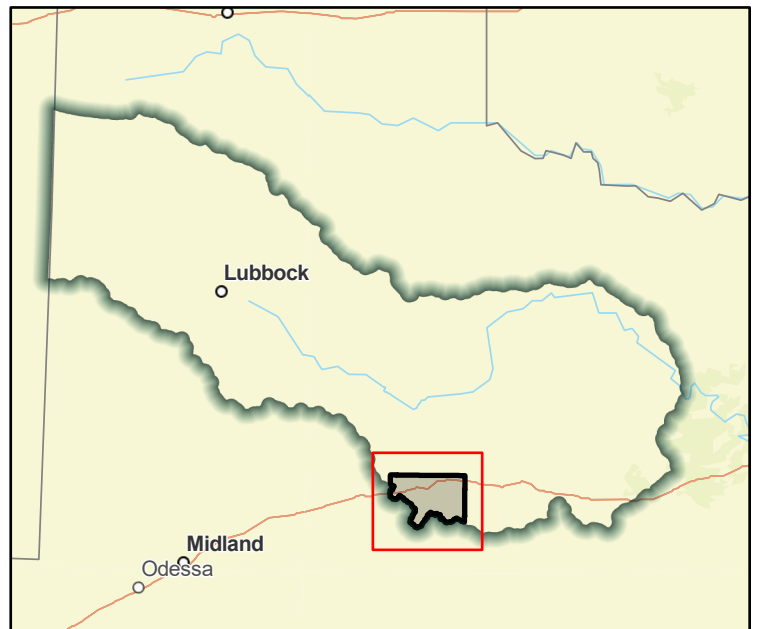
## Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Nolan County GIS Development**

ID# **071000106**

Sponsor (name of entity, not person) **Nolan (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Nolan** Watershed HUC# (if known) **120601020101, 120601020102, 120601020103, 120601020104,**

Drainage area (Square miles, est.) **461** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **412** # of structures **264** Critical facilities **1**

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

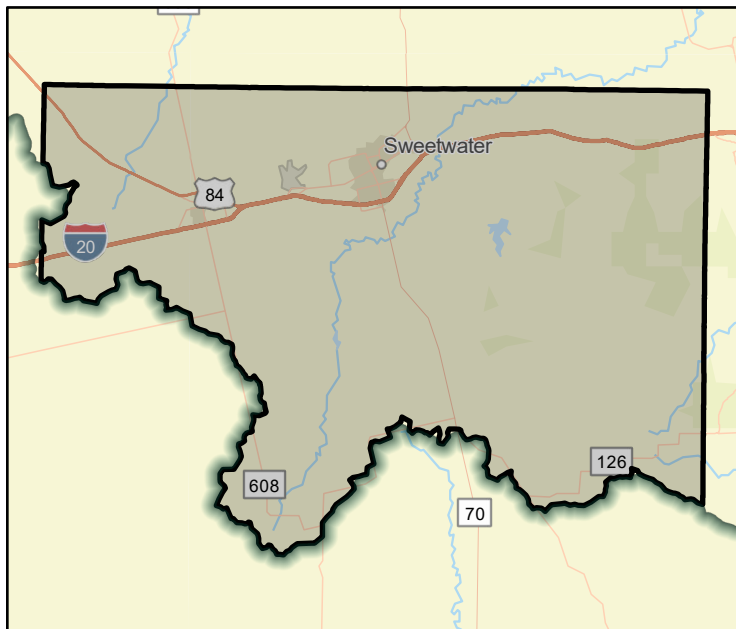
Farm/Ranch land impacted (acres) **9,929** Roadway(s) impacted (length) **41**

Number of low water crossings **21** Historical road closures **0**

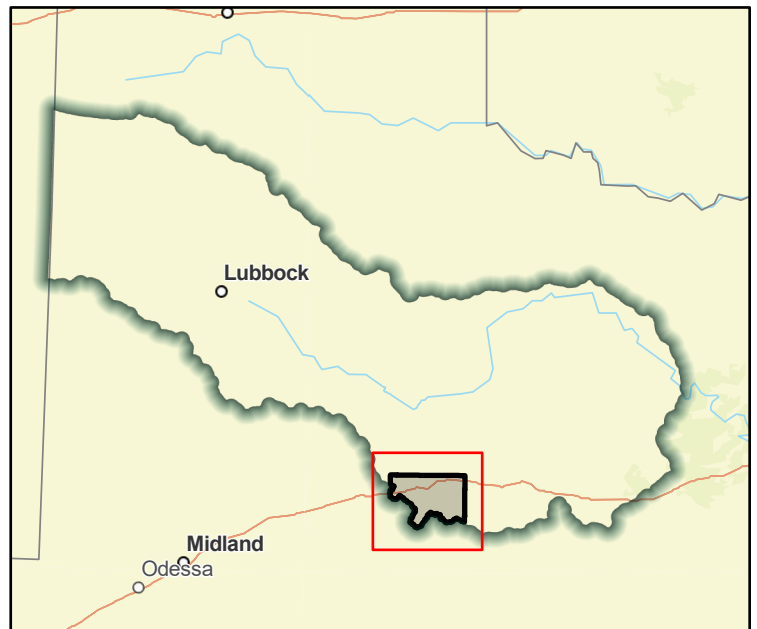
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Nolan County Update FEMA Mapping**  
ID# **071000024**  
Sponsor (name of entity, not person) **Nolan (County)**  
RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

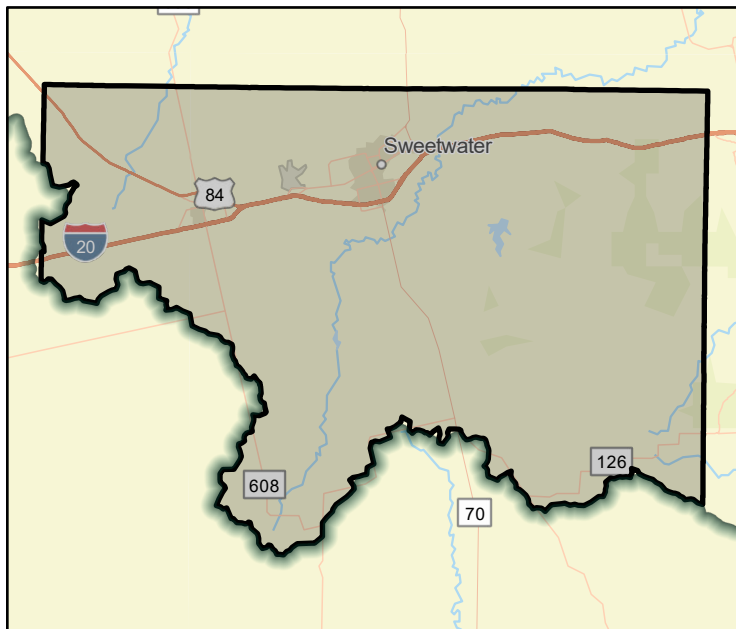
Study type **Watershed Planning**  
Study description **Update existing FEMA mapping**  
New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**  
County **Nolan** Watershed HUC# (if known) **120601020101, 120601020102, 120601020103, 120601020104,**  
Drainage area (Square miles, est.) **461** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

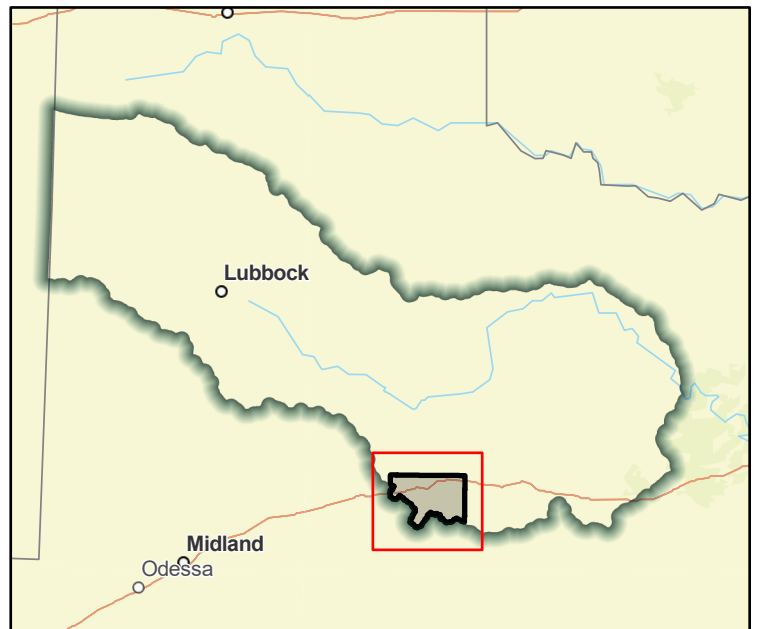
Population at risk **412** # of structures **264** Critical facilities **1**  
Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**  
Farm/Ranch land impacted (acres) **9,929** Roadway(s) impacted (length) **41**  
Number of low water crossings **21** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$920,000** Amount of Available Funding **\$0** Federal funding availability **No**  
Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Parmer County DCM**

ID# **071000184**

Sponsor (name of entity, not person) **Parmer (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Parmer** Watershed HUC# (if known) **111201010201, 111201010204, 111201010307, 111201010401,**

Drainage area (Square miles, est.) **553** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **47** # of structures **51** Critical facilities **0**

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

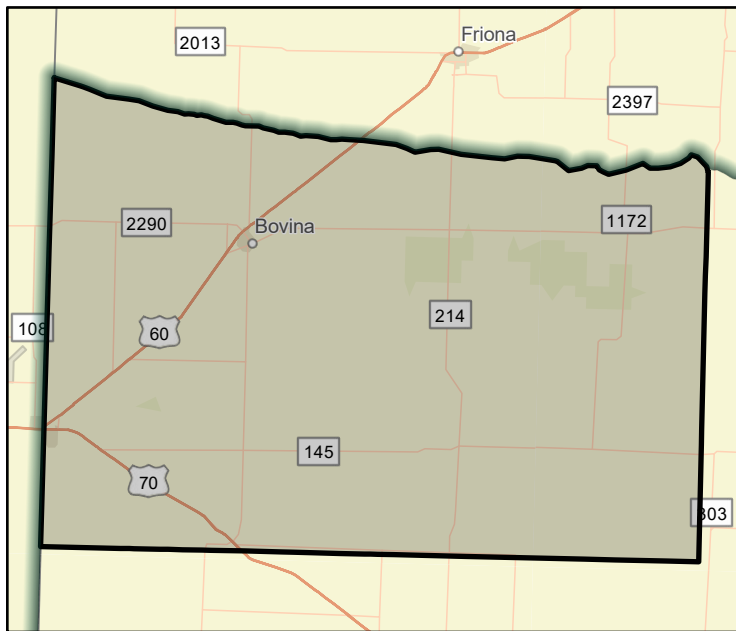
Farm/Ranch land impacted (acres) **11,930** Roadway(s) impacted (length) **343**

Number of low water crossings **5** Historical road closures **0**

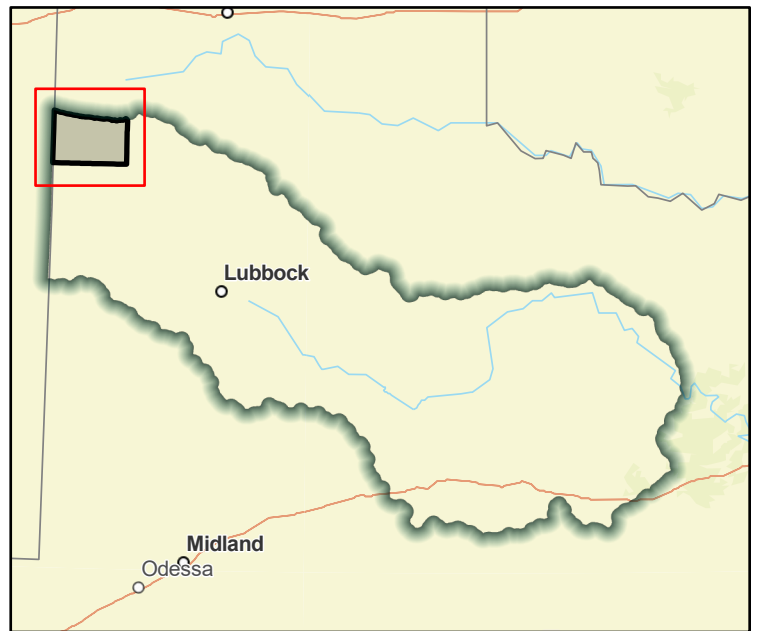
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Parmer County DMP**

ID# **071000069**

Sponsor (name of entity, not person) **Parmer (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Parmer** Watershed HUC# (if known) **111201010201, 111201010204, 111201010307, 111201010401,**

Drainage area (Square miles, est.) **553** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **47** # of structures **51** Critical facilities **0**

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

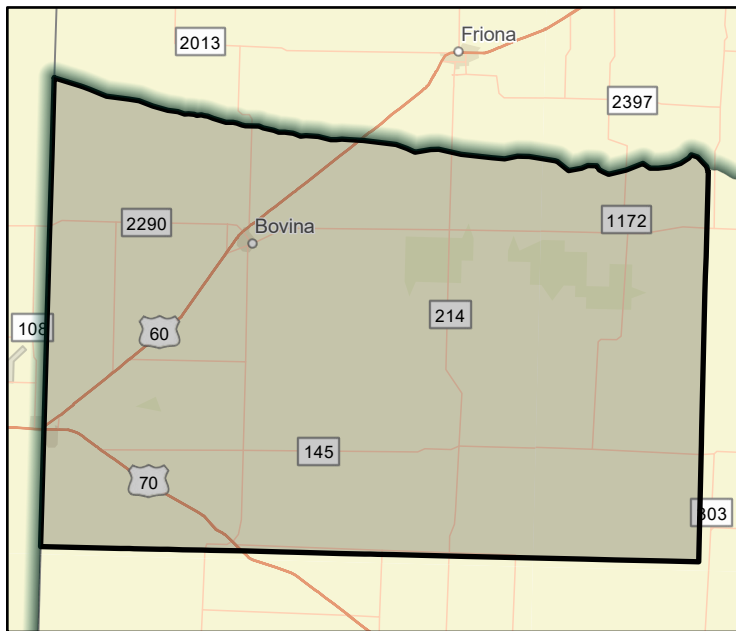
Farm/Ranch land impacted (acres) **11,930** Roadway(s) impacted (length) **343**

Number of low water crossings **5** Historical road closures **0**

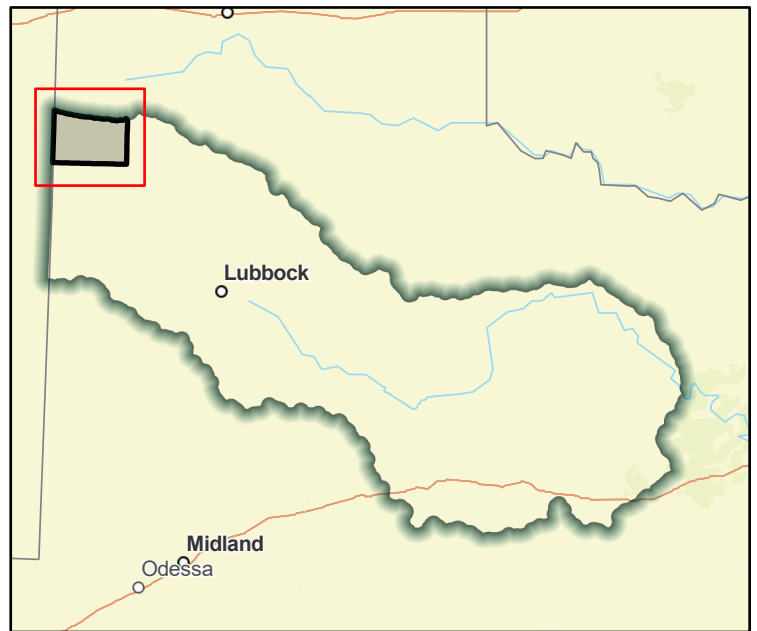
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Parmer County GIS Development**

ID# **071000107**

Sponsor (name of entity, not person) **Parmer (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Parmer** Watershed HUC# (if known) **111201010201, 111201010204, 111201010307, 111201010401,**

Drainage area (Square miles, est.) **553** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **47** # of structures **51** Critical facilities **0**

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

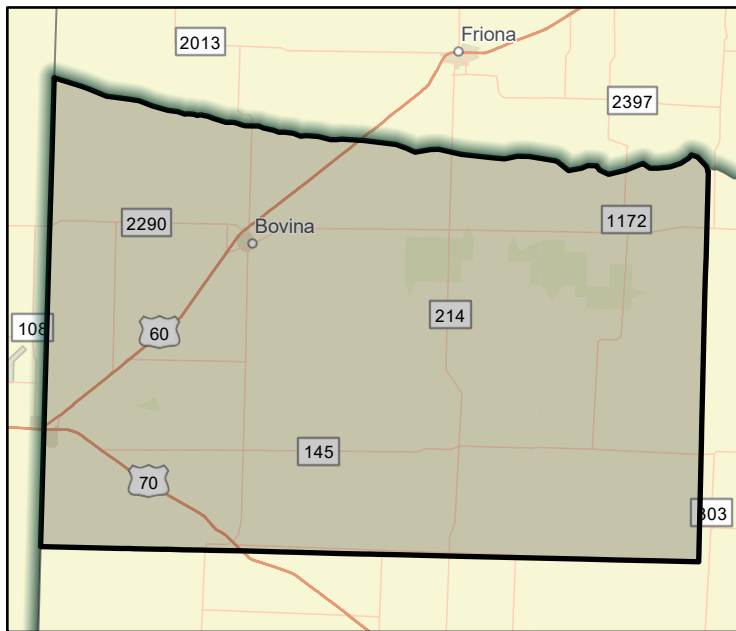
Farm/Ranch land impacted (acres) **11,930** Roadway(s) impacted (length) **343**

Number of low water crossings **5** Historical road closures **0**

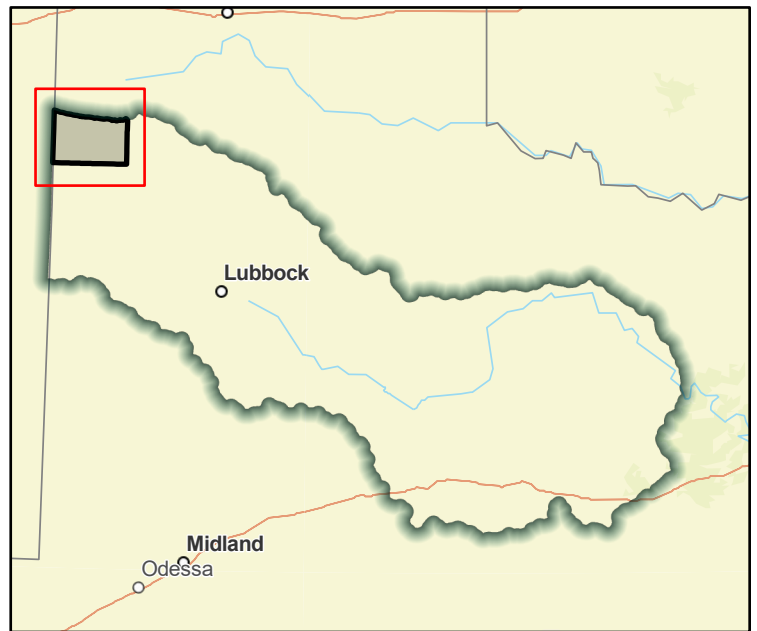
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Parmer County Initial FEMA Mapping**

ID# **071000015**

Sponsor (name of entity, not person) **Parmer (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Create FEMA Mapping in previously unmapped areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Parmer** Watershed HUC# (if known) **111201010201, 111201010204, 111201010307, 111201010401,**

Drainage area (Square miles, est.) **553** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **47** # of structures **51** Critical facilities **0**

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

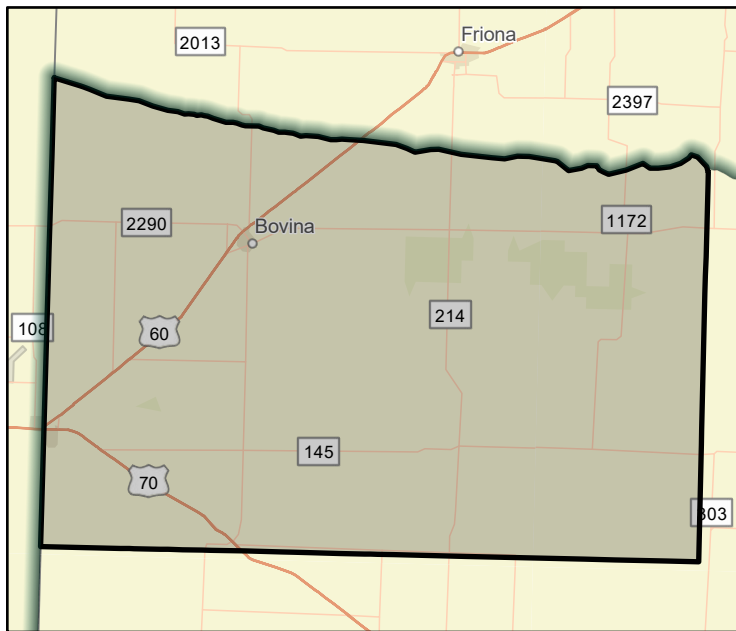
Farm/Ranch land impacted (acres) **11,930** Roadway(s) impacted (length) **343**

Number of low water crossings **5** Historical road closures **0**

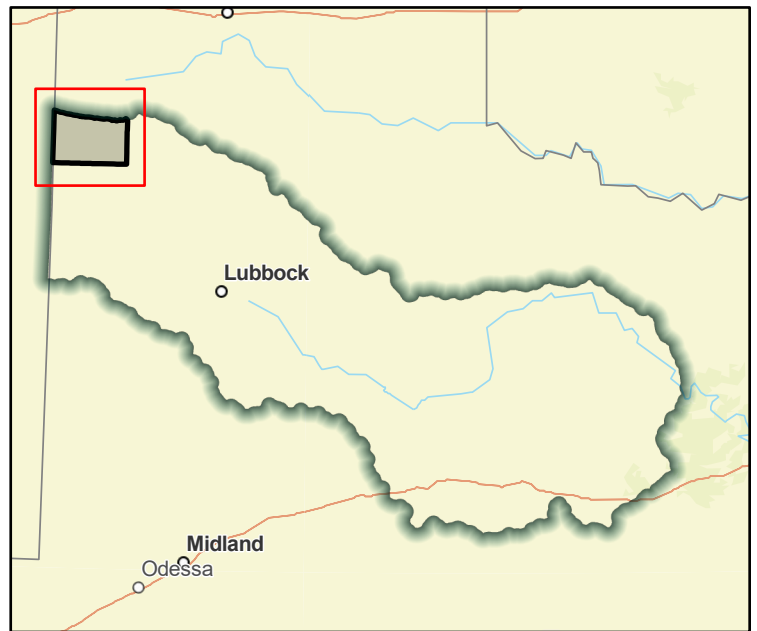
## Estimated Cost and Funding Availability

Total Cost **\$787,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Scurry County DCM**

ID# **071000185**

Sponsor (name of entity, not person) **Scurry (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Scurry** Watershed HUC# (if known) **120500040504, 120500040505, 120500040506, 120500040602,**

Drainage area (Square miles, est.) **393** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **23** # of structures **13** Critical facilities **0**

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

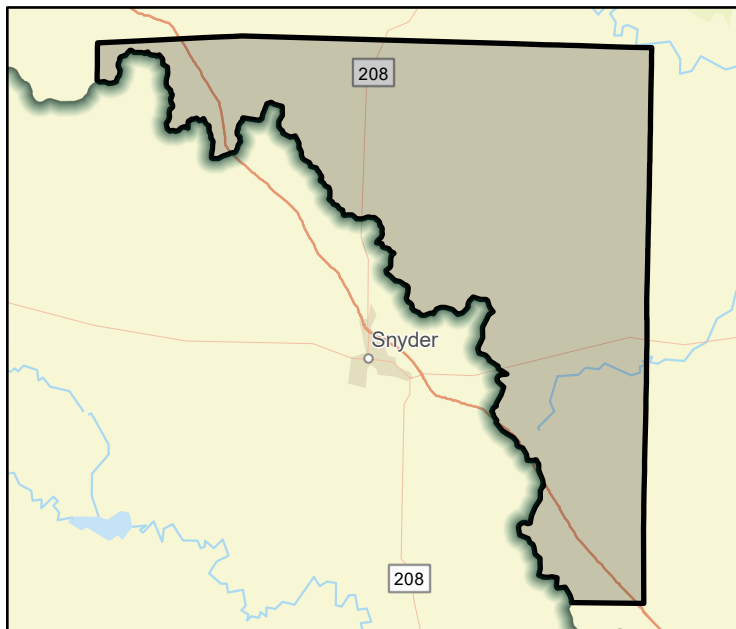
Farm/Ranch land impacted (acres) **6,805** Roadway(s) impacted (length) **18**

Number of low water crossings **6** Historical road closures **0**

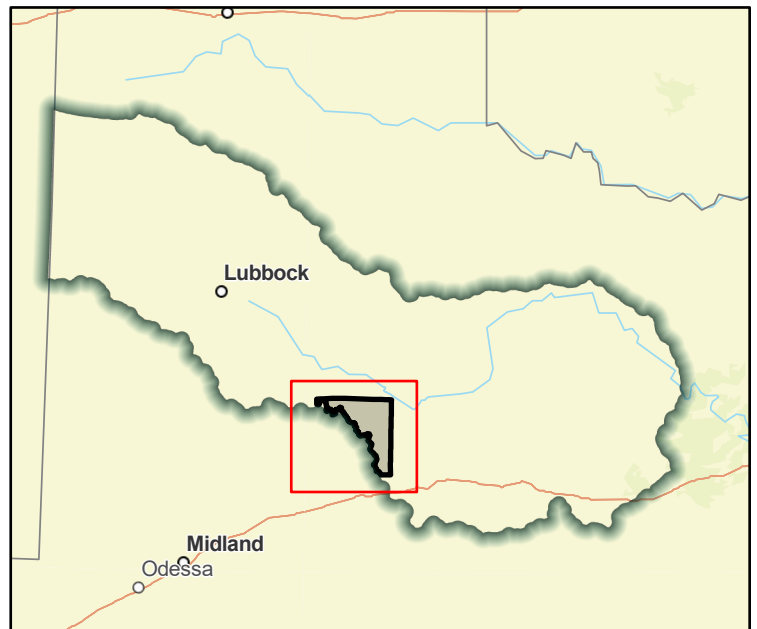
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Scurry County DMP**

ID# **071000070**

Sponsor (name of entity, not person) **Scurry (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Scurry** Watershed HUC# (if known) **120500040504, 120500040505, 120500040506, 120500040602,**

Drainage area (Square miles, est.) **393** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **23** # of structures **13** Critical facilities **0**

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

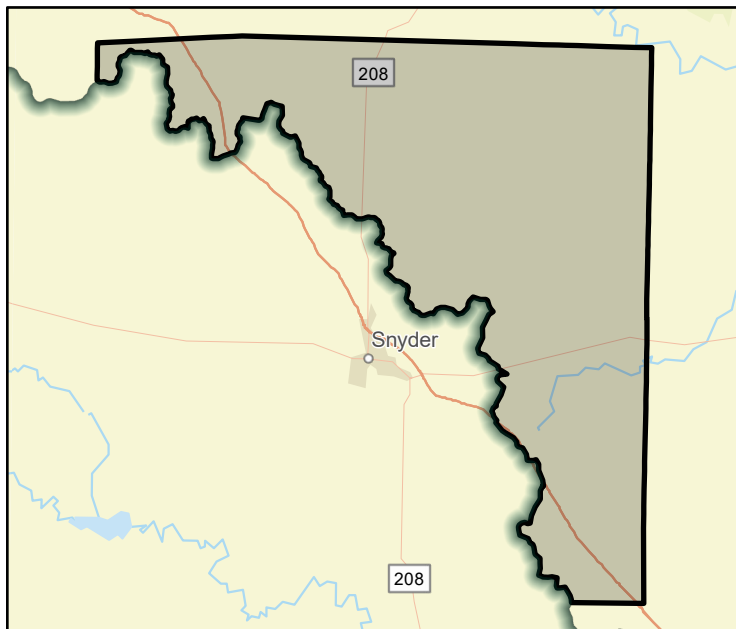
Farm/Ranch land impacted (acres) **6,805** Roadway(s) impacted (length) **18**

Number of low water crossings **6** Historical road closures **0**

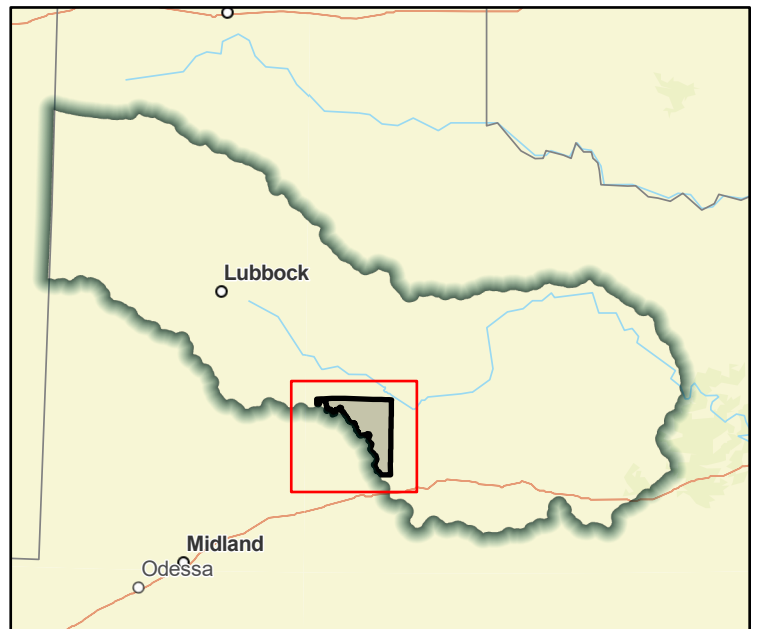
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Scurry County GIS Development**

ID# **071000108**

Sponsor (name of entity, not person) **Scurry (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Scurry** Watershed HUC# (if known) **120500040504, 120500040505, 120500040506, 120500040602,**

Drainage area (Square miles, est.) **393** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **23** # of structures **13** Critical facilities **0**

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

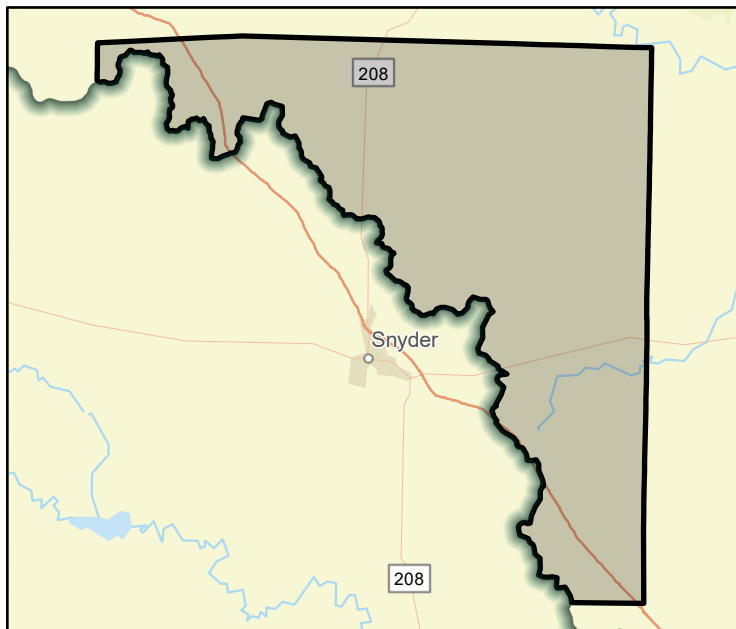
Farm/Ranch land impacted (acres) **6,805** Roadway(s) impacted (length) **18**

Number of low water crossings **6** Historical road closures **0**

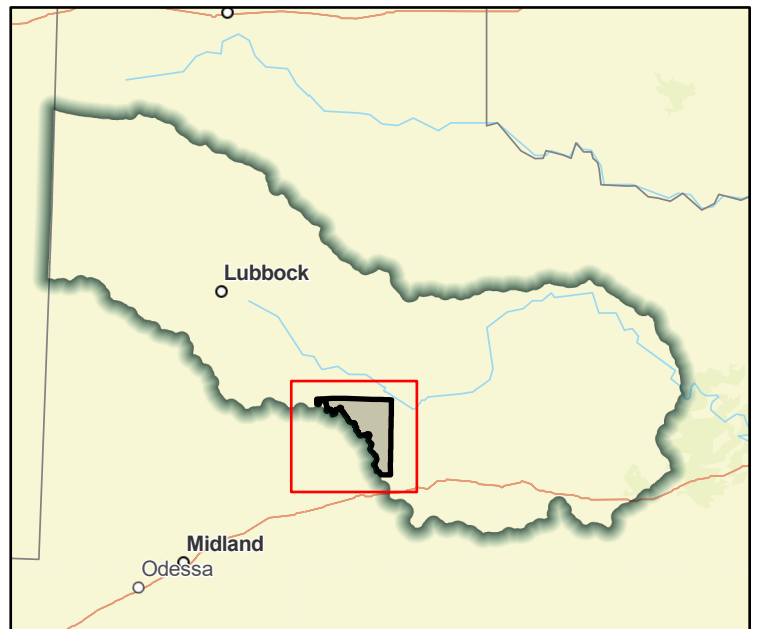
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Scurry County Relocate Critical Facilities High Hazard**

ID# **071000186**

Sponsor (name of entity, not person) **Scurry (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Relocate critical facilities out of high hazard areas.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Scurry** Watershed HUC# (if known) **120500040504, 120500040505, 120500040506, 120500040602,**

Drainage area (Square miles, est.) **393** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **23** # of structures **13** Critical facilities **0**

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

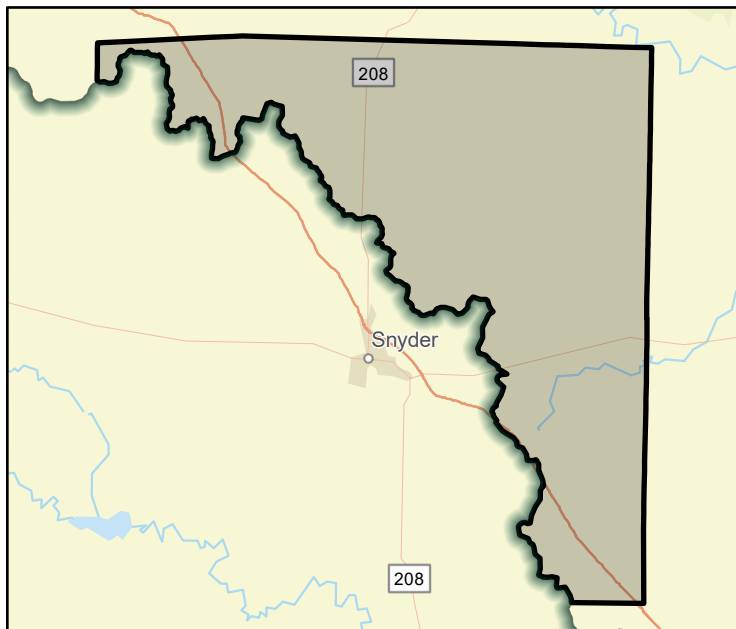
Farm/Ranch land impacted (acres) **6,805** Roadway(s) impacted (length) **18**

Number of low water crossings **6** Historical road closures **0**

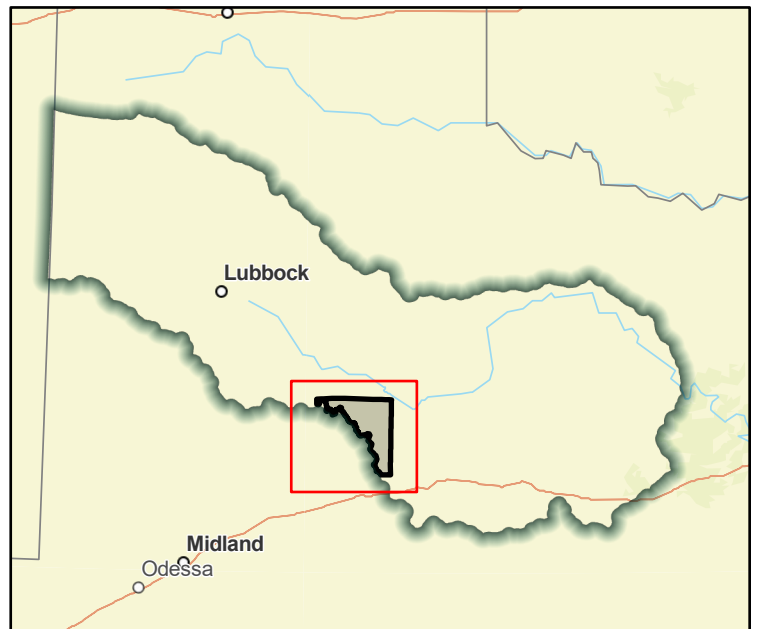
## Estimated Cost and Funding Availability

Total Cost **\$2,000,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Scurry County Update FEMA Mapping**

ID# **071000025**

Sponsor (name of entity, not person) **Scurry (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Update existing FEMA mapping**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Scurry** Watershed HUC# (if known) **120500040504, 120500040505, 120500040506, 120500040602,**

Drainage area (Square miles, est.) **393** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **23** # of structures **13** Critical facilities **0**

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

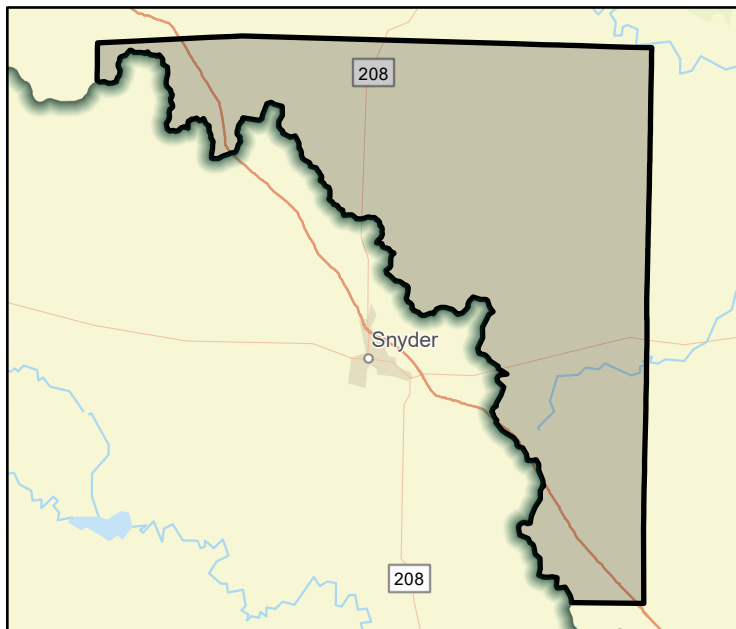
Farm/Ranch land impacted (acres) **6,805** Roadway(s) impacted (length) **18**

Number of low water crossings **6** Historical road closures **0**

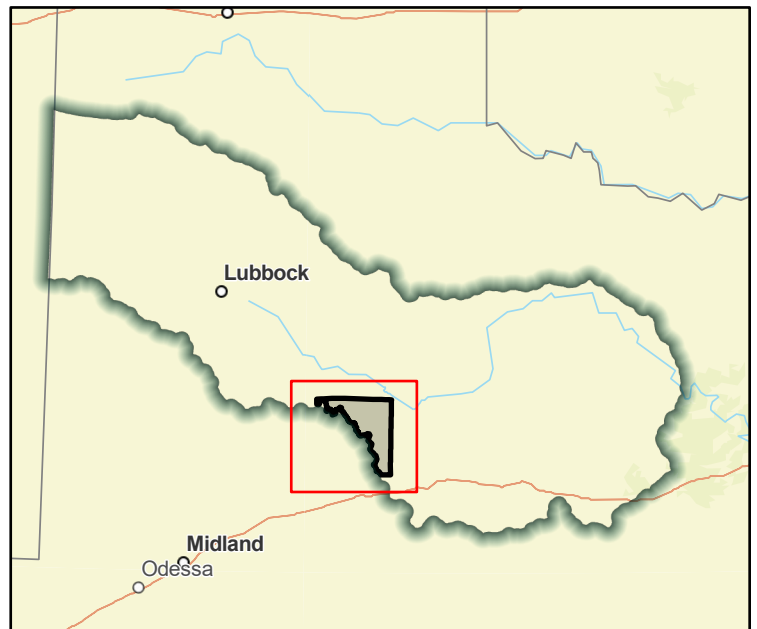
## Estimated Cost and Funding Availability

Total Cost **\$897,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Shackelford County DCM**

ID# **071000187**

Sponsor (name of entity, not person) **Shackelford (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Shackelford** Watershed HUC# (if known) **120601020802, 120601020803, 120601020805, 120601020806,**

Drainage area (Square miles, est.) **912** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **178** # of structures **347** Critical facilities **0**

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

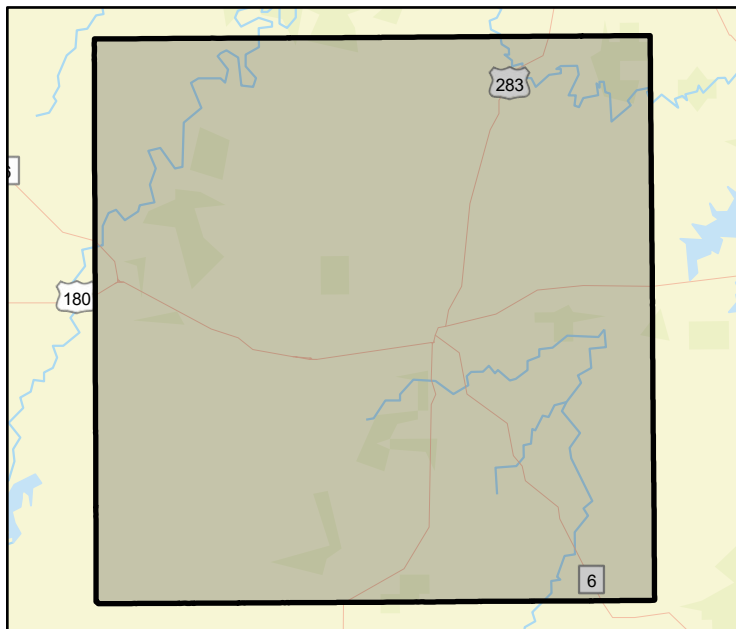
Farm/Ranch land impacted (acres) **23,799** Roadway(s) impacted (length) **43**

Number of low water crossings **4** Historical road closures **0**

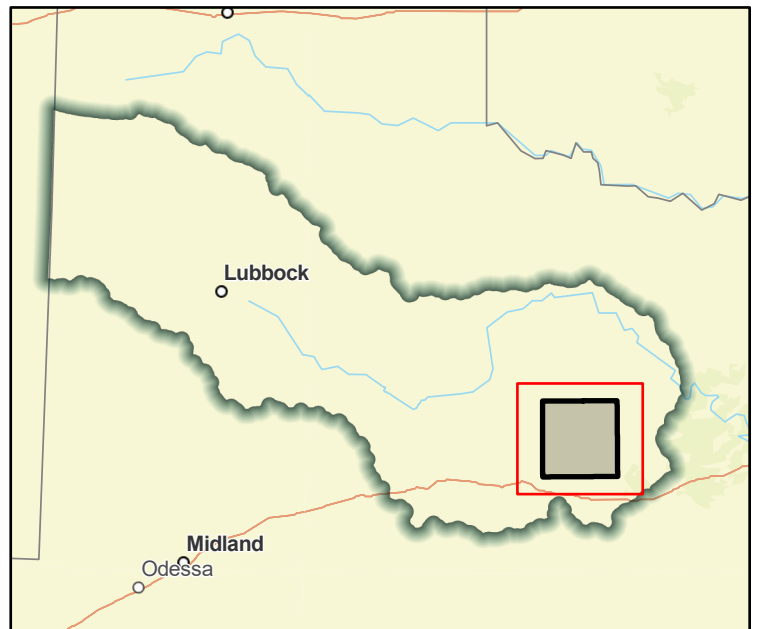
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Shackelford County DMP**

ID# **071000071**

Sponsor (name of entity, not person) **Shackelford (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Shackelford** Watershed HUC# (if known) **120601020802, 120601020803, 120601020805, 120601020806,**

Drainage area (Square miles, est.) **912** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **178** # of structures **347** Critical facilities **0**

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

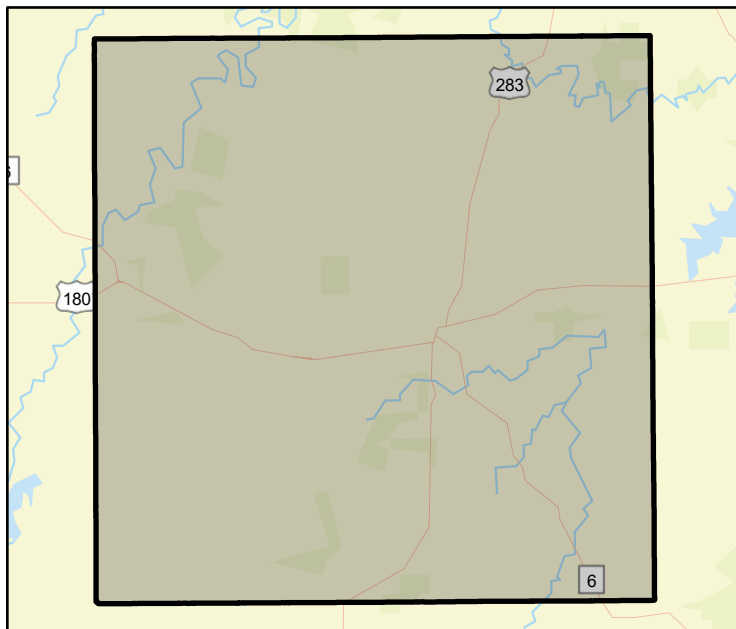
Farm/Ranch land impacted (acres) **23,799** Roadway(s) impacted (length) **43**

Number of low water crossings **4** Historical road closures **0**

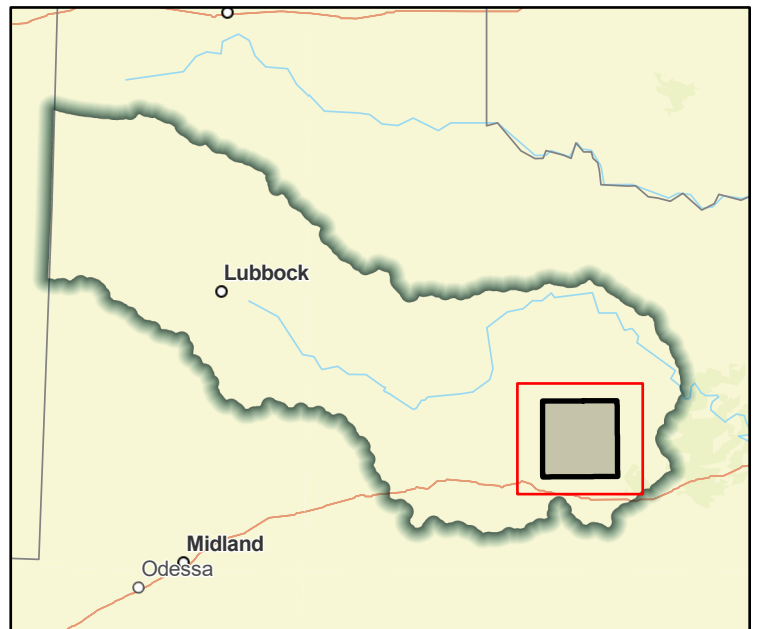
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Shackelford County GIS Development**

ID# **071000109**

Sponsor (name of entity, not person) **Shackelford (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Shackelford** Watershed HUC# (if known) **120601020802, 120601020803, 120601020805, 120601020806,**

Drainage area (Square miles, est.) **912** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **178** # of structures **347** Critical facilities **0**

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

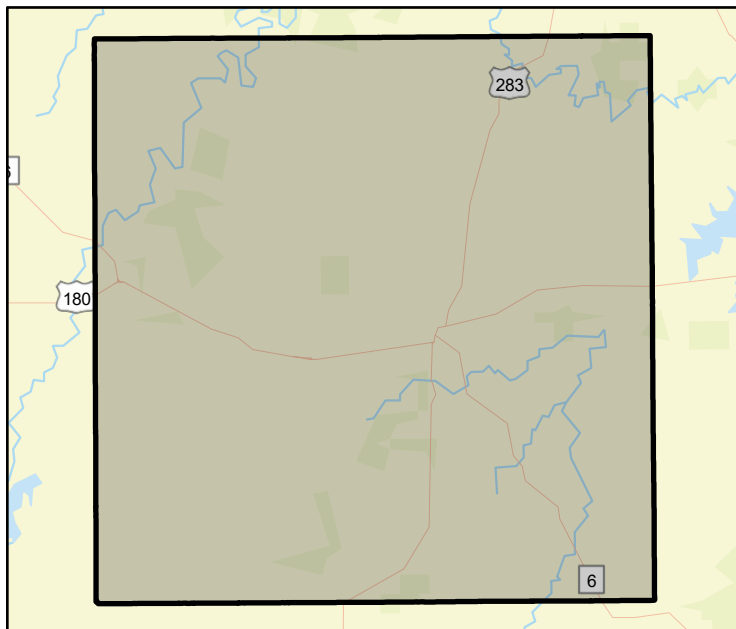
Farm/Ranch land impacted (acres) **23,799** Roadway(s) impacted (length) **43**

Number of low water crossings **4** Historical road closures **0**

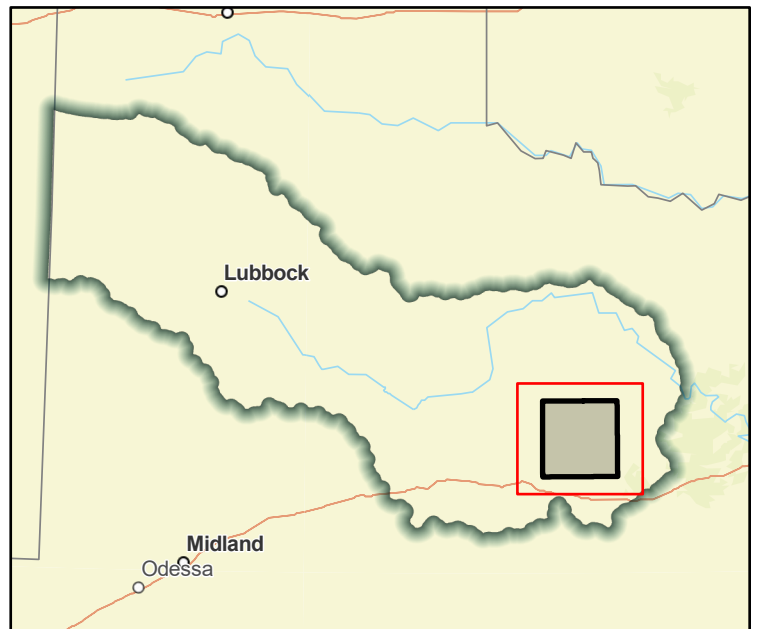
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Shackelford County Update FEMA Mapping**

ID# **071000026**

Sponsor (name of entity, not person) **Shackelford (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Update existing FEMA mapping**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Shackelford** Watershed HUC# (if known) **120601020802, 120601020803, 120601020805, 120601020806,**

Drainage area (Square miles, est.) **912** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **178** # of structures **347** Critical facilities **0**

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

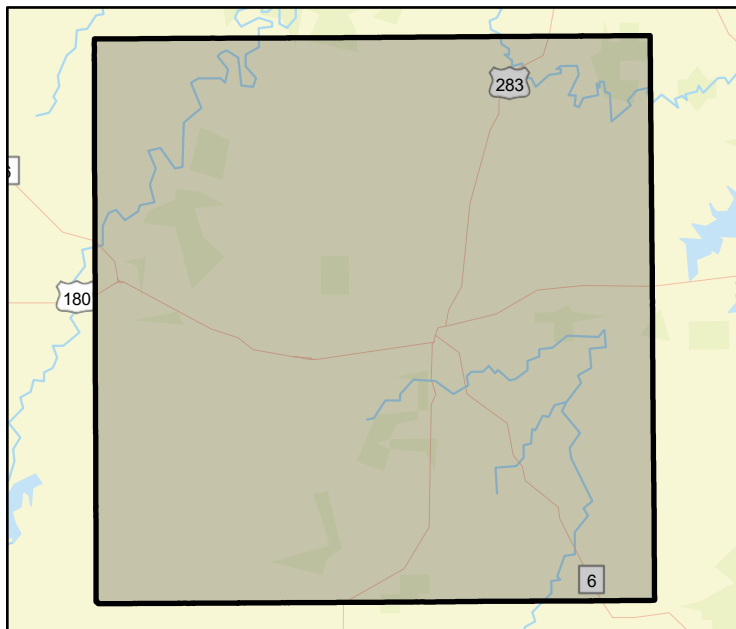
Farm/Ranch land impacted (acres) **23,799** Roadway(s) impacted (length) **43**

Number of low water crossings **4** Historical road closures **0**

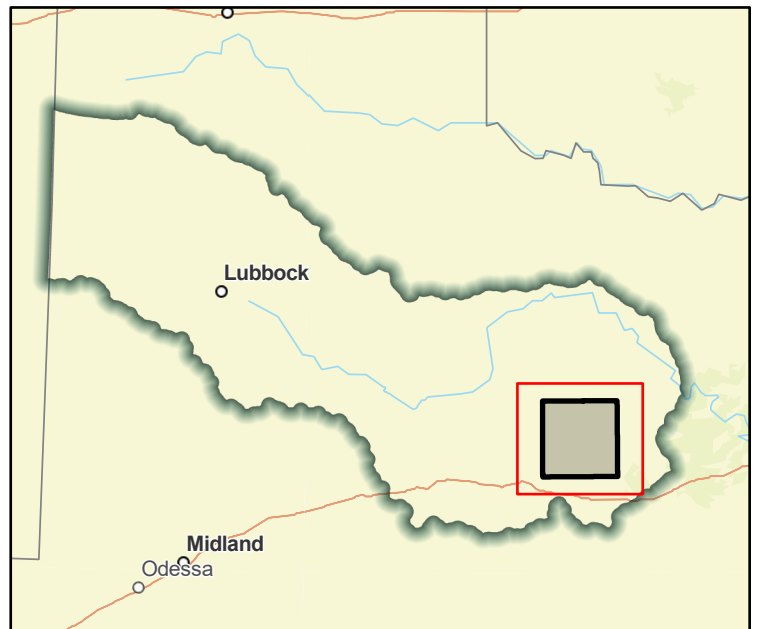
## Estimated Cost and Funding Availability

Total Cost **\$932,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Stephens County Buyout Program**

ID# **071000188**

Sponsor (name of entity, not person) **Stephens (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Develop a land acquisition program in flood hazard areas.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Stephens** Watershed HUC# (if known) **120601040201, 120601040202, 120601040204, 120601040205,**

Drainage area (Square miles, est.) **561** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **709** # of structures **657** Critical facilities **1**

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

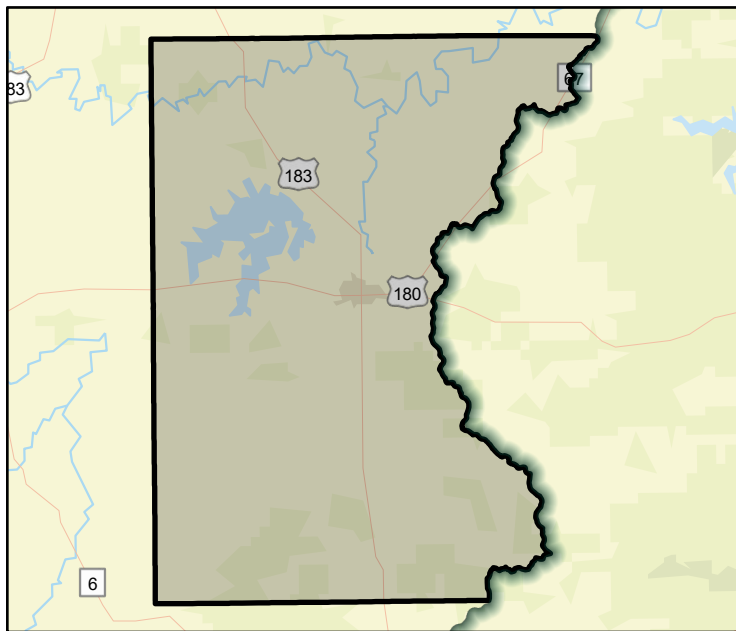
Farm/Ranch land impacted (acres) **28,369** Roadway(s) impacted (length) **64**

Number of low water crossings **2** Historical road closures **0**

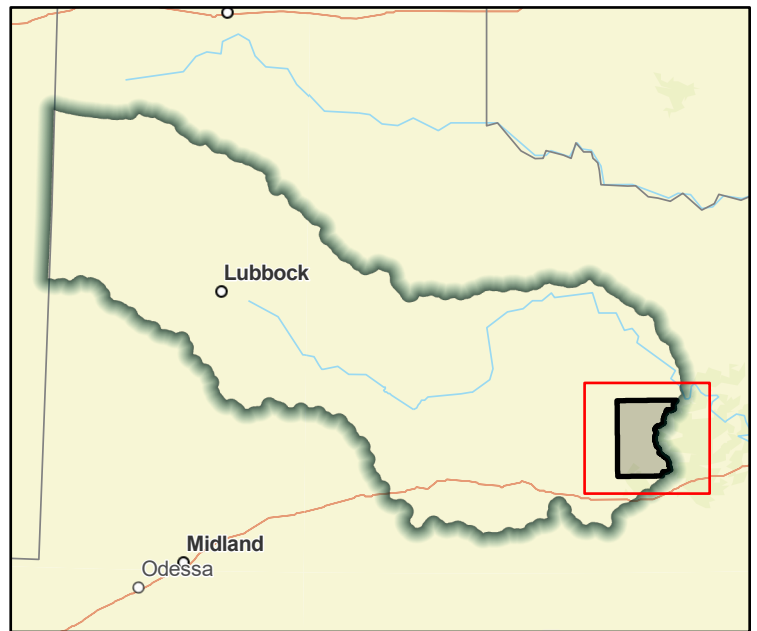
## Estimated Cost and Funding Availability

Total Cost **\$1,000,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Stephens County DCM**

ID# **071000189**

Sponsor (name of entity, not person) **Stephens (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Stephens** Watershed HUC# (if known) **120601040201, 120601040202, 120601040204, 120601040205,**

Drainage area (Square miles, est.) **561** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **709** # of structures **657** Critical facilities **1**

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

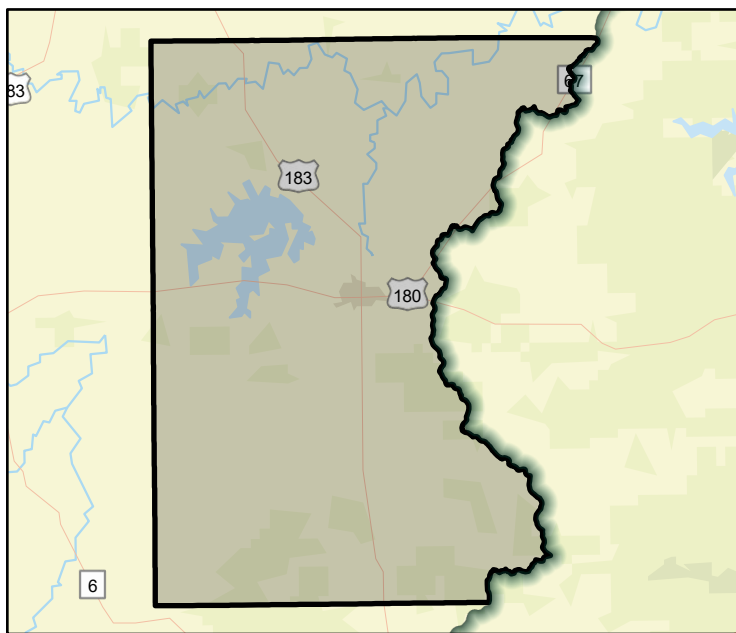
Farm/Ranch land impacted (acres) **28,369** Roadway(s) impacted (length) **64**

Number of low water crossings **2** Historical road closures **0**

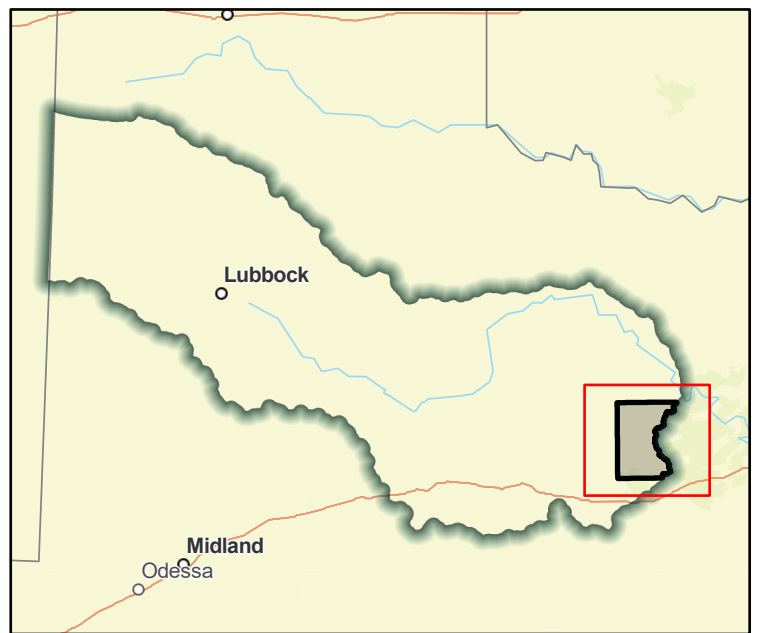
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Stephens County DMP**

ID# **071000072**

Sponsor (name of entity, not person) **Stephens (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Stephens** Watershed HUC# (if known) **120601040201, 120601040202, 120601040204, 120601040205,**

Drainage area (Square miles, est.) **561** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **709** # of structures **657** Critical facilities **1**

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

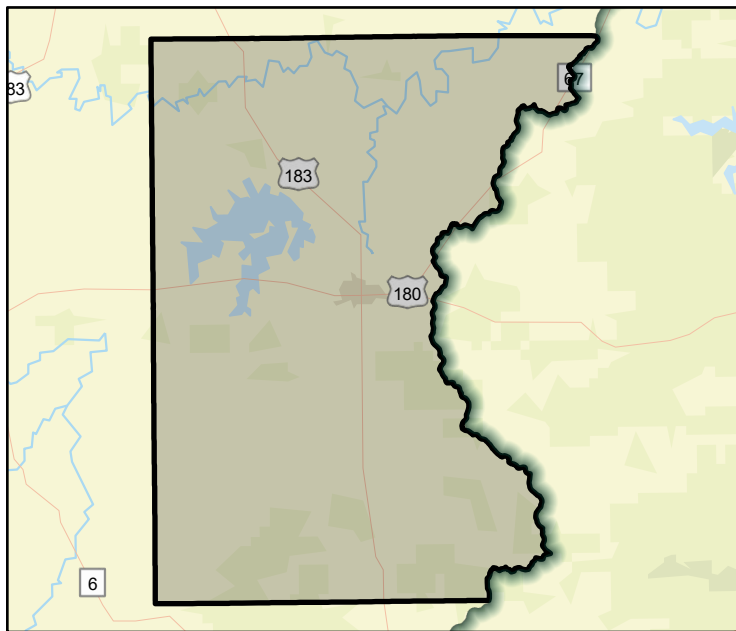
Farm/Ranch land impacted (acres) **28,369** Roadway(s) impacted (length) **64**

Number of low water crossings **2** Historical road closures **0**

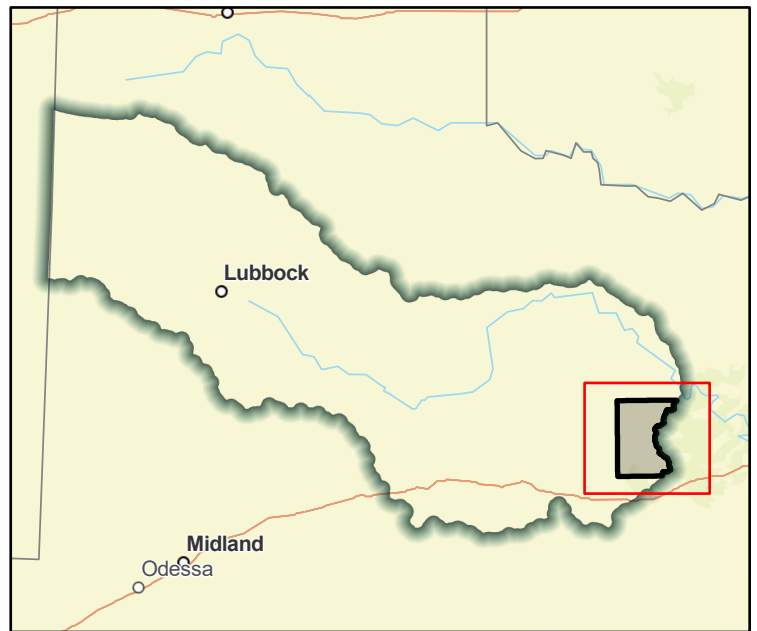
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Stephens County GIS Development**

ID# **071000110**

Sponsor (name of entity, not person) **Stephens (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Stephens** Watershed HUC# (if known) **120601040201, 120601040202, 120601040204, 120601040205,**

Drainage area (Square miles, est.) **561** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **709** # of structures **657** Critical facilities **1**

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

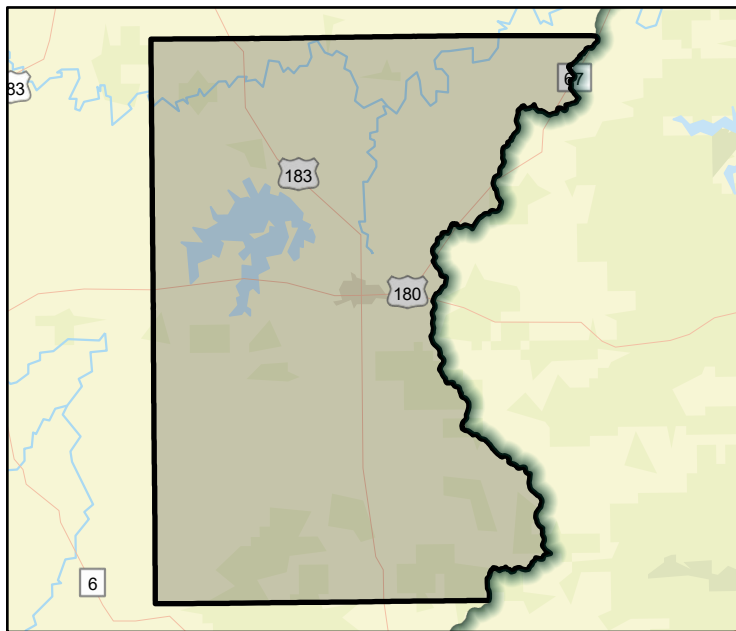
Farm/Ranch land impacted (acres) **28,369** Roadway(s) impacted (length) **64**

Number of low water crossings **2** Historical road closures **0**

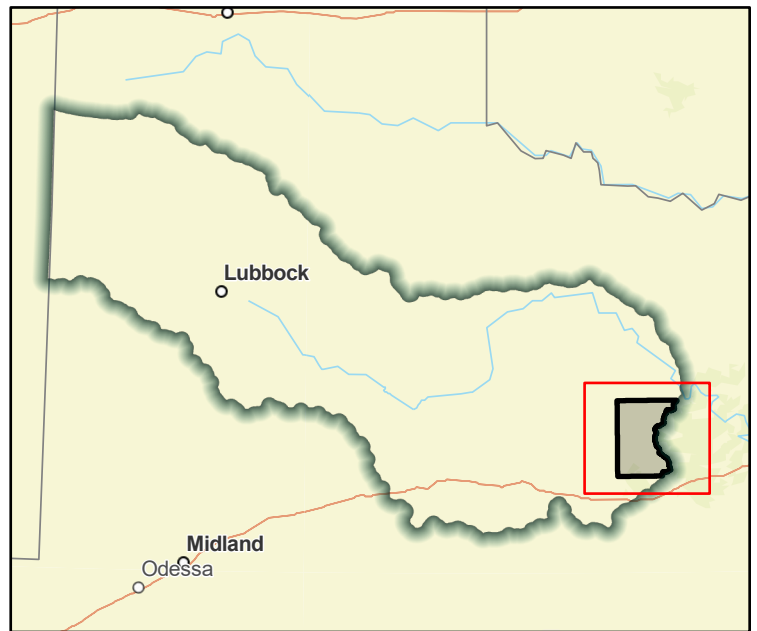
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Stephens County Stream Restoration Program**

ID# **071000190**

Sponsor (name of entity, not person) **Stephens (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Stephens** Watershed HUC# (if known) **120601040201, 120601040202, 120601040204, 120601040205,**

Drainage area (Square miles, est.) **561** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **709** # of structures **657** Critical facilities **1**

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

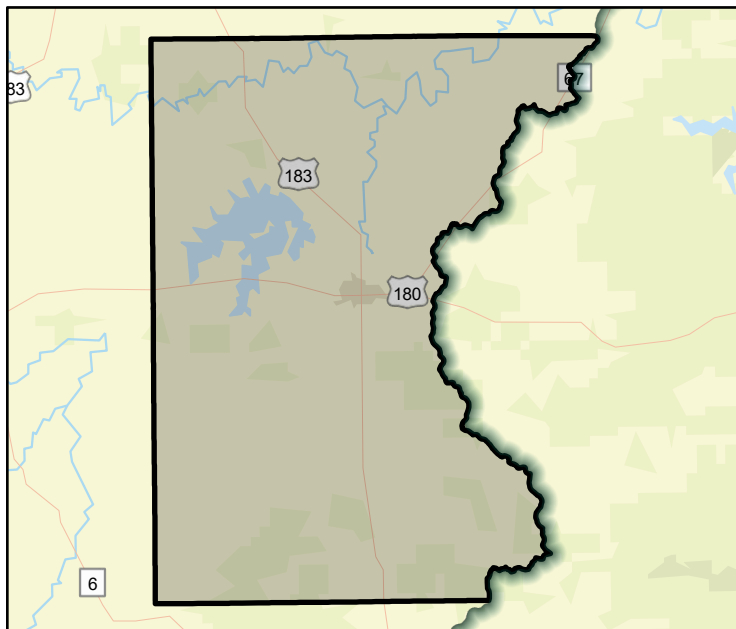
Farm/Ranch land impacted (acres) **28,369** Roadway(s) impacted (length) **64**

Number of low water crossings **2** Historical road closures **0**

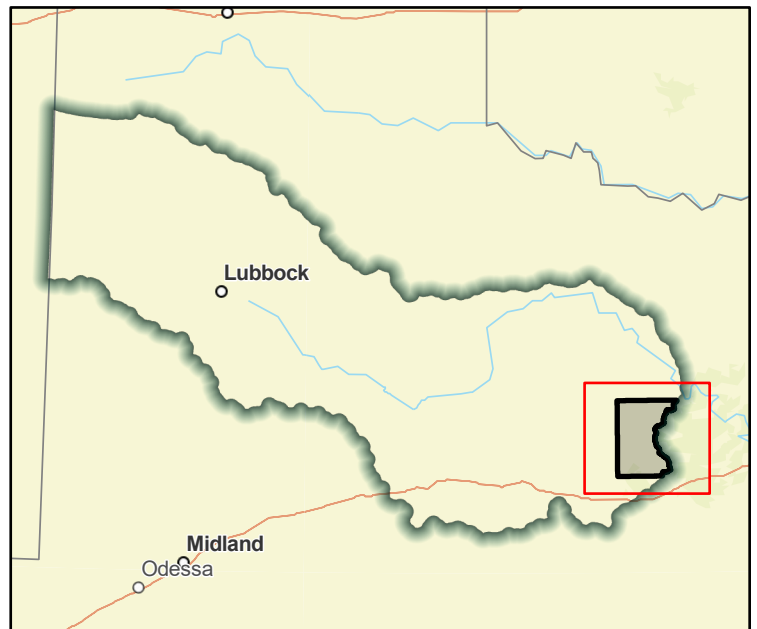
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Stephens County Update FEMA Mapping**

ID# **071000027**

Sponsor (name of entity, not person) **Stephens (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Update existing FEMA mapping**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Stephens** Watershed HUC# (if known) **120601040201, 120601040202, 120601040204, 120601040205,**

Drainage area (Square miles, est.) **561** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **709** # of structures **657** Critical facilities **1**

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

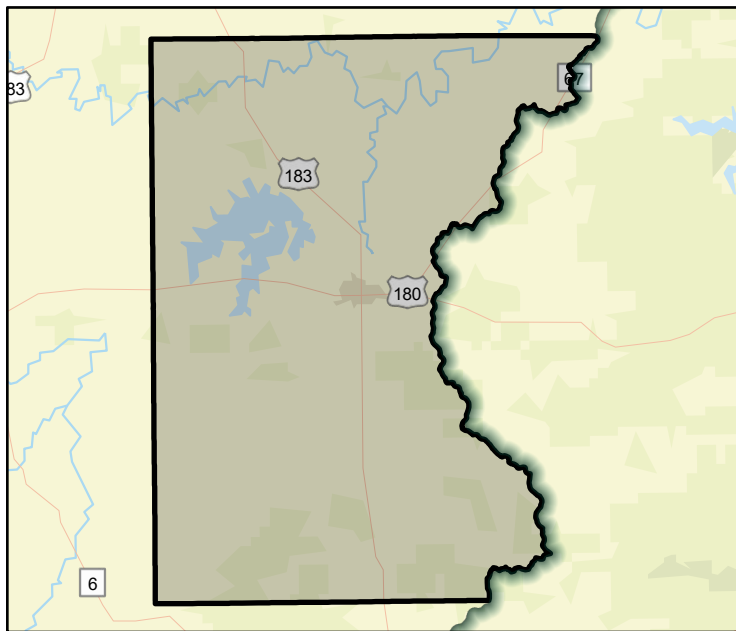
Farm/Ranch land impacted (acres) **28,369** Roadway(s) impacted (length) **64**

Number of low water crossings **2** Historical road closures **0**

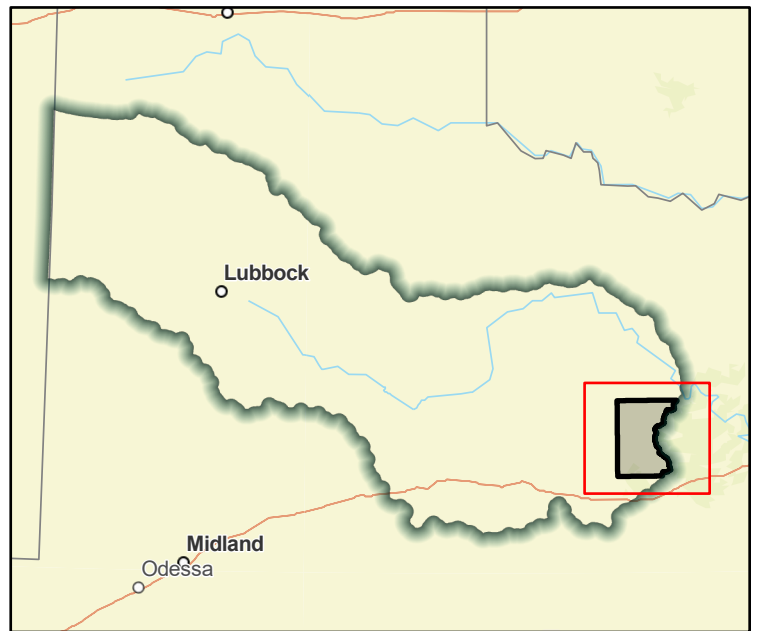
## Estimated Cost and Funding Availability

Total Cost **\$920,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Stephens Flood Protection Lift Station Program**

ID# **071000191**

Sponsor (name of entity, not person) **Stephens (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Flood-proof sewage treatment plants in flood hazard / low-lying areas.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Stephens** Watershed HUC# (if known) **120601040201, 120601040202, 120601040204, 120601040205,**

Drainage area (Square miles, est.) **561** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **709** # of structures **657** Critical facilities **1**

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

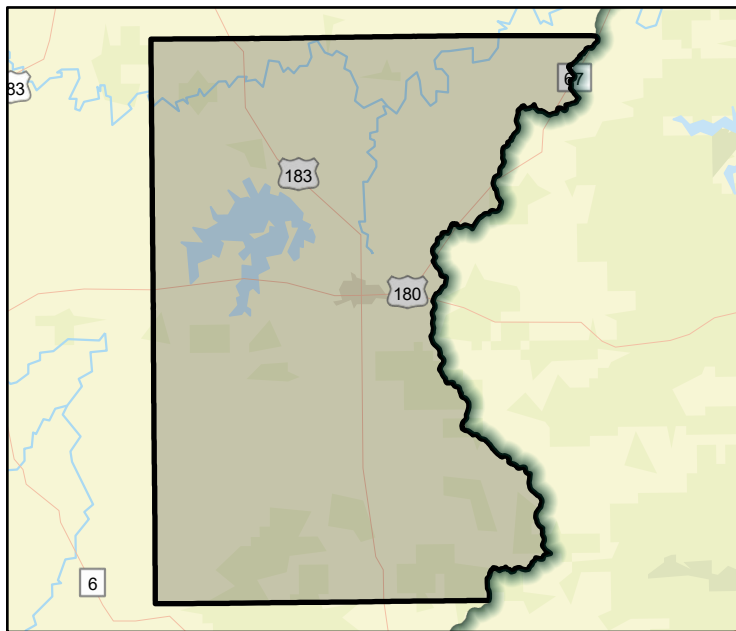
Farm/Ranch land impacted (acres) **28,369** Roadway(s) impacted (length) **64**

Number of low water crossings **2** Historical road closures **0**

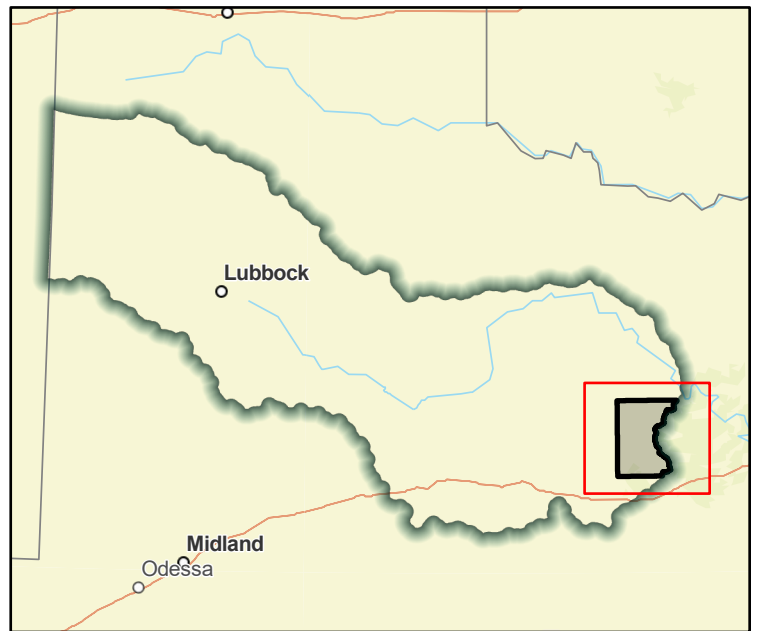
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Stonewall County DCM**

ID# **071000192**

Sponsor (name of entity, not person) **Stonewall (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Stonewall** Watershed HUC# (if known) **120500040801, 120500040802, 120500040803, 120500040804,**

Drainage area (Square miles, est.) **925** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **12** # of structures **67** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **6,457** Roadway(s) impacted (length) **49**

Number of low water crossings **6** Historical road closures **0**

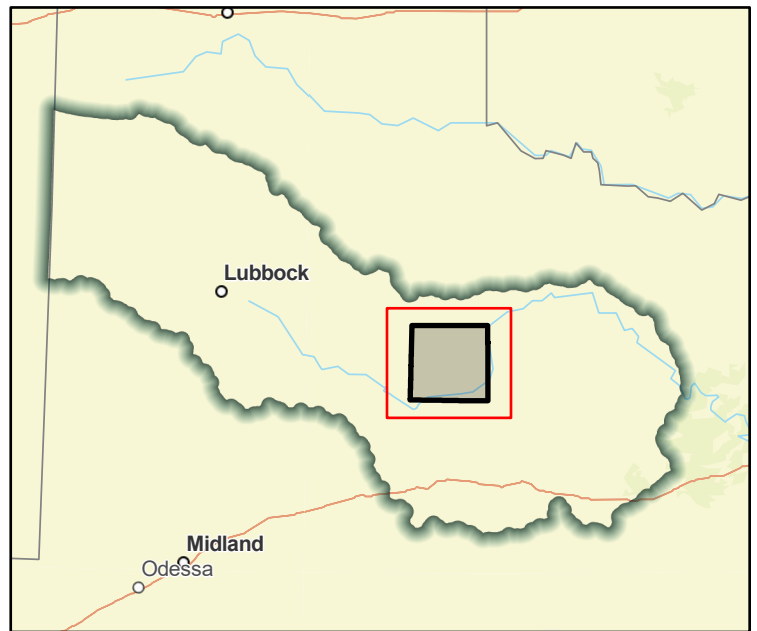
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Stonewall County DMP**

ID# **071000073**

Sponsor (name of entity, not person) **Stonewall (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Stonewall** Watershed HUC# (if known) **120500040801, 120500040802, 120500040803, 120500040804,**

Drainage area (Square miles, est.) **925** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **12** # of structures **67** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **6,457** Roadway(s) impacted (length) **49**

Number of low water crossings **6** Historical road closures **0**

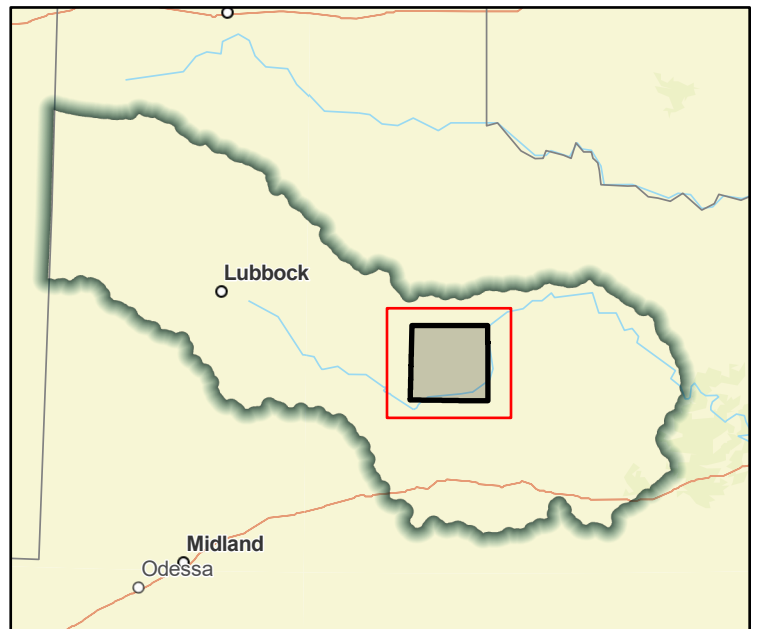
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Stonewall County GIS Development**  
ID# **071000111**  
Sponsor (name of entity, not person) **Stonewall (County)**  
RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**  
Study description **Develop a GIS inventory of stormwater infrastructure**  
New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**  
County **Stonewall** Watershed HUC# (if known) **120500040801, 120500040802, 120500040803, 120500040804,**  
Drainage area (Square miles, est.) **925** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

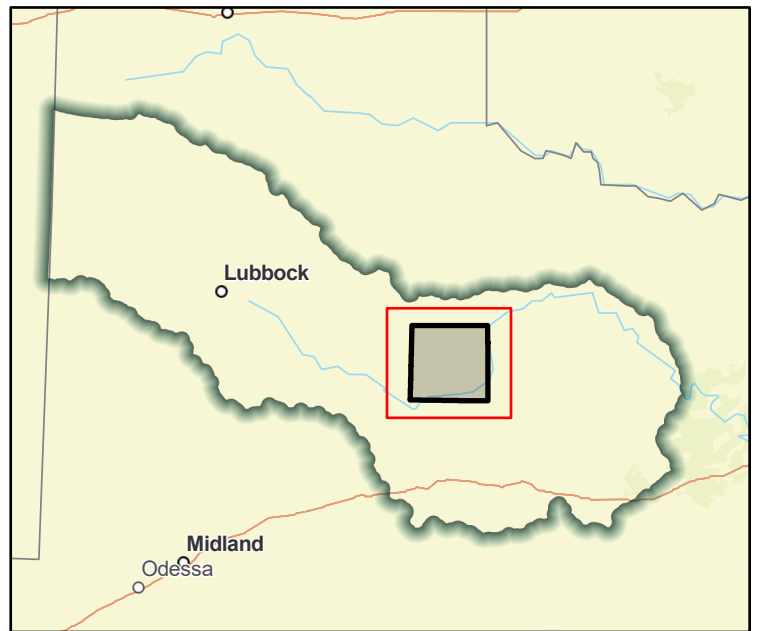
Population at risk **12** # of structures **67** Critical facilities **0**  
Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**  
Farm/Ranch land impacted (acres) **6,457** Roadway(s) impacted (length) **49**  
Number of low water crossings **6** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**  
Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Stonewall County Initial FEMA Mapping**

ID# **071000016**

Sponsor (name of entity, not person) **Stonewall (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Create FEMA Mapping in previously unmapped areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Stonewall** Watershed HUC# (if known) **120500040801, 120500040802, 120500040803, 120500040804,**

Drainage area (Square miles, est.) **925** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **12** # of structures **67** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **6,457** Roadway(s) impacted (length) **49**

Number of low water crossings **6** Historical road closures **0**

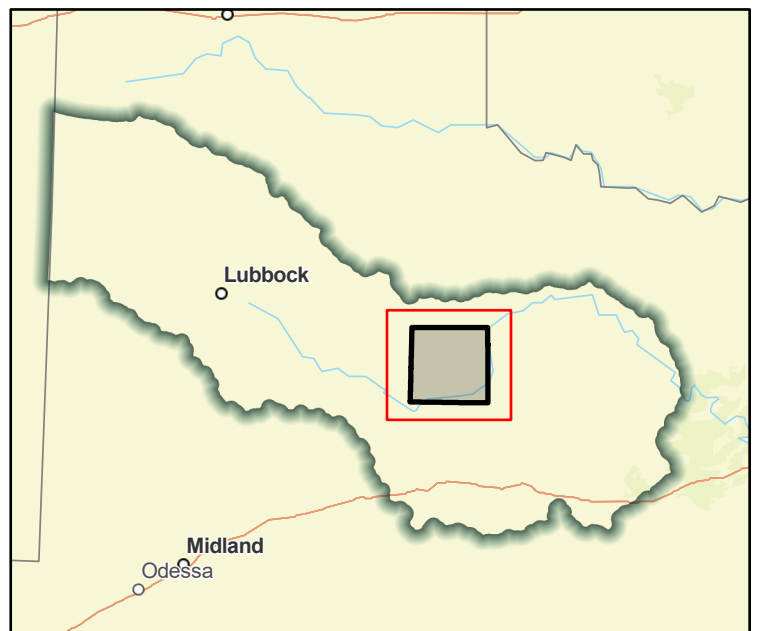
## Estimated Cost and Funding Availability

Total Cost **\$893,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Stonewall County Stream Restoration Program**

ID# **071000193**

Sponsor (name of entity, not person) **Stonewall (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Stonewall** Watershed HUC# (if known) **120500040801, 120500040802, 120500040803, 120500040804,**

Drainage area (Square miles, est.) **925** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **12** # of structures **67** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **6,457** Roadway(s) impacted (length) **49**

Number of low water crossings **6** Historical road closures **0**

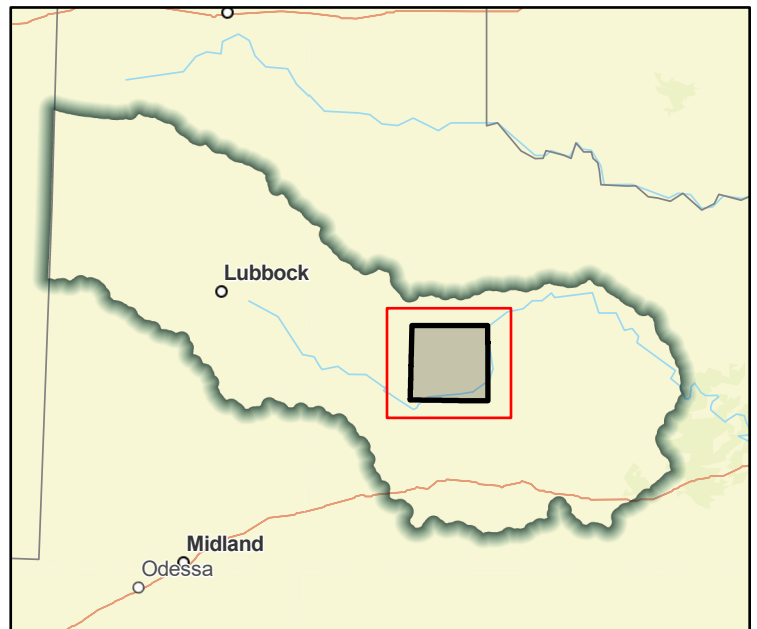
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Swisher County DCM**

ID# **071000194**

Sponsor (name of entity, not person) **Swisher (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Swisher** Watershed HUC# (if known) **111201030201, 111201030202, 111201030203, 111201030204,**

Drainage area (Square miles, est.) **74** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **10** # of structures **5** Critical facilities **0**

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

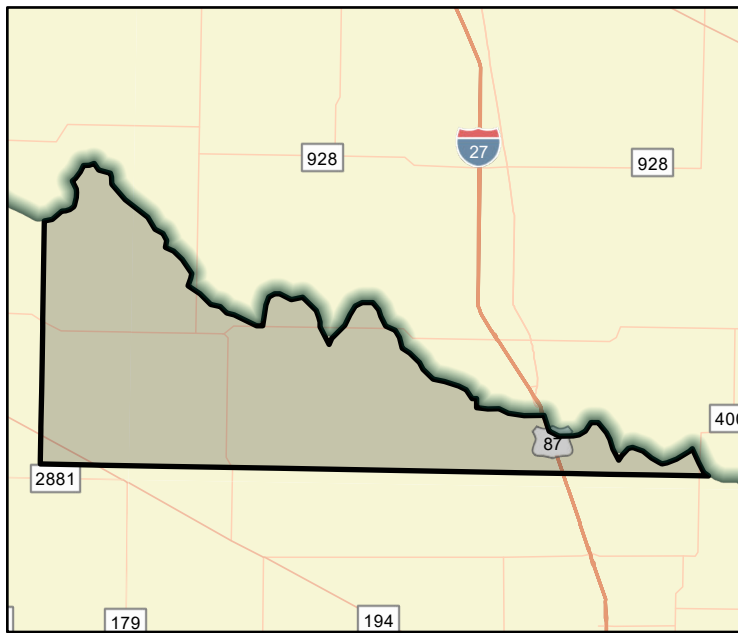
Farm/Ranch land impacted (acres) **4,233** Roadway(s) impacted (length) **47**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Swisher County DMP**

ID# **071000074**

Sponsor (name of entity, not person) **Swisher (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate the TxDOT low water crossings county-wide**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Swisher** Watershed HUC# (if known) **111201030201, 111201030202, 111201030203, 111201030204,**

Drainage area (Square miles, est.) **74** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **10** # of structures **5** Critical facilities **0**

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

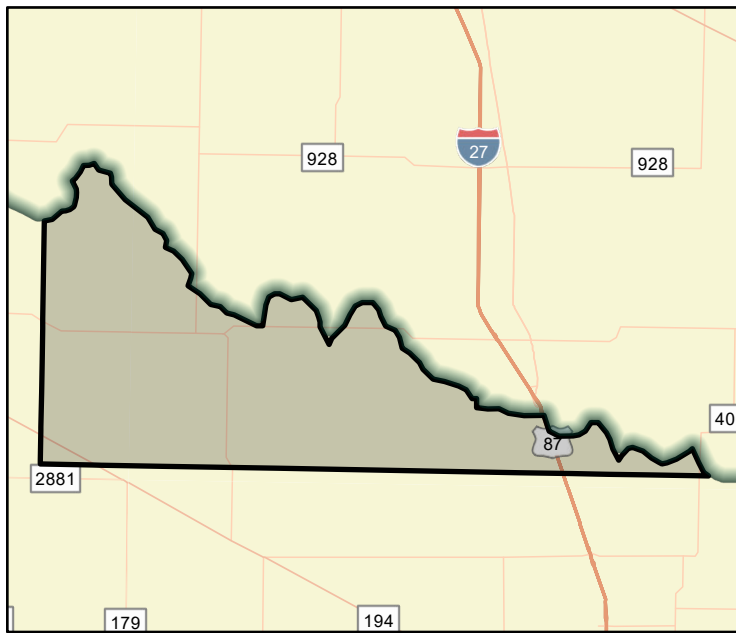
Farm/Ranch land impacted (acres) **4,233** Roadway(s) impacted (length) **47**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Swisher County GIS Development**

ID# **071000112**

Sponsor (name of entity, not person) **Swisher (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Swisher** Watershed HUC# (if known) **111201030201, 111201030202, 111201030203, 111201030204,**

Drainage area (Square miles, est.) **74** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **10** # of structures **5** Critical facilities **0**

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

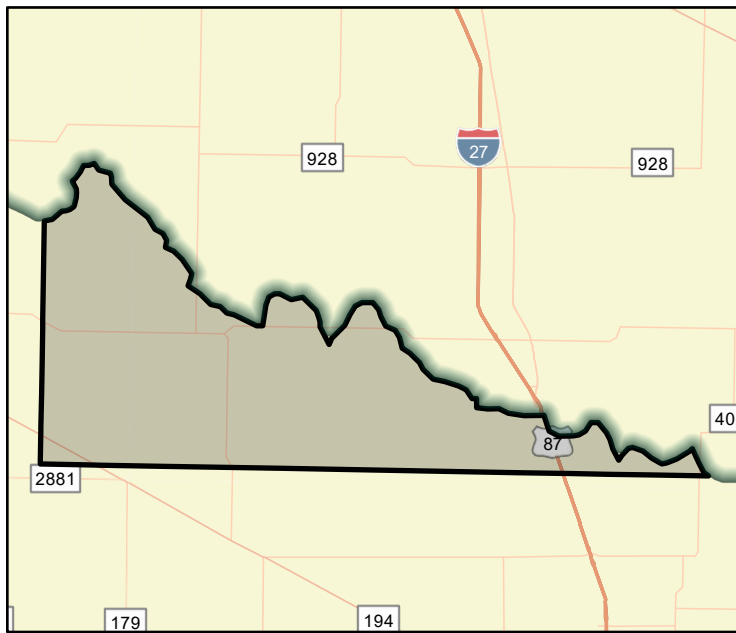
Farm/Ranch land impacted (acres) **4,233** Roadway(s) impacted (length) **47**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Swisher County Update FEMA Mapping**

ID# **071000028**

Sponsor (name of entity, not person) **Swisher (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Update existing FEMA mapping**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Swisher** Watershed HUC# (if known) **111201030201, 111201030202, 111201030203, 111201030204,**

Drainage area (Square miles, est.) **74** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **10** # of structures **5** Critical facilities **0**

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

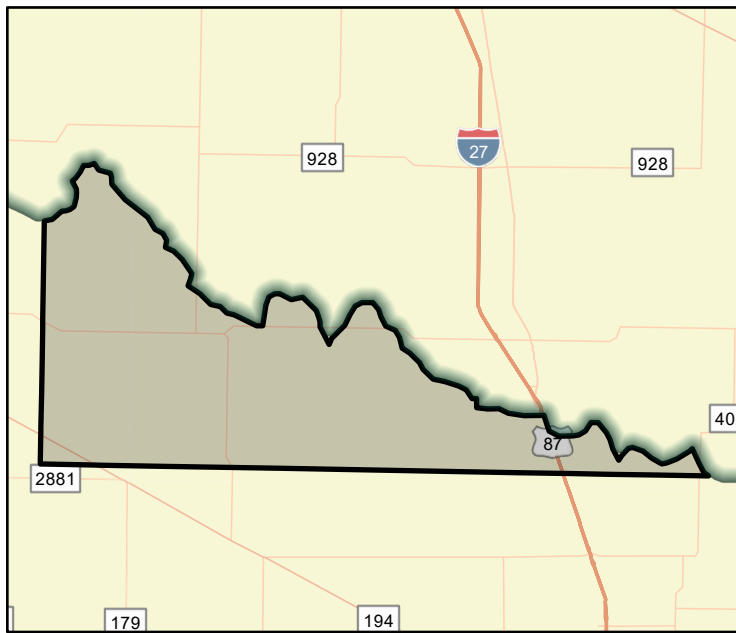
Farm/Ranch land impacted (acres) **4,233** Roadway(s) impacted (length) **47**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$920,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Taylor County Dam Inspection Program  
 ID# 071000195  
 Sponsor (name of entity, not person) Taylor (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

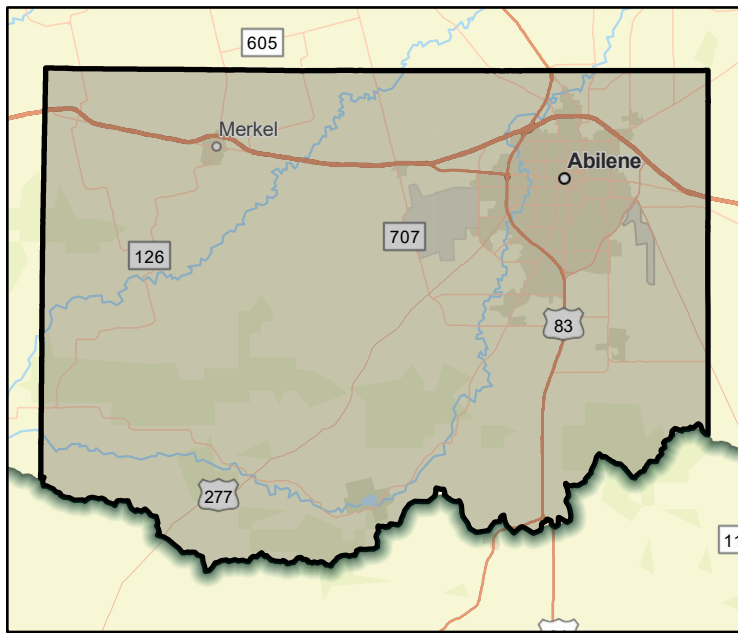
Study type Other  
 Study description Annual dam inspection, partner with SWCD to help fund repairs and maintenance, partner with property owners to report new damage or erosion, and patrol for illegal dumping at dams.  
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No  
 County Taylor Watershed HUC# (if known) 120601020501, 120601020502, 120601020503, 120601020504,  
 Drainage area (Square miles, est.) 612 Goal(s) 07000031, 07000032

## 100-Year Flood Risk Summary

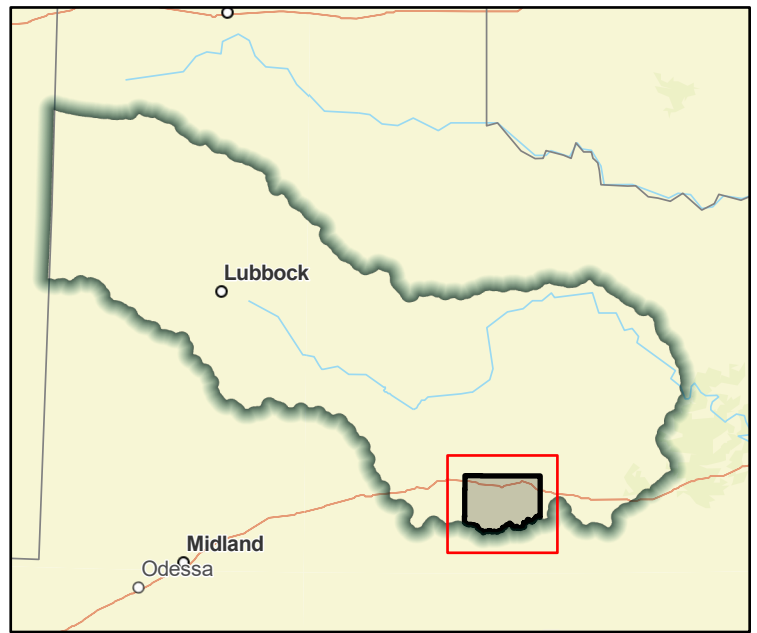
Population at risk 25,896 # of structures 11,167 Critical facilities 11  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 7,516 Roadway(s) impacted (length) 245  
 Number of low water crossings 72 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Taylor County DCM  
 ID# 071000196  
 Sponsor (name of entity, not person) Taylor (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

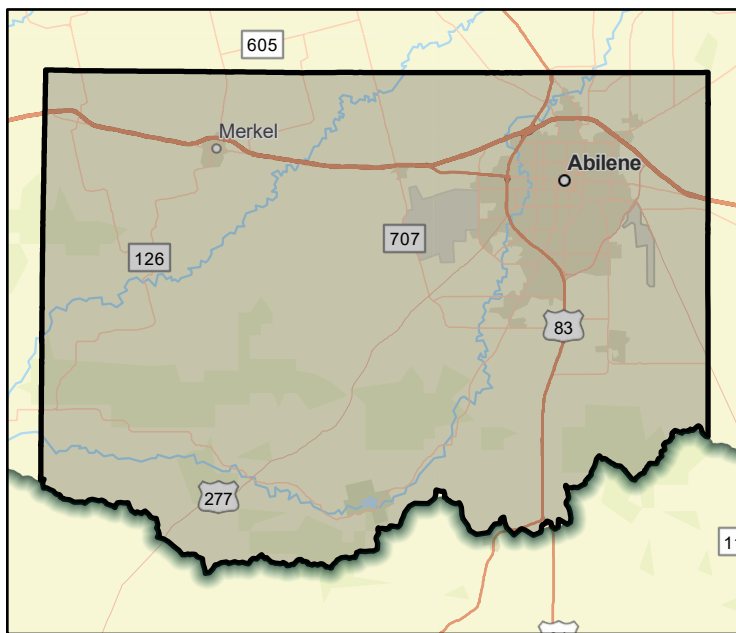
Study type Other  
 Study description Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.  
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No  
 County Taylor Watershed HUC# (if known) 120601020501, 120601020502, 120601020503, 120601020504,  
 Drainage area (Square miles, est.) 612 Goal(s) 07000083, 07000084, 07000085

## 100-Year Flood Risk Summary

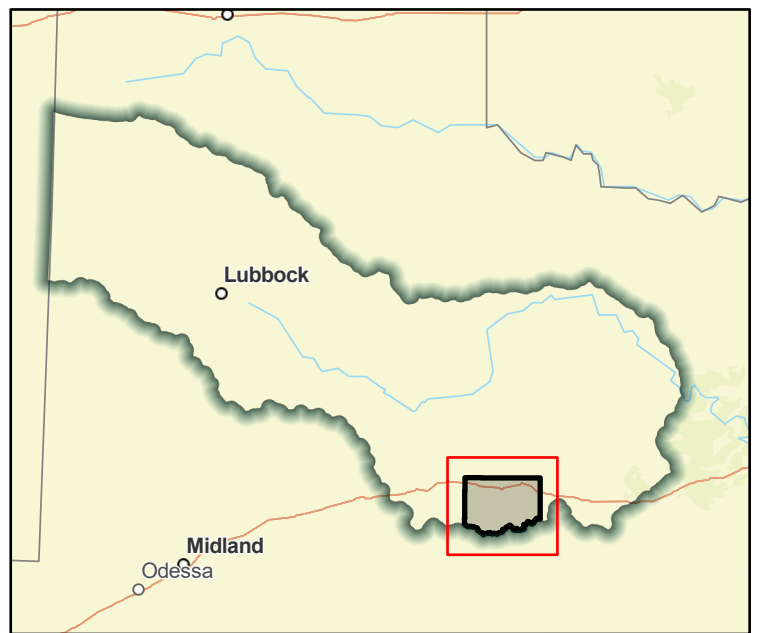
Population at risk 25,896 # of structures 11,167 Critical facilities 11  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 7,516 Roadway(s) impacted (length) 245  
 Number of low water crossings 72 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Taylor County DMP  
 ID# 071000075  
 Sponsor (name of entity, not person) Taylor (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

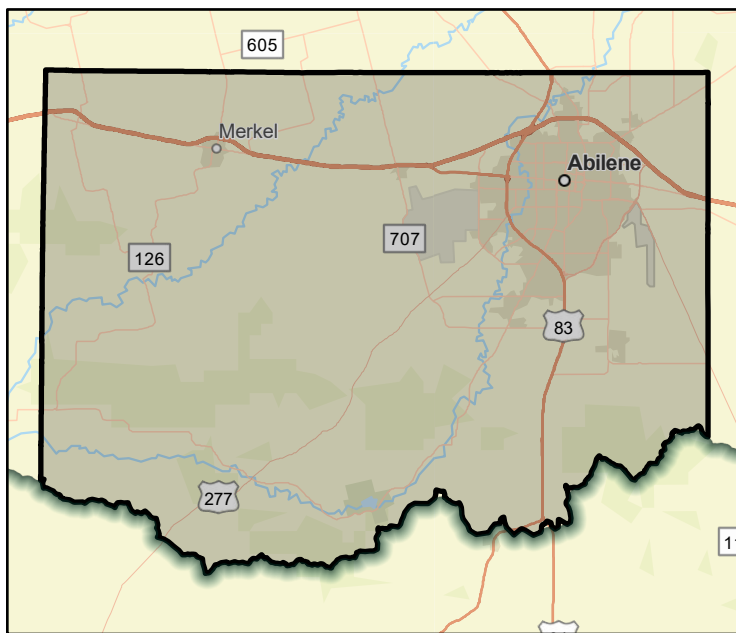
Study type Watershed Planning  
 Study description Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? Yes  
 County Taylor Watershed HUC# (if known) 120601020501, 120601020502, 120601020503, 120601020504,  
 Drainage area (Square miles, est.) 612 Goal(s) 07000011, 07000012

## 100-Year Flood Risk Summary

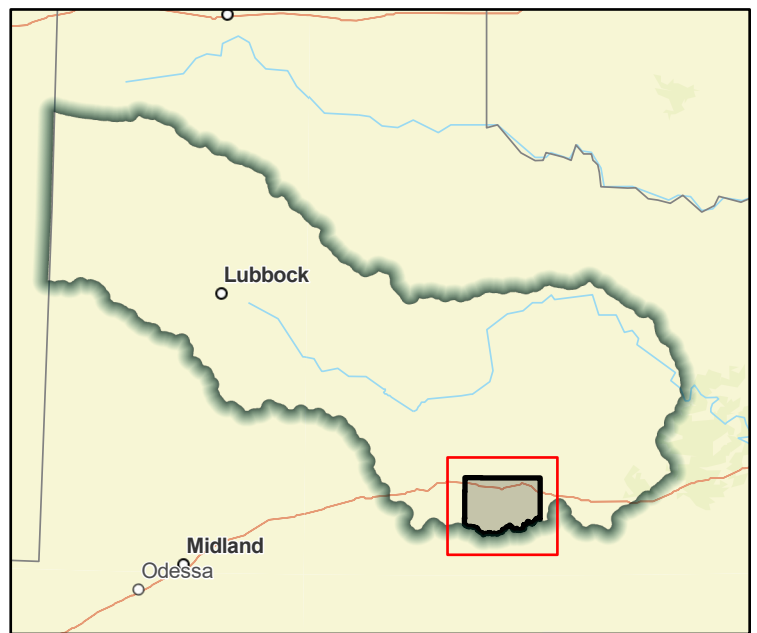
Population at risk 25,896 # of structures 11,167 Critical facilities 11  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 7,516 Roadway(s) impacted (length) 245  
 Number of low water crossings 72 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$500,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title Taylor County GIS Development  
 ID# 071000113  
 Sponsor (name of entity, not person) Taylor (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

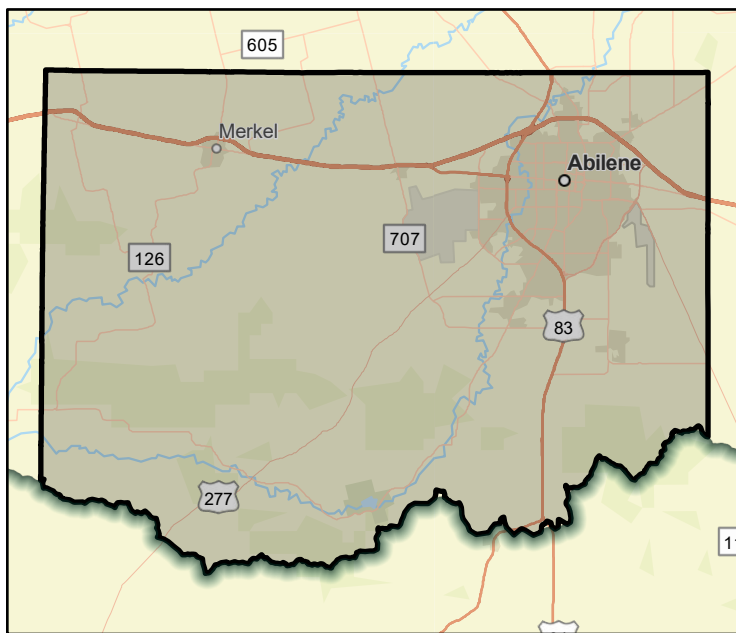
Study type Other  
 Study description Develop a GIS inventory of stormwater infrastructure  
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No  
 County Taylor Watershed HUC# (if known) 120601020501, 120601020502, 120601020503, 120601020504,  
 Drainage area (Square miles, est.) 612 Goal(s) 07000011, 07000012

## 100-Year Flood Risk Summary

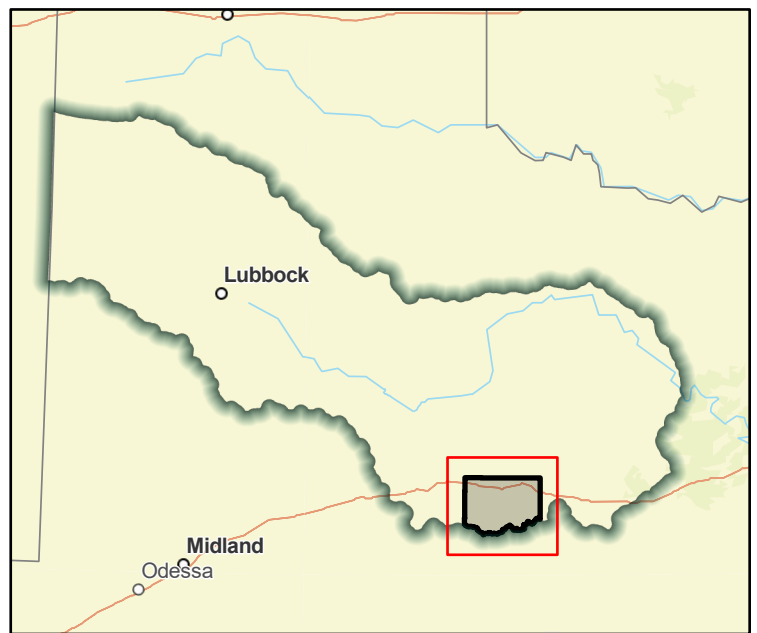
Population at risk 25,896 # of structures 11,167 Critical facilities 11  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 7,516 Roadway(s) impacted (length) 245  
 Number of low water crossings 72 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Taylor County Stream Restoration Program  
 ID# 071000197  
 Sponsor (name of entity, not person) Taylor (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

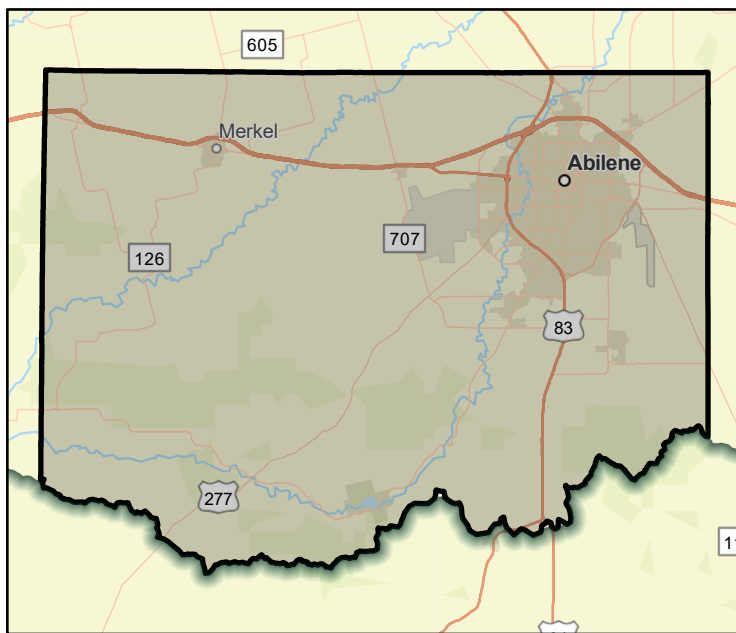
Study type Project Planning  
 Study description Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.  
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No  
 County Taylor Watershed HUC# (if known) 120601020501, 120601020502, 120601020503, 120601020504,  
 Drainage area (Square miles, est.) 612 Goal(s) 07000041, 07000042

## 100-Year Flood Risk Summary

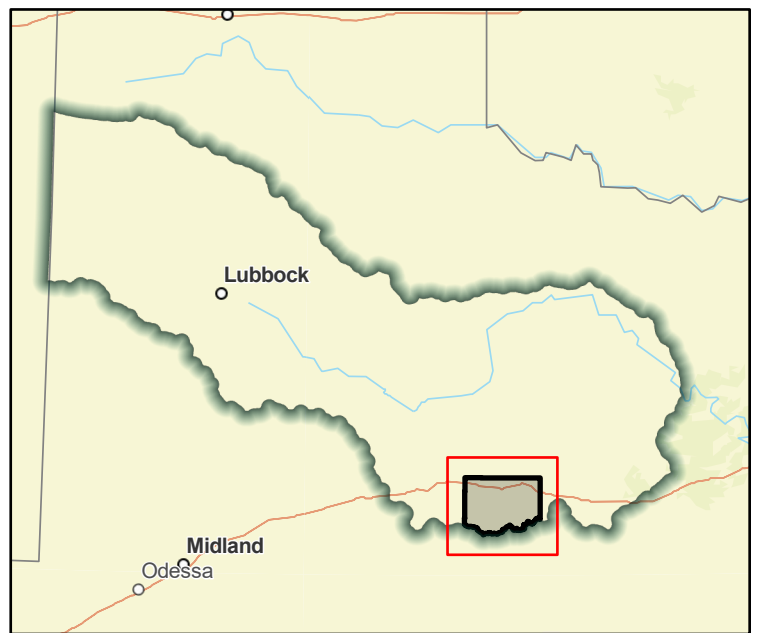
Population at risk 25,896 # of structures 11,167 Critical facilities 11  
 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? No  
 Farm/Ranch land impacted (acres) 7,516 Roadway(s) impacted (length) 245  
 Number of low water crossings 72 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$500,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Terry County DCM

ID# 071000198

Sponsor (name of entity, not person) Terry (County)

RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

Study type Other

Study description Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.

New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No

County Terry Watershed HUC# (if known) 120500040103, 120500040104, 120800010305, 120800010306,

Drainage area (Square miles, est.) 25 Goal(s) 07000083, 07000084, 07000085

## 100-Year Flood Risk Summary

Population at risk 5 # of structures 4 Critical facilities 0

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

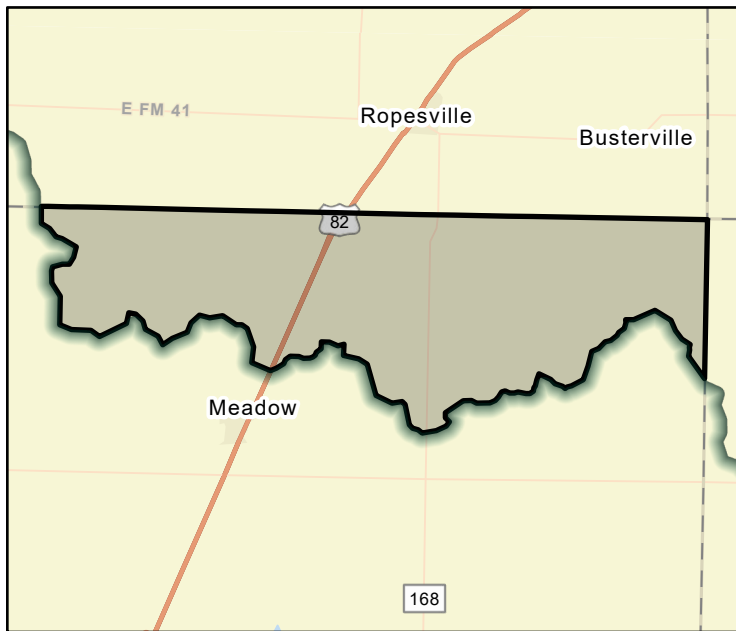
Farm/Ranch land impacted (acres) 3,373 Roadway(s) impacted (length) 27

Number of low water crossings 0 Historical road closures 0

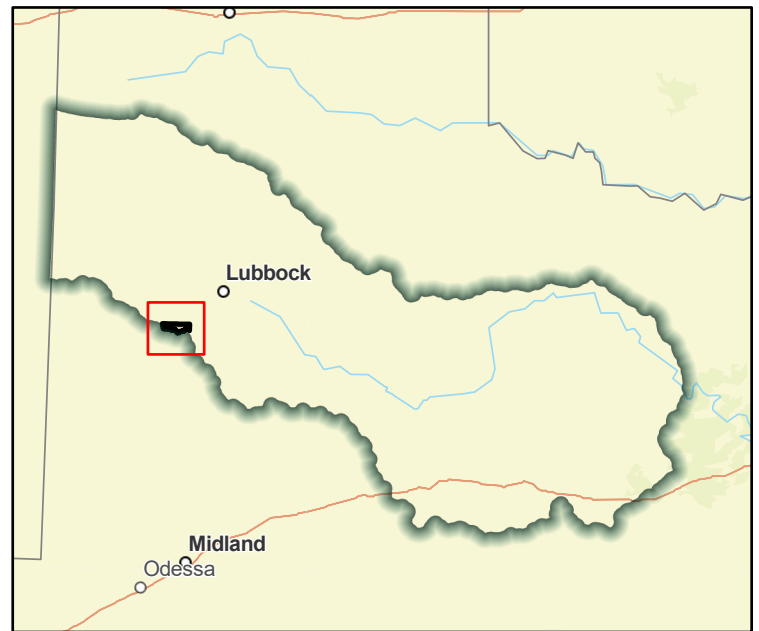
## Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding \$0 Federal funding availability No

Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Terry County GIS Development  
 ID# 071000114  
 Sponsor (name of entity, not person) Terry (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

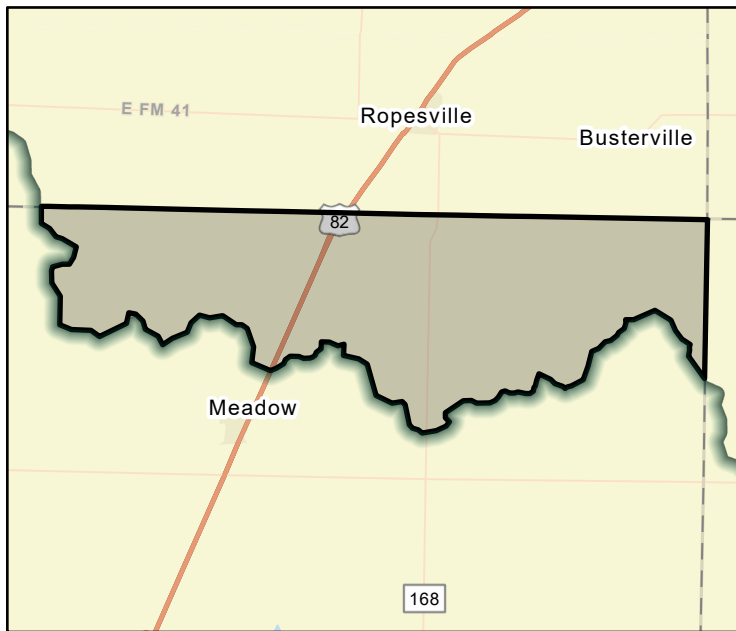
Study type Other  
 Study description Develop a GIS inventory of stormwater infrastructure  
 New Hydrologic or Hydraulic model? No Emergency Need? No Existing/Anticipated models in near term? No  
 County Terry Watershed HUC# (if known) 120500040103, 120500040104, 120800010305, 120800010306,  
 Drainage area (Square miles, est.) 25 Goal(s) 07000011, 07000012

## 100-Year Flood Risk Summary

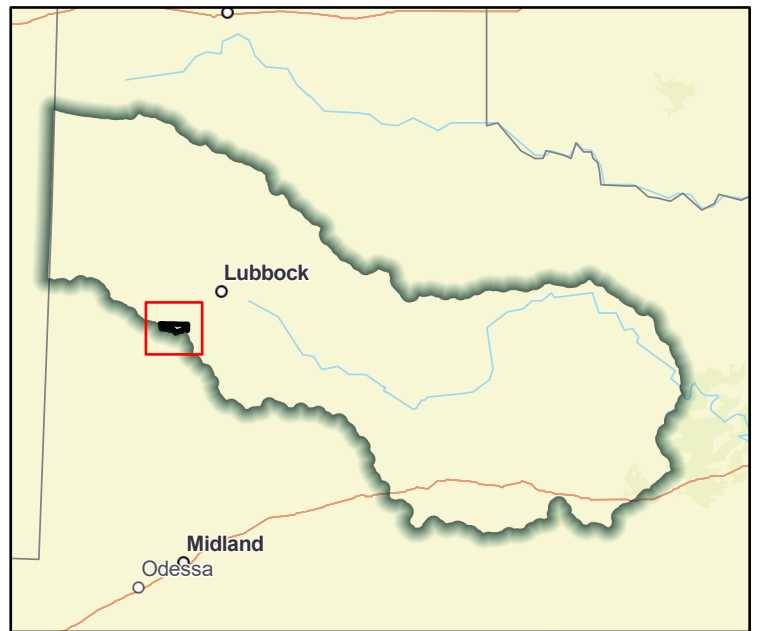
Population at risk 5 # of structures 4 Critical facilities 0  
 Flood risk type: Riverine? No Coastal? No Local? No Playa? Yes Other? No  
 Farm/Ranch land impacted (acres) 3,373 Roadway(s) impacted (length) 27  
 Number of low water crossings 0 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$100,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title Terry County Update FEMA Mapping  
 ID# 071000029  
 Sponsor (name of entity, not person) Terry (County)  
 RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Study Details

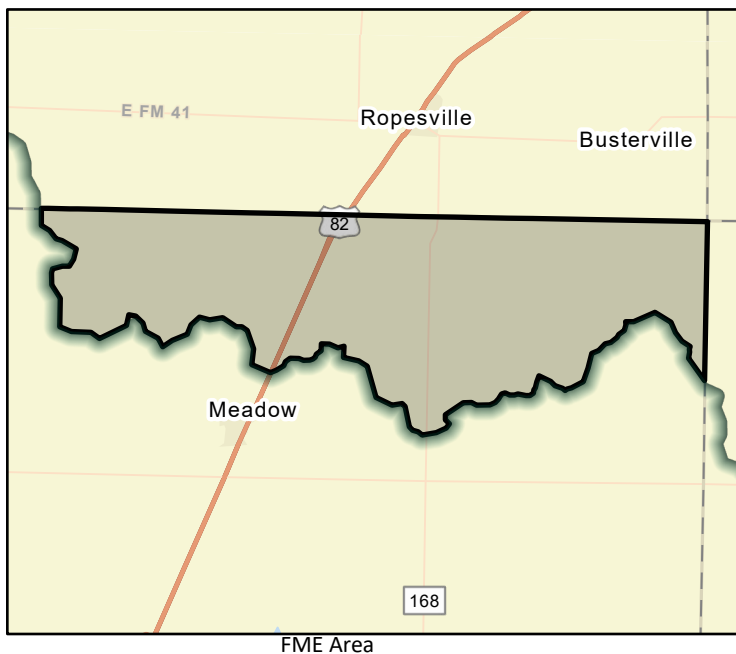
Study type Watershed Planning  
 Study description Update existing FEMA mapping  
 New Hydrologic or Hydraulic model? Yes Emergency Need? No Existing/Anticipated models in near term? No  
 County Terry Watershed HUC# (if known) 120500040103, 120500040104, 120800010305, 120800010306,  
 Drainage area (Square miles, est.) 25 Goal(s) 07000011, 07000012

## 100-Year Flood Risk Summary

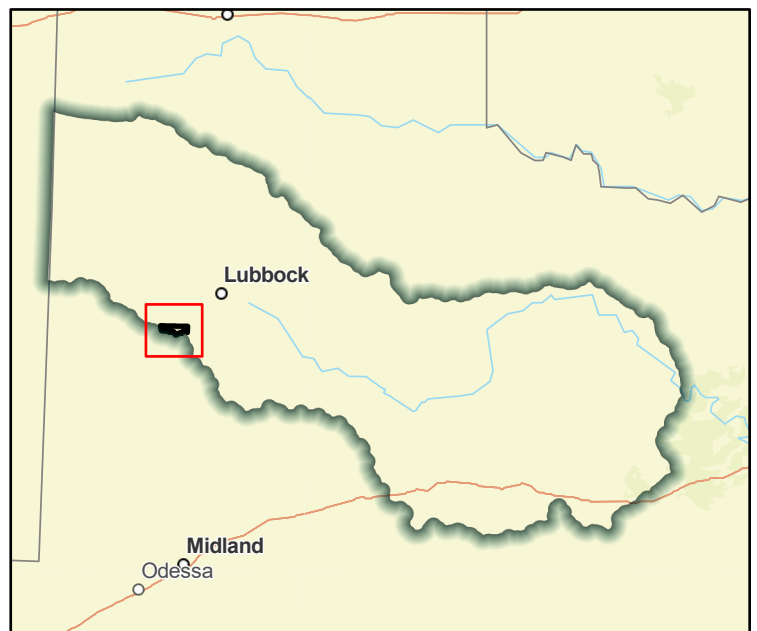
Population at risk 5 # of structures 4 Critical facilities 0  
 Flood risk type: Riverine? No Coastal? No Local? No Playa? Yes Other? No  
 Farm/Ranch land impacted (acres) 3,373 Roadway(s) impacted (length) 27  
 Number of low water crossings 0 Historical road closures 0

## Estimated Cost and Funding Availability

Total Cost \$1,010,000 Amount of Available Funding \$0 Federal funding availability No  
 Funding source None



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Throckmorton County DCM**

ID# **071000199**

Sponsor (name of entity, not person) **Throckmorton (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Throckmorton** Watershed HUC# (if known) **120601010502, 120601010503, 120601010504, 120601010505,**

Drainage area (Square miles, est.) **912** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **67** # of structures **98** Critical facilities **0**

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

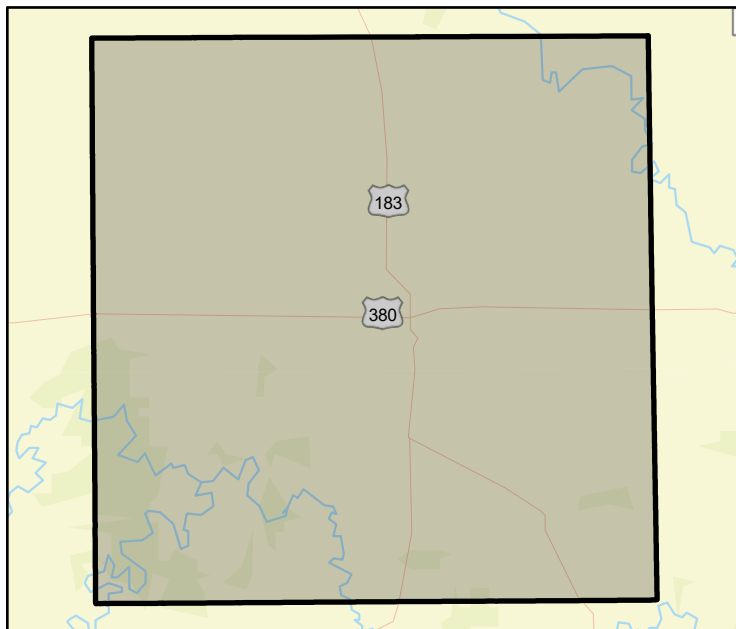
Farm/Ranch land impacted (acres) **63,522** Roadway(s) impacted (length) **65**

Number of low water crossings **6** Historical road closures **0**

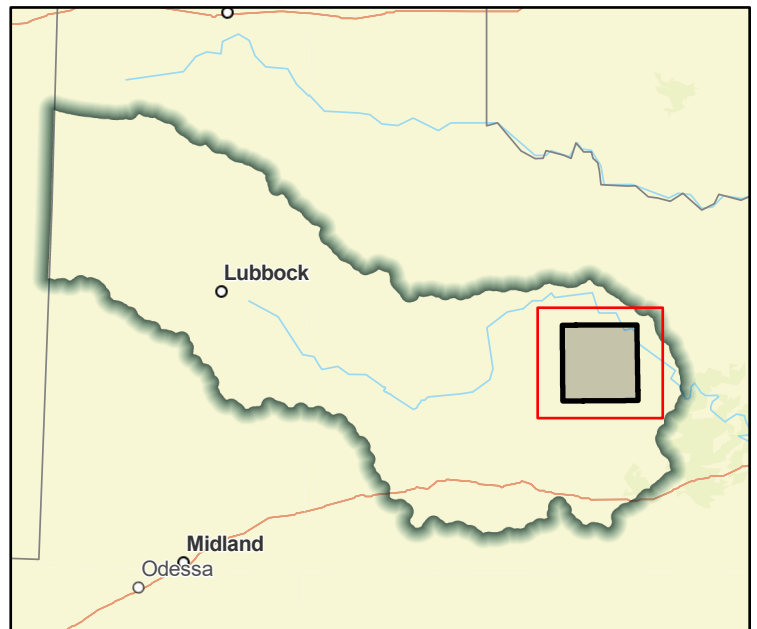
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Throckmorton County DMP**

ID# **071000076**

Sponsor (name of entity, not person) **Throckmorton (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Throckmorton** Watershed HUC# (if known) **120601010502, 120601010503, 120601010504, 120601010505,**

Drainage area (Square miles, est.) **912** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **67** # of structures **98** Critical facilities **0**

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

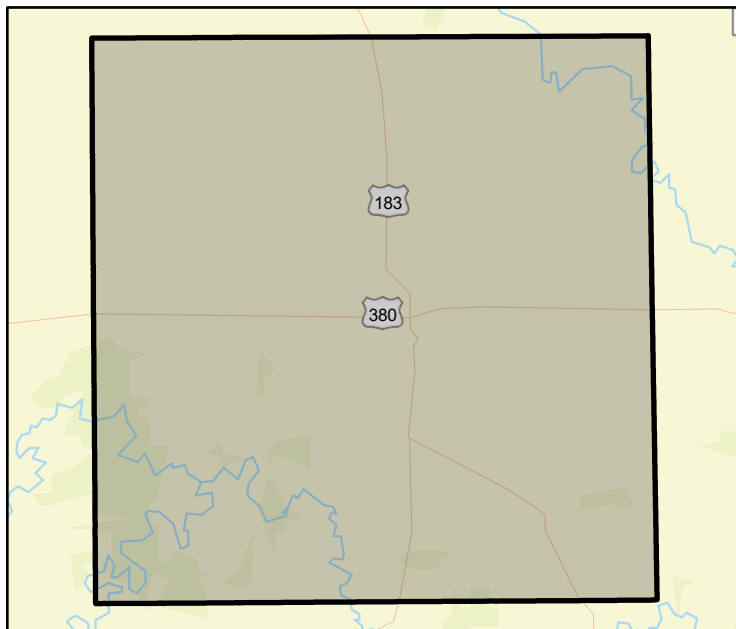
Farm/Ranch land impacted (acres) **63,522** Roadway(s) impacted (length) **65**

Number of low water crossings **6** Historical road closures **0**

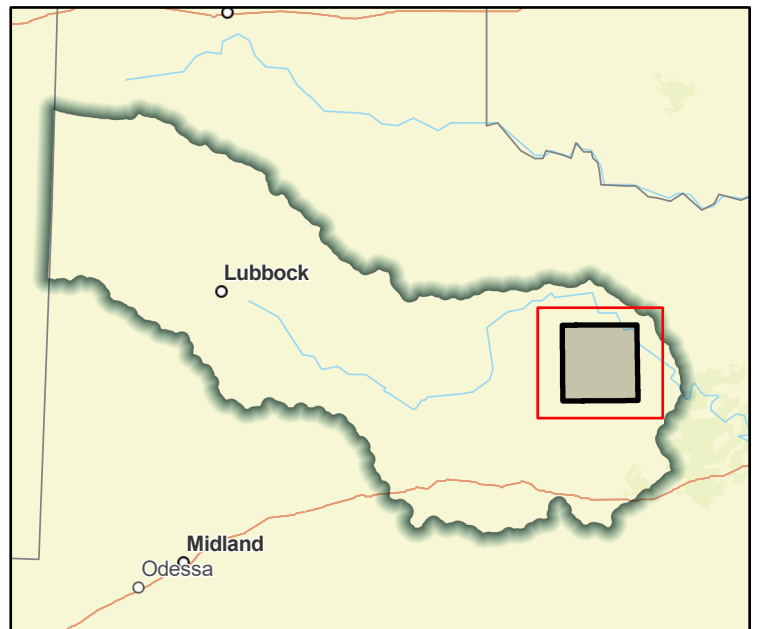
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Throckmorton County GIS Development**

ID# **071000115**

Sponsor (name of entity, not person) **Throckmorton (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Develop a GIS inventory of stormwater infrastructure**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Throckmorton** Watershed HUC# (if known) **120601010502, 120601010503, 120601010504, 120601010505,**

Drainage area (Square miles, est.) **912** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **67** # of structures **98** Critical facilities **0**

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

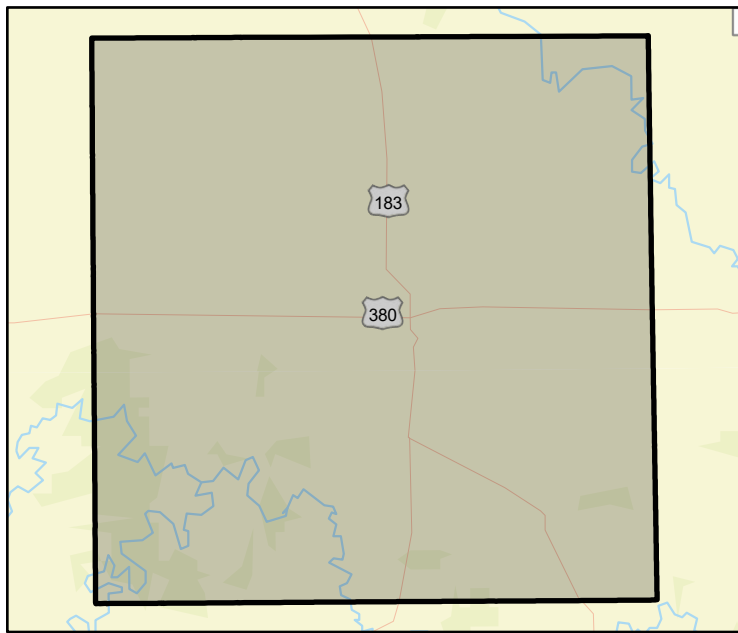
Farm/Ranch land impacted (acres) **63,522** Roadway(s) impacted (length) **65**

Number of low water crossings **6** Historical road closures **0**

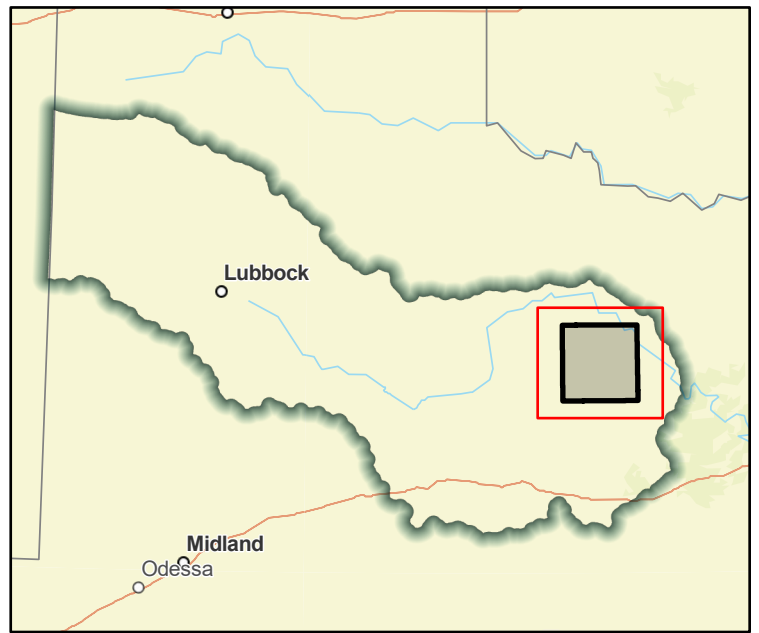
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Throckmorton County Update FEMA Mapping**

ID# **071000030**

Sponsor (name of entity, not person) **Throckmorton (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Update existing FEMA mapping**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Throckmorton** Watershed HUC# (if known) **120601010502, 120601010503, 120601010504, 120601010505,**

Drainage area (Square miles, est.) **912** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **67** # of structures **98** Critical facilities **0**

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

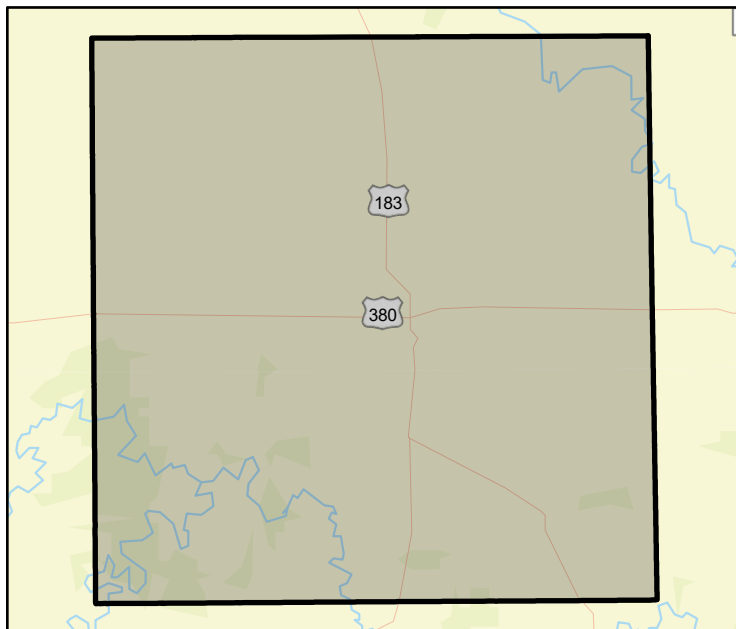
Farm/Ranch land impacted (acres) **63,522** Roadway(s) impacted (length) **65**

Number of low water crossings **6** Historical road closures **0**

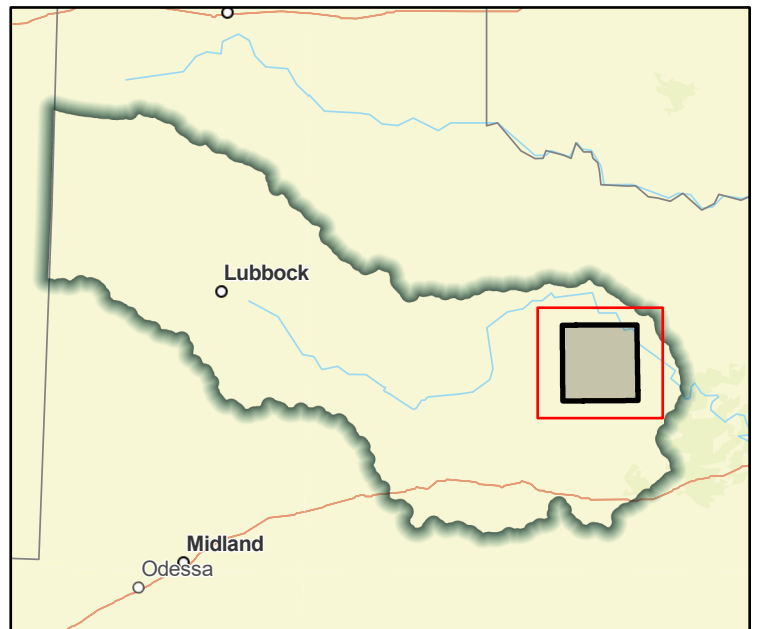
## Estimated Cost and Funding Availability

Total Cost **\$1,010,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Town of Aspermont DMP**

ID# **071000077**

Sponsor (name of entity, not person) **Aspermont (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Stonewall** Watershed HUC# (if known) **120500040905, 120500070706, 120500070707**

Drainage area (Square miles, est.) **2** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

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

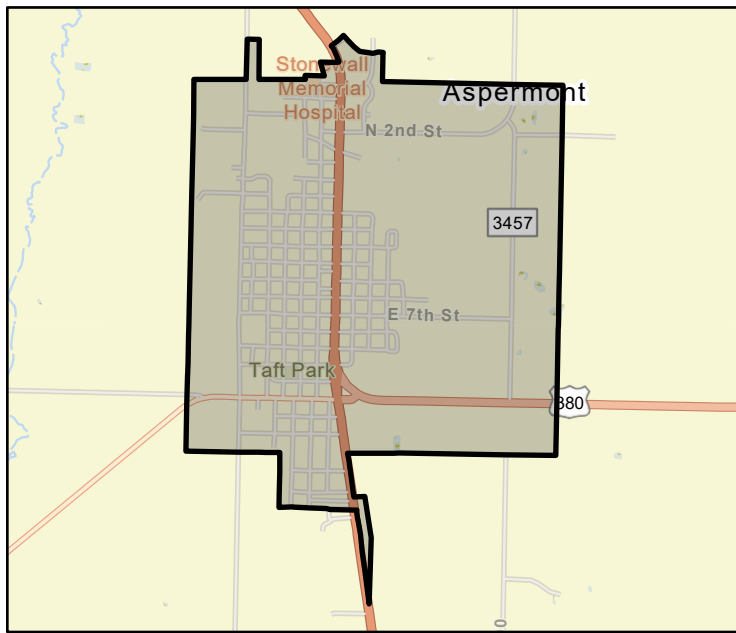
Farm/Ranch land impacted (acres) **2** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Town of Buffalo Gap DMP**

ID# **071000078**

Sponsor (name of entity, not person) **Buffalo Gap (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Evaluate areas with repetitive losses. Recommend mitigation needs.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **Yes**

County **Taylor** Watershed HUC# (if known) **120601020703**

Drainage area (Square miles, est.) **2** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **16** # of structures **18** Critical facilities **0**

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

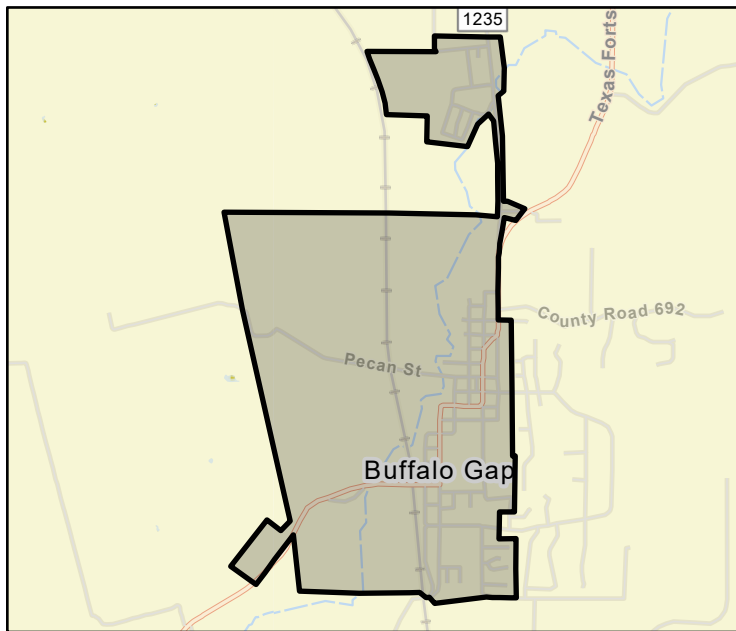
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **0**

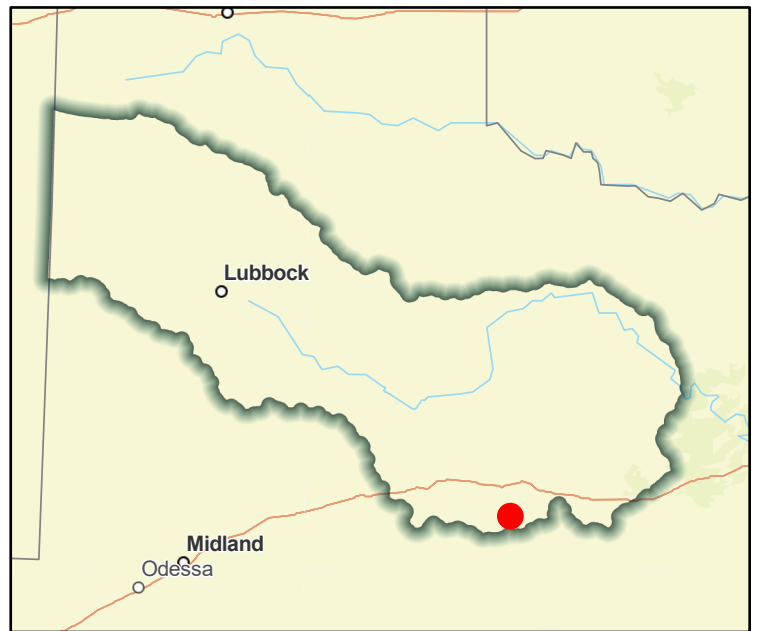
## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Town of Megargel DMP**

ID# **071000079**

Sponsor (name of entity, not person) **Megargel (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Evaluate the storm drain system for capacity and functionality.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Archer** Watershed HUC# (if known) **111302090105, 120601010806**

Drainage area (Square miles, est.) **0** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **0** # of structures **0** Critical facilities **0**

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

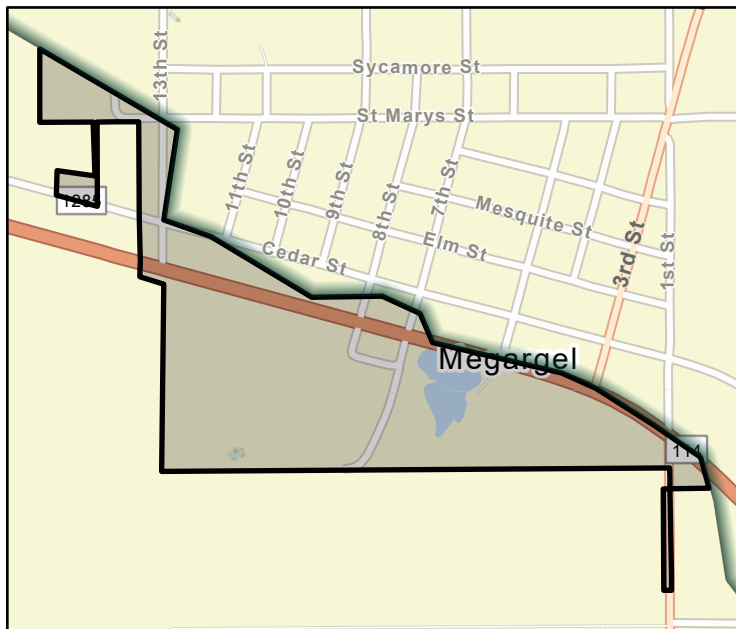
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

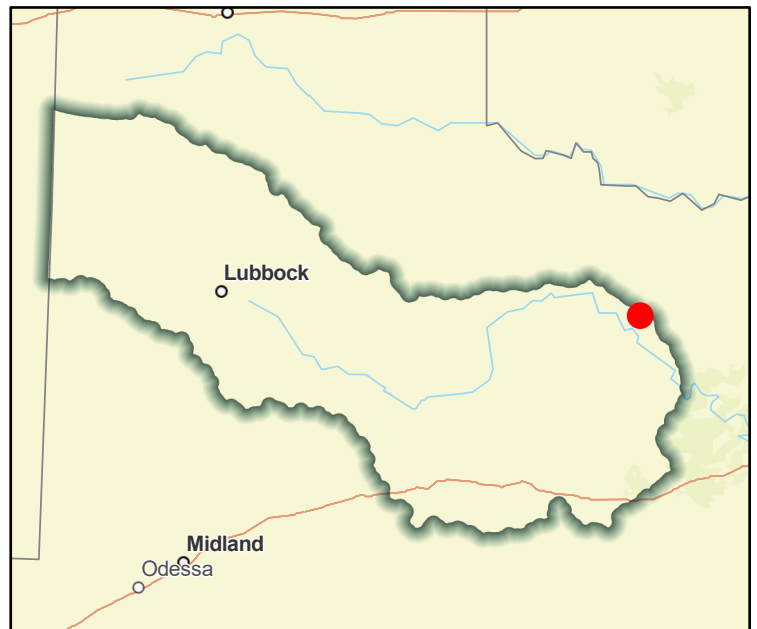
## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Town of Rochester DMP**  
ID# **071000080**  
Sponsor (name of entity, not person) **Rochester (Municipality)**  
RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**  
Study description **Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**  
New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**  
County **Haskell** Watershed HUC# (if known) **120601010401**  
Drainage area (Square miles, est.) **0** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

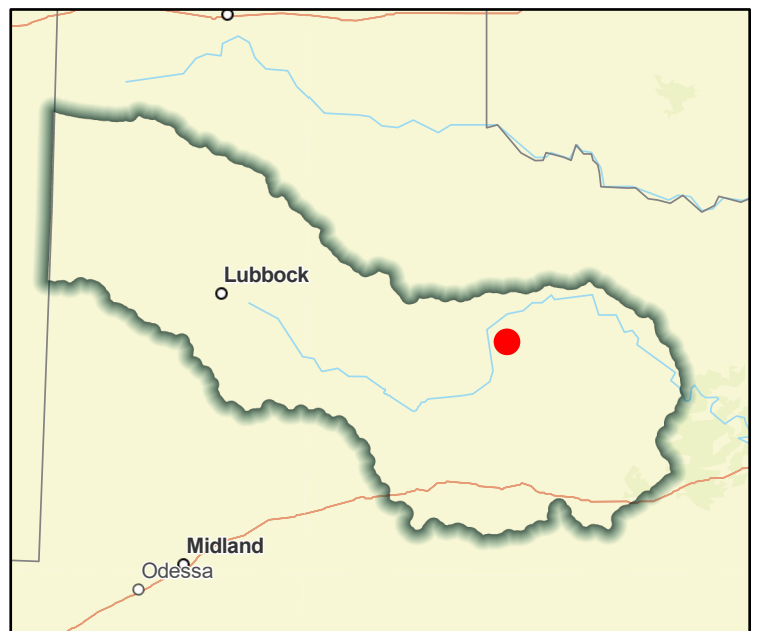
Population at risk **26** # of structures **27** Critical facilities **0**  
Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**  
Farm/Ranch land impacted (acres) **5** Roadway(s) impacted (length) **1**  
Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**  
Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Town of Rochester Relocate Critical Facilities High Hazard**

ID# **071000200**

Sponsor (name of entity, not person) **Rochester (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Haskell** Watershed HUC# (if known) **120601010401**

Drainage area (Square miles, est.) **0** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **26** # of structures **27** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **5** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



# Flood Management Evaluation (FME)



Title **Town of Rule DMP**

ID# **071000081**

Sponsor (name of entity, not person) **Rule (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Haskell** Watershed HUC# (if known) **120601010401**

Drainage area (Square miles, est.) **1** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **47** # of structures **33** Critical facilities **0**

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

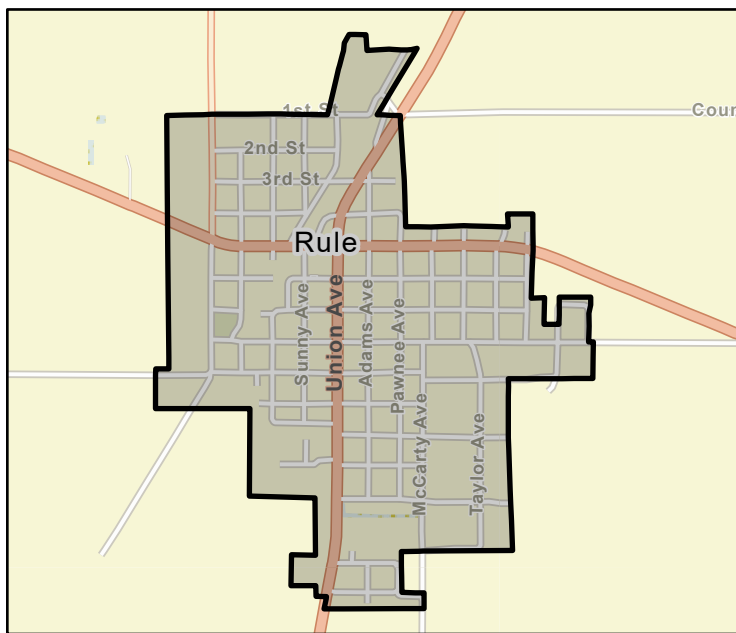
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **2**

Number of low water crossings **0** Historical road closures **0**

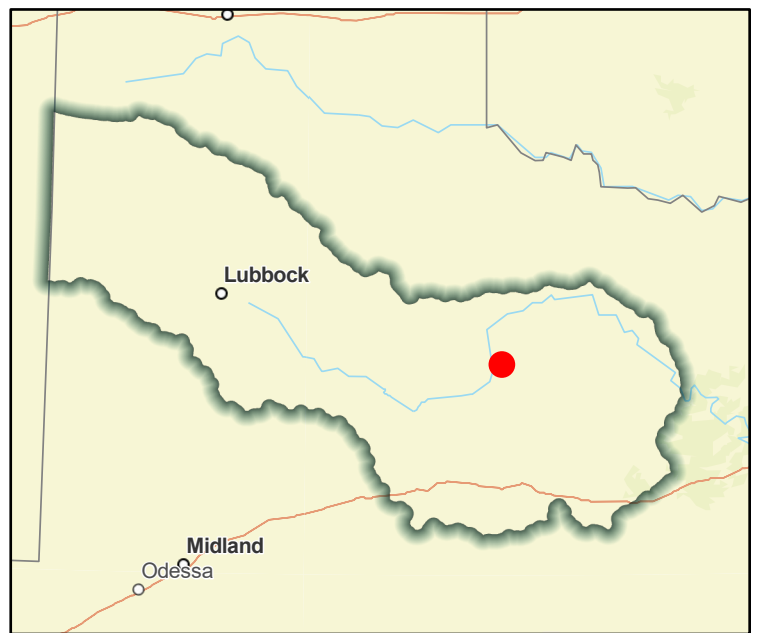
## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Town of Rule Stream Restoration Program**

ID# **071000201**

Sponsor (name of entity, not person) **Rule (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Haskell** Watershed HUC# (if known) **120601010401**

Drainage area (Square miles, est.) **1** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **47** # of structures **33** Critical facilities **0**

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

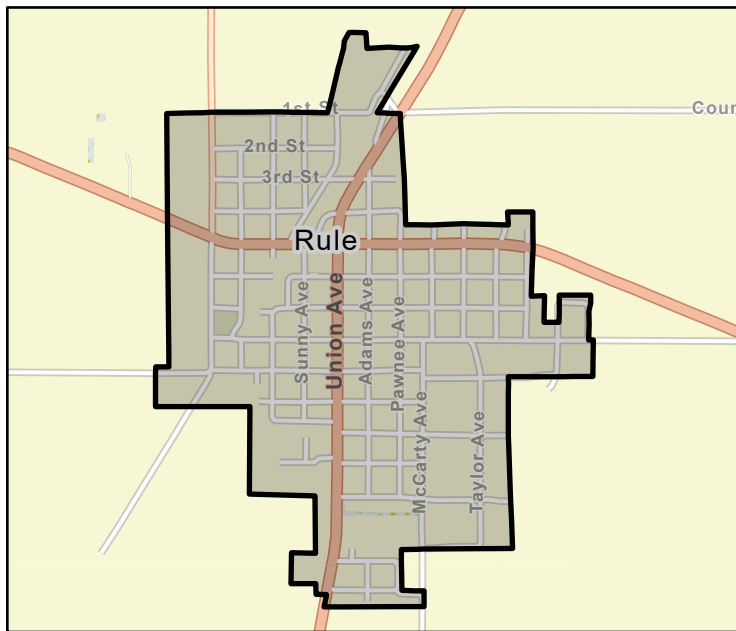
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **2**

Number of low water crossings **0** Historical road closures **0**

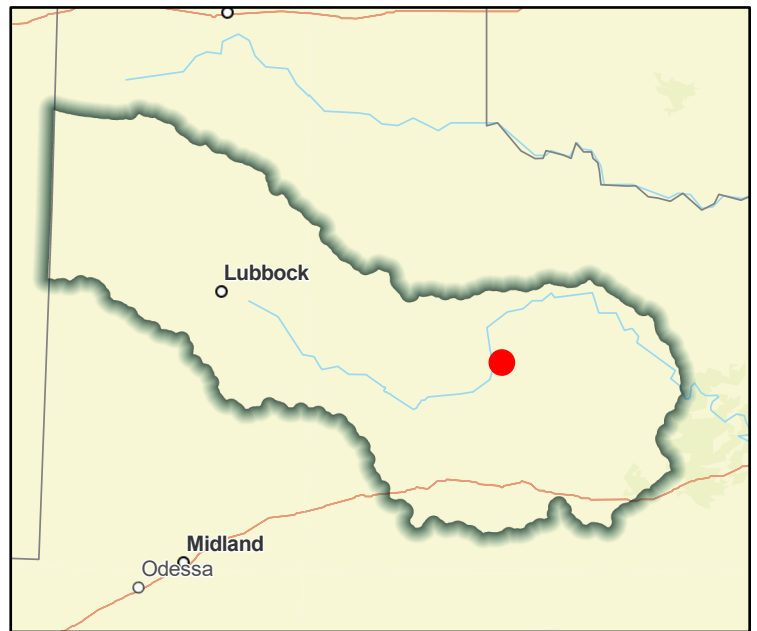
## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Town of Throckmorton Relocate Critical Facilities High Hazard**

ID# **071000202**

Sponsor (name of entity, not person) **Throckmorton (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Relocate critical facilities out of high hazard areas.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Throckmorton** Watershed HUC# (if known) **120601010703, 120601010705**

Drainage area (Square miles, est.) **2** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **27** # of structures **26** Critical facilities **0**

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

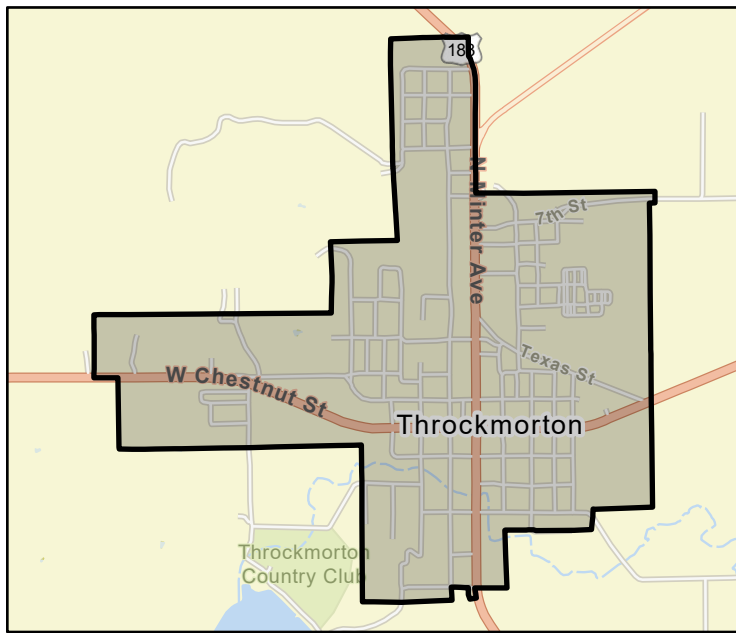
Farm/Ranch land impacted (acres) **27** Roadway(s) impacted (length) **2**

Number of low water crossings **0** Historical road closures **0**

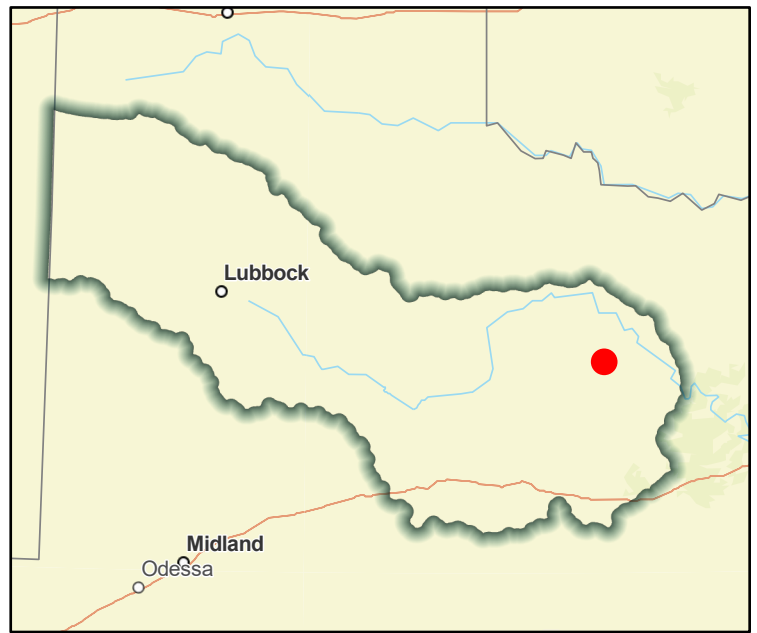
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Town of Woodson DMP**  
ID# **071000082**  
Sponsor (name of entity, not person) **Woodson (Municipality)**  
RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

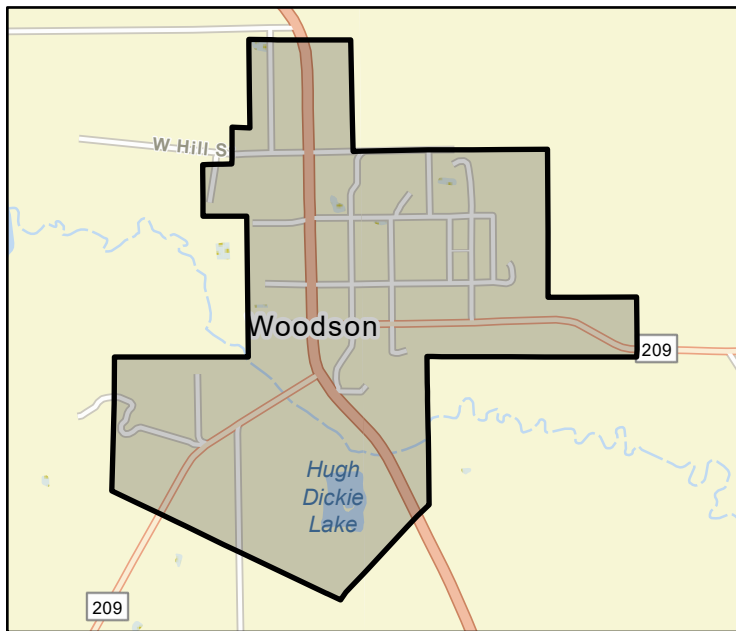
Study type **Watershed Planning**  
Study description **Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**  
New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**  
County **Throckmorton** Watershed HUC# (if known) **120601040203**  
Drainage area (Square miles, est.) **1** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

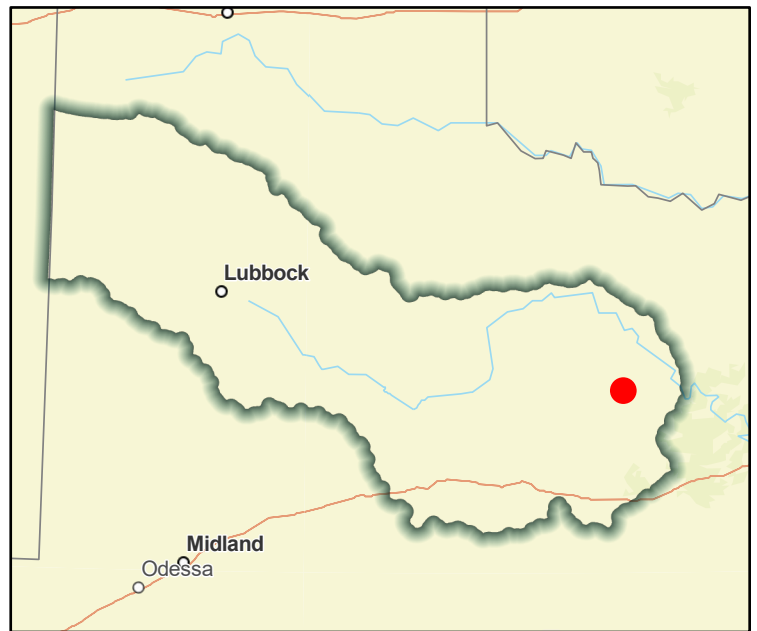
Population at risk **25** # of structures **10** Critical facilities **0**  
Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**  
Farm/Ranch land impacted (acres) **5** Roadway(s) impacted (length) **0**  
Number of low water crossings **0** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**  
Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Town of Woodson Stream Restoration Program**

ID# **071000203**

Sponsor (name of entity, not person) **Woodson (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Project Planning**

Study description **Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Throckmorton** Watershed HUC# (if known) **120601040203**

Drainage area (Square miles, est.) **1** Goal(s) **07000041, 07000042**

## 100-Year Flood Risk Summary

Population at risk **25** # of structures **10** Critical facilities **0**

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

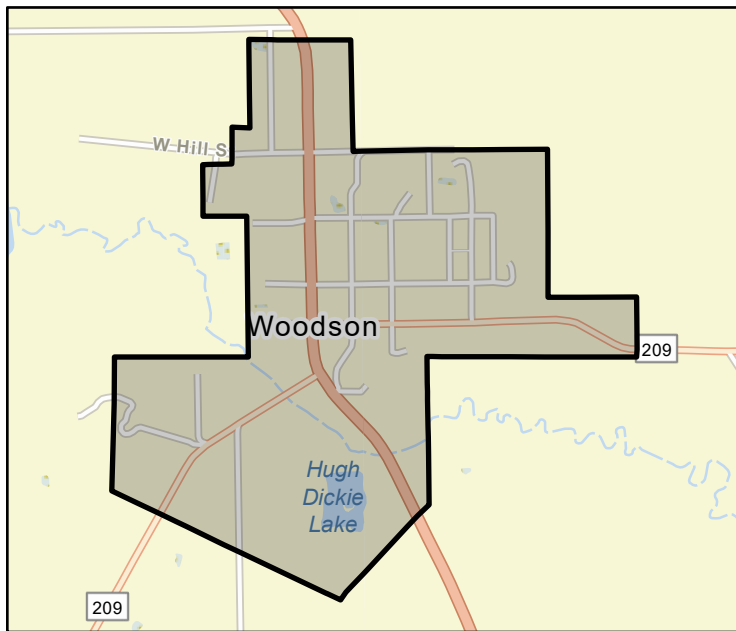
Farm/Ranch land impacted (acres) **5** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

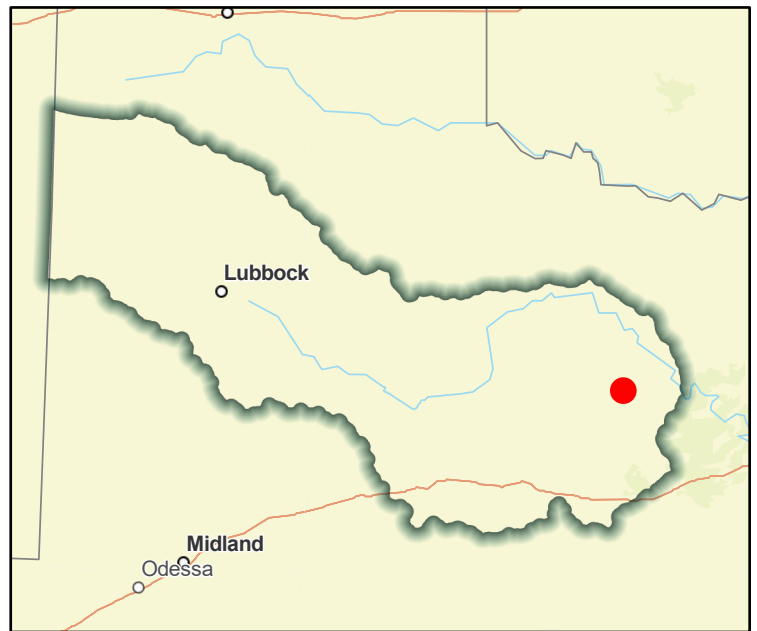
## Estimated Cost and Funding Availability

Total Cost **\$250,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Upper Brazos Dam Inventory Evaluation**  
ID# **071000204**  
Sponsor (name of entity, not person) **South Plains Association of Governments**  
RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

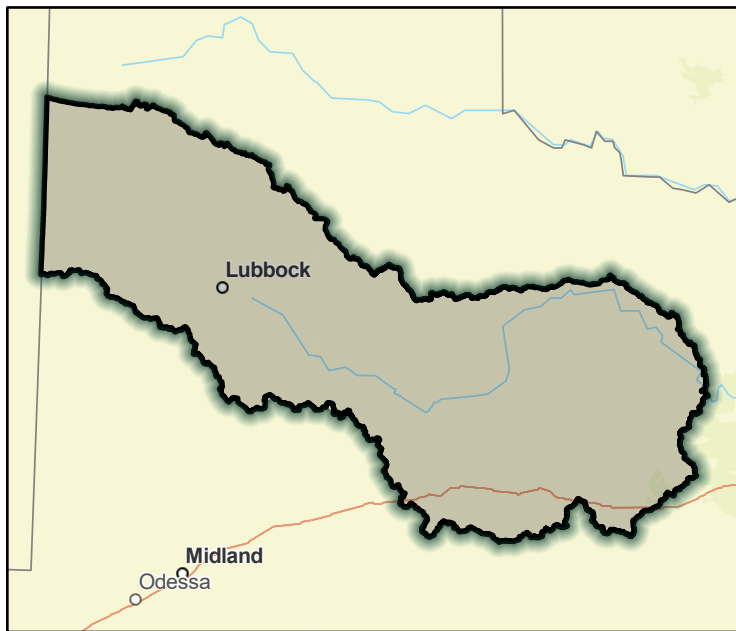
Study type **Other**  
Study description **Develop a baseline understanding of the risks associated with high and significant hazard and NRCS dams within the basin, including coordination with the Texas State Soil & Water Conservation Board dam maintenance plan.**  
New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**  
County **All** Watershed HUC# (if known) **120500011104,120601050203,120500070706,120601010707,120500070**  
Drainage area (Square miles, est.) **20,028** Goal(s) **07000031, 07000032**

## 100-Year Flood Risk Summary

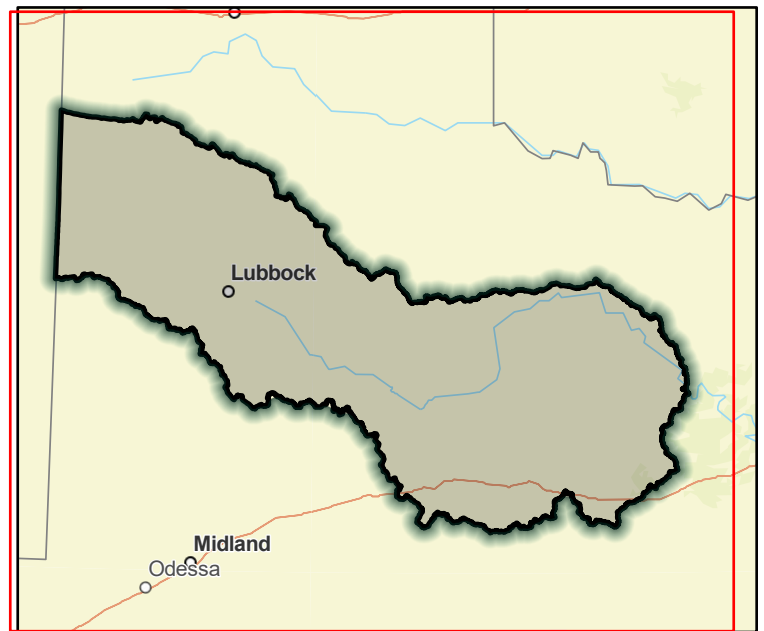
Population at risk **60,299** # of structures **28,532** Critical facilities **44**  
Flood risk type: Riverine? **Yes** Coastal? **No** Local? **Yes** Playa? **Yes** Other? **No**  
Farm/Ranch land impacted (acres) **869,138** Roadway(s) impacted (length) **5,944**  
Number of low water crossings **292** Historical road closures **0**

## Estimated Cost and Funding Availability

Total Cost **\$750,000** Amount of Available Funding **\$0** Federal funding availability **No**  
Funding source **None**



FME Area



Regional view of FME area



# Flood Management Evaluation (FME)



Title **Upper Brazos Industry Flood Losses Inventory Evaluation**

ID# **071000205**

Sponsor (name of entity, not person) **South Plains Association of Governments**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Reduce the vulnerability of agriculture, ranching, energy and forestry to flood-related losses by establishing a baseline measurement.**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **All** Watershed HUC# (if known) **120500011104,120601050203,120500070706,120601010707,120500070**

Drainage area (Square miles, est.) **20,028** Goal(s) **07000051, 07000052**

## 100-Year Flood Risk Summary

Population at risk **60,299** # of structures **28,532** Critical facilities **44**

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

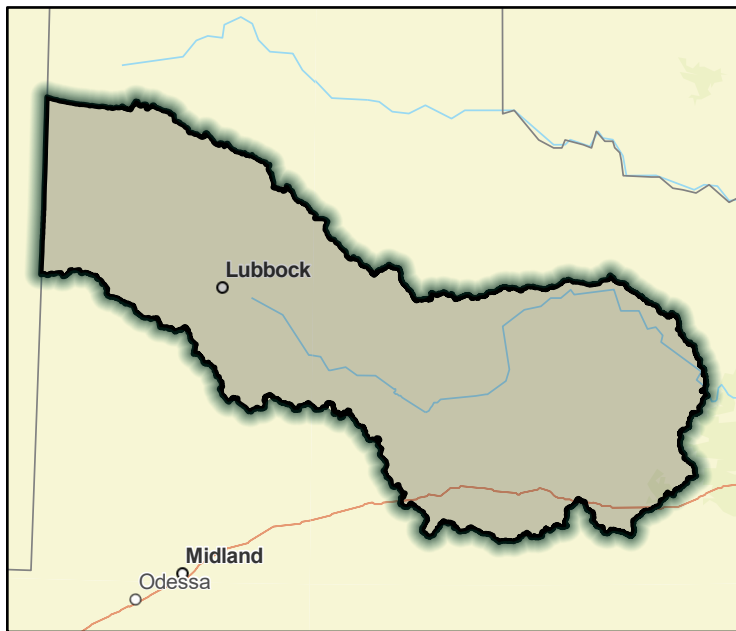
Farm/Ranch land impacted (acres) **869,138** Roadway(s) impacted (length) **5,944**

Number of low water crossings **292** Historical road closures **0**

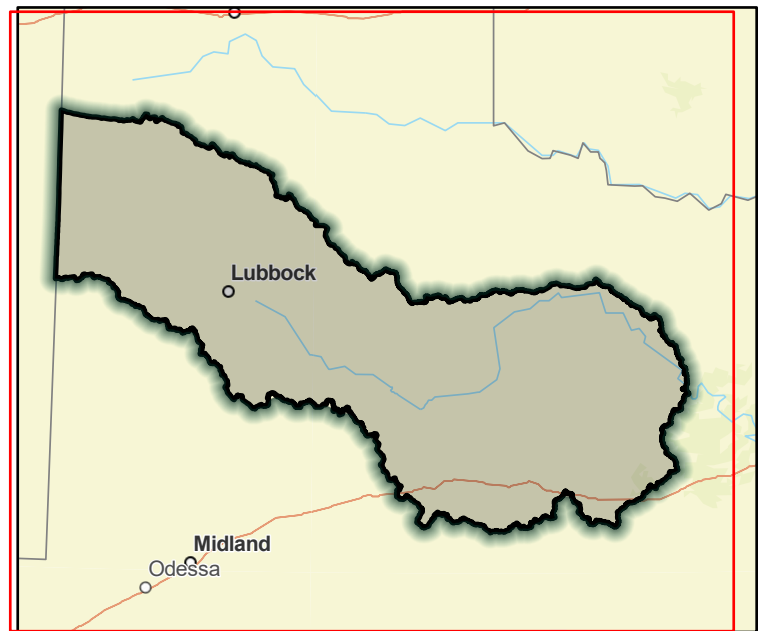
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Young County DCM**

ID# **071000206**

Sponsor (name of entity, not person) **Young (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Other**

Study description **Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.**

New Hydrologic or Hydraulic model? **No** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Young** Watershed HUC# (if known) **111302090201, 120301010101, 120301010102, 120301010103,**

Drainage area (Square miles, est.) **408** Goal(s) **07000083, 07000084, 07000085**

## 100-Year Flood Risk Summary

Population at risk **128** # of structures **190** Critical facilities **0**

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

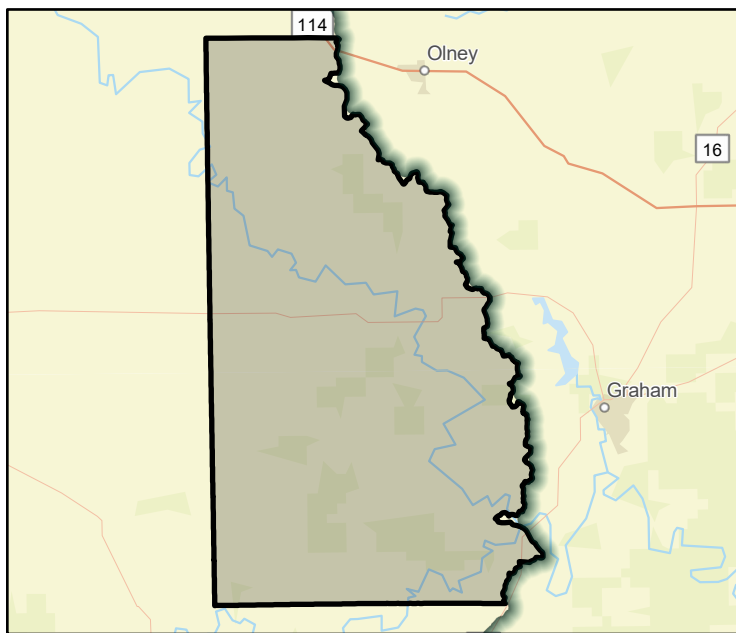
Farm/Ranch land impacted (acres) **25,847** Roadway(s) impacted (length) **53**

Number of low water crossings **1** Historical road closures **0**

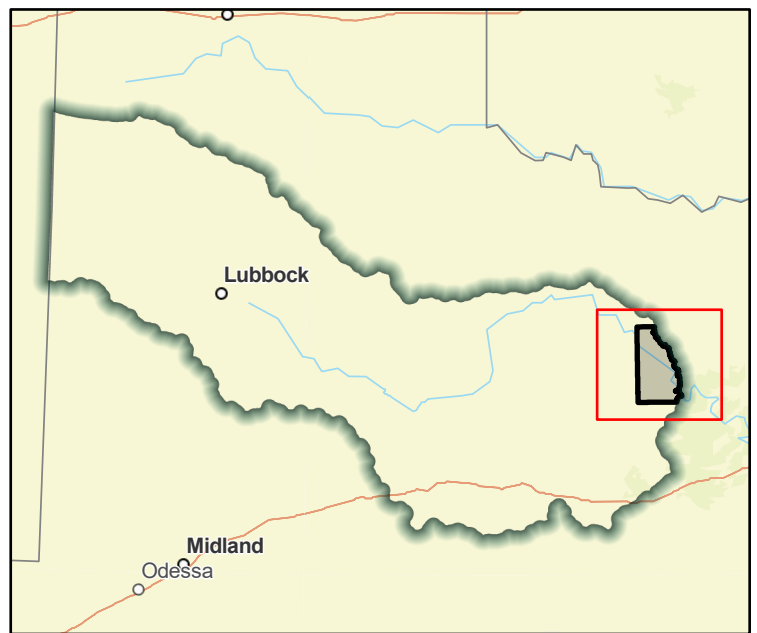
## Estimated Cost and Funding Availability

Total Cost **\$100,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

# Flood Management Evaluation (FME)



Title **Young County DMP**

ID# **071000083**

Sponsor (name of entity, not person) **Young (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Study Details

Study type **Watershed Planning**

Study description **Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas**

New Hydrologic or Hydraulic model? **Yes** Emergency Need? **No** Existing/Anticipated models in near term? **No**

County **Young** Watershed HUC# (if known) **111302090201, 120301010101, 120301010102, 120301010103,**

Drainage area (Square miles, est.) **408** Goal(s) **07000011, 07000012**

## 100-Year Flood Risk Summary

Population at risk **128** # of structures **190** Critical facilities **0**

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

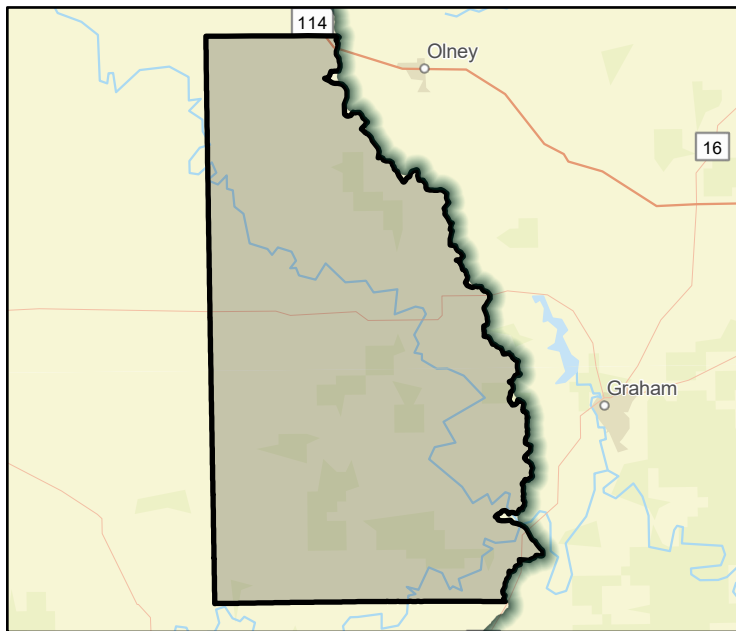
Farm/Ranch land impacted (acres) **25,847** Roadway(s) impacted (length) **53**

Number of low water crossings **1** Historical road closures **0**

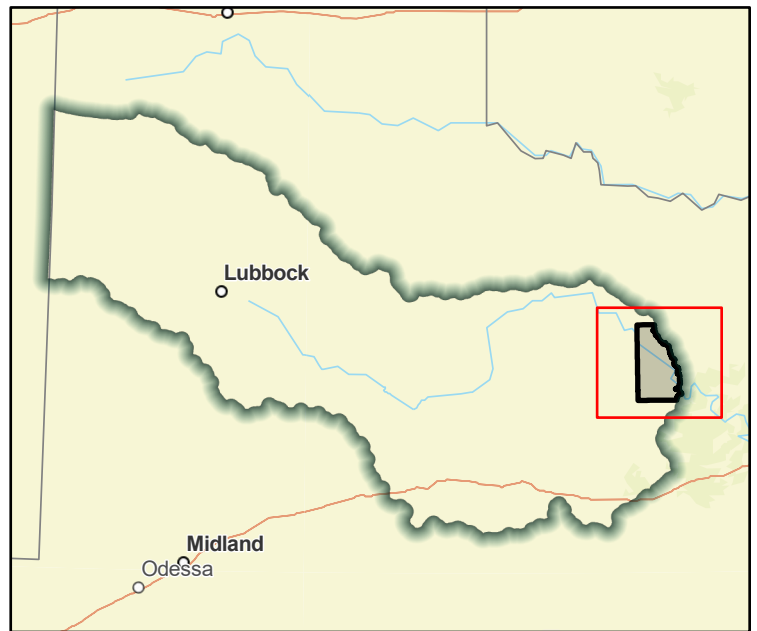
## Estimated Cost and Funding Availability

Total Cost **\$500,000** Amount of Available Funding **\$0** Federal funding availability **No**

Funding source **None**



FME Area



Regional view of FME area

FINAL JANUARY 10, 2023

## **APPENDIX C - ADDITIONAL DATA**

TASK 5 FMP ONE PAGE SUMMARY SHEETS

# Flood Mitigation Project (FMP)



Title **Bovina Buyout Program**

ID# **073000014** Sponsor **Parmer (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Project Description

Buy out 5 properties, pending owners' voluntary agreement, along East Street, that are directly across from the playa lake and to make the area into open green space

Watershed HUC# (if known) **120500050108** Emergency Need? **No**

Drainage area (mi<sup>2</sup> est.) **0**

Associated FME's **None** County **Parmer**

Associated FMS's **None** Associated FMP's **None**

## Existing 100-Year Flood Risk

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

Population at risk **0** # of structures **0** Critical facilities **0**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **0**

## 100-Year Flood Risk Reduction

Population removed from 100-yr **5** # of structures removed from 100-yr **5**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **0**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits  Reduction in # of road closures over 10 years **0**

## Impacts

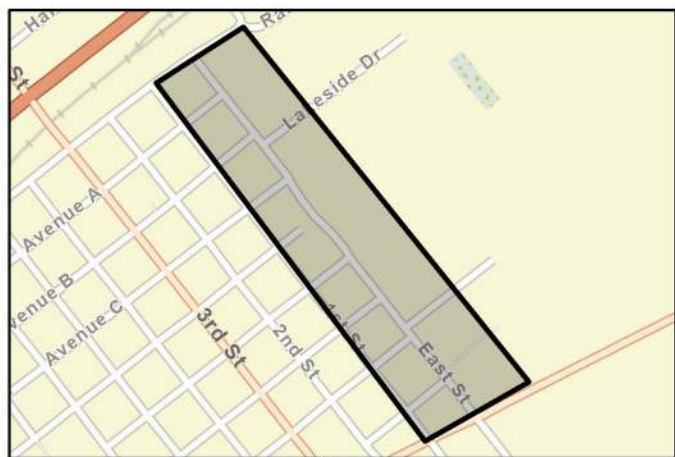
Negative impacts? **No** Negative impacts description **n/a**

Water supply contributions? **No** Water supply contribution description **None**

## Estimated Cost

Project Cost **\$550,000** % Nature-Based **0** BCR **2**

Recurring costs **\$0** Issues



FMP area



Regional view of FMP area



# Flood Mitigation Project (FMP)



Title **City of Abilene Downtown Railroad Underpasses Flood Warning**

ID# **073000006** Sponsor **Abilene (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Project Description

Installation of sensors at three railroad underpass to monitor water levels

Watershed HUC# (if known) **120601020708, 120601020710** Emergency Need? **No**

Drainage area (mi<sup>2</sup> est.) **0**

Associated FME's **None** County **Taylor**

Associated FMS's **None** Associated FMP's **None**

## Existing 100-Year Flood Risk

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

Population at risk **0** # of structures **0** Critical facilities **0**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **0**

Number of low water crossings **0** Historical road closures **37**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits  Reduction in # of road closures over 10 years **0**

## Impacts

Negative impacts? **No** Negative impacts description **n/a**

Water supply contributions? **No** Water supply contribution description **None**

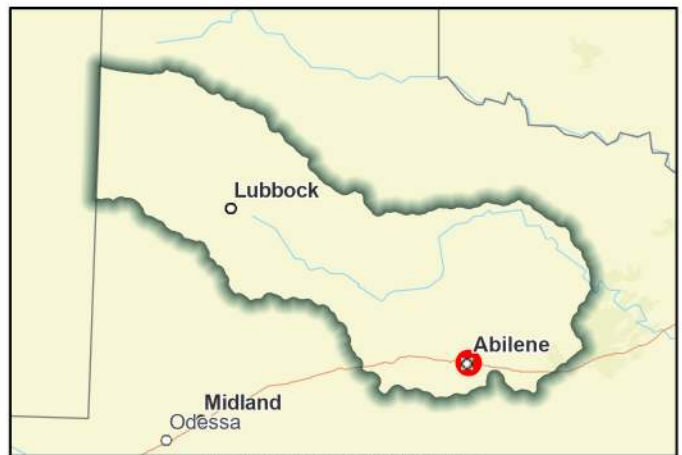
## Estimated Cost

Project Cost **\$636,000** % Nature-Based **0** BCR **0**

Recurring costs **\$0** Issues



FMP area



Regional view of FMP area

# Flood Mitigation Project (FMP)



Title **City of Lubbock Stormwater Master Plan: Santa Fe Drive Improvements**

ID# **073000011** Sponsor **Lubbock (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Project Description

Playa excavation and open channel construction for playa overflow and culvert improvements.

Watershed HUC# (if known) **1220500030102** Emergency Need? **No**

Drainage area (mi<sup>2</sup> est.) **0**

Associated FME's **None** County **Lubbock**

Associated FMS's **None** Associated FMP's **None**

## Existing 100-Year Flood Risk

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

Population at risk **214** # of structures **87** Critical facilities **0**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (length) **1**

Number of low water crossings **0** Historical road closures **0**

## 100-Year Flood Risk Reduction

Population removed from 100-yr **84** # of structures removed from 100-yr **35**

Critical facilities removed from 100-yr **0** Farm/Ranch land removed from 100-yr (acres) **0**

Road removed from 100-yr (miles) **0** Low water crossings removed from 100-yr **0**

Other benefits  Reduction in # of road closures over 10 years **0**

## Impacts

Negative impacts? **No** Negative impacts description **n/a**

Water supply contributions? **No** Water supply contribution description **None**

## Estimated Cost

Project Cost **\$4,500,000** % Nature-Based **0** BCR **1**

Recurring costs **\$0** Issues



FMP area



Regional view of FMP area

FINAL JANUARY 10, 2023

## **APPENDIX C - ADDITIONAL DATA**

TASK 5 FMS ONE PAGE SUMMARY SHEETS

# Flood Management Strategy (FMS)



Title **Bailey County NFIP Participation**

ID# **072000001** Sponsor **Bailey (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **120500010504, 120500010505, 120500010506, 120500010507, 120500010610, 120500010611, 120500010701, 120500010702,** Drainage area (mi<sup>2</sup>, est.) **826**  
County **Bailey**

## Existing 100-Year Flood Risk

Population at risk **759** # of structures **475** Critical facilities **1**

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

Farm/Ranch land impacted (acres) **32,567** Roadway(s) impacted (miles) **499**

Number of low water crossings **13** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

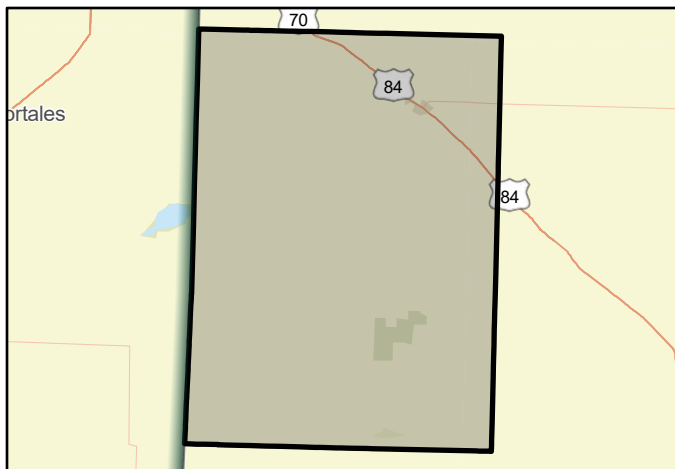
## Impacts

Negative impacts? **No** Negative impacts description **n/a**

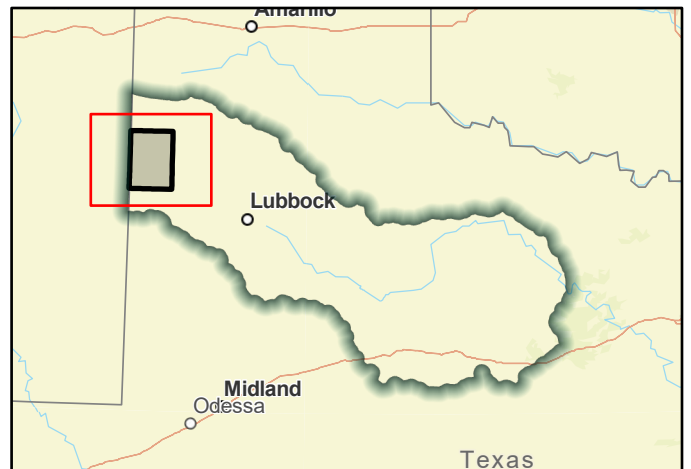
Water supply contributions? **No** Water supply contribution description **None**

## Estimated Cost

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



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Borden County NFIP Participation**

ID# **072000002** Sponsor **Borden (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **120500040306, 120500040308, 120500040406, 120500040501, 120500040503, 120500040504, 120800020108, 120800020109,** Drainage area (mi<sup>2</sup>, est.) **55**  
County **Borden**

## Existing 100-Year Flood Risk

Population at risk **1** # of structures **10** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **1,592** Roadway(s) impacted (miles) **5**

Number of low water crossings **0** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

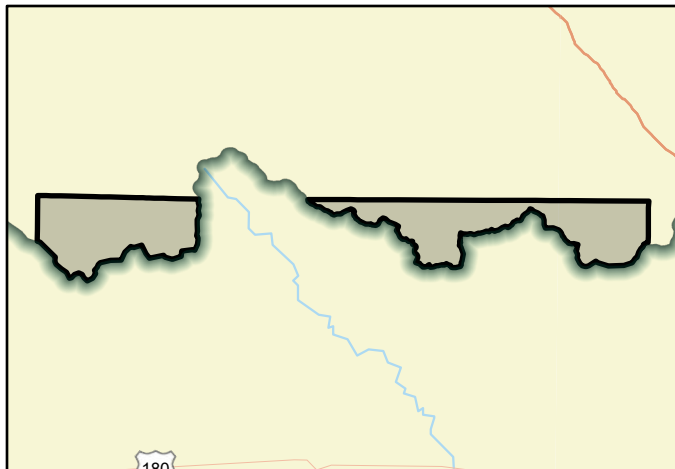
## Impacts

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**





# Flood Management Strategy (FMS)



Title **Buffalo Springs Lake Warning System**

ID# **072000062** Sponsor **Buffalo Springs (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Flood Warning signals - Sponsor Wish List.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **120500030104** Drainage area (mi<sup>2</sup>, est.) **48**

County **Lubbock**

## Existing 100-Year Flood Risk

Population at risk **285** # of structures **228** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **1,195** Roadway(s) impacted (miles) **8**

Number of low water crossings **1** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

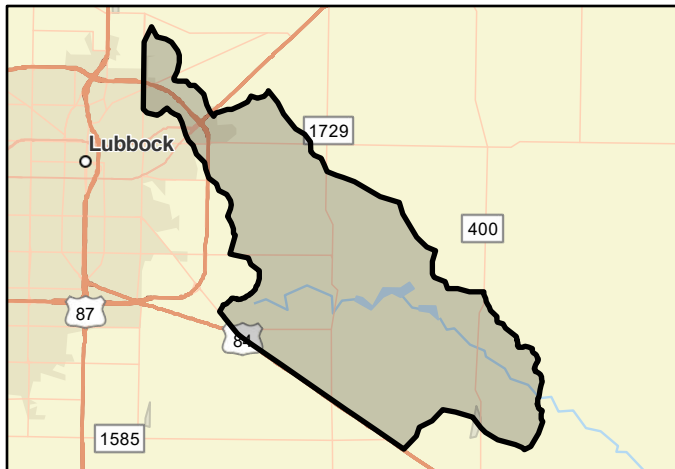
## Impacts

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**



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Callahan County NFIP Coordination Program**

ID# **072000003** Sponsor **Callahan (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type	Regulatory and Guidance				
Strategy description	County NFIP Compliance program to coordinate and assist local jurisdictions with reviewing the NFIP components to ensure continued compliance.				
Associated FME's	None		Associated FMP's	None	
Associated FMS's	None				
Watershed HUC# (if known)	120601020707,	120601020709,	120601020710,	120601020801,	Drainage area (mi <sup>2</sup> , est.) <b>433</b>
	120601020802,	120601020803,	120601050101,	120601050102,	
	County				<b>Callahan</b>

## Existing 100-Year Flood Risk

Population at risk	<b>86</b>	# of structures	<b>81</b>	Critical facilities	<b>0</b>
Flood risk type:	Riverine? <b>Yes</b>	Coastal? <b>No</b>	Local? <b>No</b>	Playa? <b>No</b>	Other? <b>No</b>
Farm/Ranch land impacted (acres)	<b>3,074</b>	Roadway(s) impacted (miles)	<b>56</b>		
Number of low water crossings	<b>12</b>	Historical road closures	<b>0</b>		

## 100-Year Flood Risk Reduction

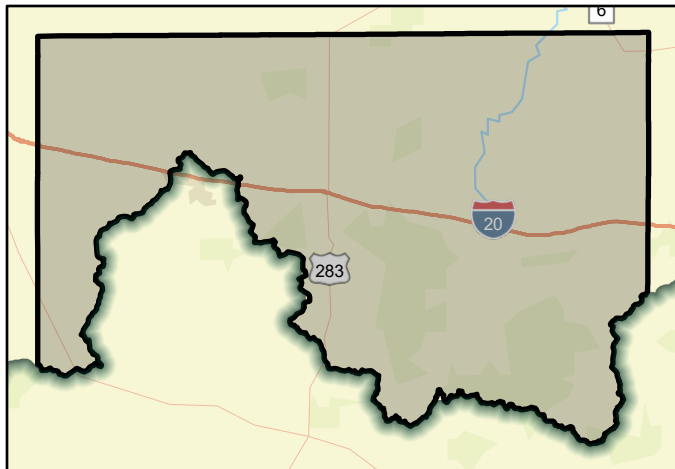
Population removed from 100-yr	<b>0</b>	# of structures removed from 100-yr	<b>0</b>
Critical facilities removed from 100-yr	<b>0</b>	Farm/Ranch land removed from 100-yr (acres)	<b>0</b>
Road removed from 100-yr (miles)	<b>0</b>	Low water crossings removed from 100-yr	<b>0</b>
Other benefits	<b>None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

## Impacts

Negative impacts?	<b>No</b>	Negative impacts description	<b>n/a</b>
Water supply contributions?	<b>No</b>	Water supply contribution description	<b>None</b>

## Estimated Cost

Strategy Cost	<b>\$25,000</b>	Amount of available funding	<b>\$0</b>	% Nature-Based	<b>0</b>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **City of Abilene Creek Gauge Program**

ID# **072000004** Sponsor **Abilene (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Install automated creek rain gauges and automated barriers for flooded road ways.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **120601020704, 120601020705, 120601020706, 120601020707, 120601020708, 120601020709, 120601020710, 120601020711,** Drainage area (mi<sup>2</sup>, est.) **112**

County **Taylor**

## Existing 100-Year Flood Risk

Population at risk **25,333** # of structures **10,861** Critical facilities **10**

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

Farm/Ranch land impacted (acres) **1,235** Roadway(s) impacted (miles) **218**

Number of low water crossings **58** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

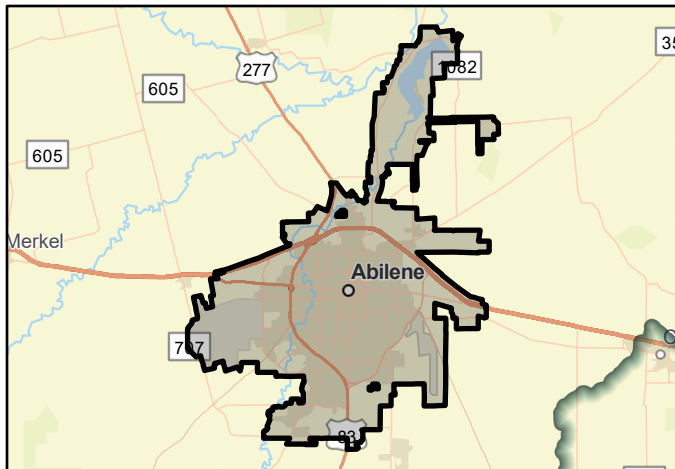
## Impacts

Negative impacts? **No** Negative impacts description **n/a**

Water supply contributions? **No** Water supply contribution description **None**

## Estimated Cost

Strategy Cost **\$175,000** Amount of available funding **\$0** % Nature-Based **0**



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **City of Abilene Turn Around, Don't Drown**

ID# **072000005** Sponsor **Abilene (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Education and Outreach**

Strategy description **Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **120601020704, 120601020705, 120601020706, 120601020707, 120601020708, 120601020709, 120601020710, 120601020711,** Drainage area (mi<sup>2</sup>, est.) **112**

County **Taylor**

## Existing 100-Year Flood Risk

Population at risk **25,333** # of structures **10,861** Critical facilities **10**

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

Farm/Ranch land impacted (acres) **1,235** Roadway(s) impacted (miles) **218**

Number of low water crossings **58** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

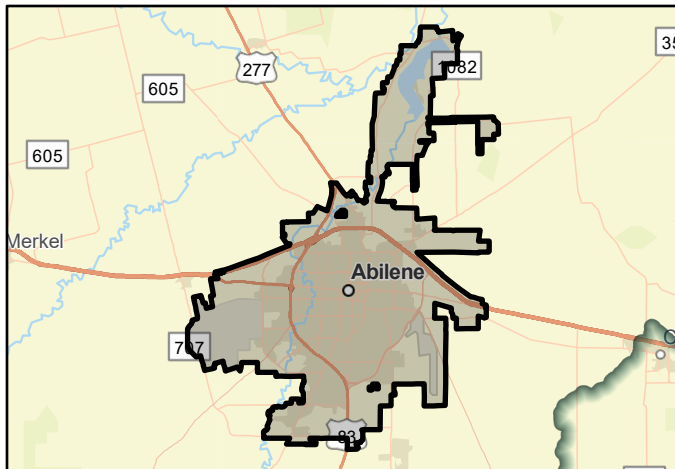
## Impacts

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**



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

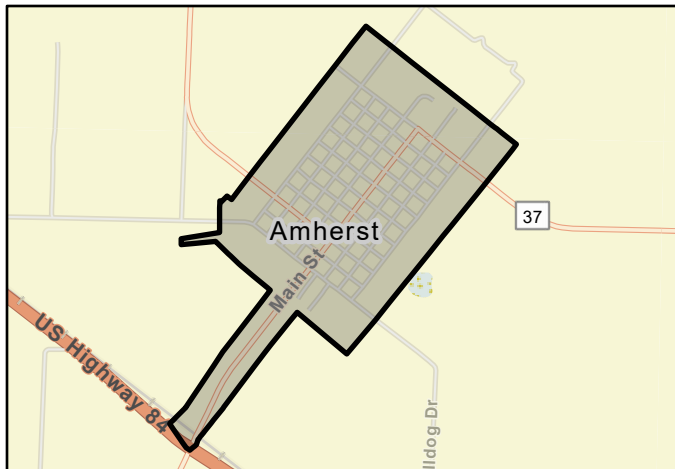
## Impacts

Negative impacts?  No Negative impacts description

Water supply contributions?  No Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type	<input type="text" value="Regulatory and Guidance"/>		
Strategy description	<input type="text" value="Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program."/>		
Associated FME's	<input type="text" value="None"/>	Associated FMP's	<input type="text" value="None"/>
Associated FMS's	<input type="text" value="None"/>	Drainage area (mi <sup>2</sup> , est.)	<input type="text" value="3"/>
Watershed HUC# (if known)	<input type="text" value="120601030301"/>	County	<input type="text" value="Jones"/>

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="349"/>	# of structures	<input type="text" value="53"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="12"/>	Roadway(s) impacted (miles)	<input type="text" value="3"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## 100-Year Flood Risk Reduction

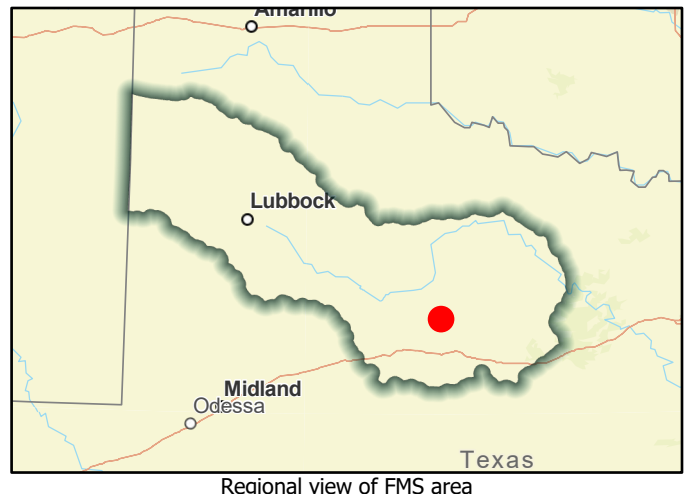
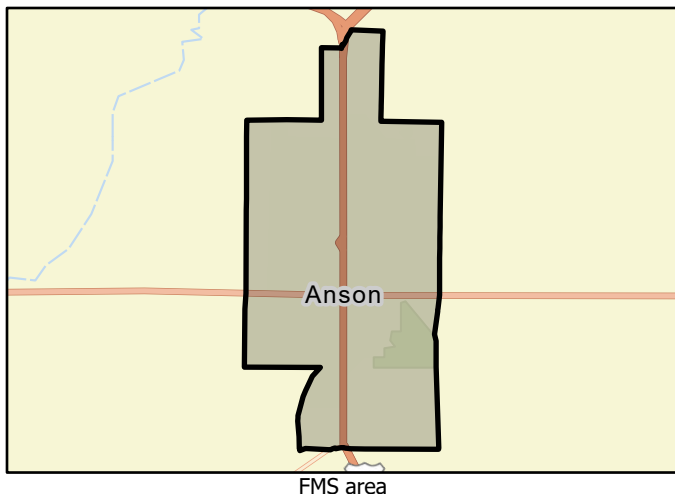
Population removed from 100-yr	<input type="text" value="0"/>	# of structures removed from 100-yr	<input type="text" value="0"/>
Critical facilities removed from 100-yr	<input type="text" value="0"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="0"/>
Road removed from 100-yr (miles)	<input type="text" value="0"/>	Low water crossings removed from 100-yr	<input type="text" value="0"/>
Other benefits	<input type="text" value="None"/>	Reduction in # of road closures over 10 years	<input type="text" value="0"/>

## Impacts

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

## Estimated Cost

Strategy Cost	<input type="text" value="\$25,000"/>	Amount of available funding	<input type="text" value="\$0"/>	% Nature-Based	<input type="text" value="0"/>
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# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type	<input type="text" value="Regulatory and Guidance"/>		
Strategy description	<input type="text" value="Application to join NFIP or adoption of equivalent standards."/>		
Associated FME's	<input type="text" value="None"/>	Associated FMP's	<input type="text" value="None"/>
Associated FMS's	<input type="text" value="None"/>	Drainage area (mi <sup>2</sup> , est.)	<input type="text" value="1"/>
Watershed HUC# (if known)	<input type="text" value="120601010403"/>	County	<input type="text" value="Knox"/>

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="10"/>	# of structures	<input type="text" value="16"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="23"/>		Roadway(s) impacted (miles)	<input type="text" value="1"/>	
Number of low water crossings	<input type="text" value="0"/>		Historical road closures	<input type="text" value="0"/>	

## 100-Year Flood Risk Reduction

Population removed from 100-yr	<input type="text" value="0"/>	# of structures removed from 100-yr	<input type="text" value="0"/>
Critical facilities removed from 100-yr	<input type="text" value="0"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="0"/>
Road removed from 100-yr (miles)	<input type="text" value="0"/>	Low water crossings removed from 100-yr	<input type="text" value="0"/>
Other benefits	<input type="text" value="None"/>	Reduction in # of road closures over 10 years	<input type="text" value="0"/>

## Impacts

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

## Estimated Cost

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



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

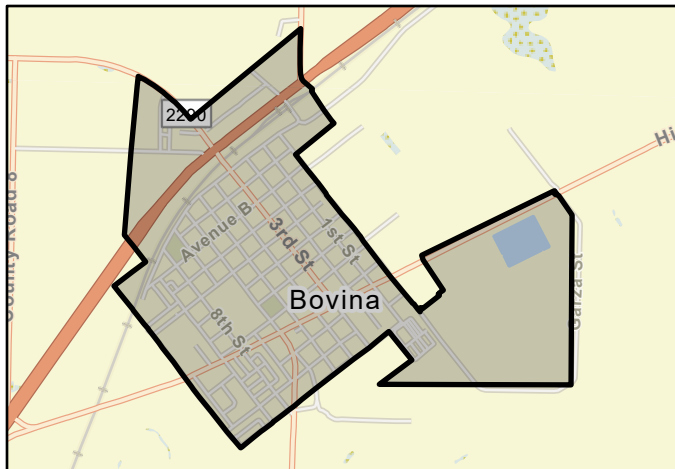
## Impacts

Negative impacts?  No Negative impacts description

Water supply contributions?  No Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's  Drainage area (mi<sup>2</sup>, est.)

Watershed HUC# (if known)  County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

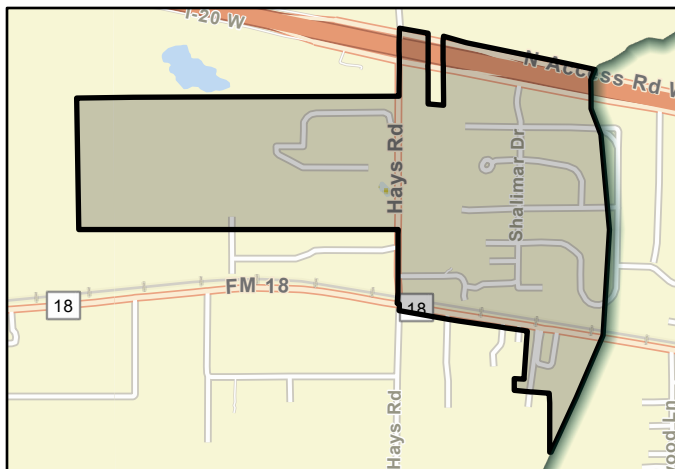
## Impacts

Negative impacts?  No Negative impacts description

Water supply contributions?  No Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

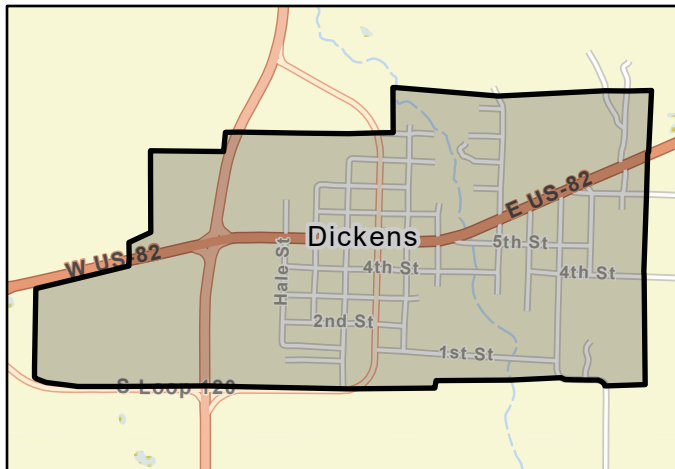
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

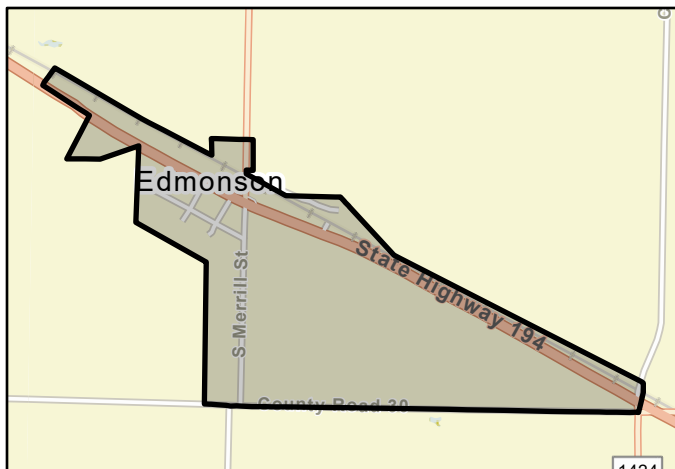
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

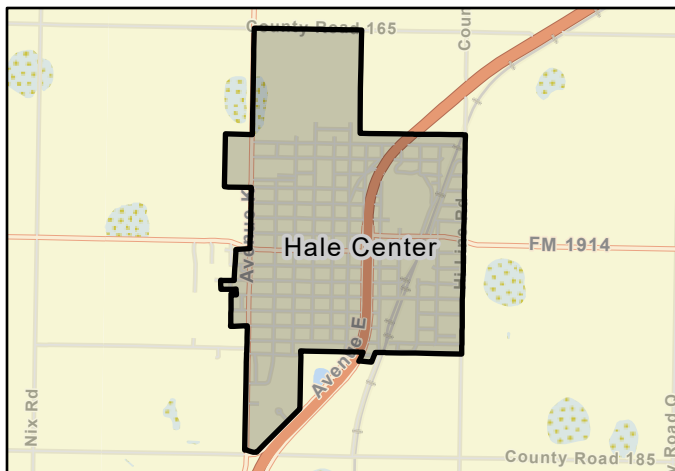
## Impacts

Negative impacts?  No Negative impacts description

Water supply contributions?  No Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

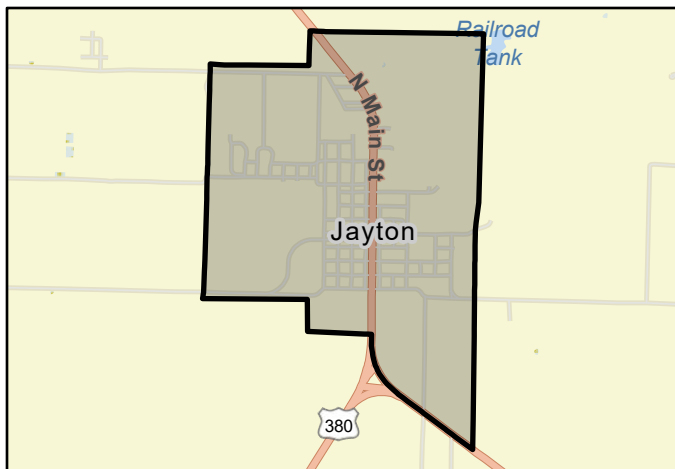
## Impacts

Negative impacts?  No Negative impacts description

Water supply contributions?  No Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **City of Levelland Turn Around, Don't Drown**

ID# **072000016** Sponsor **Levelland (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type	Education and Outreach			
Strategy description	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program			
Associated FME's	None		Associated FMP's	None
Associated FMS's	None		Drainage area (mi <sup>2</sup> , est.)	10
Watershed HUC# (if known)	120500011201, 120500040204	120500040201,	120500040202,	120500040203,
			County	Hockley

## Existing 100-Year Flood Risk

Population at risk	4,738	# of structures	1,277	Critical facilities	5
Flood risk type:	Riverine? <b>No</b>	Coastal? <b>No</b>	Local? <b>No</b>	Playa? <b>Yes</b>	Other? <b>No</b>
Farm/Ranch land impacted (acres)	718	Roadway(s) impacted (miles)	46		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

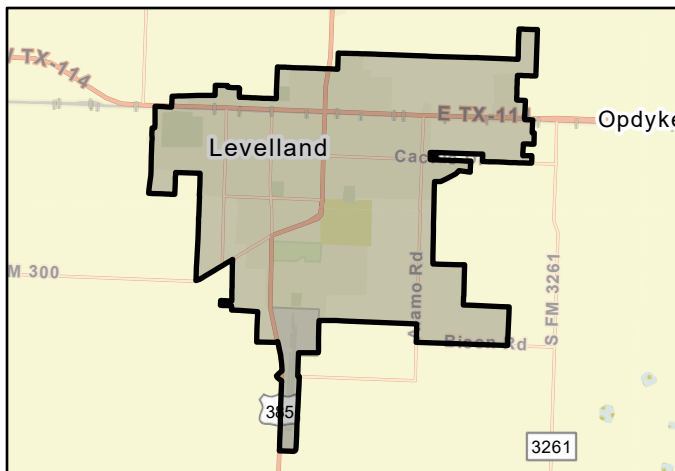
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years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

## Impacts

Negative impacts?	<b>No</b>	Negative impacts description	n/a
Water supply contributions?	<b>No</b>	Water supply contribution description	None

## Estimated Cost

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



Regional view of FMS area



# Flood Management Strategy (FMS)



Title **City of Lubbock Traffic Signal Mitigation**

ID# **072000058** Sponsor **Lubbock (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Infrastructure Projects**

Strategy description **Replace regulatory and warning traffic signs, install breakaway poles within the City limits, and install pavement markings at intersections and school zones to mitigate flood velocity damage during flooding events.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **120500011305, 120500020508, 120500030102, 120500030103, 120500030104, 120500030201, 120500030202, 120500030203,** Drainage area (mi<sup>2</sup>, est.) **124**

County **Lubbock**

## Existing 100-Year Flood Risk

Population at risk **17,975** # of structures **4,916** Critical facilities **9**

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

Farm/Ranch land impacted (acres) **3,514** Roadway(s) impacted (miles) **169**

Number of low water crossings **28** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

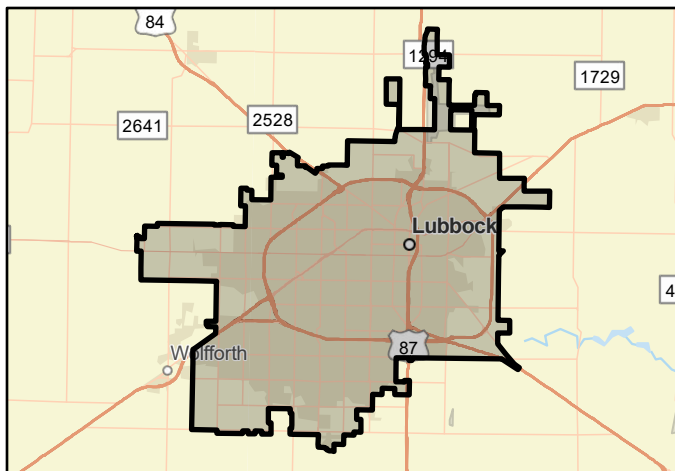
## Impacts

Negative impacts? **No** Negative impacts description **n/a**

Water supply contributions? **No** Water supply contribution description **None**

## Estimated Cost

Strategy Cost **\$300,000** Amount of available funding **\$0** % Nature-Based **0**



# Flood Management Strategy (FMS)



Title **City of Lubbock Turn Around, Don't Drown**

ID# **072000017** Sponsor **Lubbock (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Education and Outreach**

Strategy description **Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **120500011305, 120500020508, 120500030102, 120500030103, 120500030104, 120500030201, 120500030202, 120500030203,** Drainage area (mi<sup>2</sup>, est.) **135**

County **Lubbock**

## Existing 100-Year Flood Risk

Population at risk **17,998** # of structures **4,959** Critical facilities **9**

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

Farm/Ranch land impacted (acres) **4,139** Roadway(s) impacted (miles) **170**

Number of low water crossings **28** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

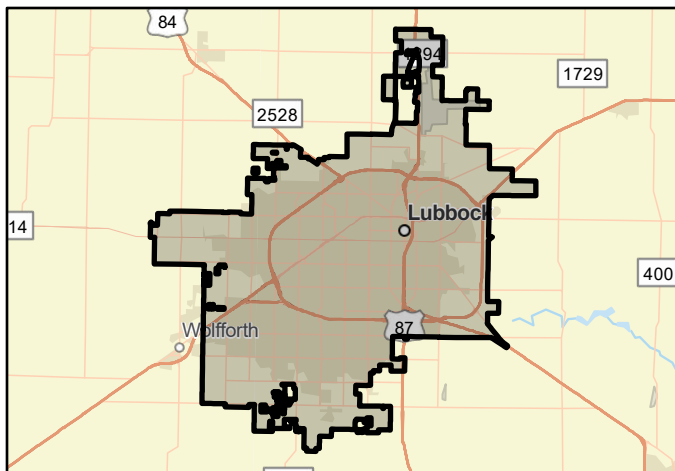
## Impacts

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**



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

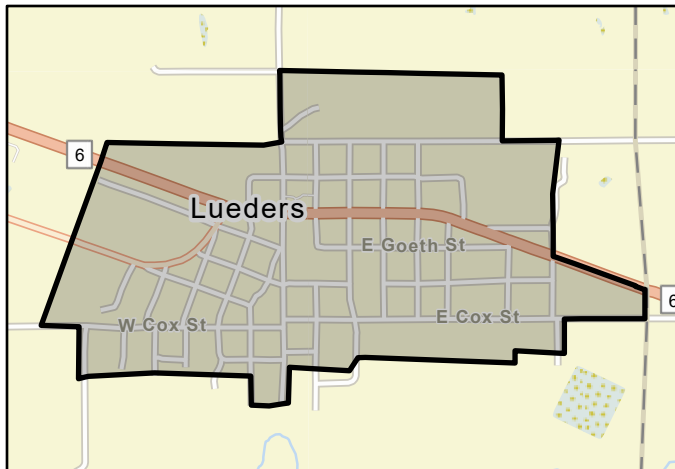
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

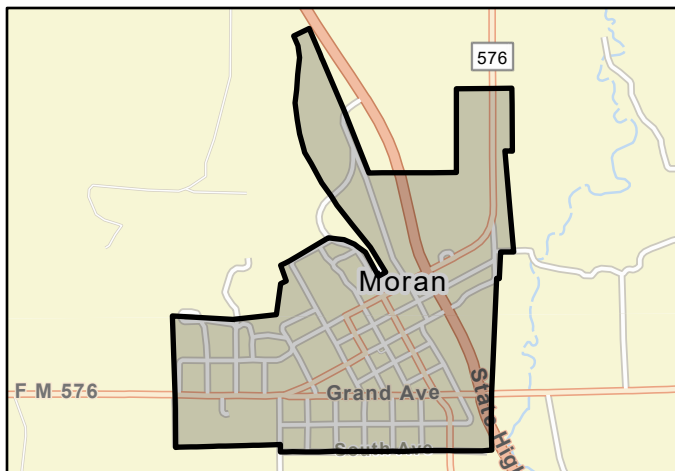
## Impacts

Negative impacts?  No Negative impacts description

Water supply contributions?  No Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

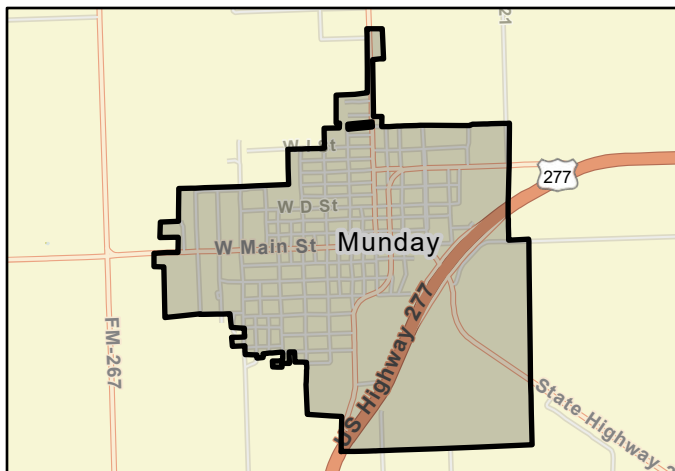
## Impacts

Negative impacts?  No Negative impacts description

Water supply contributions?  No Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

## Impacts

Negative impacts?  No Negative impacts description

Water supply contributions?  No Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

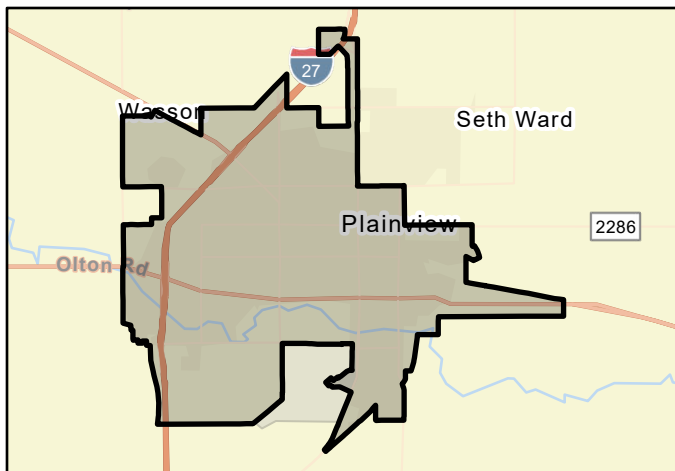
## Impacts

Negative impacts?  No Negative impacts description

Water supply contributions?  No Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

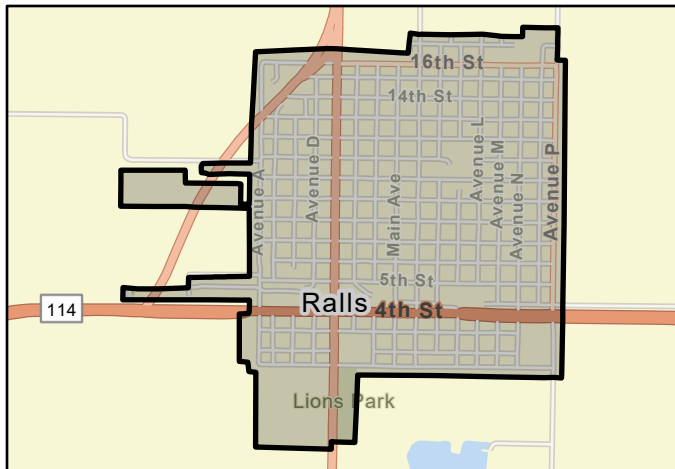
## Impacts

Negative impacts?  No Negative impacts description

Water supply contributions?  No Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

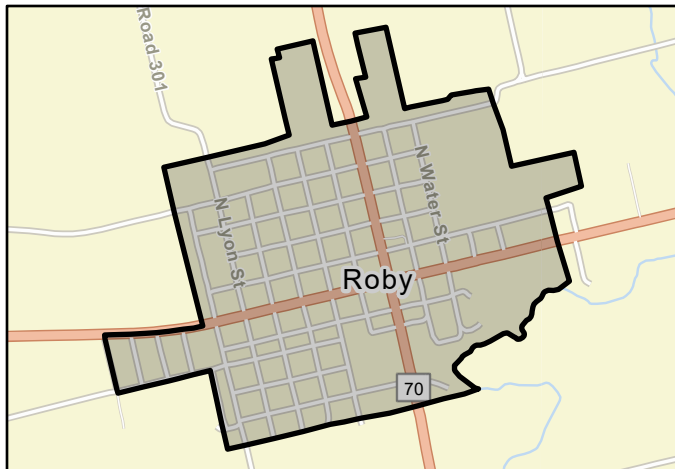
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

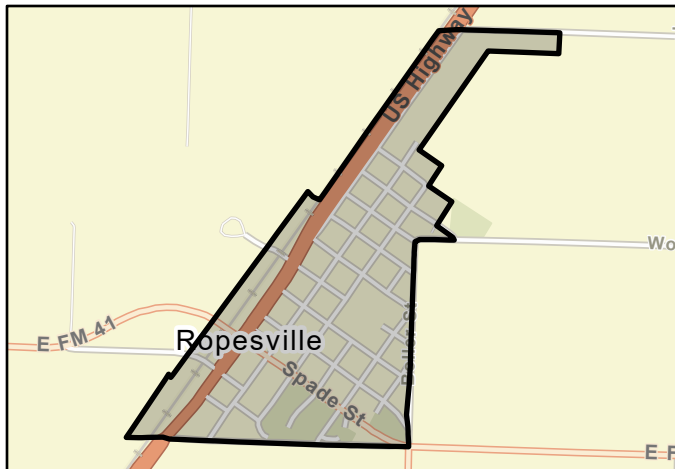
## Impacts

Negative impacts?  No Negative impacts description

Water supply contributions?  No Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type	<input type="text" value="Education and Outreach"/>		
Strategy description	<input type="text" value="Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program"/>		
Associated FME's	<input type="text" value="None"/>	Associated FMP's	<input type="text" value="None"/>
Associated FMS's	<input type="text" value="None"/>	Drainage area (mi <sup>2</sup> , est.)	<input type="text" value="11"/>
Watershed HUC# (if known)	<input type="text" value="120601020302, 120601020303, 120601020304"/>	County	<input type="text" value="Nolan"/>

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="4"/>	# of structures	<input type="text" value="8"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input type="checkbox"/> No	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> No
Farm/Ranch land impacted (acres)	<input type="text" value="0"/>	Roadway(s) impacted (miles)	<input type="text" value="2"/>		
Number of low water crossings	<input type="text" value="4"/>	Historical road closures	<input type="text" value="0"/>		

## 100-Year Flood Risk Reduction

Population removed from 100-yr	<input type="text" value="0"/>	# of structures removed from 100-yr	<input type="text" value="0"/>
Critical facilities removed from 100-yr	<input type="text" value="0"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="0"/>
Road removed from 100-yr (miles)	<input type="text" value="0"/>	Low water crossings removed from 100-yr	<input type="text" value="0"/>
Other benefits	<input type="text" value="None"/>	Reduction in # of road closures over 10 years	<input type="text" value="0"/>

## Impacts

Negative impacts?	<input type="checkbox"/> No	Negative impacts description	<input type="text" value="n/a"/>
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	<input type="text" value="None"/>

## Estimated Cost

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



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

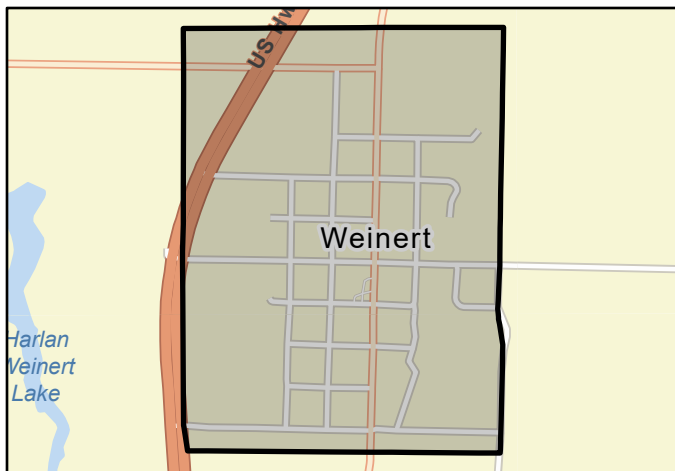
## Impacts

Negative impacts?  No Negative impacts description

Water supply contributions?  No Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title Crosby County NFIP Participation

ID# 072000029 Sponsor Crosby (County)

RFPG recommend? Yes Reason for Recommendation Alignment with Region Goals

## Strategy Details

Strategy type Regulatory and Guidance

Strategy description Application to join NFIP or adoption of equivalent standards.

Associated FME's None Associated FMP's None

Associated FMS's None

Watershed HUC# (if known) 111301040202, 120500030203, 120500030305, 120500030306, 120500030307, 120500030308, 120500030501, 120500060303, Drainage area (mi<sup>2</sup>, est.) 896 County Crosby

## Existing 100-Year Flood Risk

Population at risk 325 # of structures 279 Critical facilities 2

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

Farm/Ranch land impacted (acres) 45,936 Roadway(s) impacted (miles) 350

Number of low water crossings 6 Historical road closures 0

## 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) 0 Low water crossings removed from 100-yr 0

Other benefits None Reduction in # of road closures over 10 years 0

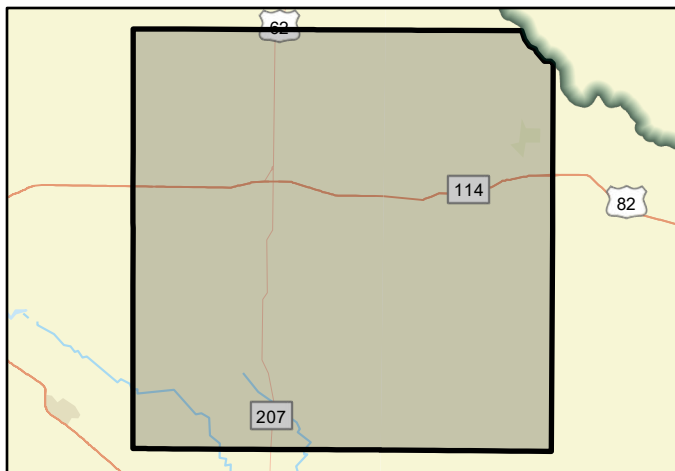
## Impacts

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



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Dawson County NFIP Participation**

ID# **072000030** Sponsor **Dawson (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **120500040305, 120500040306, 120800020102, 120800020105, 120800020106, 120800020107, 120800020108, 120800020109,** Drainage area (mi<sup>2</sup>, est.) **4**  
County **Dawson**

## Existing 100-Year Flood Risk

Population at risk **0** # of structures **0** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **158** Roadway(s) impacted (miles) **3**

Number of low water crossings **0** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

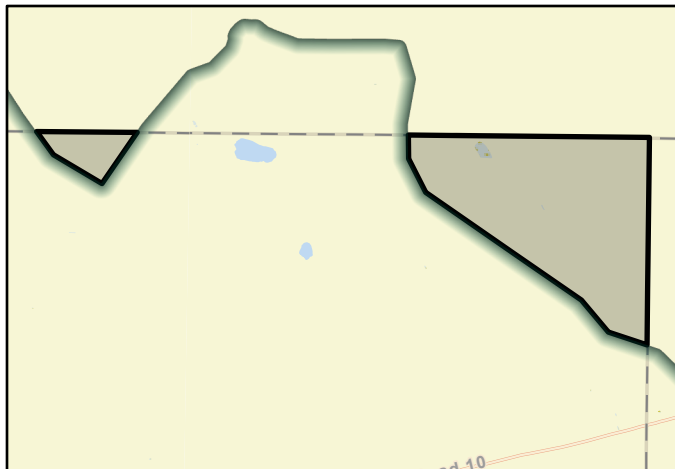
## Impacts

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**



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)



Title **Dredging Canyon Lakes**

ID# **072000063** Sponsor **Lubbock (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type	Infrastructure Projects		
Strategy description	Dredging Canyon Lakes		
Associated FME's	None	Associated FMP's	None
Associated FMS's	None	Drainage area (mi <sup>2</sup> , est.)	6
Watershed HUC# (if known)	120500030102, 120500020508, 120500011305, 120500030103		County
			Lubbock

## Existing 100-Year Flood Risk

Population at risk	70	# of structures	75	Critical facilities	0
Flood risk type:	Riverine? <b>Yes</b>	Coastal? <b>No</b>	Local? <b>Yes</b>	Playa? <b>Yes</b>	Other? <b>No</b>
Farm/Ranch land impacted (acres)	59	Roadway(s) impacted (miles)	9		
Number of low water crossings	16	Historical road closures	0		

## 100-Year Flood Risk Reduction

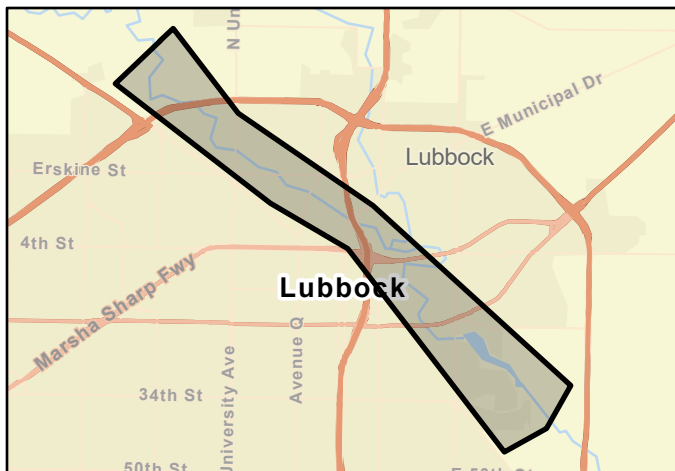
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years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

## Impacts

Negative impacts?	No	Negative impacts description	n/a
Water supply contributions?	No	Water supply contribution description	None

## Estimated Cost

Strategy Cost	\$2,750,000	Amount of available funding	\$0	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Fisher County Flood Protection Dam**

ID# **072000051** Sponsor **Fisher (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type	Infrastructure Projects		
Strategy description	Flood protection dams north of Rotan		
Associated FME's	None	Associated FMP's	None
Associated FMS's	None	Drainage area (mi <sup>2</sup> , est.)	36
Watershed HUC# (if known)	120601020205	County	Fisher

## Existing 100-Year Flood Risk

Population at risk	39	# of structures	40	Critical facilities	0
Flood risk type:	Riverine? <b>Yes</b>	Coastal? <b>No</b>	Local? <b>No</b>	Playa? <b>No</b>	Other? <b>No</b>
Farm/Ranch land impacted (acres)	2,686	Roadway(s) impacted (miles)	13		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

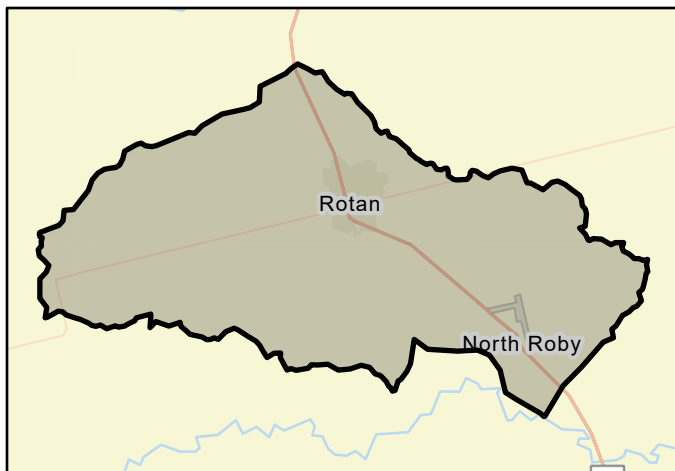
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years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

## Impacts

Negative impacts?	No	Negative impacts description	n/a
Water supply contributions?	No	Water supply contribution description	None

## Estimated Cost

Strategy Cost	\$75,000	Amount of available funding	\$0	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Fisher County NFIP Participation**

ID# **072000031** Sponsor **Fisher (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **120500040607, 120500040704, 120500040801, 120500040802, 120500040803, 120500040805, 120500040806, 120500040807,** Drainage area (mi<sup>2</sup>, est.) **900**  
County **Fisher**

## Existing 100-Year Flood Risk

Population at risk **89** # of structures **120** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **23,747** Roadway(s) impacted (miles) **89**

Number of low water crossings **0** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

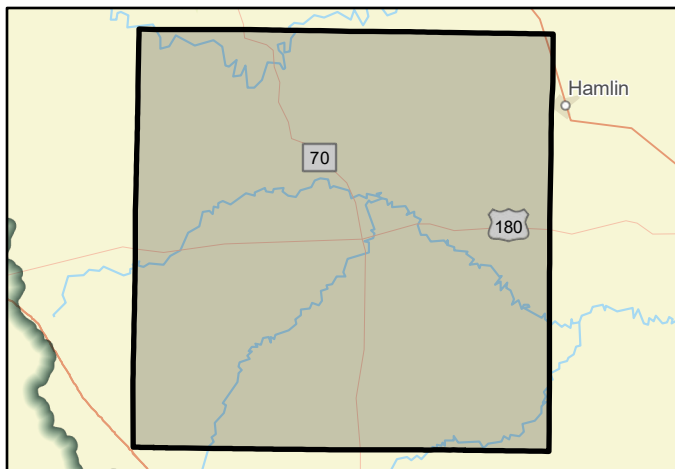
## Impacts

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**



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Floyd County NFIP Participation**

ID# **072000032** Sponsor **Floyd (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **111301030104, 111301030106, 111301030201, 111301030202, 111301030203, 111301030204, 111301030205, 111301030206,** Drainage area (mi<sup>2</sup>, est.) **407**  
County **Floyd**

## Existing 100-Year Flood Risk

Population at risk **99** # of structures **116** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **28,587** Roadway(s) impacted (miles) **255**

Number of low water crossings **4** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

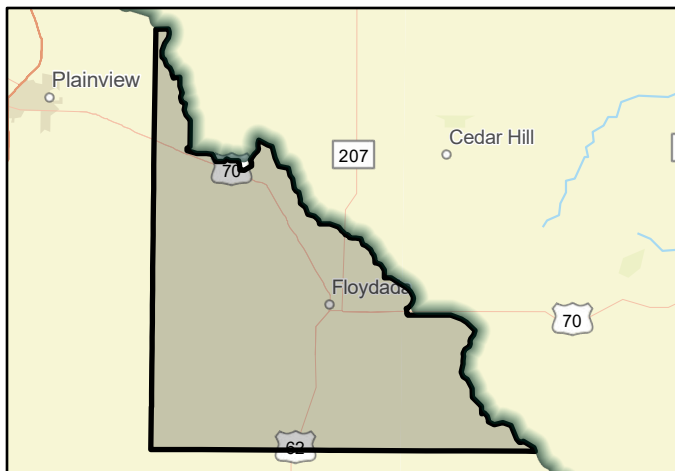
## Impacts

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**



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Garza County NFIP Participation**

ID# **072000033** Sponsor **Garza (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **120500030203, 120500030308, 120500030403, 120500030501, 120500030502, 120500030503, 120500030504, 120500030505,** Drainage area (mi<sup>2</sup>, est.) **885**  
County **Garza**

## Existing 100-Year Flood Risk

Population at risk **315** # of structures **158** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **10,113** Roadway(s) impacted (miles) **98**

Number of low water crossings **11** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **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**



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)



Title **Haskell County NFIP Cross Train Program**

ID# **072000034** Sponsor **Haskell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type	Regulatory and Guidance				
Strategy description	Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program.				
Associated FME's	None		Associated FMP's	None	
Associated FMS's	None				
Watershed HUC# (if known)	120500040903,	120500040904,	120500040906,	120500040907,	Drainage area (mi <sup>2</sup> , est.)
	120601010201,	120601010203,	120601010206,	120601010301,	907
					County
					Haskell

## Existing 100-Year Flood Risk

Population at risk	<b>708</b>	# of structures	<b>788</b>	Critical facilities	<b>1</b>
Flood risk type:	Riverine? <b>Yes</b>	Coastal? <b>No</b>	Local? <b>No</b>	Playa? <b>No</b>	Other? <b>No</b>
Farm/Ranch land impacted (acres)	<b>59,648</b>	Roadway(s) impacted (miles)	<b>226</b>		
Number of low water crossings	<b>15</b>	Historical road closures	<b>0</b>		

## 100-Year Flood Risk Reduction

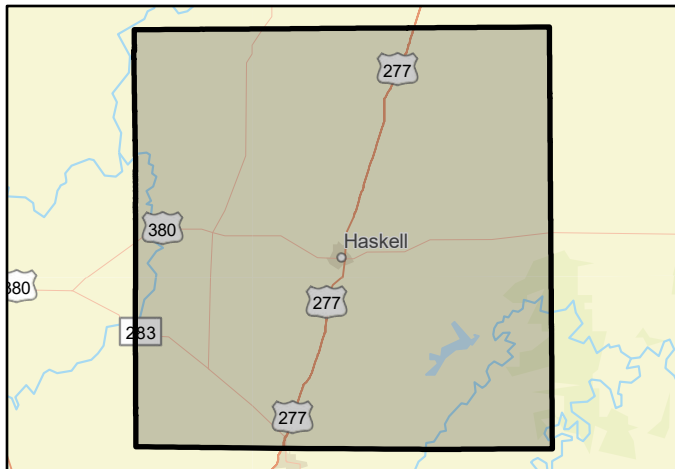
Population removed from 100-yr	<b>0</b>	# of structures removed from 100-yr	<b>0</b>
Critical facilities removed from 100-yr	<b>0</b>	Farm/Ranch land removed from 100-yr (acres)	<b>0</b>
Road removed from 100-yr (miles)	<b>0</b>	Low water crossings removed from 100-yr	<b>0</b>
Other benefits	<b>None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

## Impacts

Negative impacts?	<b>No</b>	Negative impacts description	<b>n/a</b>
Water supply contributions?	<b>No</b>	Water supply contribution description	<b>None</b>

## Estimated Cost

Strategy Cost	<b>\$25,000</b>	Amount of available funding	<b>\$0</b>	% Nature-Based	<b>0</b>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type	<input type="text" value="Infrastructure Projects"/>		
Strategy description	<input type="text" value="Enhance lake capacity and harden dam structure. Placeholder for anticipated construction cost. Detailed costs following FME."/>		
Associated FME's	<input type="text" value="None"/>	Associated FMP's	<input type="text" value="None"/>
Associated FMS's	<input type="text" value="None"/>	Drainage area (mi <sup>2</sup> , est.)	<input type="text" value="25"/>
Watershed HUC# (if known)	<input type="text" value="120500040507"/>	County	<input type="text" value="Garza"/>

## Existing 100-Year Flood Risk

Population at risk	<input type="text" value="0"/>	# of structures	<input type="text" value="2"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input type="checkbox"/> No	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> No
Farm/Ranch land impacted (acres)	<input type="text" value="140"/>	Roadway(s) impacted (miles)	<input type="text" value="0"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

## 100-Year Flood Risk Reduction

Population removed from 100-yr	<input type="text" value="0"/>	# of structures removed from 100-yr	<input type="text" value="0"/>
Critical facilities removed from 100-yr	<input type="text" value="0"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="0"/>
Road removed from 100-yr (miles)	<input type="text" value="0"/>	Low water crossings removed from 100-yr	<input type="text" value="0"/>
Other benefits	<input type="text" value="None"/>	Reduction in # of road closures over 10 years	<input type="text" value="0"/>

## Impacts

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

## Estimated Cost

Strategy Cost	<input type="text" value="\$4,950,000"/>	Amount of available funding	<input type="text" value="\$0"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Jones County Tax Incentive Program**

ID# **072000035** Sponsor **Jones (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type	<b>Other</b>				
Strategy description	<b>Consider program of tax incentives for development of low-hazard land parcels.</b>				
Associated FME's	<b>None</b>		Associated FMP's	<b>None</b>	
Associated FMS's	<b>None</b>		Drainage area (mi <sup>2</sup> , est.)	<b>933</b>	
Watershed HUC# (if known)	<b>120500040901,</b>	<b>120601020310,</b>	<b>120601020404,</b>	<b>120601020504,</b>	County <b>Jones</b>
	<b>120601020505,</b>	<b>120601020601,</b>	<b>120601020602,</b>	<b>120601020603,</b>	

## Existing 100-Year Flood Risk

Population at risk	<b>1,118</b>	# of structures	<b>1,145</b>	Critical facilities	<b>2</b>
Flood risk type:	Riverine? <b>Yes</b>	Coastal? <b>No</b>	Local? <b>No</b>	Playa? <b>No</b>	Other? <b>No</b>
Farm/Ranch land impacted (acres)	<b>47,149</b>		Roadway(s) impacted (miles)	<b>189</b>	
Number of low water crossings	<b>8</b>		Historical road closures	<b>0</b>	

## 100-Year Flood Risk Reduction

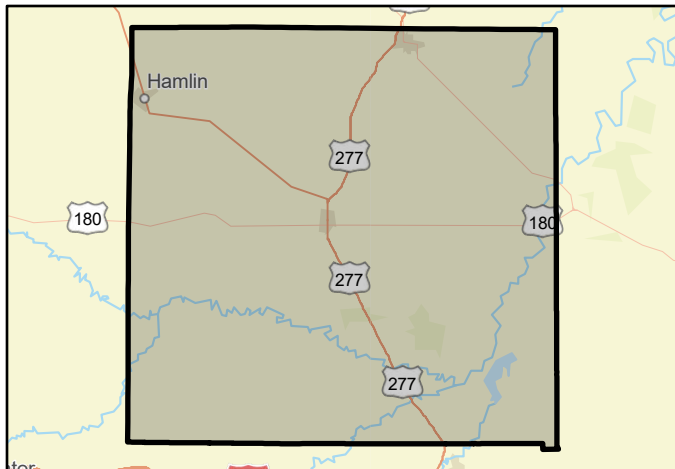
Population removed from 100-yr	<b>0</b>	# of structures removed from 100-yr	<b>0</b>
Critical facilities removed from 100-yr	<b>0</b>	Farm/Ranch land removed from 100-yr (acres)	<b>0</b>
Road removed from 100-yr (miles)	<b>0</b>	Low water crossings removed from 100-yr	<b>0</b>
Other benefits	<b>None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

## Impacts

Negative impacts?	<b>No</b>	Negative impacts description	<b>n/a</b>
Water supply contributions?	<b>No</b>	Water supply contribution description	<b>None</b>

## Estimated Cost

Strategy Cost	<b>\$25,000</b>	Amount of available funding	<b>\$0</b>	% Nature-Based	<b>0</b>
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Kent County NFIP Cross Train Program**

ID# **072000036** Sponsor **Kent (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type	Regulatory and Guidance				
Strategy description	Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program.				
Associated FME's	None		Associated FMP's	None	
Associated FMS's	None		Drainage area (mi <sup>2</sup> , est.)	888	
Watershed HUC# (if known)	120500030506,	120500040505,	120500040506,	120500040507,	County
	120500040601,	120500040602,	120500040603,	120500040604,	
					Kent

## Existing 100-Year Flood Risk

Population at risk	3	# of structures	38	Critical facilities	1
Flood risk type:	Riverine? <b>Yes</b>	Coastal? <b>No</b>	Local? <b>No</b>	Playa? <b>No</b>	Other? <b>No</b>
Farm/Ranch land impacted (acres)	3,244	Roadway(s) impacted (miles)	41		
Number of low water crossings	4	Historical road closures	0		

## 100-Year Flood Risk Reduction

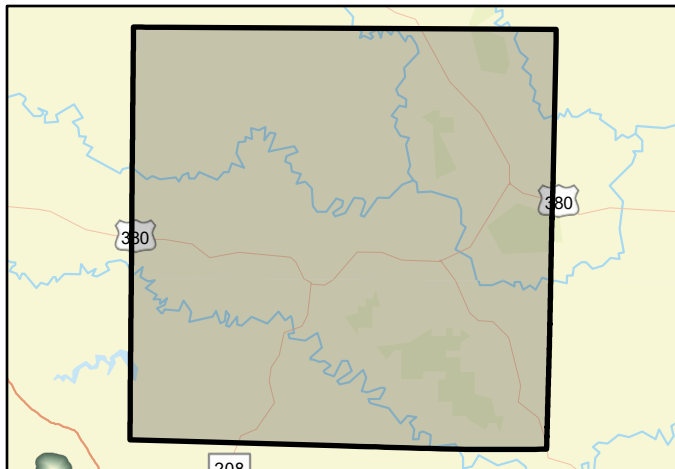
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years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

## Impacts

Negative impacts?	No	Negative impacts description	n/a
Water supply contributions?	No	Water supply contribution description	None

## Estimated Cost

Strategy Cost	\$25,000	Amount of available funding	\$0	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **King County NFIP Participation**

ID# **072000037** Sponsor **King (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **111302040102, 111302040103, 111302040104, 111302040108, 111302040204, 111302040205, 111302040206, 111302050102,** Drainage area (mi<sup>2</sup>, est.) **336**  
County **King**

## Existing 100-Year Flood Risk

Population at risk **1** # of structures **3** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **409** Roadway(s) impacted (miles) **7**

Number of low water crossings **1** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

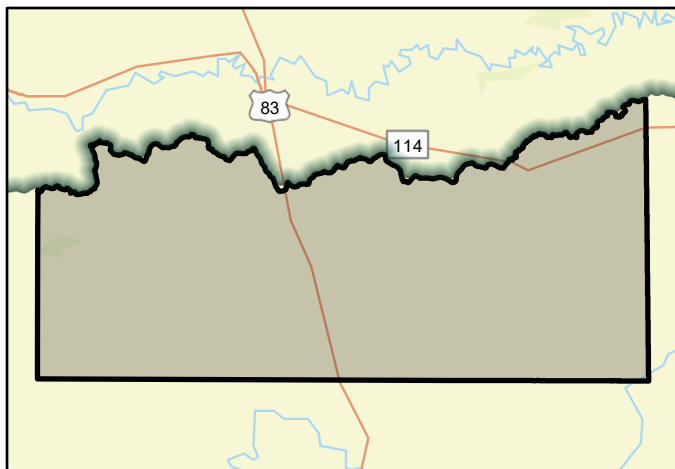
## Impacts

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**



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)



Title **Knox County NFIP Participation**

ID# **072000038** Sponsor **Knox (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **111302040206, 111302040301, 111302040302, 111302040303, 111302040304, 111302040305, 111302040306, 111302050204,** Drainage area (mi<sup>2</sup>, est.) **432**  
County **Knox**

## Existing 100-Year Flood Risk

Population at risk **1,310** # of structures **968** Critical facilities **4**

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

Farm/Ranch land impacted (acres) **33,293** Roadway(s) impacted (miles) **130**

Number of low water crossings **2** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

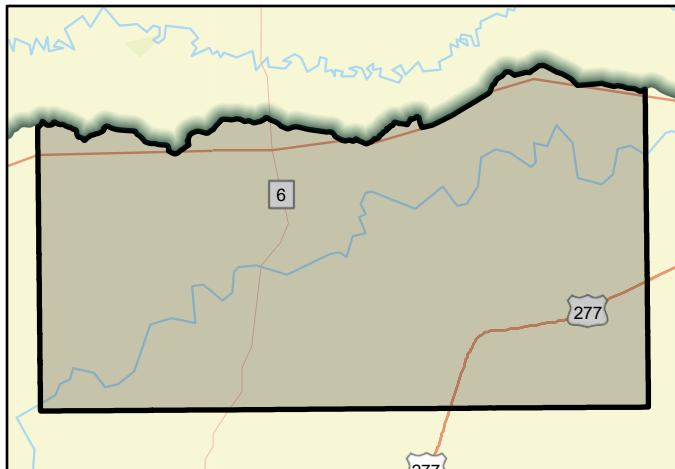
## Impacts

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**



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Lake Benjamin Improvements**

ID# **072000054** Sponsor **Knox (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Infrastructure Projects**

Strategy description **Reinforcement of slopes and dam spillway**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **120601010403** Drainage area (mi<sup>2</sup>, est.) **47**

County **Knox**

## Existing 100-Year Flood Risk

Population at risk **10** # of structures **16** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **1,282** Roadway(s) impacted (miles) **10**

Number of low water crossings **0** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

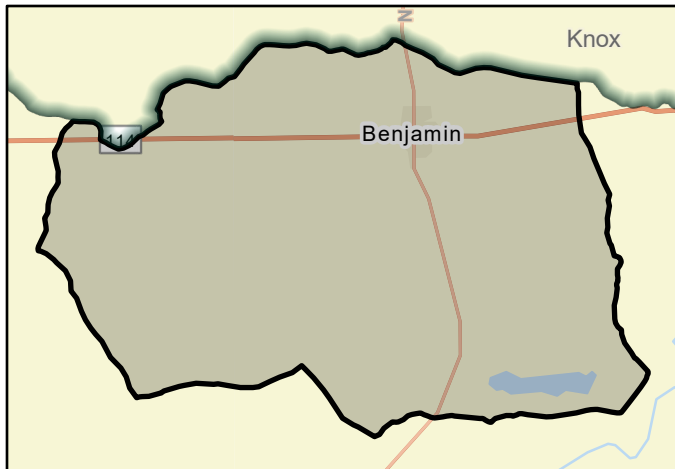
## Impacts

Negative impacts? **No** Negative impacts description **n/a**

Water supply contributions? **No** Water supply contribution description **None**

## Estimated Cost

Strategy Cost **\$500,000** Amount of available funding **\$0** % Nature-Based **0**



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Lake Stamford Improvements**

ID# **072000055** Sponsor **Haskell (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Infrastructure Projects**

Strategy description **Expand spillway**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **120601030208** Drainage area (mi<sup>2</sup>, est.) **46**

County **Haskell**

## Existing 100-Year Flood Risk

Population at risk **146** # of structures **181** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **1,009** Roadway(s) impacted (miles) **5**

Number of low water crossings **0** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

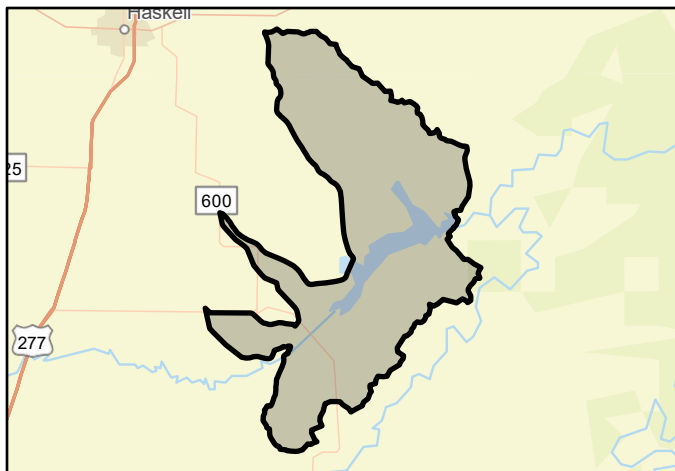
## Impacts

Negative impacts? **No** Negative impacts description **n/a**

Water supply contributions? **No** Water supply contribution description **None**

## Estimated Cost

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



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's  Associated FMP's

Associated FMS's

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

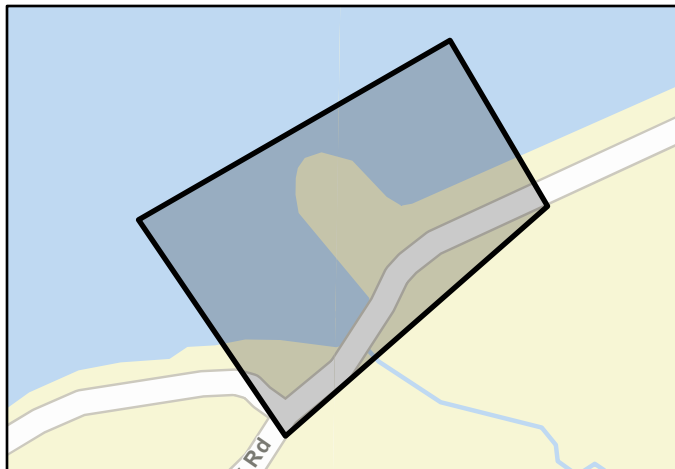
## Impacts

Negative impacts?  Negative impacts description

Water supply contributions?  Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **McMillian Dam High Risk Repairs**

ID# **072000059** Sponsor **Lubbock (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Infrastructure Projects**

Strategy description **Make repairs to McMillian Dam as identified as high risk by TCEQ to prevent failure.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **120500030104** Drainage area (mi<sup>2</sup>, est.) **0**

County **Lubbock**

## Existing 100-Year Flood Risk

Population at risk **5** # of structures **3** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **0**

Number of low water crossings **0** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

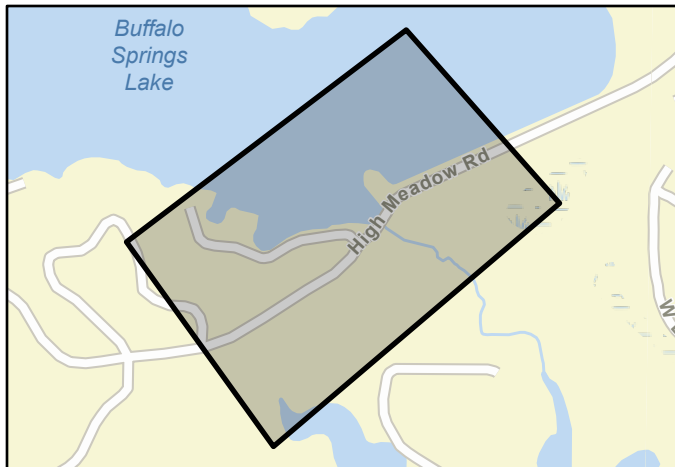
## Impacts

Negative impacts? **No** Negative impacts description **n/a**

Water supply contributions? **No** Water supply contribution description **None**

## Estimated Cost

Strategy Cost **\$58,000** Amount of available funding **\$0** % Nature-Based **0**



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)



Title **Nolan County Warning System**

ID# **072000061** Sponsor **Nolan (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type	Flood Measurement and Warning				
Strategy description	Install county-wide outdoor warning sirens for any emergency of natural and/or man-made hazardous events. The warning sirens would be strategically placed in the following locations within the County: Cities of Sweetwater, Roscoe, Blackwell, Nolan, Mary				
Associated FME's	None		Associated FMP's	None	
Associated FMS's	None				
Watershed HUC# (if known)	120601020101,	120601020102,	120601020103,	120601020104,	Drainage area (mi <sup>2</sup> , est.)
	120601020201,	120601020301,	120601020302,	120601020303,	461
					County
					Nolan

## Existing 100-Year Flood Risk

Population at risk	412	# of structures	264	Critical facilities	1
Flood risk type:	Riverine? <b>Yes</b>	Coastal? <b>No</b>	Local? <b>No</b>	Playa? <b>No</b>	Other? <b>No</b>
Farm/Ranch land impacted (acres)	9,929	Roadway(s) impacted (miles)	41		
Number of low water crossings	21	Historical road closures	0		

## 100-Year Flood Risk Reduction

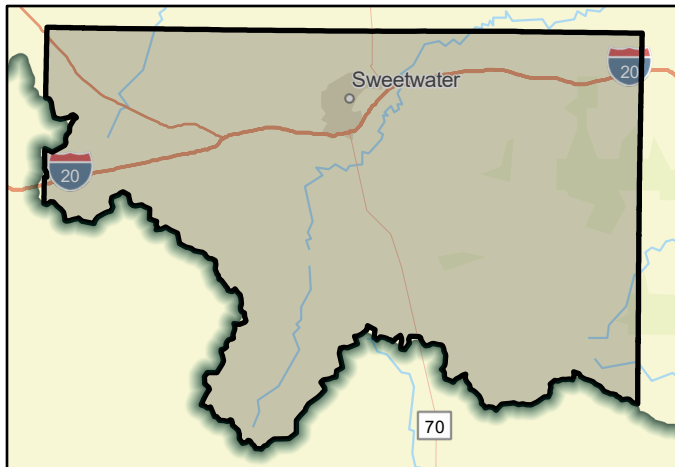
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years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

## Impacts

Negative impacts?	No	Negative impacts description	n/a
Water supply contributions?	No	Water supply contribution description	None

## Estimated Cost

Strategy Cost	\$375,000	Amount of available funding	\$0	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Ransom Canyon Evacuation Route**

ID# **072000057** Sponsor **Ransom Canyon (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type	Infrastructure Projects		
Strategy description	As part of the Village's Emergency Operations Plan, construct an alternate evacuation route for residents affected by McMillan Dam failure		
Associated FME's	None	Associated FMP's	None
Associated FMS's	None	Drainage area (mi <sup>2</sup> , est.)	1
Watershed HUC# (if known)	120500030104	County	Lubbock

## Existing 100-Year Flood Risk

Population at risk	131	# of structures	53	Critical facilities	0
Flood risk type:	Riverine? <b>Yes</b>	Coastal? <b>No</b>	Local? <b>No</b>	Playa? <b>Yes</b>	Other? <b>No</b>
Farm/Ranch land impacted (acres)	5	Roadway(s) impacted (miles)	1		
Number of low water crossings	1	Historical road closures	0		

## 100-Year Flood Risk Reduction

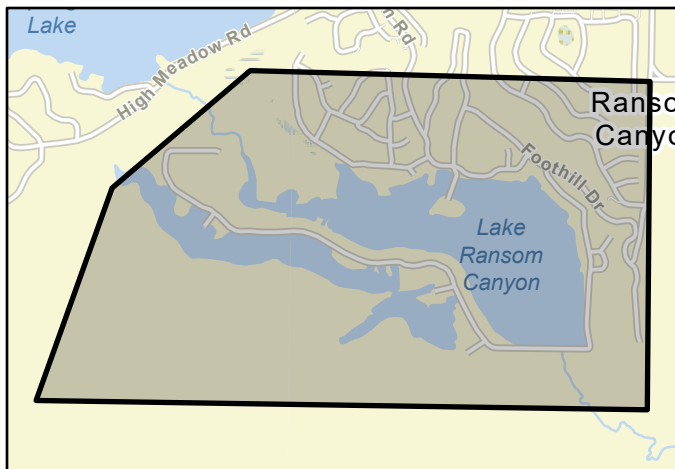
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years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

## Impacts

Negative impacts?	No	Negative impacts description	n/a
Water supply contributions?	No	Water supply contribution description	None

## Estimated Cost

Strategy Cost	\$500,000	Amount of available funding	\$0	% Nature-Based	0
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FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Scurry County NFIP Participation**

ID# **072000039** Sponsor **Scurry (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **120500040504, 120500040505, 120500040506, 120500040602, 120500040605, 120500040606, 120500040607, 120500040701,** Drainage area (mi<sup>2</sup>, est.) **393**  
County **Scurry**

## Existing 100-Year Flood Risk

Population at risk **23** # of structures **13** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **6,805** Roadway(s) impacted (miles) **18**

Number of low water crossings **6** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

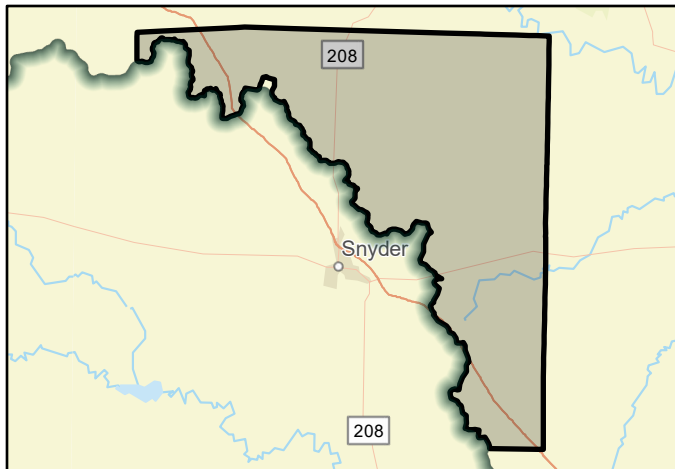
## Impacts

Negative impacts? **No** Negative impacts description **n/a**

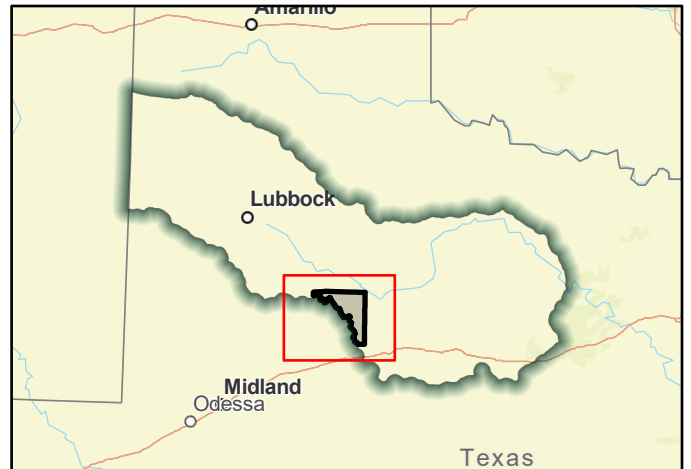
Water supply contributions? **No** Water supply contribution description **None**

## Estimated Cost

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



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **South Lake Improvements Dam Hardening**

ID# **072000052** Sponsor **Jones (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type	Infrastructure Projects		
Strategy description	Dam hardening		
Associated FME's	None	Associated FMP's	None
Associated FMS's	None	Drainage area (mi <sup>2</sup> , est.)	41
Watershed HUC# (if known)	120601030102	County	Jones

## Existing 100-Year Flood Risk

Population at risk	4	# of structures	11	Critical facilities	0
Flood risk type:	Riverine? <b>Yes</b>	Coastal? <b>No</b>	Local? <b>No</b>	Playa? <b>No</b>	Other? <b>No</b>
Farm/Ranch land impacted (acres)	1,525	Roadway(s) impacted (miles)	8		
Number of low water crossings	0	Historical road closures	0		

## 100-Year Flood Risk Reduction

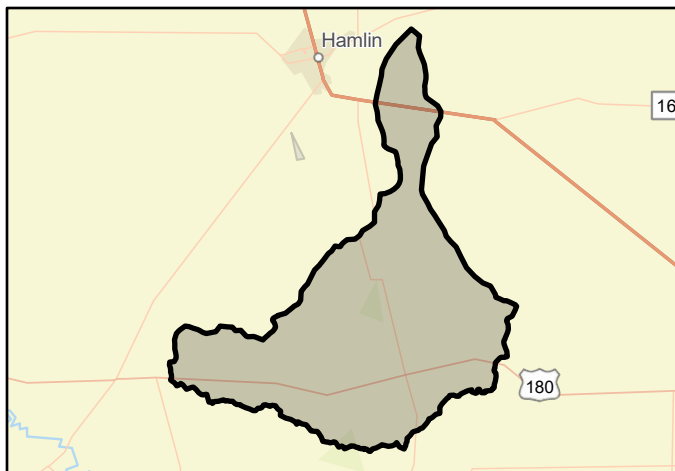
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years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



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Reason for Recommendation

## Strategy Details

Strategy type	<input type="text" value="Infrastructure Projects"/>		
Strategy description	<input type="text" value="Water diversion"/>		
Associated FME's	<input type="text" value="None"/>	Associated FMP's	<input type="text" value="None"/>
Associated FMS's	<input type="text" value="None"/>	Drainage area (mi <sup>2</sup> , est.)	<input type="text" value="0"/>
Watershed HUC# (if known)	<input type="text" value="120601030102"/>	County	<input type="text" value="Jones"/>

## Existing 100-Year Flood Risk

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

## 100-Year Flood Risk Reduction

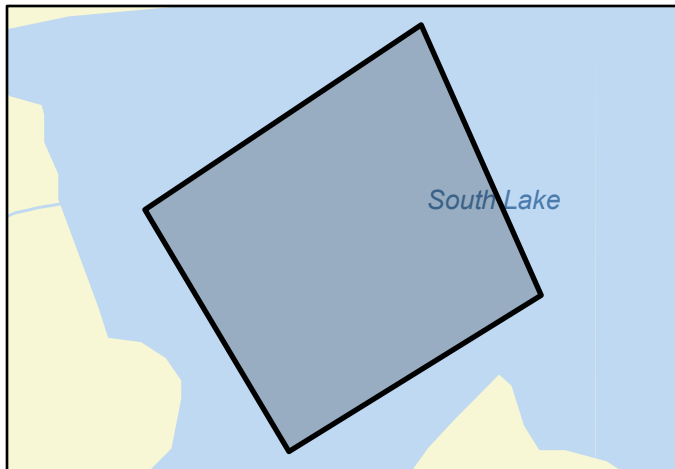
Population removed from 100-yr	<input type="text" value="0"/>	# of structures removed from 100-yr	<input type="text" value="0"/>
Critical facilities removed from 100-yr	<input type="text" value="0"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="0"/>
Road removed from 100-yr (miles)	<input type="text" value="0"/>	Low water crossings removed from 100-yr	<input type="text" value="0"/>
Other benefits	<input type="text" value="None"/>	Reduction in # of road closures over 10 years	<input type="text" value="0"/>

## Impacts

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

## Estimated Cost

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



Title **Taylor County Gauge/Flood Barrier Program**

ID# **072000060** Sponsor **Taylor (County)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Install automated creek rain gauges and automated barriers for flooded roadways.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known)	120601020501,	120601020502,	120601020503,	120601020504,	Drainage area (mi <sup>2</sup> , est.)	<b>612</b>
	120601020505,	120601020601,	120601020604,	120601020605,		
					County	<b>Taylor</b>

## Existing 100-Year Flood Risk

Population at risk **25,896** # of structures **11,167** Critical facilities **11**

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

Farm/Ranch land impacted (acres) **7,516** Roadway(s) impacted (miles) **245**

Number of low water crossings **72** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

## Impacts

Negative impacts? **No** Negative impacts description **n/a**

Water supply contributions? **No** Water supply contribution description **None**

## Estimated Cost

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



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title

ID#  Sponsor

RFPG recommend?  Yes Reason for Recommendation

## Strategy Details

Strategy type

Strategy description

Associated FME's

Associated FMP's

Associated FMS's

Watershed HUC# (if known)

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

County

## Existing 100-Year Flood Risk

Population at risk  # of structures  Critical facilities

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

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

Number of low water crossings  Historical road closures

## 100-Year Flood Risk Reduction

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

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

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

Other benefits  Reduction in # of road closures over 10 years

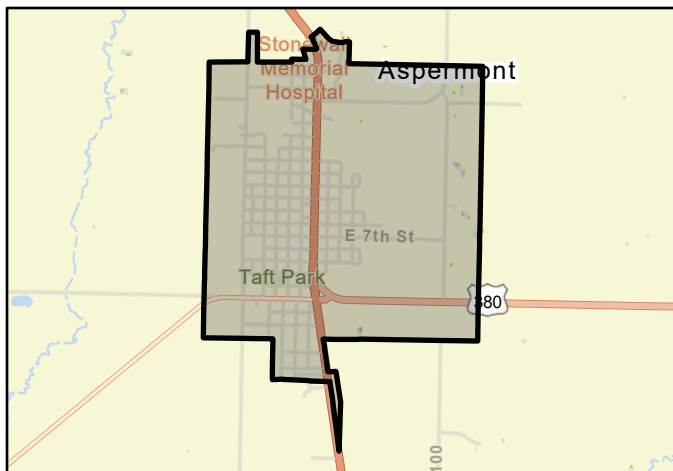
## Impacts

Negative impacts?  No Negative impacts description

Water supply contributions?  No Water supply contribution description

## Estimated Cost

Strategy Cost  Amount of available funding  % Nature-Based



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Town of Impact NFIP Participation**

ID# **072000041** Sponsor **Impact (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None** Drainage area (mi<sup>2</sup>, est.) **0**

Watershed HUC# (if known) **120601020711** County **Taylor**

## Existing 100-Year Flood Risk

Population at risk **24** # of structures **18** 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) **1**

Number of low water crossings **0** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

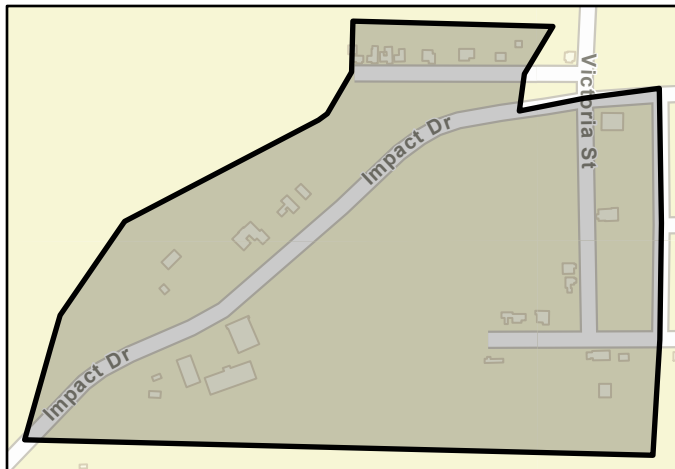
## Impacts

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**



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Town of Lockney NFIP Participation**

ID# **072000042** Sponsor **Lockney (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None** Drainage area (mi<sup>2</sup>, est.) **1**

Watershed HUC# (if known) **111301030203, 120500060306** County **Floyd**

## Existing 100-Year Flood Risk

Population at risk **7** # of structures **7** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **3**

Number of low water crossings **0** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

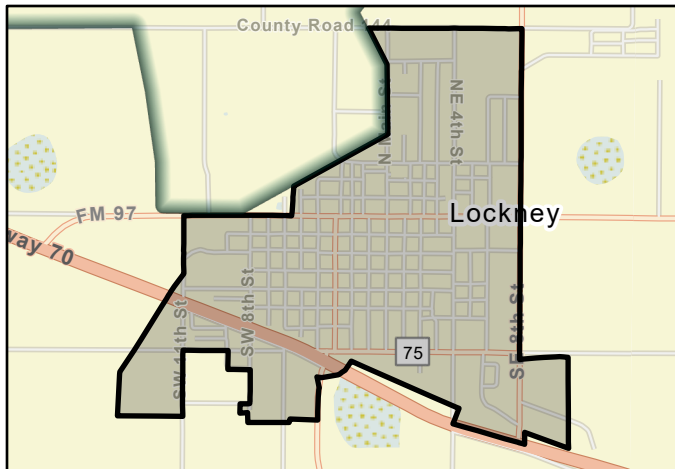
## Impacts

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**



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Town of Rochester NFIP Participation**

ID# **072000043** Sponsor **Rochester (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None** Drainage area (mi<sup>2</sup>, est.) **0**

Watershed HUC# (if known) **120601010401** County **Haskell**

## Existing 100-Year Flood Risk

Population at risk **26** # of structures **27** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **5** Roadway(s) impacted (miles) **1**

Number of low water crossings **0** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

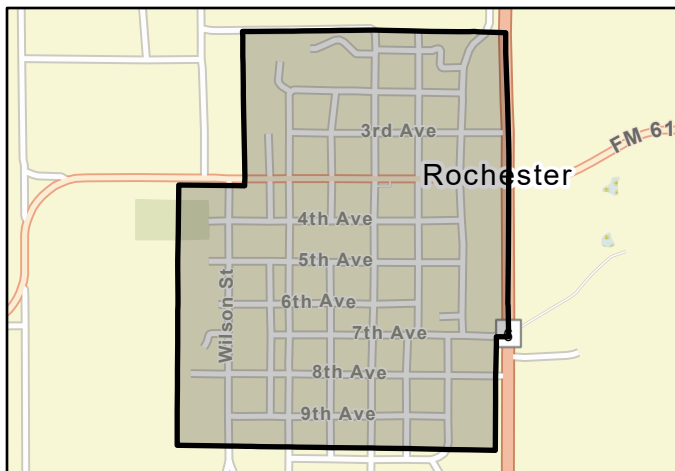
## Impacts

Negative impacts? **No** Negative impacts description **n/a**

Water supply contributions? **No** Water supply contribution description **None**

## Estimated Cost

Strategy Cost **\$75,000** Amount of available funding **\$0** % Nature-Based **0**



FMS area



Regional view of FMS area



# Flood Management Strategy (FMS)



Title **Town of Smyer NFIP Participation**

ID# **072000044** Sponsor **Smyer (Municipality)**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards.**

Associated FME's **None** Associated FMP's **None**

Associated FMS's **None**

Watershed HUC# (if known) **120500030101, 120500030103** Drainage area (mi<sup>2</sup>, est.) **1**

County **Hockley**

## Existing 100-Year Flood Risk

Population at risk **11** # of structures **6** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **9** Roadway(s) impacted (miles) **1**

Number of low water crossings **0** Historical road closures **0**

## 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) **0** Low water crossings removed from 100-yr **0**

Other benefits **None** Reduction in # of road closures over 10 years **0**

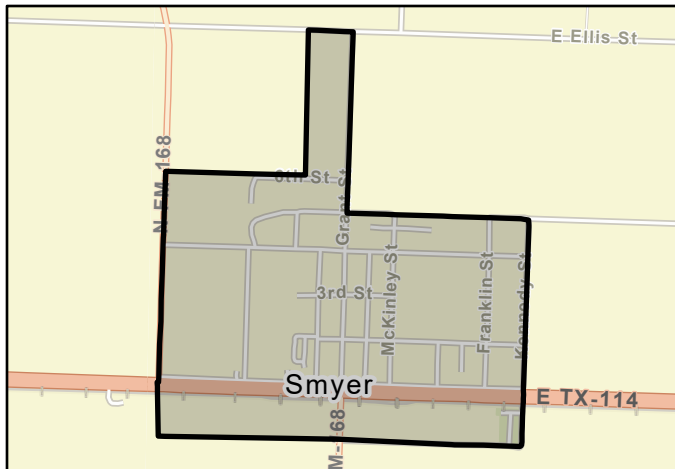
## Impacts

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**



FMS area



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Upper Brazos Building Codes Outreach Program**

ID# **072000045** Sponsor **South Plains Association of Governments**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type	Education and Outreach					
Strategy description	Outreach Program: Encourage communities to adopt current building codes, adopt new construction codes for setting the minimum floor elevation					
Associated FME's	None		Associated FMP's	None		
Associated FMS's	None					
Watershed HUC# (if known)	120601020802,	120601020803,	120601020805,	120601020806,	Drainage area (mi <sup>2</sup> , est.)	20,028
	120601020901,	120601020903,	120601020904,	120601020905,	County	All

## Existing 100-Year Flood Risk

Population at risk	60,299	# of structures	28,532	Critical facilities	44
Flood risk type:	Riverine? <b>Yes</b>	Coastal? <b>No</b>	Local? <b>Yes</b>	Playa? <b>Yes</b>	Other? <b>No</b>
Farm/Ranch land impacted (acres)	869,138	Roadway(s) impacted (miles)	5,944		
Number of low water crossings	292	Historical road closures	0		

## 100-Year Flood Risk Reduction

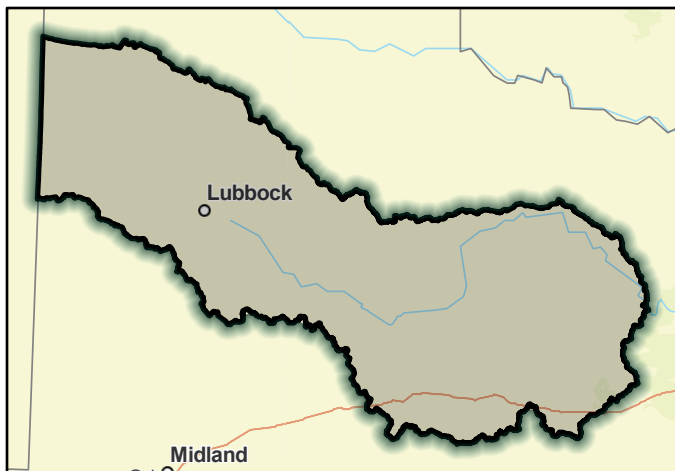
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years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

## Impacts

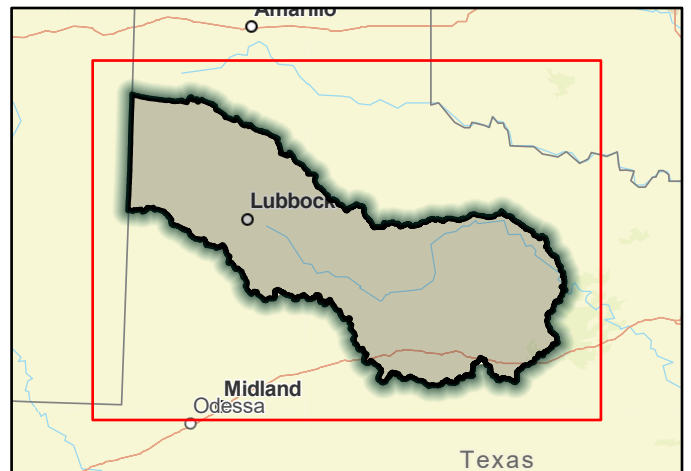
Negative impacts?	No	Negative impacts description	n/a
Water supply contributions?	No	Water supply contribution description	None

## Estimated Cost

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



Regional view of FMS area

# Flood Management Strategy (FMS)



Title **Upper Brazos Industry Flood Losses Outreach Program**

ID# **072000047** Sponsor **South Plains Association of Governments**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type	Education and Outreach					
Strategy description	Encourage best practices to reduce the vulnerability of agriculture, ranching, energy and forestry to flood-related losses through community outreach.					
Associated FME's	None		Associated FMP's	None		
Associated FMS's	None					
Watershed HUC# (if known)	120601020802,	120601020803,	120601020805,	120601020806,	Drainage area (mi <sup>2</sup> , est.)	20,028
	120601020901,	120601020903,	120601020904,	120601020905,	County	All

## Existing 100-Year Flood Risk

Population at risk	60,299	# of structures	28,532	Critical facilities	44
Flood risk type:	Riverine? <b>Yes</b>	Coastal? <b>No</b>	Local? <b>Yes</b>	Playa? <b>Yes</b>	Other? <b>No</b>
Farm/Ranch land impacted (acres)	869,138	Roadway(s) impacted (miles)	5,944		
Number of low water crossings	292	Historical road closures	0		

## 100-Year Flood Risk Reduction

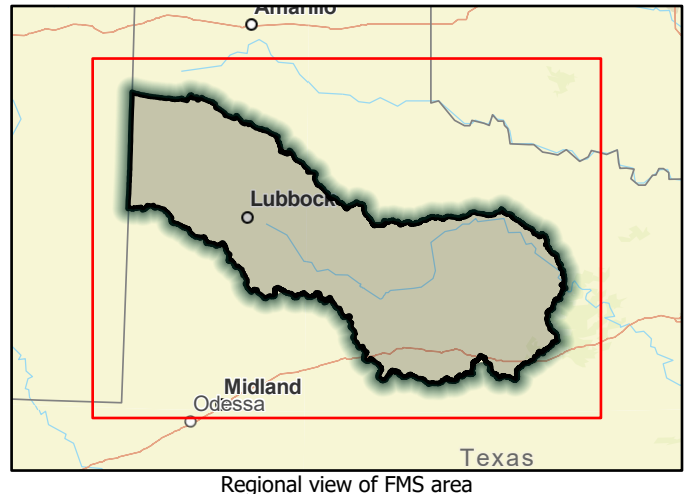
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years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

## 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	\$0	% Nature-Based	0
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# Flood Management Strategy (FMS)



Title **Upper Brazos Public Awareness Outreach Program**

ID# **072000046** Sponsor **South Plains Association of Governments**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type	Education and Outreach					
Strategy description	Encourage annual public outreach and education activities to improve awareness of flood hazards, flood planning, and projects associated with emergency response associated with flooding.					
Associated FME's	None		Associated FMP's	None		
Associated FMS's	None					
Watershed HUC# (if known)	120601020802,	120601020803,	120601020805,	120601020806,	Drainage area (mi <sup>2</sup> , est.)	20,028
	120601020901,	120601020903,	120601020904,	120601020905,	County	All

## Existing 100-Year Flood Risk

Population at risk	60,299	# of structures	28,532	Critical facilities	44
Flood risk type:	Riverine? <b>Yes</b>	Coastal? <b>No</b>	Local? <b>Yes</b>	Playa? <b>Yes</b>	Other? <b>No</b>
Farm/Ranch land impacted (acres)	869,138	Roadway(s) impacted (miles)	5,944		
Number of low water crossings	292	Historical road closures	0		

## 100-Year Flood Risk Reduction

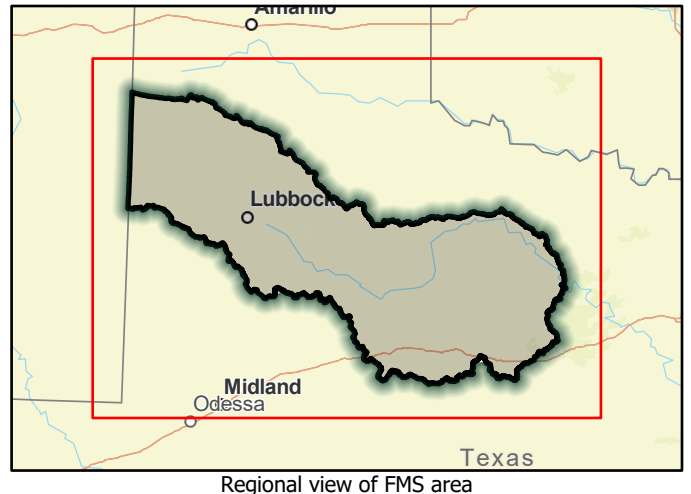
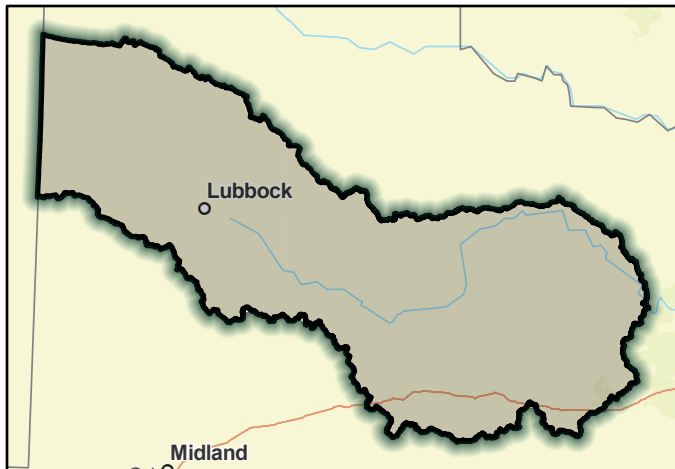
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years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

## 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	\$0	% Nature-Based	0
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# Flood Management Strategy (FMS)



Title **Upper Brazos Stormwater Maintenance Outreach Program**

ID# **072000048** Sponsor **South Plains Association of Governments**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type	Education and Outreach				
Strategy description	Outreach Program: Encourage maintenance programs on storm water infrastructure, Dams, ditches, and channels.				
Associated FME's	None		Associated FMP's	None	
Associated FMS's	None				
Watershed HUC# (if known)	120601020802,	120601020803,	120601020805,	120601020806,	Drainage area (mi <sup>2</sup> , est.)
	120601020901,	120601020903,	120601020904,	120601020905,	20,028
				County	All

## Existing 100-Year Flood Risk

Population at risk	60,299	# of structures	28,532	Critical facilities	44
Flood risk type:	Riverine? <b>Yes</b>	Coastal? <b>No</b>	Local? <b>Yes</b>	Playa? <b>Yes</b>	Other? <b>No</b>
Farm/Ranch land impacted (acres)	869,138	Roadway(s) impacted (miles)	5,944		
Number of low water crossings	292	Historical road closures	0		

## 100-Year Flood Risk Reduction

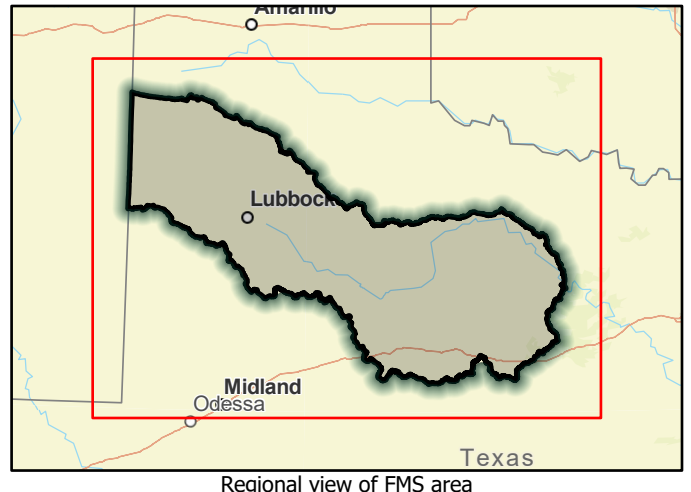
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years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

## 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	\$0	% Nature-Based	0
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# Flood Management Strategy (FMS)



Title **Upper Brazos Warning System Outreach Program**

ID# **072000049** Sponsor **South Plains Association of Governments**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with Region Goals**

## Strategy Details

Strategy type	Education and Outreach				
Strategy description	Basin wide Study Program: Reach out to proper authorities with jurisdiction to improve on Warning signs, lights, or systems.				
Associated FME's	None		Associated FMP's	None	
Associated FMS's	None		Drainage area (mi <sup>2</sup> , est.)	20,028	
Watershed HUC# (if known)	120601020802,	120601020803,	120601020805,	120601020806,	County
	120601020901,	120601020903,	120601020904,	120601020905,	
					All

## Existing 100-Year Flood Risk

Population at risk	60,299	# of structures	28,532	Critical facilities	44
Flood risk type:	Riverine? <b>Yes</b>	Coastal? <b>No</b>	Local? <b>Yes</b>	Playa? <b>Yes</b>	Other? <b>No</b>
Farm/Ranch land impacted (acres)	869,138	Roadway(s) impacted (miles)	5,944		
Number of low water crossings	292	Historical road closures	0		

## 100-Year Flood Risk Reduction

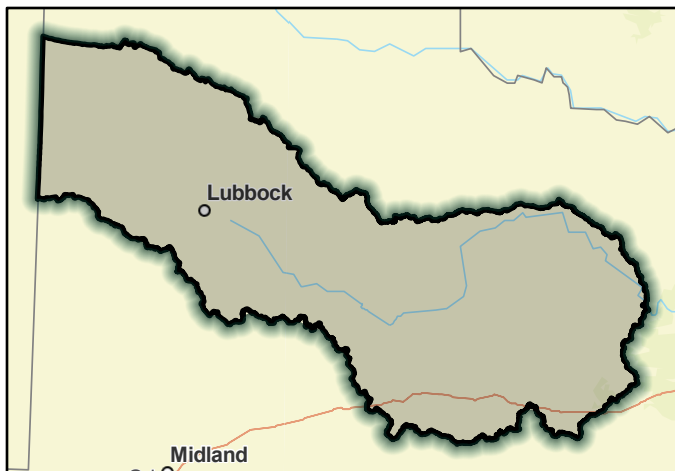
Population removed from 100-yr	0	# of structures removed from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits	None	Reduction in # of road closures over 10 years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

## Impacts

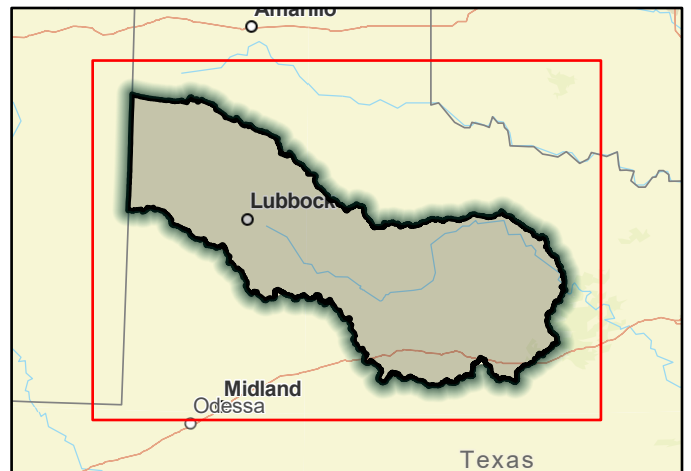
Negative impacts?	No	Negative impacts description	n/a
Water supply contributions?	No	Water supply contribution description	None

## Estimated Cost

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



Regional view of FMS area

FINAL JANUARY 10, 2023

## **APPENDIX C - ADDITIONAL DATA**

TASK 10 SPAG STAKEHOLDER INTRODUCTION LETTER

May 25, 2021

**RE: Flood Planning Data Collection Survey**

Dear Flood Planning Stakeholder,

In 2019, the 86<sup>th</sup> Texas Legislature passed Senate Bill 8 initiating the very first statewide flood planning effort. Subsequently, the Texas Water Development Board (TWDB) established the Region 7 Upper Brazos Regional Flood Planning Group on October 1, 2020. As one of fifteen RFPGs across the state, our foremost responsibility is the development of a Regional Flood Plan (RFP) for Region 7 Upper Brazos Regional Flood Planning Group (UBRFPG) which will identify flood risks; establish flood mitigation and floodplain management goals; and recommend evaluations, strategies, and projects to reduce flood risks in our communities.

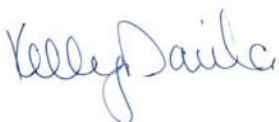
Region 7 UBRFPG, which is administered by South Plains Association of Governments (SPAG), is working with Freese and Nichols, Inc. to accomplish the goal of creating a plan that accurately reflects and addresses flood risk management needs throughout the region via survey. Additionally, the team will be reaching out to stakeholders to solicit participation. **The survey will be issued in early June and responses will be accepted for 30 days.**

Please utilize the upcoming survey as a platform to share your experience and expertise with flood issues, flood risk concerns, and flood mitigation projects and strategies, as well as identifying any other priorities that you would like to see accomplished over this first-ever flood planning cycle. Your feedback, suggestions and recommendations as it relates to flood management issues, provisions, projects and strategies that should be considered is a crucial part of the information gathering process to complete a comprehensive flood plan and will directly contribute to the 2023 Regional Flood Plan (RFP).

**Region 7 UBRFPG will hold a virtual public meeting, June 17, 2020 at 10 a.m.** which includes an additional opportunity for the public to contribute to the discussion on the existing conditions mapping. For additional information or any questions, please contact our Planning Group Sponsor, Kelly Davila of SPAG at [kdavila@spag.org](mailto:kdavila@spag.org).

Your participation is critical in this effort to safeguard our region and provide protection of life and property against flood risks in our communities. We would greatly appreciate your response to the upcoming survey and thank you for your consideration.

Sincerely,



Kelly Davila  
Director of Regional Services/Economic Development  
SPAG

FINAL JANUARY 10, 2023

## **APPENDIX C - ADDITIONAL DATA**

TASK 10 UPPER BRAZOS COMMUNITY OFFICIALS WEB SURVEY

## Upper Brazos Regional Flood Plan

In the wake of historic flooding in Texas, the 2019 Texas Legislature passed legislation to create Texas' first-ever regional and state flood planning process. The Region 7 Upper Brazos Regional Flood Planning Group (RFPG) was established by the Texas Water Development Board (TWDB) on October 1, 2020. The RFPG is responsible for developing the first regional flood plan by January 2023, which will culminate in the first-ever state flood plan for Texas.

**Short on time? The survey allows for incomplete responses. Fill out as many questions as you have information for. Please also provide feedback on the**

## Introduction

**Tell us about yourself and your community.**

### 1. Phone number

### 2. Email

### 3. 1. Which of the following best describes you?

Select only one.

- I am the floodplain manager for a community participating in the National Flood Insurance Program (NFIP).
- I am a public-sector employee with flood-related responsibilities.
- I am an elected or appointed official with flood-related responsibilities.
- I am a person interested in the regional flood planning process.
- Other (describe)

### 4. 2. What type of entity do you represent?

Select only one.

- Myself/General Public
- County
- Municipality
- Industrial Interests
- Agricultural Interests
- Environmental Interests



# Upper Brazos Regional Flood Plan Community Officials Survey

- Small Business Interests
- Electrical Utilities
- Water Utilities
- Water Districts
- River Authorities
- Flood Districts
- State/Federal
- Other (please specify)

## 5. 3. What is the name of your entity?

## 6. 4. What is your job title?

## 7. 5. In which county is your entity located?

- Archer
- Bailey
- Baylor
- Callahan
- Castro
- Cochran
- Crosby
- Dickens
- Eastland
- Fisher
- Floyd
- Garza
- Hale
- Haskell
- Hockley
- Jones
- Kent
- King
- Knox
- Lamb
- Lubbock
- Lynn

## Upper Brazos Regional Flood Plan Community Officials Survey

- Nolan
- Parmer
- Scurry
- Shackelford
- Stephens
- Stonewall
- Swisher
- Taylor
- Throckmorton
- Young

### 8. 6. In which city is your entity located?

- Abernathy
- Abilene
- Albany
- Amherst
- Anson
- Anton
- Aspermont
- Baird
- Benjamin
- Bovina
- Breckenridge
- Buffalo Gap
- Bula
- Cisco
- Clyde
- Cotton Center
- Crosbyton
- Desdemona
- Dickens
- Dimmitt
- Earth
- Edmonson
- Eliasville
- Enochs
- Farwell
- Floydada

# Upper Brazos Regional Flood Plan Community Officials Survey

- Fluvanna
- Girard
- Goree
- Guthrie
- Hale Center
- Hamlin
- Hart
- Haskell
- Hawley
- Hermleigh
- Idalou
- Impact
- Jayton
- Knox City
- Lawn
- Levelland
- Littlefield
- Lockney
- Lorenzo
- Lubbock
- Lueders
- Maple
- Maryneal
- McAdoo
- McCaulley
- Mergargel
- Merkel
- Moran
- Morton
- Muleshoe
- Munday
- New Deal
- New Home
- Newcastle
- Nolan
- O'Brian
- Old Glory
- Olton
- Opdyke

# Upper Brazos Regional Flood Plan Community Officials Survey

- Ovalo
- Paint Creek
- PEP
- Petersburg
- Plainview
- Post
- Potosi
- Putnam
- Ralls
- Ransom Canyon
- Reese Village
- Roby
- Rochester
- Ropesville
- Roscoe
- Rotan
- Rule
- Sagerton
- Seth Ward
- Seymour
- Shallowater
- Slaton
- Smyer
- South Bend
- Spade
- Springlake
- Spur
- Stamford
- Sudan
- Sundown
- Sweetwater
- Sylvester
- Tahoka
- Throckmorton
- Trent
- Tuscola
- Tye
- Weinert
- Whiteface

# Upper Brazos Regional Flood Plan Community Officials Survey

- Wilson
- Wolfforth
- Woodson

**9. 7. Are you aware of any other jurisdiction beyond cities and counties with flood-related responsibilities in your area, such as a drainage district, levee district, flood control district, etc.?**

- Yes
- No

**10. 8. If yes, please provide the name of the entity, the name of the contact person, contact information for that entity.**

## Inventory

**The Regional Flood Plan will develop an inventory of natural features and major flood infrastructure within the region. The following section will help us identify and evaluate key features in your community.**

**11. 9. Does your entity maintain GIS datasets or other digital inventories for any of the following natural features in your jurisdiction?**

Select all that apply.

- Rivers, creeks, tributaries, and functioning floodplains
- Wetlands
- Playa lakes
- Sink holes
- Alluvial fans
- No digital inventory of natural features
- Other (please specify)

If so, please provide this information by utilizing the [Upload Data](#) engagement tool on the homepage to provide any supporting data and documentation.

**12. 10. Does your entity maintain GIS datasets or other digital inventories of the following constructed features in your jurisdiction?**

Select all that apply.

- Levees



## Upper Brazos Regional Flood Plan Community Officials Survey

- Stormwater tunnels
- Stormwater canals
- Flood protection dams
- Detention/retention ponds
- Weirs
- Storm drain systems
- No digital inventory of constructed features
- Other (please specify)

If so, please provide this information by utilizing the Upload Data engagement tool on the homepage to provide any supporting data and documentation.

### 13. 11. If available, provide a link to the location of the data on your entity's website.

### 14. 12. What percentage of the following infrastructure or natural feature within your jurisdiction would you consider non-functional?

Non-functional: The infrastructure is not providing its intended or design level of service.

#### Stormwater tunnels

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

#### Stormwater canals

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

# Upper Brazos Regional Flood Plan Community Officials Survey

## Flood protection dams

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

## Weirs

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

## Storm drain systems

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

## Levees

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

## Rivers, creeks, tributaries, and functioning floodplains

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

# Upper Brazos Regional Flood Plan Community Officials Survey

## Wetlands

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

## Playa Lakes

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

## Sink Holes

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

## Alluvial fans

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

## 15. 13. What is the main reason your infrastructure is non-functional?

Please indicate the reason the infrastructure is non-functional.

### Stormwater tunnels

- N/A
- Lack of adequate standards during original construction
- Inherited due to ownership change or annexation
- Impacts from development
- Inadequate budget to construct proper system

# Upper Brazos Regional Flood Plan Community Officials Survey

## Stormwater canals

- N/A
- Lack of adequate standards during original construction
- Inherited due to ownership change or annexation
- Impacts from development
- Inadequate budget to construct proper system

## Flood protection dams

- N/A
- Lack of adequate standards during original construction
- Inherited due to ownership change or annexation
- Impacts from development
- Inadequate budget to construct proper system

## Weirs

- N/A
- Lack of adequate standards during original construction
- Inherited due to ownership change or annexation
- Impacts from development
- Inadequate budget to construct proper system

## Storm drain systems

- N/A
- Lack of adequate standards during original construction
- Inherited due to ownership change or annexation
- Impacts from development
- Inadequate budget to construct proper system

## Levees

- N/A
- Lack of adequate standards during original construction
- Inherited due to ownership change or annexation
- Impacts from development
- Inadequate budget to construct proper system

## Rivers, creeks, tributaries, and functioning floodplains

- N/A
- Lack of adequate standards during original construction
- Inherited due to ownership change or annexation
- Impacts from development
- Inadequate budget to construct proper system

# Upper Brazos Regional Flood Plan Community Officials Survey

## Wetlands

- N/A
- Lack of adequate standards during original construction
- Inherited due to ownership change or annexation
- Impacts from development
- Inadequate budget to construct proper system

## Playa lakes

- N/A
- Lack of adequate standards during original construction
- Inherited due to ownership change or annexation
- Impacts from development
- Inadequate budget to construct proper system

## Sink holes

- N/A
- Lack of adequate standards during original construction
- Inherited due to ownership change or annexation
- Impacts from development
- Inadequate budget to construct proper system

## Alluvial fans

- N/A
- Lack of adequate standards during original construction
- Inherited due to ownership change or annexation
- Impacts from development
- Inadequate budget to construct proper system

## 16. 14. What percentage of the following infrastructure or natural feature within your jurisdiction would you consider deficient?

Deficient: The infrastructure or natural feature is in poor structural or non-structural condition and needs replacement, restoration, or rehabilitation.

## Stormwater tunnels

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%



# Upper Brazos Regional Flood Plan Community Officials Survey

## Stormwater canals

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

## Flood protection dams

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

## Weirs

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

## Storm drain systems

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

## Levees

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

# Upper Brazos Regional Flood Plan Community Officials Survey

Rivers, creeks, tributaries, and functioning floodplains

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

Wetlands

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

Playa Lakes

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

Sink Holes

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

Alluvial fans

- N/A
- 0%
- 25%
- 50%
- 75%
- 100%

**17. 15. What is the main reason your infrastructure is deficient?**

Please indicate the reason the infrastructure is deficient.

Stormwater tunnels

- N/A
- Lack of adequate standards during original construction
- Infrastructure has reached its useful life
- Impacts from development
- Damage from flood or other natural event
- Inadequate budget to maintain system

Stormwater canals

- N/A
- Lack of adequate standards during original construction
- Infrastructure has reached its useful life
- Impacts from development
- Damage from flood or other natural event
- Inadequate budget to maintain system

Flood protection dams

- N/A
- Lack of adequate standards during original construction
- Infrastructure has reached its useful life
- Impacts from development
- Damage from flood or other natural event
- Inadequate budget to maintain system

Weirs

- N/A
- Lack of adequate standards during original construction
- Infrastructure has reached its useful life
- Impacts from development
- Damage from flood or other natural event
- Inadequate budget to maintain system

Storm drain systems

- N/A
- Lack of adequate standards during original construction
- Infrastructure has reached its useful life
- Impacts from development
- Damage from flood or other natural event
- Inadequate budget to maintain system

# Upper Brazos Regional Flood Plan Community Officials Survey

## Levees

- N/A
- Lack of adequate standards during original construction
- Infrastructure has reached its useful life
- Impacts from development
- Damage from flood or other natural event
- Inadequate budget to maintain system

## Rivers, creeks, tributaries, and functioning floodplains

- N/A
- Lack of adequate standards during original construction
- Infrastructure has reached its useful life
- Impacts from development
- Damage from flood or other natural event
- Inadequate budget to maintain system

## Playa Lakes

- N/A
- Lack of adequate standards during original construction
- Infrastructure has reached its useful life
- Impacts from development
- Damage from flood or other natural event
- Inadequate budget to maintain system

## Sink Holes

- N/A
- Lack of adequate standards during original construction
- Infrastructure has reached its useful life
- Impacts from development
- Damage from flood or other natural event
- Inadequate budget to maintain system

## Alluvial fans

- N/A
- Lack of adequate standards during original construction
- Infrastructure has reached its useful life
- Impacts from development
- Damage from flood or other natural event
- Inadequate budget to maintain system

## Flood Prone Areas

The Regional Flood Plan will identify flood hazards and vulnerability in the region. The following section will help us identify who and what might be

**16. Are you aware of flooding that has occurred in your area? If so, please provide list of historical flood events that have affected your jurisdiction. Please provide as much information as possible, such as the date(s), specific location(s) (if appropriate), newspaper articles, the financial value of damages (if known), number of swift water rescues, injuries, and/or fatalities (if known).**

You may provide written feedback here, identify areas on the [web map](#), and/or upload historical information through the [upload data](#) page.

## 18. Please Describe

## Floodplain Management

The Regional Flood Plan will consider how current floodplain management practices and regulations impact flood risks. The following section will help us evaluate these practices and identify specific flood mitigation and management goals appropriate for this region.

## 19. 17. Does your community participate in the following programs?

Select all that apply

- National Flood Insurance Program (NFIP)
- Community Rating System (CRS)
- Do not participate but interested in National Flood Insurance Program (NFIP)
- Do not participate but interested in Community Rating System (CRS)
- I don't know
- Do not participate in either program and not currently interested (please describe)



**20. 18. Does your community participate in the following floodplain management activities?**

Select all that apply

- Development review/regulation
- Floodplain or drainage capital projects
- Local assistance with home elevation
- Acquisition of repetitive loss properties
- Flood risk communication campaigns and public outreach
- Flood warning systems (Examples: flashers or staff gages)
- Emergency alert systems
- Priority evacuation areas
- Identification of vulnerable populations
- Programmed operations & maintenance
- Reactive maintenance following complaints or damages after a storm
- Programmed inspection/repair/rehab
- Asset inventory and comprehensive condition assessments
- Ordinance enforcement
- None of the above
- Other (please specify)

**Does your community have any of the following floodplain management regulation and policies?**

**Select all that apply.**

**21. 19. Development standards**

- Floodplain ordinance
- Drainage ordinance
- Stormwater management ordinances
- Building standards for flood proofing and flood protection
- Consideration for fully developed or future conditions land use
- Zoning/land use regulations
- None of the above
- Other (please specify)

**22. 20. Infrastructure engineering design standards or Drainage Criteria Manual**

- Roadways
- Crossings (bridges and culverts)
- Storm drainage systems
- Detention facilities
- Dams
- Levees/Floodwalls
- None of the above
- Other (please specify)

**23. 21. Higher standards**

- Freeboard
- Detention policy
- Fill restrictions
- None of the above
- Other (please specify)

**24. 22. What future conditions scenarios are required to be evaluated for flood protection projects in your jurisdiction?**

- Existing development
- Projected development over a future time horizon
- Fully developed areas
- 0.2% ACE or 500-year Floodplain as a proxy
- We do not use future conditions considerations for flood protection projects.
- Other (please specify)

Please utilize the [Upload Data](#) engagement tool on the homepage to provide any supporting data and documentation.

**25. 23. Identify the resources your jurisdiction uses to predict future land use and development.**

- TX Demographic Center Population Projections
- Future Land Use Plan from Comprehensive Plan
- Annexation Plans
- Utility CCNs
- Public Improvement Districts
- Texas Enterprise Zones

# Upper Brazos Regional Flood Plan Community Officials Survey

- Transportation Plans
- None of the above
- Other (please specify)

Please utilize the Upload Data engagement tool on the homepage to provide any supporting data and documentation.

## 26. 24. Which of the following best describes how your community enforces its Floodplain Management practices?

Select one

- We actively enforce the entire floodplain management ordinance, perform many inspections throughout construction process, issue fines, violations, and Section 1316s where appropriate, and enforce substantial damage and substantial improvement.
- We enforce much of the ordinance, perform limited inspections and are limited in issuance of fines and violations.
- We provide permitting of development in the floodplain, may not perform inspections, may not issue fines or violations.
- We do not currently enforce floodplain management regulations.
- Additional comments on enforcement:

**The Regional Flood Plan Group (RFPG) will consider recommending or adopting consistent minimum standards across the entire region. “Recommended” standards would not require the communities to adopt the minimum standards to have projects included in the Regional Flood Plan and to be eligible for funding. “Adopted” standards would require the communities to adopt the minimum standards to have projects included in the Regional Flood Plan and to be eligible for funding. Recommended and**

## 27. 25. Should the Regional Flood Planning Group (RFPG) “recommend” consistent minimum flood risk management standards across the entire Region?

These standards would be considered regional best practices, but would not be required to be adopted by local communities to participate in the Plan and be eligible for funding.

### 28. Yes (please describe)

### 29. No (please describe)

**30. 26. What are some minimum flood risk management standards the Regional Flood Planning Group (RFPG) should consider recommending?**

Select all that apply.

- Participation in the NFIP or equivalent standards
- Regulate development in the FEMA floodplain or other floodplain designation identified by the RFPG
- Establish higher standards for development or freeboard (additional feet above) known floodplain, Examples: Future Conditions BFE (base flood elevation), Feet above Existing BFE, 0.2% ACE (500-year floodplain) BFE, Feet Above street or curb
- Establish infrastructure protection standards, Minimum design criteria for buildings, critical facilities (hospitals, schools, fire stations, etc.), roadways, drainage infrastructure (culverts, bridges, storm drain, detention facilities, dams, or levees), property acquisition, and open space
- The RFPG should not recommend minimum flood risk management standards.
- Other (please specify)

**31. 27. Should the Regional Flood Planning Group (RFPG) “adopt” consistent minimum flood risk management standards across the entire Region?**

These standards would be required to be adopted by local communities to participate in the Plan and be eligible for funding.

**32. Yes (please describe)**

**33. No (please describe)**

**34. 28. What are some minimum flood risk management standards the Regional Flood Planning Group (RFPG) should consider adopting?**

Select all that apply

- Participation in the NFIP or equivalent standards
- Regulate development in the FEMA floodplain or other floodplain designation identified by the RFPG
- Establish higher standards for development or freeboard (additional feet above) known floodplain, Examples: Future Conditions BFE (base flood elevation), Feet above existing BFE, 0.2% ACE (500-year floodplain) BFE, Feet above street or curb
- Establish infrastructure protection standards, Minimum design criteria for buildings, critical facilities (hospitals, schools, fire stations, etc.), roadways, drainage infrastructure (culverts, bridges, storm drain, detention facilities, dams, or levees), property acquisition, and open space
- The RFPG should not adopt minimum flood risk management standards.

Other (please specify)

**35. 29. Please provide any additional thoughts on minimum flood risk management standards for the Regional Flood Planning Group (RFPG) should consider.**

**36. 30. What are the top 3 priorities the Regional Flood Planning Group (RFPG) should include in the establishment of regional goals?**

Select up to 3

- Implement protective standards and policies
- Identify and communicate flood risk
- Quantify potential reduction in risk to life and property
- Restore failing/aging infrastructure
- Implement flood warning and response mechanisms
- Provide or enhance inter-jurisdictional cooperation
- Other (please specify)

**37. 31. Are there certain areas within the region that have especially unique circumstances that warrant their own sub-regional goals?**

For example, the RFPGs may wish to consider the unique needs of urban vs. rural areas, areas with detailed vs. approximate floodplain mapping and modeling, or upstream vs. downstream areas.

- No
- Yes (please describe)

**32. Do you have any suggestions in the categories of Legislative, Regulatory/Administrative, or Revenue Generation that could help the region in the areas of floodplain management, flood mitigation planning, and mitigation, and/or reducing flooding impacts to life and property?**

**38. Legislative**



### 39. Regulatory/Administrative

### 40. Revenue Generation

### Flood Planning

**The Regional Flood Plan will identify potential study needs and potentially feasible flood management strategies and projects. The following section will help us incorporate the needs of your community.**

### 41. 33. What types of local and regional flood planning information does your jurisdiction have?

Check all that apply.

- Hazard Mitigation Plan
- Master Drainage Plans/Stormwater Drainage Plans
- Flood Protection Plans
- Flood Studies/Flood Risk Assessments
- Watershed Plans
- CRS Plan
- Floodplain Management Plan
- Flood risk screening tools
- Models, including hydrology, hydraulics, or any available screening level models
- None of the above

Please utilize the Upload Data engagement tool on the homepage to provide any supporting data and documentation.

### 42. 34. What additional relevant planning documents or information does your jurisdiction have?

Check all that apply.

- Flood disaster reports

## Upper Brazos Regional Flood Plan Community Officials Survey

- Transportation plans
- Substantial Damage Estimation (SDE) forms
- Emergency Action Plans (flood-related portions)
- Other information relevant to the RFPG
- None of the above

Please utilize the Upload Data engagement tool on the homepage to provide any supporting data and documentation.

**43. 35. Are there priority areas in your community with no inundation maps or detailed studies that could benefit from a flood study? If yes, please describe the reason for the need.**

- No or limited inundation maps
- Outdated maps in need of updated study
- Need maps to identify flooding for urban areas, low lying areas, and/or streets
- No areas in need of study

Please use the [web map](#) to identify specific areas.

**44. 36. Is there funding in your community for the necessary flood studies?**

- No funding identified
- Partial local funding available
- Full funding identified
- Full funding secured
- Other (please specify)

**45. 37. Have grants or loans been secured for all or a portion of this funding?**

- N/A
- No
- Yes (please specify)

**46. 38. Identify the resources your jurisdiction uses to identify how physical changes to the land might affect future flood risk.**

- Subsidence studies
- Analysis of sedimentation of flood control structures
- Studies on geomorphic changes

## Upper Brazos Regional Flood Plan Community Officials Survey

- Watershed studies with future conditions analysis
- None of the above
- Other (please specify)

Please utilize the Upload Data engagement tool on the homepage to provide any supporting data and documentation.

### **47. 39. What has your jurisdiction done to address flooding concerns?**

- Nothing yet
- Performed existing drainage system maintenance
- Performed project identification and planning activities
- Performed more detailed analyses of areas to identify the source of the flooding
- Upgraded existing drainage infrastructure
- Constructed new drainage systems
- Wetland/floodplain/open space restoration/preservation
- Implemented and enforced drainage design criteria/floodplain management policies
- Other (please specify)

### **48. 40. What, if any, major infrastructure or flood mitigation projects are currently under development?**

Select all of the projects that apply.

- Levees
- Stormwater tunnels
- Stormwater canals
- Flood protection dams
- Detention/retention ponds
- Weirs
- Storm drain systems
- Other (please specify)

Please utilize the Upload Data engagement tool on the homepage to provide any supporting data and documentation.

### **49. 41. What is the current status of the major infrastructure or flood mitigation projects currently under development?**

- Project identified
- Project in conceptual planning phase
- Project in feasibility analysis phase

## Upper Brazos Regional Flood Plan Community Officials Survey

- Project in Preliminary Design
- Project in Final Design
- Project in Construction
- Other (please specify)

**Describe the project location(s) using the web map feature.**

**Please utilize the Unload Data engagement tool on the homepage to provide**

**50. 42. Is there funding in your community for the necessary engineering evaluations and/or design and construction of proposed flood mitigation projects?**

Select one

- No funding identified
- Partial funding available
- Full funding identified
- Full funding secured
- Other (please specify)

**51. 43. Have grants or loans been secured for all or a portion of this funding?**

- Yes
- No
- N/A

**52. 44. Are there non-structural flood mitigation projects in your community with funding needs? If so, what level of funding is there in your community for these projects?**

- No non-structural flood mitigation projects are needed in my community
- There is a need to identify non-structural flood mitigation projects in my community
- Projects are identified with no funding identified
- Projects are identified with partial funding available
- Projects are identified with full funding identified
- Projects are identified with full funding secured
- Other (please specify)

## Funding

**Flood studies (evaluations), management strategies, and projects identified in the Regional Flood Plan will be eligible for TWDB funding through grants and loans. The following section will help us understand the current funding mechanisms in your community and identify the proposed role of State financing.**

### 53. 45. Which of the following describes your local funding sources for flood management activities?

Select all that apply

- General Fund
- Bond Program
- Stormwater utility or Drainage fee
- Special Tax Districts
- Impact Fees
- Permitting Fees
- Ad Valorem Tax
- I don't know
- No current dedicated funding but interested
- We do not have a local funding source for flood management activities
- Other (please specify)

### 54. 46. Have you ever applied for Federal or State grants or loan programs?

If yes, please select all that apply.

- No
- Flood Infrastructure Fund (FIF) [TWDB]
- Building Resilient Infrastructure and Communities Program (BRIC) [FEMA]
- Hazard Mitigation Grant Program (HMGP) [FEMA, TDEM]
- Pre-Disaster Mitigation (PDM) [FEMA, TDEM]
- Flood Mitigation Assistance (FMA) [FEMA, TWDB]
- U.S. Department of Agriculture - Natural Resources Conservation Service (NRCS)
- Community Development Block Grant-Disaster Recovery (CDBG-DR) [HUD, GLO]
- U.S. Army Corps of Engineers Small Continuing Authorities Program (USACE CAP)
- Cooperating Technical Partners Program (CTP) [TWDB]
- State Water Implementation Fund for Texas (SWIFT) [TWDB]
- Flood Protection Planning Grant [TWDB]
- Texas Water Development Fund (DFund) [TWDB]
- Clean Water State Revolving Fund (CWSRF) [TWDB]



- I don't know
- Other (please specify)

**55. 47. If you have not considered applying for Federal or State grant/loan programs, please state main reasons below?**

**Flood Response**

**The Regional Flood Plan will document the existing flood response preparations in the region. The following section will help us understand the practices your community uses for emergency response.**

**56. 48. Select the flood response measures your jurisdiction uses for emergency response:**

Select all that apply

- Public Emergency Alert System (i.e. reverse 911)
- Flood warning signs
- Flood warning signs with flashing lights
- Flood gauges
- Rain/stream gauges with alerts
- Public-facing website
- Portable/temporary traffic message boards
- Coordination with TxDOT message boards
- Flood forecasting tool
- Crew(s) set up barricades or close gates
- Automatic low water crossing gates
- Outdoor siren/message speaker system
- Swift water rescue team
- Cameras
- None of the above
- Other (please specify)

**57. 49. If your jurisdiction plans to implement changes or additions to the emergency response system over the next five years, select the measures that you anticipate implementing:**

- Public Emergency Alert System (i.e. reverse 911)
- Flood warning signs

# Upper Brazos Regional Flood Plan Community Officials Survey

- Flood warning signs with flashing lights
- Flood gauges
- Rain/stream gauges with alerts
- Public-facing website
- Portable/temporary traffic message boards
- Coordination with TxDOT message boards
- Flood forecasting tool
- Crew(s) set up barricades or close gates
- Automatic low water crossing gates
- Outdoor siren/message speaker system
- Swift water rescue team
- Cameras
- None of the above
- Other (please specify)

**58. 50. Does your community have staff dedicated to flood response activities during emergency situations?**

- No
- Yes (Please describe)

**59. 51. Are the staff embedded within the emergency operations center (or similar centralized location) during the event?**

- No
- Yes (Please describe)

**60. 52. Indicate the entities with whom you coordinate actions related to flood events (preparation, response, recovery and cleanup).**

Select all that apply.

	<b>Before</b>	<b>During</b>	<b>After</b>	<b>N/A</b>
Flood Control District	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
City	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
County	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
USACE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TxDOT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOAA/NWS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

# Upper Brazos Regional Flood Plan Community Officials Survey

Local dam owner/operator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Local levee owner/operator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TDEM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ag Extension Agents	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Brush/bulk debris contractor (on-call)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consultant engineer (on-call)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Local or regional assistance through existing MOUs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 61. 53. Any suggestions/recommendations to improve flood response?

**Thank you for participating in the Flood Planning process**

## 62. Phone Number

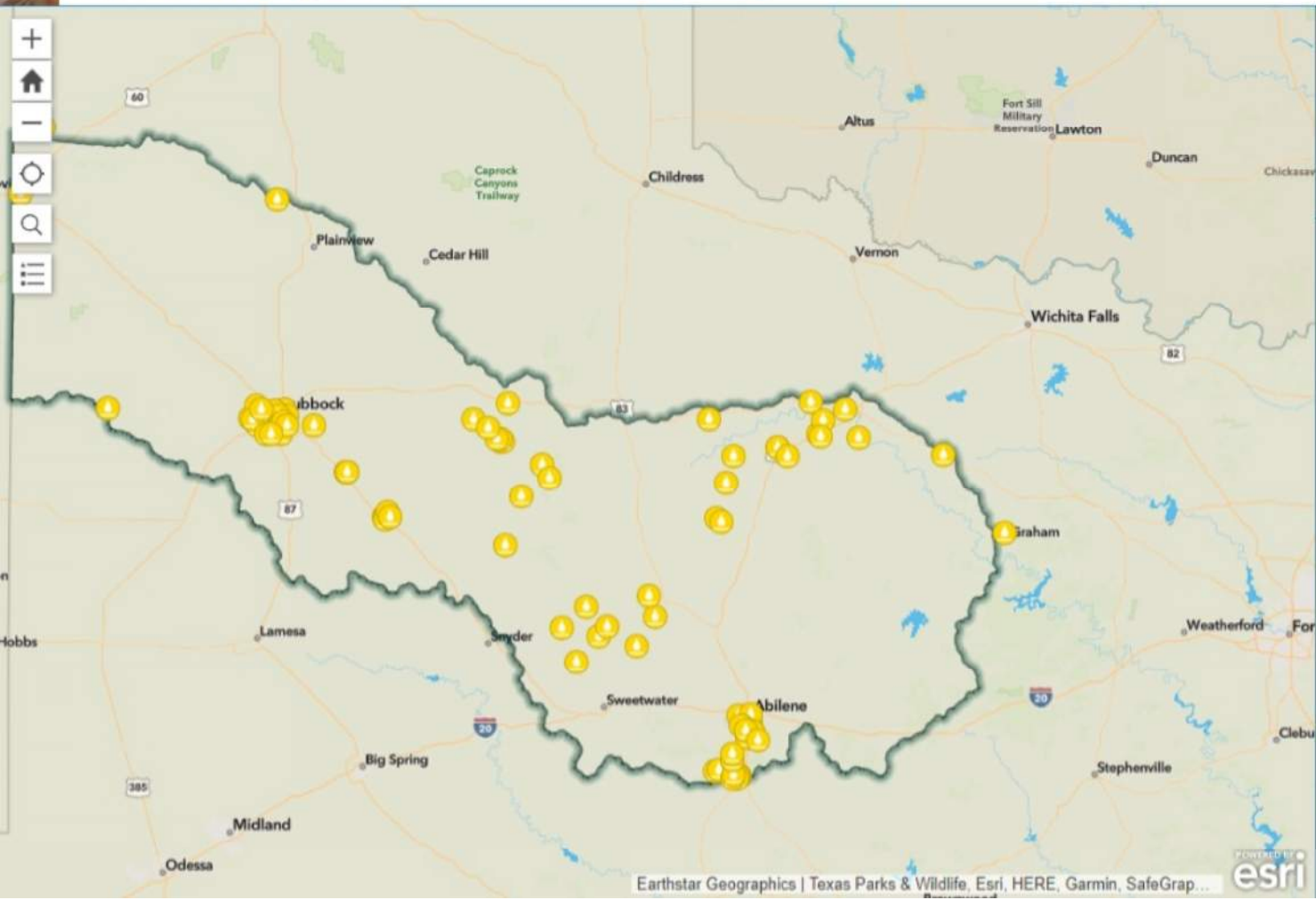
## 63. Email

FINAL JANUARY 10, 2023

## **APPENDIX C - ADDITIONAL DATA**

TASK 10 UPPER BRAZOS PUBLIC COMMENT WEB MAP CAPTURE

# Upper Brazos Regional Flood Plan Comments Survey



Region 7 Flood Plan Comment Map - Public

- Flood Prone Areas >
- Flood Projects in Progress >



FINAL JANUARY 10, 2023

## **APPENDIX C - ADDITIONAL DATA**

TASK 10 UPPER BRAZOS DATA COLLECTION WEBSITE CAPTURE



### Upper Brazos Regional Flood Plan

In the wake of historic flooding in Texas, the 2019 Texas Legislature passed legislation to create Texas' first-ever regional and state flood planning process. The Region 7 Upper Brazos Regional Flood Planning Group (RFPG) was established by the Texas Water Development Board (TWDB) on October 1, 2020. The RFPG is responsible for developing the first regional flood plan by January 2023, which will culminate in the first-ever state flood plan for Texas.

## Get Involved!

We are looking for your help to develop the first-ever flood plan for the Upper Brazos Region. Please use the links below to provide your input.

<h3>Put it on the Map</h3>	<h3>Take the Survey</h3>	<h3>Upload Data</h3>
<p>Use the interactive map to help us identify areas of flood risk in your region.</p>	<p>Take the survey to provide input on flooding issues and floodplain management goals specific to your region.</p>	<p>Help us collect data to strengthen this plan.</p>
<p><a href="#">See the interactive map</a></p>	<p><a href="#">Take the Survey</a></p>	<p><a href="#">Upload Data</a></p>

### Web Map Tutorial Video

**Web Map Survey Tutorial**  
 Lauren  
 Development Board (TWDB) on October 1, 2020. The RFPG is responsible for developing the first regional flood plan by January 2023, which will culminate in the first-ever state flood plan for Texas.

### Get Involved!

We are looking for your help to develop the first-ever flood plan for the Canadian-Upper Red Region. Please use the links below to provide your input.

<h3>Put it on the Map</h3>	<h3>Take the Survey</h3>	<h3>Upload Data</h3>
<p>Use the interactive map to help us identify areas of flood risk in your region.</p>	<p>Take the survey to provide input on flooding issues and floodplain management goals specific to your region.</p>	<p>Help us collect data to strengthen this plan.</p>
<p><a href="#">See the interactive map</a></p>	<p><a href="#">Take the Survey</a></p>	<p><a href="#">Upload Data</a></p>

02:26 [View Video](#)

For additional information, please visit the RFPG website: [upperbrazosflood.org](http://upperbrazosflood.org)

#### Contact Us

[Email\\_FloodRegion7@freese.com](mailto:Email_FloodRegion7@freese.com)

FINAL JANUARY 10, 2023

## **APPENDIX C - ADDITIONAL DATA**

TASK 10 UPPER BRAZOS OUTREACH WEB MAP CAPTURE

# Region 7 Upper Brazos Regional Flood Planning

**County Selection**

- Archer
- Bailey
- Baylor
- Borden
- Callahan
- Castro
- Cochran
- Crosby
- Dawson
- Dickens

[Reset](#) [Select all](#)

**Watershed Selection**  
Selection required

Point Infrastructure

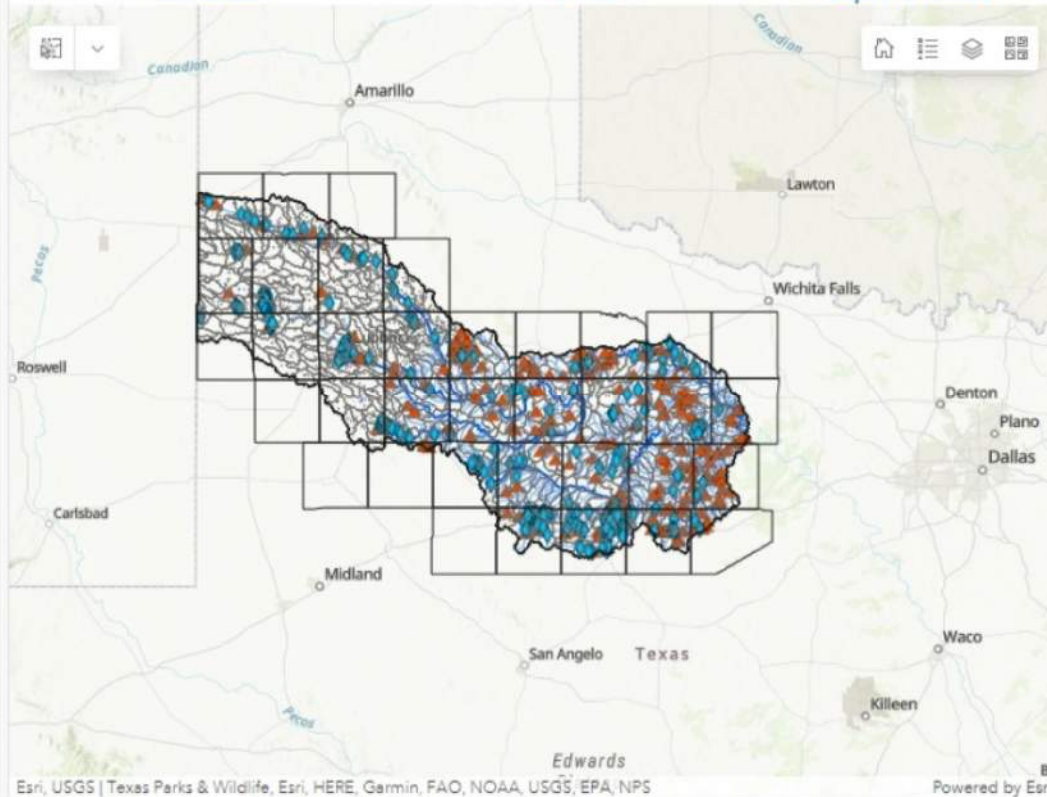
**557**  
Records

Line Infrastructure

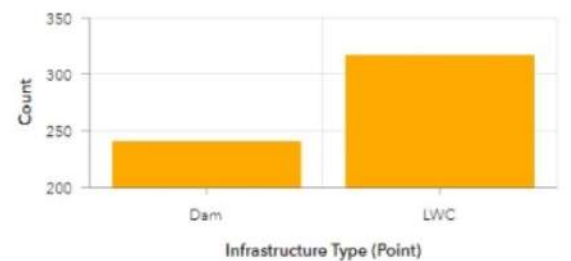
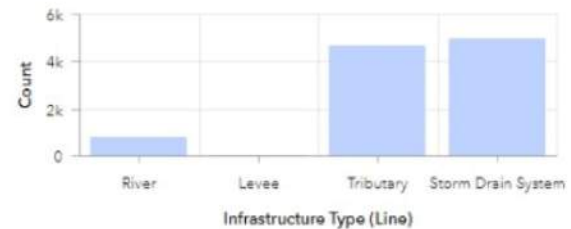
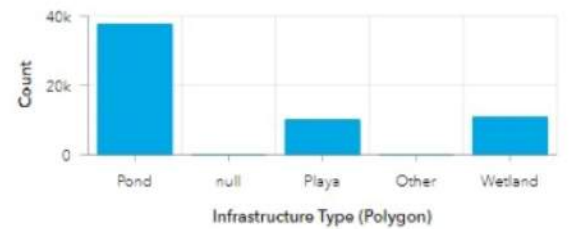
**7k**  
Miles

Polygon Infrastructure

**273**  
Square Miles



**Disclaimer:** This dashboard displays DRAFT data prepared for Region 7 as part of the Texas Regional Flood Planning process. This information is an interim working product for the RFPG and will not become final until formally adopted by the RFPG as part of the Final Regional Flood Plan in January 2023.



## **APPENDIX D – PUBLIC COMMENT**

- 1 TWDB Region 07 Upper Brazos Draft Comments
- 2 TPWD Upper Brazos RFP Comment Letter
- 3 USACE RFP Comments
- 4 Draft Plan Comment Response Log



FINAL JANUARY 10, 2023

## **APPENDIX D – PUBLIC COMMENT**

1 TWDB REGION 07 UPPER BRAZOS DRAFT COMMENTS

October 21, 2022

Kelly Davila  
Director of Regional Services/Economic Development  
South Plains Association of Governments/Caprock BFC  
1323 58th Street  
Lubbock, Texas 79412

RE: Texas Water Development Board Comments on Region 07 Upper Brazos RFPG's Draft Regional Flood Plan Contract No. 2101792492

Dear Ms. Davila:

Texas Water Development Board (TWDB) staff has performed a review of the draft regional flood plan submitted by August 1, 2022, on behalf of the Region 07 Upper Brazos Regional Flood Planning Group (RFPG). The attached comments will follow this format:

- **LEVEL 1:** Comments and questions that must be satisfactorily addressed to meet specific statute, rule, or contract requirements; and,
- **LEVEL 2:** Comments and suggestions for consideration that may improve the readability and/or overall understanding of the regional flood plan

Please note that while Level 2 comments are provided for the planning group's consideration, Level 1 comments must be addressed prior to the submission of final Regional Flood Plans by the January 10, 2023, deadline.

It is expected that the data contained in all written report sections, tables, excel spreadsheets, and the geodatabase will be consistent throughout. In cases where there are any discrepancies in data, the geodatabase dataset will supersede other data and the TWDB will utilize the geodatabase dataset when developing the state flood plan.

TWDB review of the draft regional flood plans is comprised of many spot checks of data across several deliverables and is not an all-encompassing data review. Please note that TWDB's review does not imply accuracy of the draft regional flood plan. Each RFPG is responsible for ensuring the completeness and accuracy of all associated data.

To facilitate efficient and timely completion, and Board approval, of your final regional flood plan, please provide your TWDB Regional Flood Planner with a draft of your response to these comments (e.g., informally via email) on the draft RFP as soon as possible. This will allow TWDB staff to provide preliminary feedback on proposed RFPG responses to assist you in meeting your RFPG's timeline for approval and submission to TWDB of the final plan by the deadline. It will also help to minimize the need for subsequent follow-ups after final regional flood plan submission to TWDB.

#### Our Mission

Leading the state's efforts in ensuring a secure water future for Texas and its citizens

#### Board Members

Brooke T. Paup, Chairwoman | George B. Peyton V, Board Member  
Jeff Walker, Executive Administrator

Title 31 TAC §361.50(c) requires the regional flood planning group to consider any written or oral Comment received from the public on the draft regional flood plan (RFP); and the EA's written comment on the draft RFP prior to adopting a final RFP. Section 361.50(d) requires the final adopted plan include summaries of all timely written and oral comments received, along with a response, for each, explaining any resulting revisions or why changes are not warranted. Copies of TWDB's Level 1 and 2 written comments and the RFPG's responses must be included in the final, adopted RFP. While the comments included in this letter represent TWDB's review to date, please anticipate the need to respond to additional comments or questions, as necessary, regarding data integrity related to the Board's State Flood Plan Database (that is built from the 15 regional databases), even after submission of the final plan to TWDB.

Standard to all RFPGs is the need to include certain content in the final RFPs that was not yet available at the time that drafts were prepared and submitted. In your final RFP, please be sure to incorporate in the final submitted plan, documentation, for example, that a public meeting to receive comments was held as required and that comments received on the draft RFP were considered in the development of the final plan [31 TAC §361.50(d)].

If you have any questions regarding these comments or would like to discuss your approach to addressing any of these comments, please do not hesitate to contact Ryke Moore at 512-475-1564 or via email at [Ryke.Moore@twdb.texas.gov](mailto:Ryke.Moore@twdb.texas.gov). TWDB staff are available to assist you in any way possible to ensure successful completion of your final regional flood plan.

Lastly, on behalf of TWDB, I would like to thank you, the sponsor, the RFPG members and the technical consultants for accomplishing this major milestone of a herculean effort and advancing the flood risk reduction mission in our state.

Sincerely,

Reem J. Zoun, PE, CFM  
Director  
Flood Planning

Attachment: TWDB Comments

Cc: Michael G. Keenum, RFPG Chair  
Courtney McNeely, South Plains Association of Governments  
Heather Keister, Freese and Nichols, Inc.  
Holly Ahumada, Freese and Nichols, Inc.  
Matt Nelson, TWDB  
James Bronikowski, TWDB  
Anita Machiavello, TWDB

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Jeff Walker, Executive Administrator

Ryke Moore, TWDB

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## Board Members

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Jeff Walker, Executive Administrator

October 21, 2022

## **TWDB Comments on Region 07 Upper Brazos Regional Flood Planning Group's Draft Regional Flood Plan**

**Level 1: Comments and questions must be satisfactorily addressed to meet statutory, agency rule, and/or contract requirements.**

### General Comments

1. Please ensure that all "Submittal requirements" identified in each of the Exhibit C Guidance document sections are submitted in the final flood plan.
2. Please ensure that all the prior TWDB comments on the region's Technical Memorandum are addressed in the final plan submission. It appears that many of the same issues remain unaddressed in the draft plan submission. An example of this includes Unique ID errors throughout Feature Classes and Tables within the draft submission.

### SOW Task 1

3. Planning Area Description, Text: Table 1-9 (page 64) lists "0" emergency service facilities at risk. However, Figure 1-15 (page 64) indicates multiple red dots depicting emergency services that appear to be at risk. Please reconcile.
4. Existing Flood Infrastructure GIS Feature Class, *ExFldInfraPt*: Please include all low water crossings (LWCs) identified during the flood planning process in this feature class. The *ExFldExpAll* feature class contains 532 LWCs, and the *ExFldInfraPt* feature class contains 317 LWCs. Note: This is required in contrast to the optional *LWC* feature class [31 TAC §361.31].
5. Existing Flood Infrastructure GIS Feature Class, *ExFldInfraPol*: It appears that some fields contain invalid 'NULL' entries, including 'NAT\_BUILT'. Please complete all required fields with valid entries per Exhibit D Table 5 [31 TAC §361.31 & Exhibit D 3.3].
6. Existing Flood Infrastructure GIS Feature Class, *ExFldInfraLn*: It appears that some fields contain invalid 'NULL' entries, including 'NAT\_BUILT' and 'DEF\_DESCR'. Please complete all required fields with valid entries per Exhibit D Table 5 [31 TAC §361.31 & Exhibit D 3.3].
7. Existing Flood Projects, Text: Please include the expected year of completion for existing projects in Table 1-14, or reference where this can be found in Exhibit C Table 2 [31 TAC §361.32].
8. Existing Flood Projects GIS Feature Class, *ExFldProjs*:
  - a. It appears that some fields are missing entries, including 'HUC8'. Please complete all required fields with valid entries per Exhibit D Table 8. For 'EXHAZ\_ID', 'COST', and 'COMP\_YR', please leave NULL if there is not data or unknown. Please review and reconcile where appropriate [31 TAC §361.32].
  - b. Please ensure that all ID fields are entered correctly. For example, it appears that 'EXPROJ\_ID' uses incorrect unique ID formatting and is missing a leading zero. Unique IDs must be accurate for the database to connect and work properly. Please refer to Exhibit D Table 2 or more recent updates for Unique ID guidance. Please reconcile [31 TAC §361.32].



SOW Task 2A

9. Existing Condition Flood Hazard Analysis, Text: Please include total land areas (square miles) of each flood risk by flood risk type, county, region, and frequency as per guidance document (Exhibit C page 24): Submittal requirement number 2.
10. Existing Condition Flood Risk Analyses, Text: Please include a reference to Exhibit C Table 3 in the text as per guidance document (Exhibit C page 27): Once Task 2A Existing Condition Flood Risk Analyses is complete, RFPs must include a summary table with findings summarizing flood risk by county (Exhibit C Table 3).
11. Existing Condition Flood Exposure Table (Exhibit C, Table 3): The Structure and Residential Structure counts in Table 3 do not appear to match the *ExFldExpAll* feature class counts. Please review and reconcile [31 TAC §361.33 & Exhibit C 2.2.A.3].
12. Existing Condition Flood Exposure GIS Feature Class, *ExFldExpPol*: It appears that some fields are missing entries, including 'EXP\_LWC'. Please complete all required fields with valid entries per Exhibit D Table 11. [31 TAC §361.33(c) & Exhibit C 2.2.A.2].
13. Existing Condition Flood Exposure GIS Feature Class, *ExFldExpPt*: Please ensure that the following critical facility types are included in the polygon feature class (*ExFldExpPol*) instead of the point feature class (*ExFldExpPt*): Schools, hospitals, and fire stations. Critical Infrastructure buildings should not be in the *ExFldExpPt* feature class. Please review and reconcile [31 TAC §361.33(c) & Exhibit C 2.2.A.2].
14. Existing Condition Flood Vulnerability GIS Feature Class, *ExFldExpAll*:
  - a. It appears that this feature class may not equal the sum of point, line, and polygon feature classes. Please ensure that total count of *ExFldExpAll* is the sum of *ExFldExpPt*, *ExFldExpLn*, and *ExFldExpPol* feature class counts [31 TAC §361.33(c), (d) & Exhibit C 2.2.A.2].
  - b. The Structure and Residential Structure counts in Table 3 do not appear to match the *ExFldExpAll* feature class counts. Please review and reconcile [31 TAC §361.33(c), (d) & Exhibit C 2.2.A.2].

SOW Task 2B

15. Future Condition Flood Hazard Analysis, Text: Please include total land areas (square miles) of each flood risk by flood risk type, county, region, and frequency as per guidance document (Exhibit C page 33): Submittal requirement number 3.
16. Future Condition Flood Risk Analyses, Text: Please include a reference to Exhibit C Table 5 in the text. As per guidance document (page 35): Once Task 2B Future Condition Flood Risk Analyses is complete, RFPs must include a summary table with findings summarizing flood risk by county (Exhibit C Table 5).
17. Future Condition Flood Exposure GIS Feature Class, *FutFldExpPol*: It appears that some fields are missing entries, including 'EXP\_LWC'. Please complete all required fields with valid entries per Exhibit D Table 16 [31 TAC §361.34(c); Exhibit D 3.6.2].
18. Future Condition Flood Exposure GIS Feature Class, *FutFldExpPt*: It appears that some fields are missing entries, including 'EXP\_LWC'. Please complete all required fields with valid entries per Exhibit D Table 18 [31 TAC §361.34(c); Exhibit D 3.6.2].
19. Future Condition Flood Vulnerability GIS Feature Class, *FutFldExpAll*: It appears that this feature class may not equal the sum of point, line, and polygon feature classes. Please ensure that count of *FutFldExpAll* is the sum of *FutFldExpPt*, *FutFldExpLn*, and *FutFldExpPol* feature class counts [31 TAC §361.34(c); Exhibit D 3.6.2].

SOW Task 3A

20. Existing Floodplain Management Practices GIS Feature Class, *ExFpMp*: ENTITY\_ID 07002741 appears to have an invalid entry of "no" in the MIN\_CODE field. Please revise to "No" as entries are case sensitive [31 TAC §361.35 & Exhibit C 2.3.A].

SOW Task 4B

21. Streams GIS Feature Class, *Streams*: Please ensure that all ID fields are entered correctly. For example, it appears that 'STREAM\_ID' uses an incorrect unique ID formatting and is missing a leading zero. Unique IDs must be accurate for the database to be utilized properly. Please refer to Exhibit D Table 2 or more recent updates for Unique ID guidance. Please reconcile [Exhibit D 3.9].
22. Flood Management Evaluations (FME) GIS Feature Class, *FME*: It appears that some fields are missing entries, including 'GOAL\_ID' and 'DESCR'. Please complete all required fields with valid entries per Exhibit D Table 23 [31 TAC §361.38(i) & Exhibit D 3.10].

SOW Task 5

23. Flood Management Evaluation (FME) Recommendations GIS Feature Class, *FME*: It appears that some fields are missing entries, including 'SOURCE' and 'DESCR'. Please complete all required fields with valid entries per Exhibit D Table 23 [31 TAC §361.38(i) & Exhibit D 3.10].
24. Flood Mitigation Project (FMP) Recommendations, Text: Each recommended FMP must be accompanied with an associated model or supporting documentation to show no negative impact. Please confirm that this was done and provide reference to supporting materials. As per the draft report (pages 175 and 176), each FMP description states, "The project was determined to have no negative impacts." For each recommended FMP, please identify in the plan how no negative impact was determined as required by the Exhibit C Section 3.6.A (page 108), either via a model or a study, and submit the associated model or include the study name.
25. Flood Mitigation Project (FMP) Recommendations Table (Exhibit C, Table 16): FMP\_ID 073000006 does not appear to include a BCR in Table 13, Table 16, FMP\_Details table, and the *FMP* feature class. Please populate the BCR field in Table 13, Table 16, and FMP Details table, and populate the 'BC\_RATIO' field in the *FMP* feature class as required [31 TAC §361.38(h)(8) & Exhibit D 3.11].
26. Flood Mitigation Project (FMP) Recommendations GIS Feature Class, *FMP*: FMP\_ID 073000006 does not appear to include a BCR in Table 13, Table 16, FMP\_Details table, and the *FMP* feature class. Please populate the BCR field Table 13, Table 16, and FMP Details table, and populate the 'BC\_RATIO' field in the *FMP* feature class as required [31 TAC §361.38(h)(8) & Exhibit D 3.11].
27. Flood Management Strategy (FMS) Recommendations GIS Feature Class, *FMS*: It appears that some fields are missing entries, including 'GOAL\_ID'. Please complete all required fields with valid entries per Exhibit D Table 26 [31 TAC §361.39 & Exhibit D 3.10].

SOW Task 7

28. Flood Response Information and Activities, Text: Please include a general, written summary of actions taken or planned for to support recovery from past flood disasters in the region [31 TAC §361.42 & Exhibit C 2.7].

SOW Task 9

29. Flood Infrastructure Financing Analysis Table (Exhibit C, Table 19): Several entries for the Estimated Construction Cost field appear to be blank, however, it also does not appear that these are associated with FMEs, FMSs, or FMPs that include capital construction costs. Please review and populate these fields with "0" as appropriate [§361.44 & Exhibit C 2.9].

**Level 2: Comments and suggestions for consideration that may improve the readability and overall understanding of the regional flood plan.**

General Comments

30. Please consider adding 'bookmarks' within the PDF regional flood plan report.
31. Please consider adding a layer to relevant GIS maps throughout the plan that delineate the two smaller "regions" of the RFPG - i.e., the Llano Estacado vs Rolling Plains Region (On the caprock vs off the caprock). Some maps may benefit from a layer similar to this to show the differences between these two specific areas that are referenced within the plan.
32. Please consider reviewing maps, as necessary, to ensure that all relevant layers being shown are included as part of the legend. Some maps appear to show layers that may not be also referenced on the legend making it difficult to know what is being shown.
33. Please consider reviewing maps, as appropriate, that rely on a single color or single-color gradient for legibility and clarity. An example is FIGURE 4-4. It is unclear as to what the shading signifies across the region and whether darker shading means a higher density or lower. Please consider adding ranks to the legend for clarity.
34. To better align with our agency's preferred nomenclature, please consider using the name, "Cursory Floodplain Data" instead of "Fathom" or "Cursory Fathom Data" throughout the regional flood plan.

Executive Summary

35. Please consider reviewing, as appropriate, certain key dates included throughout the plan for accuracy. For example, the date of the establishment of the RFPG by TWDB on page 25: "Region 7 RFPG was established by the TWDB on October 29, 2020, to manage the flood planning efforts for the basin." While this date may have been the first meeting of the RFPG, October 1, 2020, was technically the date the RFPG was established by Board action along with the other 14 RFPGs.

SOW Task 1

36. Watersheds GIS Feature Class, *Watersheds*:
- a. When creating the *FME*, *FMP*, and *FMS* feature classes be sure to include watersheds identified in the strategies as part of the *Watersheds* feature class.
  - b. Please ensure 'WS\_NAME' is populated with the correct name of the watershed. There are some cases (e.g., WD\_IDs 07000450, 07000467) where the HU12 number is provided instead of the watershed name as stated in Exhibit D Section 3.2 Table 4.
37. Existing Flood Infrastructure Text (Exhibit C, Section 2.1): Please provide a description of how Low Water Crossings were identified within the text of Chapter 1.

38. Existing Flood Infrastructure GIS Feature Class, *ExFldInfraPol*:
- Please consider updating entry names within the GIS feature class from "TX ####" to "Unnamed [infra type]".
  - Please review the GIS feature class submission for coded value domain errors and reconcile as necessary.
39. Existing Flood Projects, Text:
- Please consider adding a section title/header to the existing projects section of Chapter 1.
  - For clarity, please consider referencing, within the text of the plan document, the location of Map 2 in Appendix A as well as all other maps associated with existing projects that are discussed in the plan.

#### SOW Task 2A

40. Existing Condition Flood Hazards Map (Exhibit C, Map 4): Please consider adding distinct map names for the two Map 4 PDFs included in the submission (e.g., Ex. Flood Risk Type or Flood Frequency).
41. Existing Condition Flood Hazard Exposure Table (Exhibit C, Table 3): Please consider reviewing the data included in Table 3 as it appears the totals may be cumulative (effectively double counting) between existing and future conditions.
42. Existing Condition Flood Hazard Exposure GIS Feature Class, *ExFldExpPt*: There are some locations where road segments intersect with streams within the hazard extent (e.g., STREAM\_ID 70081658 at TXDOT\_Road\_Inventory ObjectID 333682) which may indicate a Low Water Crossing. Please consider reviewing and adding those points as appropriate.
43. Existing Condition Flood Exposure GIS Feature Class, *ExFldExpPol*: The agricultural coverage layers appear to have irregular triangle and rectangular features that may be a result of the conversion of a raster to polygon. Please consider reviewing and revising.
44. Existing Condition Flood Vulnerability, Text: Please consider providing further descriptions on how vulnerability was assessed. Consider providing more details about if proximity to a floodplain, proximity to other bodies of water, past flooding issues, emergency management plans, and location of critical systems like primary and back-up power were assessed.
45. Existing Condition Flood Vulnerability GIS Feature Class, *ExFldExpAll*: Please consider reclassifying features with entries of "Other" for the 'EXP\_TYPE' field. For example, some features with 'CRIT\_TYPE' as "Fire" or "School" may be better categorized as "Public Bldg" for the 'EXP\_TYPE' field.
46. Existing Condition Flood Vulnerability Map (Exhibit C, Map 7):
- Please consider changing label from "High SVI Area" to "High SVI Structure" or add description of what the point feature class contains in the footnote below the legend.
  - Please consider adding a separate point symbology class for LWCs.

#### SOW Task 2B

47. Future Condition Flood Vulnerability, Text: Please consider providing further descriptions on how vulnerability was assessed. Consider providing more details about if proximity to a floodplain, proximity to other bodies of water, past flooding issues, emergency management plans, and location of critical systems like primary and back-up power were assessed.

48. Future Condition Flood Hazard Map (Exhibit C, Map 8): Please consider adding distinct map titles for the two Map 8 PDFs included in the submission (e.g., Flood Risk Type or Flood Frequency).
49. Future Condition Flood Exposure, Text: Please consider providing more detail about how the future conditions summary of buildings, roadways crossings, length of roadway segments, agricultural land and other identified items that are located within the flood hazard area identified in the future condition flood hazard analysis.
50. Existing Flood Exposure GIS Feature Class, *FutFldExpPol*: The agricultural coverage layers appear to have missing rectangular features that may be a result of the conversion of a raster to polygon. Please consider reviewing and revising, as appropriate to meet the requirements as stated in §361.33(c).

#### SOW Task 3A

51. Existing Floodplain Management Practices, Text: Please consider expanding upon the information provided in the Table 6 as part of Chapter 3.
52. Existing Floodplain Management Practices Table (Exhibit C, Table 6 and GIS Table *ExFpMp*): It is not clear that all entities included in Table 6 have floodplain management authority. Please review to confirm list. [31 TAC §361.35 & Exhibit C 2.3.A].

#### SOW Task 3B

53. Goals, Text: Please consider expanding upon Chapter 3B text related to the goals selected by the Regional Flood Planning Group.

#### SOW Task 4A

54. Greatest Gaps Map (Exhibit C, Map 14): Please provide further description in the legend to describe what is the highest gap and the lowest. Consider making a "note" or description on the map.
55. Greatest Risk Map (Exhibit C, Map 15): Please provide further description in the legend to describe what is the highest gap and the lowest. Consider making a "note" or description on the map.

#### SOW Task 4B

56. Streams GIS Feature Class, *Streams*: It appears that some streams included in identified FMEs are not included in the *Streams* feature class. For example, FME\_IDs 07100029, 07100023, and 07100094. Please review and consider including relevant streams.
57. Flood Management Evaluations (FME), Text: Please verify that identified FMEs do not duplicate effort of TWDB-funded FIF Category 1 studies and state how the FME will expand on and/or utilize the existing study. For example, FIF ID 40065 (Lubbock - Flood Protection Planning for Watersheds) appear to overlap with listed several FMEs including FME\_IDs 07100022 and 07100065.
58. Flood Management Evaluations (FME) Table (Exhibit C, Table 12): Please verify that identified FMEs do not duplicate effort of TWDB-funded, FIF Category 1 studies and state how the FME will expand on and/or utilize the existing study. For example, FIF ID 40065 (Lubbock - Flood Protection Planning for Watersheds) appear to overlap with listed several FMEs including FME\_IDs 07100022 and 07100065.



59. Flood Management Evaluations (FME) GIS Feature Class, *FME*: For county-wide FMEs where a majority of the county falls outside of the RFPG boundary, please include justification how the FME benefits the region and please coordinate with other RFPGs to make sure the efforts are not duplicated.
60. Flood Management Strategies (FMS), Text: Please ensure FMSs are categorized correctly to only include non-recurring, non-capital cost. Please consider reviewing certain; FMSs that include Flood Measurement and Warning Systems and Infrastructure Projects to ensure they should not be categorized as FMPs or FMEs.
61. Flood Management Strategies (FMS) Map (Exhibit C, Map 18): Please consider revising map to show FMS extents more clearly.

#### SOW Task 5

62. Flood Management Evaluation (FME) Recommendations, Text: Please verify that identified FMEs do not duplicate effort of TWDB-funded, FIF Category 1 studies and state how the FME will expand on and/or utilize the existing study. For example, FIF ID 40065 (Lubbock - Flood Protection Planning for Watersheds) appear to overlap with listed several FMEs including FME\_IDs 07100022 and 07100065.
63. Flood Management Evaluation (FME) Recommendations Table (Exhibit C, Table 15): Please verify that identified FMEs do not duplicate effort of TWDB-funded, FIF Category 1 studies and state how the FME will expand on and/or utilize the existing study. For example, FIF ID 40065 (Lubbock - Flood Protection Planning for Watersheds) appear to overlap with listed several FMEs including FME\_IDs 07100022 and 07100065.
64. Flood Management Evaluation (FME) Recommendations Table (Exhibit C Table 15): Several recommended FMEs which are at the regional scale appear to be better classified as Flood Management Strategies (FMS). For example, FME\_IDs 131000173-131000179. Please review to determine if reclassification is warranted. Please ensure any changes made are reflected across all related deliverables.
65. Flood Management Evaluation (FME) Recommendations Map (Exhibit C, Map 19): It appears difficult to determine the specific extents of the FMEs in Map 19. Please consider, for example, modifying the color scheme for this map or providing outlines for each FME.
66. Flood Mitigation Project (FMP) Recommendations Map (Exhibit C, Map 20): It appears difficult to determine the location of the recommended FMPs in Map 20. Please consider, for example, modifying the color scheme for this map or specifying FMP locations more clearly.
67. Flood Mitigation Project (FMP) Details Geodatabase, *FMP\_Details*: Please review and consider populating as many fields as possible.
68. Flood Management Strategy (FMS) Recommendations, Text: Please ensure FMSs are categorized correctly to only include non-recurring, non-capital cost. Please consider reviewing certain FMSs that include Flood Measurement and Warning Systems and Infrastructure Projects to ensure they should not be a categorized as FMPs or FMEs.
69. Flood Management Strategy (FMS) Recommendations Map (Exhibit C, Map 21): It appears difficult to determine the extents of the specific FMSs in Map 21. Please consider, for example, modifying the color scheme for this map or providing outlines for each FMS.

FINAL JANUARY 10, 2023

## **APPENDIX D – PUBLIC COMMENT**

2 TPWD UPPER BRAZOS RFP COMMENT LETTER

October 27, 2022



Life's better outside.®

Michael Keenum, Chair  
Upper Brazos Regional Flood Planning Region  
c/o South Plains Association of Governments  
1323 58<sup>th</sup> Street  
Lubbock, Texas 79412

Re: 2023 Draft Upper Brazos Regional Flood Plan

Commissioners

Arch "Beaver" Aplin, III  
Chairman  
Lake Jackson

Dick Scott  
Vice-Chairman  
Wimberley

James E. Abell  
Kilgore

Oliver J. Bell  
Cleveland

Paul L. Foster  
El Paso

Anna B. Gaio  
Laredo

Jeffery D. Hildebrand  
Houston

Robert L. "Bobby" Patton, Jr.  
Fort Worth

Travis B. "Blake" Rowling  
Dallas

Lee M. Bass  
Chairman-Emeritus  
Fort Worth

T. Dan Friedkin  
Chairman-Emeritus  
Houston

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Carter P. Smith  
Executive Director

Chair Keenum:

In 2019 Senate Bills 7 and 8 established a regional and state flood planning process for Texas, aimed at better managing flood risk to reduce loss of life and property. As part of the process, Texas Parks and Wildlife Department (TPWD) was identified as a member of the regional flood planning groups (Texas Water Code Sec. 16.062). The mission of TPWD is to manage and conserve the natural and cultural resources of Texas and its ability to provide opportunities of hunting, fishing, and outdoor recreation for the use and enjoyment of present and future generations. TPWD values this opportunity to contribute to the flood planning process with the goal of enhancing flood risk management and achieving beneficial flood mitigation outcomes. Toward this effort TPWD members serve a dual role of supporting the voting membership in development of the plans and representing the natural resource interests of the state.

TPWD applauds the Upper Brazos Regional Flood Planning Group for their efforts in completing the inaugural regional flood plan (RFP) especially considering the abbreviated timeline. Through the exceptional efforts of the RFPG, this plan will be a meaningful tool for reducing flood impacts to society, especially in those disastrous events that cause loss of life and injury. Because this represents the initial region-wide plan, it has the potential to be precedent setting for subsequent iterations. As such, it is important this plan recognizes the role nature and nature-based solutions can play in flood risk management and promotes opportunities to protect, enhance and restore the flood mitigation benefits provided by natural landforms.

TPWD is supportive of the planning process outlined by the Texas Water Development Board (TWDB) because it aims to achieve an integrative flood risk management (FRM) approach that prioritizes risk reduction through implementation of floodplain management, land use regulations, policy, and a balanced use of grey and natural and nature-based (NNBS) flood mitigation measures that are formed by inclusive participation at all levels of society. TPWD believes this integrative approach when implemented holistically will achieve the maximum benefits for society and natural ecosystems while minimizing environmental impacts. Recent published works on FRM and NNBS (Bridges et al 2021, Glick et al 2020, World Wildlife Fund 2016, Sayers et al 2013) support TWDB integrative flood management approach and provide extensive resources for flood planners.

In the interest of achieving the state's flood risk management goals while protecting the state's fish and wildlife resources, TPWD reviewed regional flood plans based on the TWDB guidance principals as described in 31 Texas Administrative Code Chapters 361 and 362. Special focus was provided on the following subset of guidance principals due to its relevance to fish and wildlife management.

- Does the draft flood plan use the best available science, data, models, and flood risk mapping?
- Does the draft flood plan consider the potential upstream and downstream effects, including environmental, of potential flood management strategies (and associated projects) of neighboring areas?
- Does the draft flood plan include strategies and projects that provide for a balance of structural and non-structural flood mitigation measures, including projects that use nature-based features that lead to long-term mitigation of flood risk?
- Does the draft flood plan consider natural systems and beneficial functions of floodplains, including flood peak attenuation and ecosystem services?
- Does the draft flood plan encourage flood mitigation design approaches that work with, rather than against, natural patterns and conditions of floodplains?
- Does the draft flood plan seek to not cause long-term impairment to the designated water quality as shown in the state water quality management plan as a result of a recommended flood management strategy or project?
- Does the draft flood plan consider benefits of flood management strategies to water quality, fish and wildlife, ecosystem function, and recreation, as appropriate?
- Does the draft flood plan minimize adverse environmental impacts and be in accordance with adopted environmental flow standards?
- Does the draft flood plan consider multi-use opportunities such as green space, parks, water quality, or recreation, portions of which could be funded, constructed, and or maintained by additional, third-party project participants?

Additionally, TPWD emphasizes that the following FRM concepts identified in the forementioned literature be incorporated into the RFP.

- Flood is a natural process that has many benefits to human and natural systems.
- Promoting some flooding as desirable and making room for water promotes native species, maintains vital ecosystem services, and reduces the chance of flooding elsewhere.
- Natural landscapes and watersheds provide flood mitigation functions that should be promoted, protected, enhanced, and restored.
- Prioritize risk reduction over flood control by focusing first on reducing loss of life and injury.
- Utilize limited resources fairly.
- Address flood risk using a portfolio approach to first implement non-structural (policy, land management, emergency management) followed by structural (grey and natural and nature-based) strategies.
- Criteria for assessing projects strategies should include a comprehensive suite of measures spanning economical, operational, societal, and environmental



- advantages and disadvantages. Assessments focusing on economics alone (number of buildings, acres) should be avoided.

## Upper Brazos Regional Flood Plan Comments

TPWD supports prioritizing data collection for areas in Region 7 that currently do not have data or have old data regarding flood risk. Reviewing existing data, updating current data, and collecting new data about flood risk and flood prone areas in Region 7 enhances the ability to reduce loss of life and damage to infrastructure by floods in future planning cycles (Task 1).

TPWD is the state agency with the primary responsibility for protection of the state's fish and wildlife resources and providing information and recommendations to local, state, and federal agencies and other organizations (Parks and Wildlife Code (PWC) §12.0011). The Upper Brazos Flood Planning Region incorporates the critical habitat (79 Federal Register (FR) 45241) for the endangered (79 FR 45273) Smalleye Shiner *Notropis buccula* and Sharpnose Shiner *Notropis oxyrhynchus* (FWS-R2-ES-2013-008). Both fish are broadcast spawners and require unobstructed, wide, flowing river segments lengths of greater than 275 km to support development of their early life stages (Fish and Wildlife Service, 2020). The critical habitat designation in the region provides information about the species and what is required for them to survive. Freshwater mussels are another species that are impacted from stream bed modifications. TPWD works with agencies and consultants across the state on construction projects impacting bed and banks to reduce impacts to Texas' unique freshwater mussel species. The Brazos Basin includes two species that are currently under review for federal listing, and one is located within the regional flood planning group's boundaries, the Texas Fawnsfoot *Truncilla macrodon*. TPWD looks forward to working with project sponsors within the critical habitat from project concept to finish. Working together from the start of a project allows for discussions and shorter timeline for project completion.

The Texas Conservation Action Plan Handbook (TCAP; Texas Parks and Wildlife Department, 2012) provides guidance for conservation in the state of Texas, with the goals of realizing conservation benefits, preventing species listings, and preserving our natural heritage for future generations. The TCAP focuses on Species of Greatest Conservation Need (SGCN) that include numerous aquatic species such as fish, freshwater mussels, and salamanders. The TCAP handbook includes six types of priority habitats, three of which are aquatic: water resources; riparian and floodplains; and caves and karst. Issues affecting these environments include environmental flows, impoundments and dam operations, and water quality issues (including stormwater runoff).

In Task 1, Natural Features (Page 65) are described as, "...rivers, tributaries, reservoirs/lakes, wetlands, and playas[.]" TPWD would like to request the RFPG add springs to the list of natural features for the Upper Brazos Regional Flood Planning area as springs are located throughout Region 7. Springs provide base flow for our rivers and tributaries, have historical use, provide recreational opportunities, and contain species unique to Texas.

TPWD believes that wetlands play an important role in flood mitigation, water quality, and recharge to aquifers (Task 1, Natural Features, page 67). As mentioned in the draft



plan, wetlands make up the largest amount of area for flood infrastructure in the region. The draft plan states, "...the wetlands have a minor role in mitigating flood risk and providing flood protection in Region 7." The Environmental Protection Agency states that the holding capacity of wetlands helps control flood and prevents water logging of crops and that preservation of wetlands provides water retention that can reduce or replace costly dredge operations and levees (EPA 2022). TPWD recommends that the draft plan state that wetlands provide a major role in mitigating flood risk and providing flood protection for the region (Task 1, Natural Features - Wetlands, page 67).

TPWD supports and agrees that playas are one of the most significant ecological features in the Texas High Plains (Task 1, Natural Features, Playas, pages 66-67). TPWD supports the restoration of deficient playas and the collaborative work with the Texas Playa Conservation Initiative (Task 1, pages 72-73), landowners, and state and local agencies. Continued restoration and preservation of playas provides flood mitigation as well as wildlife habitat and supports aquifer recharge. The Playa Lakes Wildlife Management Area (WMA) Dimmit Unit is in Castro County and includes 345 acres of farmland that has been planted with native grass and a 77-acre playa basin. The WMA was purchased in 1990 for the purpose of developing an area where soil, water, and wildlife conservation practices are implemented.

The RFP identified 3 Flood Management Projects (FMPs), 266 potentially feasible Flood Management Evaluations (FMEs), and 63 potentially feasible Flood Management Strategies (FMSs). TPWD understands that the goal of the RFP is to mitigate floods to reduce risk to life and property and encourages the use of nature-based solutions, such as the Bovia Buyout Program and the use of playas to assist with flood mitigation. The Draft RFP states that none of the projects or strategies are anticipated to have negative effects.

TPWD would like to encourage all the proposed Flood Management Evaluations, Plans, and Strategies proponents to consider stream crossing designs that allow for sediment transport and passage of aquatic organisms and do not impound water. Basically, designs that are invisible to the creek. This includes bridges that span the creek where possible or culverted crossings designed with the culvert(s) in the active channel area lower than those in the floodplain benches so that the flow in the channel is not overly spread out. The central/low-flow culvert(s) should be large enough to handle a 1.5 year flow without backing up water. The bottoms of these lower culverts should be set at least a foot below grade (i.e. recessed) to allow natural substrate to cover the culvert bottom and to allow for aquatic organism passage. These lower, recessed culverts should be installed in the thalweg or deepest part of the channel and be aligned with the low flow channel (Clarkin et al., 2006).

Dams are one of the most abundant constructed flood infrastructure features in Region 7, and have many uses including water storage for municipal utilities, industrial use, agricultural use (including irrigation), recreational use, and flood risk mitigation (Task 1, Dams, page 68). Task 1 also discusses dam safety assessments and that the dams in Texas overall scored a D+ by the American Society of Professional Engineers in the 2021 Infrastructure Report Card (ASCE 2021). The Draft Region 7 plan recommends more information be gathered about the known functionality of the 230 dams within the region, including 23 flood control dams classified as high hazard (Task 1, Reason for

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Functionality and Deficiency, page 72). TPWD supports this recommendation as it relates to dam functionality and safety, and supports the flood risk reduction projects focused on dam functionality and safety (E.g. FMS 07200145 and 072000160). In 2015, the Texas Commission on Environmental Quality (TCEQ) performed a dam inspection of Abilene Dam at Lake Abilene. The TCEQ inspection report recommends repairs and maintenance of the dam which could be added to flood risk reduction projects ensuring the protection of human life and infrastructure as well as providing potential funding assistance for repairs and maintenance from flood planning funds. TPWD operates Abilene State Park immediately below the Abilene Dam making park visitor safety and infrastructure impacts from floods a top priority for TPWD operations. TPWD looks forward to working with the City of Abilene to ensure maintenance and dam safety of Abilene Dam continues to progress.

TPWD would like to add data about Abilene State Park and impacts that occur during high flow events to the RFP. The state park experiences consistent historical road closures during times of flooding. For example, in 2016, Park Road 32 near the entrance of Abilene State Park was washed out when water from the emergency spillway flowed down the tributary and across the road. In 2018, FM 89 and Park Road 32 were closed after heavy rain and releases from the spillway overtopped the roads. The emergency exit for the park is near the spillway and has almost flooded during past events. We look forward to working with Region 7 to provide more detailed information regarding flood infrastructure and human safety needs for Abilene State Park.

We reviewed the Flood Management Evaluation (Appendix C, page 146 of 277) for the "City of Abilene Operations of Lake Abilene" (FMP ID 073000003) that is described in Appendix C as, "Increase available flood storage in the reservoir." TPWD would like to learn more about this project and looks forward to working collaboratively with the City of Abilene on this project.

TPWD supports FMS 072000004, the City of Abilene Gauge Program to install automated creek rain gauges. Stream gauge systems provide vital information about stream flows and water level increases earlier improving response time for evacuations for the county, city, and the state park.

In Region 7, three counties lead as oil and gas producers (Task 1, page 59) and seven other counties have significant production totaling ~37.2M bbl (billion barrels of petroleum oil) and 52.8 M mcf (thousand cubic feet of gas) in 2020 (Table 1-4). The draft plan mentions oil and gas concerns include the type of pipes used to transport oil and gas products, and the unknown base flood elevations in much of the region that may impact electrical components (Task 2, page 96). TPWD would like the RFPG to include compliance with required maintenance and safety regulations for oil and gas operations and storage facilities in the RFP. The safety and maintenance regulations are important preventative measures that reduce the likelihood of a spill or release event. For example, berms around storage facilities and the maintenance of the buried pipelines (along with other long-term maintenance for all oil and gas structures) are put in place so spills are quickly contained. The Lake Alan Henry contamination occurred after a flooding event in an area where the oil pipeline crossed an ephemeral portion of the river and was left uncovered and unprotected (Task 2, Page 96;

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<https://www.lubbockonline.com/story/news/local/2010/07/07/oil-spill-river-closes-lake-alan-henry/15269671007/>).

TPWD has two properties in Region 7, Abilene State Park in Taylor County and Playa Lakes Wildlife Management Area – Dimmit Unit in Castro County. TPWD will be adding flood related information for these properties to the Region 7 GIS quilt. TPWD has a GIS data layer containing all the TPWD properties which is available to the Regions .

In addition to the comments above, TPWD would also like to offer the following edits on the draft plan:

- Executive Summary, page 27 – Reword the last sentence for clarity.
- Task 8, Administrative Recommendations, 1)a) – remove “has” after “city” and before “may”

Thank you for your consideration of these comments. TPWD looks forward to continuing to work with the planning group to develop flood plans that protect life and property but are also beneficial to the environment. Please contact Marty Kelly at (512) 389 – 8214 or at [Marty.Kelly@TPWD.Texas.gov](mailto:Marty.Kelly@TPWD.Texas.gov) or Jennifer Bronson Warren at (254) 867 – 7986 or at [jennifer.bronson-warren@TPWD.Texas.gov](mailto:jennifer.bronson-warren@TPWD.Texas.gov) if you have any questions or comments.

Sincerely,

A handwritten signature in black ink that reads "Marty Kelly". The signature is written in a cursive, flowing style with a long horizontal stroke extending to the right.

Marty Kelly

MK:jbw

## References

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FINAL JANUARY 10, 2023

## **APPENDIX D – PUBLIC COMMENT**

3 USACE RFP COMMENTS



**RFPG Comments Regarding Legislative Recommendations, Regulatory and Administrative Recommendations and State Flood Planning Recommendations**

Name	Flood Plan Recommendations	Comments
<b>Jerry Cotter</b>	<b>Table 8.1 Legislative</b>	
	<p>Non regulatory regional flood control or drainage districts should be established and funded for rapidly growing urban areas such as DFW, Houston, San Antonio, etc. Responsibility would be to provide consistency, technical resources, funding and reviews in support of FME's, FMS's. These organizations would also implement or support implementation of FMP's. These organizations would augment communities and counties that just don't have the resources and expertise to manage flooding.</p>	<p>Rapidly developing areas surrounding larger urban centers are at greater risk of having runoff patterns increasing because of development. These urban areas are comprised of many communities and unincorporated county areas. Many of the smaller communities are not funded or resourced to deal with the complexities of floodplain management and therefore there is a lack of or inconsistencies in floodplain management practices.</p>
	<p>Clarify the early 2000's state legislation that provide counties the authority to regulate floodplains to explicitly allow and encourage activities associated with floodplain management such as development of land use plans, regulatory authorities, e.g. permitting.</p>	<p>Although state legislation was passed in the early 2000's which gave counties the ability to regulate floodplains, interpretation of these regulations varies widely from county to county. The legislative bill lacks implementation guidance in the form of administrative rules. If development is occurring in unincorporated areas, this development can dynamically impact flood risk.</p>

**RFPG Comments Regarding Legislative Recommendations, Regulatory and Administrative Recommendations and State Flood Planning Recommendations**

Name	Flood Plan Recommendations	Comments
<b>Jerry Cotter</b>	<b>Table 8.2 Regulatory</b>	
	<p>Require the use of n-values and channel conditions which would likely result if the channel or project were not maintained. Exceptions would be golf courses or other areas where an organization exists which would maintain the channel in perpetuity. Disallow maintenance by marginal organizations such as home owners associations to justify acceptance of lower n-values as this is an unrealistic expectation.</p>	<p>When channels are constructed, most often channel bed, banks and overbanks are cleared; however; with many miles of these channels, it is often difficult for communities to maintain those beds, banks and overbanks at their design conditions. Generally, there is a lack of channel maintenance to ensure flood conveyance areas, established as part of a development or improvement projects, to retain their design level n-values. This results in unexpected changes in channel conveyance and increased flooding. Channel maintenance is very expensive activity that can trigger environmental permitting requirements.</p>
	<p>No loss of valley storage to the 500-year level. Communities could allow redistribution of valley storage to allow interactions with natural areas but no loss of storage.</p>	<p>Land development in upstream areas increases runoff in downstream areas. This happens because of increased impervious cover and decreased tree cover, and therefore less ability to absorb rainfall. Additionally, development, in most communities, encroaches into riparian areas and decreases the amount of storage available to accommodate flood waters. Just the main thread of the Trinity River though DFW stores more flood waters during of flood than any three of the USACE reservoirs that provide flood protection for DFW. The many other stream provide even more storage than the main stem. There is limited capacity in rivers and streams to convey floodwaters. This means that all areas above any given conveyance point have to store flood water until sufficient time has lapsed to pass the water away from the impacted area. The streams are where this water is stored and depleting these storage areas will impact DS areas.</p>
	<p>Establish future land use plans for unincorporated areas associated with rapidly growing urban areas.</p>	<p>"</p>
	<p>Use of ultimate development land use conditions in the development of future flows. Require use of future flows for regulation of floodplains and development of FMP's.</p>	<p>"</p>

RFPG Comments Regarding Legislative Recommendations, Regulatory and Administrative Recommendations and State Flood Planning Recommendations		
Name	Flood Plan Recommendations	Comments
Jerry Cotter	<b>Table 8.3 State Flood Planning Recommendations</b>	
	None	
	Potential FMS	
	Encourage storm shifting to validate 100-yr estimates and to provide a broader understanding of communities actual flood risk Storms identified and cataloged as part of the GLO funded USACE led Texas Storm Study could be the primary source of storms to be shifted.	Notes: Great deal of uncertainty in 100-yr estimates. Use of observed storms that approximately match depth duration data from NOAA Atlas 14 or other precipitation frequency sources validates 100-yr estimates. Additionally wet, dry and average conditions as well as conditions at the time the storm occurred can be presented. Additionally, communities have and can experience storms that exceed the 100-yr. While not regulatory, this information will provide additional hazard mitigation data so communities can address critical infrastructure impacts and be better prepared.
	Add detail to Watershed Hydrology Assessments (WHA) for communities within basins with completed WHA's. The WHA for the Trinity has been completed.	The WHA's, funded by FEMA, are considered the best available flood flow frequency estimates, e.g. 100-yr. These estimates consider the latest precipitation frequencies, the variations in watershed response and determine critical flood drivers by employing a wide range of sensitivity analysis for each computation point.
	Update WHA's when future precipitation frequency estimates become available. Efforts to develop future precipitation frequency estimates for Texas are starting.	
	Establish regional efforts, for large urban centers to develop future land use data for all developing areas, not just incorporated areas, for use in developing future flood flow frequency estimates and future 100-yr (and other recurrence interval) hazard boundaries.	

FINAL JANUARY 10, 2023

## **APPENDIX D – PUBLIC COMMENT**

4 DRAFT PLAN COMMENT RESPONSE LOG

Task	Comment By	TWDB #	Comment	Revision	Response or Revision
General	TWDB	1	Please ensure that all "Submittal requirements" identified in each of the Exhibit C Guidance document sections are submitted in the final flood plan.	Yes	Final Plan has received a QC against the Exhibit C Submittal Guidance.
General	TWDB	2	Please ensure that all the prior TWDB comments on the region's Technical Memorandum are addressed in the final plan submission. It appears that many of the same issues remain unaddressed in the draft plan submission. An example of this includes Unique ID errors throughout Feature Classes and Tables within the draft submission.	Yes	Tech Memo comments included in this log.
T01	TWDB	3	Planning Area Description, Text: Table 1-9 (page 64) lists "0" emergency service facilities at risk. However, Figure 1-15 (page 64) indicates multiple red dots depicting emergency services that appear to be at risk. Please reconcile.	Yes	Tables have been reconciled with latest GIS updates.
T01	TWDB	4	Existing Flood Infrastructure GIS Feature Class, <i>ExFldInfraPt</i> : Please inc	Yes	GIS datasets were reviewed and reconciled.
T01	TWDB	5	Existing Flood Infrastructure GIS Feature Class, <i>ExFldInfraPol</i> : It appears that some fields contain invalid 'NULL' entries, including 'NAT_BUILT'. Please complete all required fields with valid entries per Exhibit D Table 5 [31 TAC §361.31 & Exhibit D 3.3].	Yes	GIS datasets were reviewed and reconciled.
T01	TWDB	6	Existing Flood Infrastructure GIS Feature Class, <i>ExFldInfraLn</i> : It appears that some fields contain invalid 'NULL' entries, including 'NAT_BUILT' and 'DEF_DESCR'. Please complete all required fields with valid entries per Exhibit D Table 5 [31 TAC §361.31 & Exhibit D 3.3].	Yes	GIS datasets were reviewed and reconciled.
T01	TWDB	7	Existing Flood Projects, Text: Please include the expected year of completion for existing projects in Table 1-14, or reference where this can be found in Exhibit C Table 2 [31 TAC§361.32].	Yes	Added additional information to report tables.
T02A	TWDB	9	Existing Condition Flood Hazard Analysis, Text: Please include total land areas (square miles) of each flood risk by flood risk type, county, region, and frequency as per guidance document (Exhibit C page 24): Submittal requirement number 2.	Yes	Added additional information to report tables.
T02A	TWDB	10	Existing Condition Flood Risk Analyses, Text: Please include a reference to Exhibit C Table 3 in the text as per guidance document (Exhibit C page 27): Once Task 2A Existing Condition Flood Risk Analyses is complete, RFPs must include a summary table with findings summarizing flood risk by county (Exhibit C Table 3).	Yes	Reference added to report
T02A	TWDB	11	Existing Condition Flood Exposure Table (Exhibit C, Table 3): The Structure and Residential Structure counts in Table 3 do not appear to match the <i>ExFldExpAll</i> feature class counts. Please review and reconcile [31 TAC §361.33 & Exhibit C 2.2.A.3].	Yes	Datasets were reviewed and reconciled.
T02A	TWDB	12	Existing Condition Flood Exposure GIS Feature Class, <i>ExFldExpPol</i> : It appears that some fields are missing entries, including 'EXP_LWC'. Please complete all required fields with valid entries per Exhibit D Table 11. [31 TAC §361.33(c) & Exhibit C 2.2.A.2].	Yes	Datasets were reviewed and reconciled.



Task	Comment By	TWDB #	Comment	Revision	Response or Revision
T02A	TWDB	13	Existing Condition Flood Exposure GIS Feature Class, <i>ExFldExpPt</i> : Please ensure that the following critical facility types are included in the polygon feature class ( <i>ExFldExpPol</i> ) instead of the point feature class ( <i>ExFldExpPt</i> ): Schools, hospitals, and fire stations. Critical Infrastructure buildings should not be in the <i>ExFldExpPt</i> feature class. Please review and reconcile [31 TAC §361.33(c) & Exhibit C 2.2.A.21]	Yes	Datasets were reviewed and reconciled.
T02B	TWDB	15	Future Condition Flood Hazard Analysis, Text: Please include total land areas (square miles) of each flood risk by flood risk type, county, region, and frequency as per guidance document (Exhibit C page 33): Submittal requirement number 3.	Yes	Added additional information to report tables.
T02B	TWDB	16	Future Condition Flood Risk Analyses, Text: Please include a reference to Exhibit C Table 5 in the text. As per guidance document (page 35): Once Task 2B Future Condition Flood Risk Analyses is complete, RFPs must include a summary table with findings summarizing flood risk by county (Exhibit C Table 5).	Yes	Reference added to report
T02B	TWDB	17	Future Condition Flood Exposure GIS Feature Class, <i>FutFldExpPol</i> : It appears that some fields are missing entries, including 'EXP_LWC'. Please complete all required fields with valid entries per Exhibit D Table 16 [31 TAC §361.34(c); Exhibit D 3.6.2].	Yes	Datasets were reviewed and reconciled.
T02B	TWDB	18	Future Condition Flood Exposure GIS Feature Class, <i>FutFldExpPt</i> : It appears that some fields are missing entries, including 'EXP_LWC'. Please complete all required fields with valid entries per Exhibit D Table 18 [31 TAC §361.34(c); Exhibit D 3.6.2].	Yes	Datasets were reviewed and reconciled.
T02B	TWDB	19	Future Condition Flood Vulnerability GIS Feature Class, <i>FutFldExpAll</i> : It appears that this feature class may not equal the sum of point, line, and polygon feature classes. Please ensure that count of <i>FutFldExpAll</i> is the sum of <i>FutFldExpPt</i> , <i>FutFldExpLn</i> , and <i>FutFldExpPol</i> feature class counts [31 TAC §361.34(c); Exhibit D 3.6.2].	Yes	Datasets were reviewed and reconciled.
T03A	TWDB	20	Existing Floodplain Management Practices GIS Feature Class, <i>ExFpMp</i> : ENTITY_ID 07002741 appears to have an invalid entry of "no" in the MIN_CODE field. Please revise to "No" as entries are case sensitive [31 TAC §361.35 & Exhibit C 2.3.A].	Yes	Datasets were reviewed and reconciled.
T04B	TWDB	21	Streams GIS Feature Class, <i>Streams</i> : Please ensure that all ID fields are entered correctly. For example, it appears that 'STREAM_ID' uses an incorrect unique ID formatting and is missing a leading zero. Unique IDs must be accurate for the database to be utilized properly. Please refer to Exhibit D Table 2 or more recent updates for Unique ID guidance. Please reconcile [Exhibit D 3.9].	Yes	Datasets were reviewed and reconciled.
T04B	TWDB	22	Flood Management Evaluations (FME) GIS Feature Class, <i>FME</i> : It appears that some fields are missing entries, including 'GOAL_ID' and 'DESCR'. Please complete all required fields with valid entries per Exhibit D Table 23 [31 TAC §361.38(i) & Exhibit D 3.10].	Yes	Datasets were reviewed and reconciled.
T05	TWDB	23	Flood Management Evaluation (FME) Recommendations GIS Feature Class, <i>FME</i> : It appears that some fields are missing entries, including 'SOURCE' and 'DESCR'. Please complete all required fields with valid entries per Exhibit D Table 23 [31 TAC §361.38(i) & Exhibit D 3.10].	Yes	Datasets were reviewed and reconciled.

Task	Comment By	TWDB #	Comment	Revision	Response or Revision
T05	TWDB	24	Flood Mitigation Project (FMP) Recommendations, Text: Each recommended FMP must be accompanied with an associated model or supporting documentation to show no negative impact. Please confirm that this was done and provide reference to supporting materials. As per the draft report (pages 175 and 176), each FMP description states, "The project was determined to have no negative impacts." For each recommended FMP, please identify in the plan how no negative impact was determined as required by the Exhibit C Section 3.6.A (page 108), either via a model or a study, and submit the associated model or include the study name.	Yes	Added additional information to report.
T05	TWDB	25	Flood Mitigation Project (FMP) Recommendations Table (Exhibit C, Table 16): FMP_ID 073000006 does not appear to include a BCR in Table 13, Table 16, FMP_Details table, and the <i>FMP</i> feature class. Please populate the BCR field in Table 13, Table 16, and FMP Details table, and populate the 'BC_RATIO' field in the <i>FMP</i> feature class as required [31 TAC§361.38(h)(8) & Exhibit D 3.11].	Yes	This project is a non-structural FMP that consists of adding flood warning features to a low lying region. There are no benefits from a traditional BCR perspective but significant benefits to public safety. Following the direction of TWDB the BCR has been updated to 0.
T05	TWDB	26	Flood Mitigation Project (FMP) Recommendations GIS Feature Class, <i>FMP</i> : FMP_ID 073000006 does not appear to include a BCR in Table 13, Table 16, FMP_Details table, and the <i>FMP</i> feature class. Please populate the BCR field Table 13, Table 16, and FMP Details table, and populate the 'BC_RATIO' field in the <i>FMP</i> feature class as required [31 TAC§361.38(h)(8) & Exhibit D 3.11].	Yes	This project is a non-structural FMP that consists of adding flood warning features to a low lying region. There are no benefits from a traditional BCR perspective but significant benefits to public safety. Following the direction of TWDB the BCR has been updated to 0.
T05	TWDB	27	Flood Management Strategy (FMS) Recommendations GIS Feature Class, <i>FMS</i> : It appears that some fields are missing entries, including 'GOAL_ID'. Please complete all required fields with valid entries per Exhibit D Table 26 [31 TAC §361.39 & Exhibit D 3.10].	Yes	GIS datasets have been reviewed and reconciled.
T07	TWDB	28	Flood Response Information and Activities, Text: Please include a general, written summary of actions taken or planned for to support recovery from past flood disasters in the region [31 TAC §361.42 & Exhibit C 2.71.	Yes	Addition discussion added to the Task 7 narrative.

Task	Comment By	TWDB #	Comment	Revision	Response or Revision
T09	TWDB	29	Flood Infrastructure Financing Analysis Table (Exhibit C, Table 19): Several entries for the Estimated Construction Cost field appear to be blank, however, it also does not appear that these are associated with FMEs, FMSs, or FMPs that include capital construction costs. Please review and populate these fields with "0" as appropriate [§361.44 & Exhibit C 2.9].	Yes	All values completed
T02A	TWDB	14A	Existing Condition Flood Vulnerability GIS Feature Class, ExFldExpAll: It appears that this feature class may not equal the sum of point, line, and polygon feature classes. Please ensure that total count of <i>ExFldExpAll</i> is the sum of <i>ExFldExpPt</i> , <i>ExFldExpLn</i> , and <i>ExFldExpPol</i> feature class counts [31 TAC §361.33(c), (d) & Exhibit C 2.2.A.2].	Yes	Datasets were reviewed and reconciled.
T02A	TWDB	14B	Existing Condition Flood Vulnerability GIS Feature Class, ExFldExpAll: The Structure and Residential Structure counts in Table 3 do not appear to match the <i>ExFldExpAll</i> feature class counts. Please review and reconcile [31 TAC §361.33(c), (d) & Exhibit C 2.2.A.2].	Yes	Datasets were reviewed and reconciled.
T01	TWDB	38B	Existing Flood Infrastructure GIS Feature Class, ExFldInfraPol: Please review the GIS feature class submission for coded value domain errors and reconcile as necessary.	Yes	GIS datasets were reviewed and reconciled.
T01	TWDB	8A	Existing Flood Projects GIS Feature Class, ExFldProjs: It appears that some fields are missing entries, including 'HUC8'. Please complete all required fields with valid entries per Exhibit D Table 8. For 'EXHAZ_ID', 'COST', and 'COMP_YR', please leave NULL if there is not data or unknown. Please review and reconcile where appropriate [31 TAC §361.33].	Yes	GIS datasets were reviewed and reconciled.
T01	TWDB	8B	Existing Flood Projects GIS Feature Class, ExFldProjs: Please ensure that all ID fields are entered correctly. For example, it appears that 'EXPROJ_ID' uses incorrect unique ID formatting and is missing a leading zero. Unique IDs must be accurate for the database to connect and work properly. Please refer to Exhibit D Table 2 or more recent updates for Unique ID guidance. Please reconcile [31 TAC §361.33].	Yes	GIS datasets were reviewed and reconciled.
General	TWDB	30	Please consider adding 'bookmarks' within the PDF regional flood plan report.	Yes	Bookmarks added
General	TWDB	31	Please consider adding a layer to relevant GIS maps throughout the plan that delineate the two smaller "regions" of the RFPG - i.e., the Llano Estacado vs Rolling Plains Region (On the caprock vs off the caprock). Some maps may benefit from a layer similar to this to show the differences between these two specific areas that are referenced within the plan.	Yes	Labels added to select figures.
General	TWDB	32	Please consider reviewing maps, as necessary, to ensure that all relevant layers being shown are included as part of the legend. Some maps appear to show layers that may not be also referenced on the legend making it difficult to know what is being shown.	Yes	Legends updated.
General	TWDB	33	Please consider reviewing maps, as appropriate, that rely on a single color or single-color gradient for legibility and clarity. An example is FIGURE 4-4. It is unclear as to what the shading signifies across the region and whether darker shading means a higher density or lower. Please consider adding ranks to the legend for clarity.	Yes	Maps revised.

Task	Comment By	TWDB #	Comment	Revision	Response or Revision
General	TWDB	34	To better align with our agency's preferred nomenclature, please consider using the name, "Cursory Floodplain Data" instead of "Fathom" or Cursory Fathom Data" throughout the regional flood plan.	Yes	Updated narrative.
Executive Summary	TWDB	35	Please consider reviewing, as appropriate, certain key dates included throughout the plan for accuracy. For example, the date of the establishment of the RFPG by TWDB on page 25: "Region 7 RFPG was established by the TWDB on October 29, 2020, to manage the flood planning efforts for the basin." While this date may have been the first meeting of the RFPG, October 1, 2020, was technically the date the RFPG was established by Board action along with the other 14 RFPGs.	Yes	Reviewed & updated dates
T01	TWDB	37	Existing Flood Infrastructure Text (Exhibit C, Section 2.1): Please provide a description of how Low Water Crossings were identified within the text of Chapter 1.	Yes	Additional description added to Task 1 narrative.
T02A	TWDB	40	Existing Condition Flood Hazards Map (Exhibit C, Map 4): Please consider adding distinct map names for the two Map 4 PDFs included in the submission (e.g., Ex. Flood Risk Type or Flood Frequency).	Yes	Maps revised.
T02A	TWDB	41	Existing Condition Flood Hazard Exposure Table (Exhibit C, Table 3): Please consider reviewing the data included in Table 3 as it appears the totals may be cumulative (effectively double counting) between existing and future conditions.	Yes	Updated Table.
T02A	TWDB	42	Existing Condition Flood Hazard Exposure GIS Feature Class, <i>ExFldExpPt</i> : There are some locations where road segments intersect with streams within the hazard extent (e.g., STREAM_ID 70081658 at TXDOT_Road_Inventory ObjectID 333682) which may indicate a Low Water Crossing. Please consider reviewing and adding those points as appropriate.	Yes	GIS datasets were reviewed and reconciled.
T02A	TWDB	43	Existing Condition Flood Exposure GIS Feature Class, <i>ExFldExpPol</i> : The agricultural coverage layers appear to have irregular triangle and rectangular features that may be a result of the conversion of a raster to polygon. Please consider reviewing and revising.	Yes	GIS datasets were reviewed and reconciled.
T02A	TWDB	44	Existing Condition Flood Vulnerability, Text: Please consider providing further descriptions on how vulnerability was assessed. Consider providing more details about if proximity to a floodplain, proximity to other bodies of water, past flooding issues, emergency management plans, and location of critical systems like primary and back-up power were assessed.	Yes	Report updated
T02A	TWDB	45	Existing Condition Flood Vulnerability GIS Feature Class, <i>ExFldExpAll</i> : Please consider reclassifying features with entries of "Other" for the 'EXP_TYPE' field. For example, some features with 'CRIT_TYPE' as "Fire" or "School" may be better categorized as "Public Bldg" for the 'EXP_TYPE' field.	Yes	GIS datasets were reviewed and reconciled.
T02B	TWDB	47	Future Condition Flood Vulnerability, Text: Please consider providing further descriptions on how vulnerability was assessed. Consider providing more details about if proximity to a floodplain, proximity to other bodies of water, past flooding issues, emergency management plans, and location of critical systems like primary and back-up power were assessed.	Yes	Additional discussion was included in Task 2B narrative.

Task	Comment By	TWDB #	Comment	Revision	Response or Revision
T02B	TWDB	48	Future Condition Flood Hazard Map (Exhibit C, Map 8): Please consider adding distinct map titles for the two Map 8 PDFs included in the submission (e.g., Flood Risk Type or Flood Frequency).	Yes	Maps revised.
T02B	TWDB	49	Future Condition Flood Exposure, Text: Please consider providing more detail about how the future conditions summary of buildings, roadways crossings, length of roadway segments, agricultural land and other identified items that are located within the flood hazard area identified in the future condition flood hazard analysis.	Yes	Additional discussion was included in Task 2B narrative.
T02B	TWDB	50	Existing Flood Exposure GIS Feature Class, <i>FutFldExpPol</i> : The agricultural coverage layers appear to have missing rectangular features that may be a result of the conversion of a raster to polygon. Please consider reviewing and revising, as appropriate to meet the requirements as stated in §361.33(c).	Yes	GIS datasets were reviewed and reconciled.
T03A	TWDB	51	Existing Floodplain Management Practices, Text: Please consider expanding upon the information provided in the Table 6 as part of Chapter 3.	Yes	Additional description added to Task 3 narrative.
T03A	TWDB	52	Existing Floodplain Management Practices Table (Exhibit C, Table 6 and GIS Table <i>ExFpMp</i> ): It is not clear that all entities included in Table 6 have floodplain management authority. Please review to confirm list. [31 TAC §361.35 & Exhibit C 2.3.A].	Yes	Updated GIS & tables
T03B	TWDB	53	Goals, Text: Please consider expanding upon Chapter 3B text related to the goals selected by the Regional Flood Planning Group.	Yes	Additional description added to Task 3 narrative.
T04A	TWDB	54	Greatest Gaps Map (Exhibit C, Map 14): Please provide further description in the legend to describe what is the highest gap and the lowest. Consider making a "note" or description on the map.	Yes	Maps revised.
T04A	TWDB	55	Greatest Risk Map (Exhibit C, Map 15): Please provide further description in the legend to describe what is the highest gap and the lowest. Consider making a "note" or description on the map.	Yes	Maps revised.
T04B	TWDB	56	Streams GIS Feature Class, <i>Streams</i> : It appears that some streams included in identified FMEs are not included in the <i>Streams</i> feature class. For example, FME_IDs 071000029, 071000023, and 071000094. Please review and consider including relevant streams.	Yes	Datasets were reviewed and reconciled.
T04B	TWDB	57	Flood Management Evaluations (FME), Text: Please verify that identified FMEs do not duplicate effort of TWDB-funded FIF Category 1 studies and state how the FME will expand on and/or utilize the existing study. For example, FIF ID 40065 (Lubbock - Flood Protection Planning for Watersheds) appear to overlap with listed several FMEs including FME_IDs 07100022 and 07100065.	Yes	Consultant team reviewed FMEs overlapping with FIF studies. This resulted in one FME being removed. Other overlapping FMEs include differing scope items to the FIF study.

Task	Comment By	TWDB #	Comment	Revision	Response or Revision
T04B	TWDB	58	Flood Management Evaluations (FME) Table (Exhibit C, Table 12): Please verify that identified FMEs do not duplicate effort of TWDB-funded, FIF Category 1 studies and state how the FME will expand on and/or utilize the existing study. For example, FIF ID 40065 (Lubbock - Flood Protection Planning for Watersheds) appear to overlap with listed several FMEs including FME_IDs 07100022 and 07100065.	Yes	Consultant team reviewed FMEs overlapping with FIF studies. This resulted in one FME being removed. Other overlapping FMEs include differing scope items to the FIF study.
T04B	TWDB	59	Flood Management Evaluations (FME) GIS Feature Class, <i>FME</i> : For county-wide FMEs where a majority of the county falls outside of the RFPG boundary, please include justification how the FME benefits the region and please coordinate with other RFPGs to make sure the efforts are not duplicated.	Yes	FME boundaries clipped to region boundary
T04B	TWDB	60	Flood Management Strategies (FMS), Text: Please ensure FMSs are categorized correctly to only include non-recurring, non-capital cost. Please consider reviewing certain; FMSs that include Flood Measurement and Warning Systems and Infrastructure Projects to ensure they should not be categorized as FMPs or FMEs.	Yes	Descriptions were updated. Generally if specific locations were identified actions were classified as FMPs. If no specific locations were available but a general program was desired than these actions were categorized as FMS.
T04B	TWDB	61	Flood Management Strategies (FMS) Map (Exhibit C, Map 18): Please consider revising map to show FMS extents more clearly.	Yes	Maps revised
T05	TWDB	62	Flood Management Evaluation (FME) Recommendations, Text: Please verify that identified FMEs do not duplicate effort of TWDB-funded, FIF Category 1 studies and state how the FME will expand on and/or utilize the existing study. For example, FIF ID 40065 (Lubbock - Flood Protection Planning for Watersheds) appear to overlap with listed several FMEs including FME_IDs 07100022 and 07100065.	Yes	Verified
T05	TWDB	63	Flood Management Evaluation (FME) Recommendations Table (Exhibit C, Table 15): Please verify that identified FMEs do not duplicate effort of TWDB-funded, FIF Category 1 studies and state how the FME will expand on and/or utilize the existing study. For example, FIF ID 40065 (Lubbock - Flood Protection Planning for Watersheds) appear to overlap with listed several FMEs including FME_IDs 07100022 and 07100065.	Yes	Verified



Task	Comment By	TWDB #	Comment	Revision	Response or Revision
T05	TWDB	64	Flood Management Evaluation (FME) Recommendations Table (Exhibit C Table 15): Several recommended FMEs which are at the regional scale appear to be better classified as Flood Management Strategies (FMS). For example, FME_IDs 131000173-131000179. Please review to determine if reclassification is warranted. Please ensure any changes made are reflected across all related deliverables.	Yes	Clarified report language.
T05	TWDB	65	Flood Management Evaluation (FME) Recommendations Map (Exhibit C, Map 19): It appears difficult to determine the specific extents of the FMEs in Map 19. Please consider, for example, modifying the color scheme for this map or providing outlines for each FME.	Yes	Maps revised.
T05	TWDB	66	Flood Mitigation Project (FMP) Recommendations Map (Exhibit C, Map 20): It appears difficult to determine the location of the recommended FMPs in Map 20. Please consider, for example, modifying the color scheme for this map or specifying FMP locations more clearly.	Yes	Maps revised.
T05	TWDB	67	Flood Mitigation Project (FMP) Details Geodatabase, <i>FMP_Details</i> : Please review and consider populating as many fields as possible.	Yes	Updated GIS & tables
T05	TWDB	68	Flood Management Strategy (FMS) Recommendations, Text: Please ensure FMSs are categorized correctly to only include non-recurring, non-capital cost. Please consider reviewing certain FMSs that include Flood Measurement and Warning Systems and Infrastructure Projects to ensure they should not be a categorized as FMPs or FMEs.	Yes	Descriptions were updated. Generally if specific locations were identified actions were classified as FMPs. If no specific locations were available but a general program was desired than these actions were categorized as FMS.
T05	TWDB	69	Flood Management Strategy (FMS) Recommendations Map (Exhibit C, Map 21): It appears difficult to determine the extents of the specific FMSs in Map 21. Please consider, for example, modifying the color scheme for this map or providing outlines for each FMS.	Yes	Maps revised.
T01	TWDB	36A	Watersheds GIS Feature Class, Watersheds: When creating the <i>FME</i> , <i>FMP</i> , and <i>FMS</i> feature classes be sure to include watersheds identified in the strategies as part of the <i>Watersheds</i> feature class.	Yes	GIS datasets were reviewed and reconciled.
T01	TWDB	36B	Watersheds GIS Feature Class, Watersheds: Please ensure 'WS_NAME' is populated with the correct name of the watershed. There are some cases (e.g., WD_IDs 07000450, 07000467) where the HU12 number is provided instead of the watershed name as stated in Exhibit D Section 3.2 Table 4.	Yes	GIS datasets were reviewed and reconciled.
T01	TWDB	38A	Existing Flood Infrastructure GIS Feature Class, <i>ExFldInfraPol</i> : Please consider updating entry names within the GIS feature class from "TX####" to "Unnamed [infra type]".	Yes	GIS datasets were reviewed and reconciled.
T01	TWDB	39A	Existing Flood Projects, Text: Please consider adding a section title/header to the existing projects section of Chapter 1.	Yes	Additional Header added

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T01	TWDB	39B	Existing Flood Projects, Text: For clarity, please consider referencing, within the text of the plan document, the location of Map 2 in Appendix A as well as all other maps associated with existing projects that are discussed in the plan.	Yes	Additional references added to report
T02A	TWDB	46A	Existing Condition Flood Vulnerability Map (Exhibit C, Map 7): Please consider changing label from "High SVI Area" to "High SVI Structure" or add description of what the point feature class contains in the footnote below the legend.	Yes	Maps revised.
T02A	TWDB	46B	Existing Condition Flood Vulnerability Map (Exhibit C, Map 7): Please consider adding a separate point symbology class for LWCs.	Yes	Maps revised.
T01	TPWD		In Task 1, Natural Features (Page 65) are described as, "...rivers, tributaries, reservoirs/lakes, wetlands, and playas[.]" TPWD would like to request the RFPG add springs to the list of natural features for the Upper Brazos Regional Flood Planning area as springs are located throughout Region 7. Springs provide base flow for our rivers and tributaries, have historical use, provide recreational opportunities, and contain species unique to Texas.	Yes	Springs added to discussion of natural features.
T01	TPWD		Dams are one of the most abundant constructed flood infrastructure features in Region 7, and have many uses including water storage for municipal utilities, industrial use, agricultural use (including irrigation), recreational use, and flood risk mitigation (Task 1, Dams, page 68). Task 1 also discusses dam safety assessments and that the dams in Texas overall scored a D+ by the American Society of Professional Engineers in the 2021 Infrastructure Report Card (ASCE 2021). The Draft Region 7 plan recommends more information be gathered about the known functionality of the 230 dams within the region, including 23 flood control dams classified as high hazard (Task 1, Reason for Functionality and Deficiency, page 72). TPWD supports this recommendation as it relates to dam functionality and safety, and supports the flood risk reduction projects focused on dam functionality and safety (E.g. FMS 07200145 and 072000160). In 2015, the Texas Commission on Environmental Quality (TCEQ) performed a dam inspection of Abilene Dam at Lake Abilene. The TCEQ inspection report recommends repairs and maintenance of the dam which could be added to flood risk reduction projects ensuring the protection of human life and infrastructure as well as providing potential funding assistance for repairs and maintenance from flood planning funds. TPWD operates Abilene State Park immediately below the Abilene Dam making park visitor safety and infrastructure impacts from floods a top priority for TPWD operations. TPWD looks forward to working with the City of Abilene to ensure maintenance and dam safety of Abilene Dam continues to progress.	Yes	Discussion added to Task 1 narrative

Task	Comment By	TWDB #	Comment	Revision	Response or Revision
	TPWD		TPWD would like to add data about Abilene State Park and impacts that occur during high flow events to the RFP. The state park experiences consistent historical road closures during times of flooding. For example, in 2016, Park Road 32 near the entrance of Abilene State Park was washed out when water from the emergency spillway flowed down the tributary and across the road. In 2018, FM 89 and Park Road 32 were closed after heavy rain and releases from the spillway overtopped the roads. The emergency exit for the park is near the spillway and has almost flooded during past events. We look forward to working with Region 7 to provide more detailed information regarding flood infrastructure and human safety needs for Abilene State Park.	Yes	Additional information has been added to report narrative. Consultant will continue to coordinate with TPWD and include any additional information with the Amended plan.
	TPWD		TPWD has two <i>properties</i> in Region 7, Abilene State Park in Taylor County and Playa Lakes Wildlife Management Area — Dimmit Unit in Castro County. TPWD will be adding flood related information for these properties to the Region 7 GIS quilt. TPWD has a GIS data layer containing all the TPWD properties which is available to the Regions .	Yes	Additional information has been added to report narrative. Consultant will continue to coordinate with TPWD and include any additional information with the
T01	TPWD		TPWD supports prioritizing data collection for areas in Region 7 that currently do not have data or have old data regarding flood risk. Reviewing existing data, updating current data, and collecting new data about flood risk and flood prone areas in Region 7 enhances the ability to reduce loss of life and damage to infrastructure by floods in future planning cycles (Task 1).	-	

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T01	TPWD		TPWD is the state agency with the primary responsibility for protection of the state’s fish and wildlife resources and providing information and recommendations to local, state, and federal agencies and other organizations (Parks and Wildlife Code (PWC) §12.0011). The Upper Brazos Flood Planning Region incorporates the critical habitat (79 Federal Register (FR) 45241) for the endangered (79 FR 45273) Smalleye Shiner <i>Notropis bucculo</i> and Sharpnose Shiner <i>Notropis oxyrhynchus</i> (FWS-R2-ES-2013-008). Both fish are broadcast spawners and require unobstructed, wide, flowing river segments lengths of greater than 275 km to support development of their early life stages (Fish and Wildlife Service, 2020). The critical habitat designation in the region provides information about the species and what is required for them to survive. Freshwater mussels are another species that are impacted from stream bed modifications. TPWD works with agencies and consultants across the state on construction projects impacting bed and banks to reduce impacts to Texas’ unique freshwater mussel species. The Brazos Basin includes two species that are currently under review for federal listing, and one is located within the regional flood planning group’s boundaries, the Texas Fawnsfoot <i>Truncilla macrodon</i> . TPWD looks forward to working with project sponsors within the critical habitat from project concept to finish. Working together from the start of a project allows for discussions and shorter timeline for project completion.	Yes	Added to natural features narrative.
T01	TPWD		The Texas Conservation Action Plan Handbook (TCAP; Texas Parks and Wildlife Department, 2012) provides guidance for conservation in the state of Texas, with the goals of realizing conservation benefits, preventing species listings, and preserving our natural heritage for future generations. The TCAP focuses on Species of Greatest Conservation Need (SGCN) that include numerous aquatic species such as fish, freshwater mussels, and salamanders. The TCAP handbook includes six types of priority habitats, three of which are aquatic: water resources; riparian and floodplains; and caves and karst. Issues affecting these environments include environmental flows, impoundments and dam operations, and water quality issues (including stormwater runoff).	Yes	Task 1 narrative revised to include discussion of natural features contribution to habitat.
T01	TPWD		TPWD believes that wetlands play an important role in flood mitigation, water quality, and recharge to aquifers (Task 1, Natural Features, page 67). As mentioned in the draft plan, wetlands make up the largest amount of area for flood infrastructure in the region. The draft plan states, “...the wetlands have a minor role in mitigating flood risk and providing flood protection in Region 7.” The Environmental Protection Agency states that the holding capacity of wetlands helps control flood and prevents water logging of crops and that preservation of wetlands provides water retention that can reduce or replace costly dredge operations and levees (EPA 2022). TPWD recommends that the draft plan state that wetlands provide a major role in mitigating flood risk and providing flood protection for the region (Task 1, Natural Features - Wetlands, page 67).	Yes	Clarified report language.

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T01	TPWD		TPWD supports and agrees that playas are one of the most significant ecological features in the Texas High Plains (Task 1, Natural Features, Playas, pages 66-67). TPWD supports the restoration of deficient playas and the collaborative work with the Texas Playa Conservation Initiative (Task 1, pages 72-73), landowners, and state and local agencies. Continued restoration and preservation of playas provides flood mitigation as well as wildlife habitat and supports aquifer recharge. The Playa Lakes Wildlife Management Area (WMA) Dimmit Unit is in Castro County and includes 345 acres of farmland that has been planted with native grass and a 77-acre playa basin. The WMA was purchased in 1990 for the purpose of developing an area where soil, water, and wildlife conservation practices are implemented.	Yes	Added support to Task 1 narrative
T03	TPWD		TPWD would like to encourage all the proposed Flood Management Evaluations, Plans, and Strategies proponents to consider stream crossing designs that allow for sediment transport and passage of aquatic organisms and do not impound water. Basically, designs that are invisible to the creek. This includes bridges that span the creek where possible or culverted crossings designed with the culvert(s) in the active channel area lower than those in the floodplain benches so that the flow in the channel is not overly spread out. The central/low-flow culvert(s) should be large enough to handle a 1.5 year flow without backing up water. The bottoms of these lower culverts should be set at least a foot below grade (i.e. recessed) to allow natural substrate to cover the culvert bottom and to allow for aquatic organism passage. These lower, recessed culverts should be installed in the thalweg or deepest part of the channel and be aligned with the low flow channel (Clarkin et al., 2006).	Yes	Added discussion to Task 3 narrative
T03/06	TPWD		In Region 7, three counties lead as oil and gas producers (Task 1, page 59) and seven other counties have significant production totaling 37.2M bbl (billion barrels of petroleum oil) and 52.8 M mcf(thousand cubic feet of gas) in 2020 (Table 1-4). The draft plan mentions oil and gas concerns include the type of pipes used to transport oil and gas products, and the unknown base flood elevations in much of the region that may impact electrical components (Task 2, page 96). TPWD would like the RFPG to include compliance with required maintenance and safety regulations for oil and gas operations and storage facilities in the RFP. The safety and maintenance regulations are important preventative measures that reduce the likelihood of a spill or release event. For example, berms around storage facilities and the maintenance of the buried pipelines (along with other long-term maintenance for all oil and gas structures) are put in place so spills are quickly contained. The Lake Alan Henry contamination occurred after a flooding event in an area where the oil pipeline crossed an ephemeral portion of the river and was left uncovered and unprotected (Task 2, Page 96);	Yes	Added to discussion of Lake Alan Henry.

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T05	TPWD		The RFP identified 3 Flood Management Projects (FMPs), 266 potentially feasible Flood Management Evaluations (FMEs), and 63 potentially feasible Flood Management Strategies (FMSs). TPWD understands that the goal of the RFP is to mitigate floods to reduce risk to life and property and encourages the use of nature-based solutions, such as the Bovia Buyout Program and the use the use of playas to assist with flood mitigation. The Draft RFP states that none of the projects or strategies are anticipated to have negative effects.	Yes	Added support to narrative
T05	TPWD		We reviewed the Flood Management Evaluation (Appendix C, page 146 of 277) for the “City of Abilene Operations of Lake Abilene” (FMP ID 073000003) that is described in Appendix C as, “increase available flood storage in the reservoir.” TPWD would like to learn more about this project and looks forward to working collaboratively with the City of Abilene on this project.	No	Noted.
T05	TPWD		TPWD supports FMS 072000004, the City of Abilene Gauge Program to install automated creek rain gauges. Stream gauge systems provide vital information about stream flows and water level increases earlier improving response time for evacuations for the county, city, and the state park.	No	Noted.
T08	TPWD		<ul style="list-style-type: none"> <li>Task 8, Administrative Recommendations, 1)a) — remove “has” after “city” and before “may”</li> </ul>	Yes	Addressed
Executive Summary	TPWD		<ul style="list-style-type: none"> <li>Executive Summary, page 27 — Reword the last sentence for clarity.</li> </ul>	Yes	Addressed
T08	USACE		Non regulatory regional flood control or drainage districts should be established and funded for rapidly growing urban areas such as DFW, Houston, San Antonio, etc.	Yes	RFPG considered and added an additional recommendation.
T08	USACE		Rapidly developing areas surrounding larger urban centers are at greater risk of having runoff patterns increasing because of development. These urban areas are comprised of many communities and unincorporated county areas. Many of the smaller communities are not funded or resourced to deal with the complexities of floodplain management and therefore there is a lack of or inconsistencies in floodplain management practices.	Yes	RFPG considered and added an additional recommendation.
T08	USACE		Table 8.2 Establish future land use plans for unincorporated areas associated with rapidly growing urban areas.	No	These items could be considered as higher standard at a region level rather than state as each RFPG deems appropriate. This is inconsistent with floodplain management practices identified in Task 3 for Region 7.



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T08	USACE		Table 8.2 No loss of valley storage to the 500-year level. Communities could allow redistribution of valley storage to allow interactions with natural areas but no loss of storage.	No	These items could be considered as higher standard at a region level rather than state as each RFPG deems appropriate. This is inconsistent with floodplain management practices identified in Task 3 for Region 7.
T08	USACE		Table 8.2 Require the use of n-values and channel conditions which would likely result if the channel or project were not maintained. Exceptions would be golf courses or other areas where an organization exists which would maintain the channel in perpetuity. Disallow maintenance by marginal organizations such as home owners associations to justify acceptance of lower n-values as this is an unrealistic expectation.	No	These items could be considered as higher standard at a region level rather than state as each RFPG deems appropriate. This is inconsistent with floodplain management practices identified in Task 3 for Region 7.
T08	USACE		Table 8.2 Use of ultimate development land use conditions in the development of future flows. Require use of future flows for regulation of floodplains and development of FMP's.	No	These items could be considered as higher standard at a region level rather than state as each RFPG deems appropriate. This is inconsistent with floodplain management practices identified in Task 3 for Region 7.
T08	USACE		Table 8.3 Add detail to Watersshed Hydrology Assessments (WHA) for communities within basins with completed WHA's. The WHA for the Trinity has been completed.	No	These recommendations are applicable to communities with extensive existing models to include as additional flood risk products. N/A to Region 7

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T08	USACE		Table 8.3 Encourage storm shifting to validate 100-yr estimates and to provide a broader understanding of communities actual flood risk. Storms identified and cataloged as part of the GLO funded USACE led Texas Storm Study could be the primary source of storms to be shifted.	No	These recommendations are applicable to communities with extensive existing models to include as additional flood risk products. N/A to Region 7
T08	USACE		Table 8.3 Establish regional efforts, for large urban centers to develop future land use data for all developing areas, not just incorporated areas, for use in developing future flood flow frequency estimates and future 100-yr (and other recurrence interval) hazard boundaries.	No	These recommendations are applicable to communities with extensive existing models to include as additional flood risk products. N/A to Region 7
T08	USACE		Table 8.3 Update WHA's when future precipitation frequency estimates become available. Efforts to develop future precipitation frequency estimates for Texas are starting.	No	These recommendations are applicable to communities with extensive existing models to include as additional flood risk products. N/A to Region 7
General	TWDB - Tech Memo		<ul style="list-style-type: none"> <li>Please note that while only some of the table templates provided in Exhibit C – Technical Guidelines for Regional Flood Planning were required in the Tech Memo submission, complete versions of all TWDB-provided tables and geodatabases will be required in the region's Draft Regional Flood Plan. You can find these tables throughout Exhibit C and Exhibit D – Data Submittal Guidelines for Regional Flood Planning, and in a more condensed format in Exhibit C Tables and Flood Planning Geodatabase Templates available at <a href="http://www.twdb.texas.gov/flood/planning/planningdocu/2023/inde">http://www.twdb.texas.gov/flood/planning/planningdocu/2023/inde</a></li> </ul>	Yes	Tech Memo data was an interim work product and has been revised.
General	TWDB - Tech Memo		<ul style="list-style-type: none"> <li>For fields with distance/area units, consider reducing the number of decimal places and/or significant figures as appropriate. This does not apply to latitude, longitude, or other data fields needing increased precision.</li> </ul>	Yes	Tech Memo data was an interim work product and has been revised.
General	TWDB - Tech Memo		<ol style="list-style-type: none"> <li>Please ensure that all important features on maps are included and labeled accordingly. It appears that major cities, urban areas, and major rivers were not labeled.</li> </ol>	Yes	Tech Memo data was an interim work product and has been revised.
General	TWDB - Tech Memo		<ol style="list-style-type: none"> <li>Please ensure that all maps included in the regional flood plan are an appropriate file size that can be easily viewed and downloaded by the public.</li> </ol>	Yes	Tech Memo data was an interim work product and has been revised.

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General	TWDB - Tech Memo	3.	Throughout the Regional Flood Plan, please consider using 1% and 0.2% annual chance storm events as the primary terminology. If desired for greater public understanding, use 100-year and 500-year in parentheses or another similar secondary format.	Yes	Tech Memo data was an interim work product and has been revised.
General	TWDB - Tech Memo	4.	For maps that display large amounts of data (e.g., Maps 4, 6, 8, and 10), please consider including a region-wide map displaying the data, and a map index. For greater public understanding, inset maps and additional maps shown at more zoomed in scales are encouraged. Zoomed in scale maps should be appropriately sized for your region and include a map index.	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	1.	Tech Memo Text: Exhibit C Item 4C.1.a, List of Entities:a. See comments on Task 1 Item 2: GIS Feature Class: Exhibit D Table 3, Entities.	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	2.	GIS Feature Class: Exhibit D Table 3, Entities: a. The field POLSUB_FLG contains invalid entries, such as "Yes" instead of "Y". Please ensure only valid entries are used.	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	2.	GIS Feature Class: Exhibit D Table 3, Entities:b. For entities that cross flood planning regional boundaries, please fill in your own region's name and number (RFPG_NAME, RFPG_NUM).	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	2.	GIS Feature Class: Exhibit D Table 3, Entities:c. Please refer to the NFIP Participation Table included as an attachment with the informal comments letter and reconcile any missing data.	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	4.	GIS Feature Class: Exhibit D Table 5, ExFldInfraPol:	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	4.	GIS Feature Class: Exhibit D Table 5, ExFldInfraPol: a. Please ensure that all entries under the NAME field are correct and valid. Some entries are listed in the following format: "TX_10XXX". Consider providing clarification as to the meaning of this numbering system.	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	4.	GIS Feature Class: Exhibit D Table 5, ExFldInfraPol: b. Please ensure that all entries under the DESCR field are correct and valid. TWDB staff noticed some entries included 9-digit numbers instead of descriptions. Consider including additional detail for such entries.	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	4.	GIS Feature Class: Exhibit D Table 5, ExFldInfraPol: c. "Unknown" is an acceptable entry for CONDITION and COND_DESCR. However, the "<Null>" values included in these entries need to be addressed as this is not a valid entry described in Exhibit D guidance. Please reconcile	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	4.	GIS Feature Class: Exhibit D Table 5, ExFldInfraPol: d. RFPG_NUM: Exhibit D, Table 5: List of Fields for 'ExFldInfraPol', 'ExFldInfraLn', and 'ExFldInfraPt' requires RFPG_NUM to include a two-digit code for each region. It appears that all entries within this column for this feature class indicate "7" where "07" is required. Please reconcile	Yes	Tech Memo data was an interim work product and has been revised.

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T01	TWDB - Tech Memo	4.	GIS Feature Class: Exhibit D Table 5, ExFldInfraPol: e. NATBUILT: Exhibit D, Table 5: List of Fields for 'ExFldInfraPol' requires the column NATBUILT to include the following valid entries: "Natural", "Constructed", or "Combination". It appears that the submission of entries within this feature class include "<Null>" which is not a valid entry for this field. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	4.	GIS Feature Class: Exhibit D Table 5, ExFldInfraPol: f. LOS: Exhibit D, Table 5 includes the following valid entries: "50", "10", "4", "2", "1", "0.2", and "Unknown". "<Null>" is not a valid entry for this column. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	4.	GIS Feature Class: Exhibit D Table 5, ExFldInfraPol: g. DEF_TYPE: Exhibit D, Table 5 includes the following valid entries: "Deficient", "non-deficient", "Unknown". "<Null>" is not a valid entry for this column. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	4.	GIS Feature Class: Exhibit D Table 5, ExFldInfraPol: h. Please ensure that the fields OWN_ENT and OPER_ENT are valid entries in accordance with the guidance provided in Exhibit D. Guidance provided in Exhibit D states that these two fields should include "ENTITY_ID from Entity feature class, comma-separated".	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	4.	GIS Feature Class: Exhibit D Table 5, ExFldInfraPol: i. Please ensure that the AREA field is filled in correctly and/or named properly. TWDB staff noticed this field missing and/or misnamed.	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	5.	GIS Feature Class: Exhibit D Table 6, ExFldInfraLn: a. Please ensure that the fields OWN_ENT and OPER_ENT contain valid entries in accordance with the guidance provided in Exhibit D. Guidance provided in Exhibit D states that these two fields should include "ENTITY_ID from Entity feature class, comma-separated".	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	5.	GIS Feature Class: Exhibit D Table 6, ExFldInfraLn: b. "Unknown" is an acceptable entry for CONDITION, COND_DESCR, and DEF_DESC. However, the "<Null>" values included in these entries need to be addressed as this is not a valid entry. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	5.	GIS Feature Class: Exhibit D Table 6, ExFldInfraLn: c. RFPG_NUM: Exhibit D, Table 6: List of Fields for 'ExFldInfraPol', 'ExFldInfraLn', and 'ExFldInfraPt' requires the column RFPG_NUM to include a two-digit code for each region. It appears that all entries within this column for this feature class show "7" where "07" is required. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 7, ExFldInfraPt: a. Please ensure that all entries under the NAME field are correct and valid. It appears that some entries are locations (e.g., .05 Mi West of Tilley ST). Consider including additional description to better identify these existing infrastructure components.	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 7, ExFldInfraPt: b. RFPG_NUM: Exhibit D, Table 7: List of Fields for 'ExFldInfraPol', 'ExFldInfraLn', and 'ExFldInfraPt' requires the column RFPG_NUM to include a two-digit code for each region. It appears that all entries within this column for this feature class show "7" where "07" is required. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.

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T01	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 7, ExFldInfraPt: c. DEF_DESCR: Exhibit D, Table 7, requires a description of the structural issue causing deficiency. The 18 entries marked as "Deficient" require a valid entry for the field. <Null> is not a valid entry. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 7, ExFldInfraPt: d. Please ensure that the fields OWN_ENT and OPER_ENT are valid entries in accordance with the guidance provided in Exhibit D. Guidance provided in Exhibit D requires that these two fields include "ENTITY_ID from Entity feature class, comma-separated". It appears that some entries are region specific entities "07000202" while others don't appear to be tied to Region 7 - "00000165".	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 7, ExFldInfraPt: a. Please consider including gaging stations/stream gages from USGS National Hydrography Dataset (NHD):	Yes	Tech Memo data was an interim work product and has been revised.
T01	TWDB - Tech Memo	8.	GIS Feature Class: Exhibit D Table 8, ExFldProjs: a. As stated in the technical memorandum submission, "Region 7 data collection efforts did not result in any projects with dedicated funding as of December 22, 2021". When identifying FMPs, please consider GLO funded and other funded flood projects throughout the region for applicable existing flood projects that could be incorporated for this portion of the regional flood plan.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	1.	Tech Memo Text: Exhibit C 4C.1.b, List of Previous Studies: a. Please determine whether H&H studies, neighborhood/watershed masterplan studies, or studies conducted in conjunction with LOMR/LOMAs are available in the region and if applicable, consider utilizing those studies in the regional flood plan development. Smaller local studies may assist in identifying flood mitigation solutions.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	2.	Text Memo Text: Exhibit C 4C.1.f, List of Available Models: a. Please provide the source links for the model if publicly available.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	2.	Text Memo Text: Exhibit C 4C.1.f, List of Available Models: b. Please consider utilizing the Available Models table template included as an attachment with the informal comments letter.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	1.	Tech Memo Text: Exhibit C 2.2.A.1, Hydrologic and Hydraulic models needed (narrative): Please ensure that all relevant models collected and listed in the Technical Memorandum are included in the ModelCoverage feature class.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	2.	GIS Feature Class: ModelCoverage: The ModelCoverage feature class does not appear to be included. Please add the ModelCoverage feature class and populate all fields. Refer to the Flood Planning Data Update email from January 31, 2022, included as an email attachment for more information on adding this feature class.	Yes	Tech Memo data was an interim work product and has been revised.

Task	Comment By	TWDB #	Comment	Revision	Response or Revision
T02A	TWDB - Tech Memo	2.	GIS Feature Class: ModelCoverage: b. Please ensure that each model includes a unique Model ID. Each 12-digit model ID (MODEL_ID) shall start with two-digit region number, example 01, 02, 03 etc. (Region No. + 10 Digits). Unique IDs must be accurate for the database to connect and work properly. Please refer to Exhibit D Table 2 or more recent updates for Unique ID guidance.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	3.	Map Deliverable: Exhibit C 3.10, Model Coverage: Please ensure that the data provided in the ModelCoverage feature class matches the information displayed on this map.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	5.	GIS Feature Class: Exhibit D Table 9, ExFldHazard: It appears that there are some small gaps where the TWDB provided Floodplain Quilt is wider than the ExFldHazard layer. Please review these layers for accuracy and reconcile, as needed.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 10, Fld_Map_Gaps:a. Please address <Null> entry for the WS_ID field. Note: This field may be left blank if the character string is too long for field length.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 10, Fld_Map_Gaps:b. Please address <Null> entries for required fields, including 'ENTITY_ID' (from Entity feature class). Refer to Table 10 of Exhibit D for a list of valid entries.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 10, Fld_Map_Gaps:c. For all feature classes with the FLOOD_FREQ field, please choose the highest probability that applies, such as "10" from this list of valid entries: "10", "4", "1", "0", "Unknown"	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 10, Fld_Map_Gaps:d. The map does not appear to clearly identify the types of hazard gaps. Please refer to the Flood Planning Data Update email from October 18, 2021, included as an email attachment for information on adding the REASON field to the Fld_Map_Gaps feature class. Please populate this new field with valid entries that could include: clearly outdated modeling and/or mapping, absence of modeling and/or mapping, or areas with modeling and/or mapping that requires update.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	7.	GIS Feature Class: Exhibit D Table 11, ExFldExpPol:a. There appears to be triangular features throughout this ExFldExpPol spatial extent which may be a result of the conversion of a raster to polygon. Please review the agricultural coverage layers and reconcile, as appropriate.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	7.	GIS Feature Class: Exhibit D Table 11, ExFldExpPol:b. RFPG_NUM is required to include a two-digit code for each region. For example, all entries within this column for this feature class show "7" where "07" is required. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	7.	GIS Feature Class: Exhibit D Table 11, ExFldExpPol:c. Please address <Null> entry for the 'WS_ID' field. Note: This field may be left blank if the character string is too long for field length.	Yes	Tech Memo data was an interim work product and has been revised.



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T02A	TWDB - Tech Memo	7.	GIS Feature Class: Exhibit D Table 11, ExFldExpPol:d. Both the required fields POP_DAY and POP_NIGHT appear to have "0" values for some building entries. Please review and confirm or populate, as appropriate.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	8.	GIS Feature Class: Exhibit D Table 12, ExFldExpLn:a. RFPG_NUM is required to include a two-digit code for each region. For example, all entries within this column for this feature class show "7" where "07" is required. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	8.	GIS Feature Class: Exhibit D Table 12, ExFldExpLn:b. It appears that some fields contain <NULL>, or invalid entries. For example, fields such as POP_DAY, POP_NIGHT. Please review all required fields and populate with valid entries as referenced in Exhibit D Table 12.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	9.	GIS Feature Class: Exhibit D Table 13, ExFldExpPt:a. It appears that there are some locations where road intersects with streams that are not included in this ExFldExpPt feature class. For example, STREAM_ID 70081658 at TXDOT_Road_Inventory ObjectID 333682. Please consider reviewing and adding points, as appropriate.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	9.	GIS Feature Class: Exhibit D Table 13, ExFldExpPt:b. RFPG_NUM is required to include a two-digit code for each region. For example, all entries within this column for this feature class show "7" where "07" is required. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	10.	GIS Feature Class: Exhibit D Table 14, ExFldExpAll:a. RFPG_NUM is required to include a two-digit code for each region. For example, all entries within this column for this feature class show "7" where "07" is required. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	10.	GIS Feature Class: Exhibit D Table 14, ExFldExpAll:b. It appears that some fields contain <NULL>, or invalid entries. For example, fields such as POP_DAY, POP_NIGHT. Please review all required fields and populate with valid entries as referenced in Exhibit D Table 14.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	10.	GIS Feature Class: Exhibit D Table 14, ExFldExpAll:c. Two entries contain an SVI value of <Null>. Please review these entries and verify that a correct SVI value is populated for each feature.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo	10.	GIS Feature Class: Exhibit D Table 14, ExFldExpAll:d. There appears to be two points EXEXPALLIDs 070000072 and 070275234 corresponding to the same school building in this feature class. This same building appears to be represented by a single polygon in the ExFldExpPol feature class (EXEXPPY_ID 070033788). Please review for duplication and reconcile as needed.	Yes	Tech Memo data was an interim work product and has been revised.

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T02A	TWDB - Tech Memo		10. GIS Feature Class: Exhibit D Table 14, ExFldExpAll:e. There appears to be two points EXEXPALLIDs 070000071 and 070273667 corresponding to a single school building in this feature class. This same building appears to be represented by a single polygon in the ExFldExpPol feature class (EXEXPPY_ID 070032221). Please review for duplication and reconcile as needed.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo		10. GIS Feature Class: Exhibit D Table 14, ExFldExpAll:f. There appears to be two points EXEXPALLIDs 070000021 and 070276639 corresponding to as single hospital building in this feature class. This same building appears to be represented by a single polygon in the ExFldExpPol feature class (EXEXPPY_ID 070035193). Please review for duplication and reconcile as needed.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo		11. Map Deliverable: Exhibit C 2.2.A.1 Map 4, Existing Condition Flood Hazard:a. This GIS coverage map does not appear to depict any additional flood prone areas. Please display additional, identified flood prone areas in addition to the 1% and 0.2% floodplains, as appropriate.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo		11. Map Deliverable: Exhibit C 2.2.A.1 Map 4, Existing Condition Flood Hazard:b. When available and as applicable, please display the types of flooding (riverine, coastal, local, etc.).	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo		11. Map Deliverable: Exhibit C 2.2.A.1 Map 4, Existing Condition Flood Hazard:c. For maps that display large amounts of data (e.g., Maps 4, 6, 8, and 10), please consider including a region-wide map displaying the data, and a map index. For greater public understanding, inset maps and additional maps shown at more zoomed in scales are encouraged. Zoomed in scale maps should be appropriately sized for your region and include a map index.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo		12. Map Deliverable: Exhibit C 2.2.A.1 Map 5, Existing Condition Flood Hazard – Gaps in Inundation Boundary Mapping and Identify Flood Prone Areas:a. Please ensure that any required data for submitted maps are included as part of the submission package. It appears that the REASON field of the Fld_Map_Gaps feature class does not match the information displayed on Map 5.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo		13. Map Deliverable: Exhibit C 2.2.A.1 Map 6, Existing Condition Flood Exposure:a. Please ensure that all maps include enough detail for the reader to understand what is being shown. It appears that Map 6B includes 'Other' exposure type. Please specify what 'Other' includes.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo		13. Map Deliverable: Exhibit C 2.2.A.1 Map 6, Existing Condition Flood Exposure:b. Map 6 does not appear to depict all required features, such as buildings, roadway crossings, road segments, and agricultural land. Please reconcile. In addition to the exposure heat map provided, please consider including additional maps with separate exposed features depicted as appropriate. Please consider further specification by differentiating between points, lines, and polygons on this map.	Yes	Tech Memo data was an interim work product and has been revised.

Task	Comment By	TWDB #	Comment	Revision	Response or Revision
T02A	TWDB - Tech Memo		14. Map Deliverable: Exhibit C 2.2.A.1 Map 7, Existing Condition Vulnerability and Critical Infrastructure:a. There does not appear to be any indication of SVI values included in the map's legend. Please include documentation regarding SVI values, for example "density of vulnerability index values above 0.75".	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo		14. Map Deliverable: Exhibit C 2.2.A.1 Map 7, Existing Condition Vulnerability and Critical Infrastructure:b. Please consider modifying the map colors to more clearly and separately depict the 1% and 0.2% existing condition hazard floodplains.	Yes	Tech Memo data was an interim work product and has been revised.
T02A	TWDB - Tech Memo		14. Map Deliverable: Exhibit C 2.2.A.1 Map 7, Existing Condition Vulnerability and Critical Infrastructure:It appears difficult to distinguish low water crossings on the current map. Please consider modifying the symbology for low water crossings on these GIS coverage maps to better distinguish them.	Yes	Tech Memo data was an interim work product and has been revised.
T02B	TWDB - Tech Memo		2. GIS Feature Class: Exhibit D Table 15, FutFldHazard: a. RFPG_NUM is required to include a two-digit code for each region. For example, all entries within this column for this feature class show "7" where "07" is required. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.
T02B	TWDB - Tech Memo		2. GIS Feature Class: Exhibit D Table 15, FutFldHazard:b. Please address <Null> entry for the 'WS_ID' field. Note: This field may be left blank if the character string is too long for field length.	Yes	Tech Memo data was an interim work product and has been revised.
T02B	TWDB - Tech Memo		3. GIS Feature Class: Exhibit D Table 16, FutFldExpPol: a. RFPG_NUM is required to include a two-digit code for each region. For example, all entries within this column for this feature class show "7" where "07" is required. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.
T02B	TWDB - Tech Memo		3. GIS Feature Class: Exhibit D Table 16, FutFldExpPol: b. Please address <Null> entry for the 'WS_ID' field. Note: This field may be left blank if the character string is too long for field length.	Yes	Tech Memo data was an interim work product and has been revised.
T02B	TWDB - Tech Memo		3. GIS Feature Class: Exhibit D Table 16, FutFldExpPol: c. Both the required fields POP_DAY and POP_NIGHT appear to have "0" values for some building entries. Please review, confirm or populate, as appropriate.	Yes	Tech Memo data was an interim work product and has been revised.
T02B	TWDB - Tech Memo		4. GIS Feature Class: Exhibit D Table 17, FutFldExpLn: a. RFPG_NUM is required to include a two-digit code for each region. For example, all entries within this column for this feature class show "7" where "07" is required. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.
T02B	TWDB - Tech Memo		4. GIS Feature Class: Exhibit D Table 17, FutFldExpLn: b. Please address <Null> entry for the 'WS_ID' field. Note: This field may be left blank if the character string is too long for field length.	Yes	Tech Memo data was an interim work product and has been revised.
T02B	TWDB - Tech Memo		5. GIS Feature Class: Exhibit D Table 18, FutFldExpPt: a. RFPG_NUM is required to include a two-digit code for each region. For example, all entries within this column for this feature class show "7" where "07" is required. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.

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T02B	TWDB - Tech Memo	5.	GIS Feature Class: Exhibit D Table 18, FutFldExpPt: b. Please address <Null> entry for the 'WS_ID' field. Note: This field may be left blank if the character string is too long for field length.	Yes	Tech Memo data was an interim work product and has been revised.
T02B	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 19, FutFldExpAll: a. RFPG_NUM is required to include a two-digit code for each region. For example, all entries within this column for this feature class show "7" where "07" is required. Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.
T02B	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 19, FutFldExpAll: b. Please address <Null> entry for the 'WS_ID' field. Note: This field may be left blank if the character string is too long for field length.	Yes	Tech Memo data was an interim work product and has been revised.
T02B	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 19, FutFldExpAll: c. Both the required fields POP_DAY and POP_NIGHT appear to have "0" values for some building entries. Please review, confirm or populate as appropriate.	Yes	Tech Memo data was an interim work product and has been revised.
T02B	TWDB - Tech Memo	8.	Map Deliverable: Exhibit C 2.2.B.1 Map 9, Future Condition Flood Hazard - Gaps in Inundation Boundary Mapping and Identify known Flood Prone Areas: a. Refer to the Flood Planning Data Update email from March 10, 2022 included as an email attachment for information on adding Fut_Map_Gaps as a feature class. Please populate this new Fut_Map_Gaps feature class and consider displaying the REASON field in some way for Map 9. Entries for the REASON field could include: clearly outdated modeling and/or mapping, absence of modeling and/or mapping, or areas with modeling and/or mapping that requires update.	Yes	Tech Memo data was an interim work product and has been revised.
T02B	TWDB - Tech Memo	10.	Map Deliverable: Exhibit C 2.2.B.1 Map 11, Future Condition Flood Exposure: a. Please ensure that all maps include enough detail for the reader to understand what is being shown. It appears that Map 11-A/B includes 'Other' exposure type. Please consider specifying what "Other" includes.	Yes	Tech Memo data was an interim work product and has been revised.
T03A	TWDB - Tech Memo	1.	GIS Feature Class: Exhibit D Table 20, ExFpMP: a. The field RFPG_NUM contains invalid entries. Valid entries for this field include: 01-15. Please correct entries for this field using the appropriate region number. "07". Please reconcile.	Yes	Tech Memo data was an interim work product and has been revised.
T03A	TWDB - Tech Memo	1.	GIS Feature Class: Exhibit D Table 20, ExFpMP: b. Please ensure that all entries for RFPG_NAME are populated. All entries should include "Upper Brazos" as RFPG_NAME as described in Exhibit D.	Yes	Tech Memo data was an interim work product and has been revised.
T03A	TWDB - Tech Memo	1.	GIS Feature Class: Exhibit D Table 20, ExFpMP: c. Please ensure that all applicable and required fields are filled in for entries that have available information. It appears that data for REG_URL was not provided for any entity. If this information is available, please include it for each entry.	Yes	Tech Memo data was an interim work product and has been revised.
T03A	TWDB - Tech Memo	1.	GIS Feature Class: Exhibit D Table 20, ExFpMP: d. Please ensure all required fields are filled in for Exhibit D Table 20, ExFpMP with the correct, valid entry. Please reference Exhibit D for guidance on the valid entries unique to each field. The following fields were identified as require correction:	Yes	Tech Memo data was an interim work product and has been revised.

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T03A	TWDB - Tech Memo		1. GIS Feature Class: Exhibit D Table 20, ExFpMP: e. The entries appear to have issues with their length. Unique IDs must be accurate for the database to connect and work properly. Please refer to Exhibit D Table 2 or more recent updates for Unique ID guidance.	Yes	Tech Memo data was an interim work product and has been revised.
T03B	TWDB - Tech Memo		1. Tech Memo Text: Exhibit C 4C.1.g, Goals: a. The overarching goal of all regional flood plans must be "to protect against the loss of life and property", as set forth in the Guidance Principles in 31 TAC §362.3. RFPGs must identify specific and achievable flood mitigation and floodplain management goals that, when implemented, will demonstrate progress towards this overarching goal. Please ensure that all goals are consistent with this guidance.	Yes	Tech Memo data was an interim work product and has been revised.
T03B	TWDB - Tech Memo		1. Tech Memo Text: Exhibit C 4C.1.g, Goals: b. Please utilize guidance provided in Exhibit D Table 2 (page 17) for GOAL_ID. Please use fully numeric GOAL_IDs rather than alphanumeric.	Yes	Tech Memo data was an interim work product and has been revised.
T03B	TWDB - Tech Memo		1. Tech Memo Text: Exhibit C 4C.1.g, Goals: c. Where appropriate, please consider including baseline data or information to add greater context related to the achievability of goals. For example: a goal such as "Increase NFIP participation from 90 percent to 95 percent of communities in the region" facilitates measurement towards goal achievement.	Yes	Tech Memo data was an interim work product and has been revised.
T03B	TWDB - Tech Memo		2. GIS Feature Class: Exhibit D Table 21, Goals: a. The overarching goal of all regional flood plans must be "to protect against the loss of life and property", as set forth in the Guidance Principles in 31 TAC §362.3. RFPGs must identify specific and achievable flood mitigation and floodplain management goals that, when implemented, will demonstrate progress towards this overarching goal. Please ensure that all goals are consistent with this guidance.	Yes	Tech Memo data was an interim work product and has been revised.
T03B	TWDB - Tech Memo		2. GIS Feature Class: Exhibit D Table 21, Goals: b. Please utilize guidance provided in Exhibit D Table 2 (page 17) for GOAL_ID. Please use fully numeric GOAL_IDs rather than alphanumeric.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo		1. Tech Memo Text: Exhibit C 4C.1.h, Process to Identify FMSs and FMPs: a. SOW Task 4A 1.c: Item 3. "Inadequate inundation mapping". Please consider whether the impact of new Atlas 14 rainfall should be added to the "Factors to Consider" when determining if the FEMA inundation mapping is inadequate.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo		1. Tech Memo Text: Exhibit C 4C.1.h, Process to Identify FMSs and FMPs: b. SOW Task 4A 1.e: Item 5. "Emergency need". Please consider defining the emergency conditions and how infrastructure will be classified as damaged or failing.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo		1. Tech Memo Text: Exhibit C 4C.1.h, Process to Identify FMSs and FMPs: c. Exhibit C Item 4.B.12: Implementation issues did not appear to be included in the evaluation. Please reference potential implementation issues as a part of the process to identify FMSs and FMPs.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo		2. Tech Memo Text: Exhibit C 4C.1.i, Potential FMEs, FMSs, FMPs: a. See comments for FME, FMP, and FMS GIS Feature Classes.	Yes	Tech Memo data was an interim work product and has been revised.

Task	Comment By	TWDB #	Comment	Revision	Response or Revision
T04B	TWDB - Tech Memo	3.	Tech Memo Text: Exhibit C 4C.1.j, Infeasible FMEs, FMSs, FMPs: a. See comments for FME, FMP, and FMS GIS Feature Classes.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	4.	GIS Feature Class: Exhibit D Table 23, FME: a. For county-wide watershed strategies where the majority of the county falls outside of the RFPG boundary, please confirm that the strategy benefits the RFPG and please coordinate with other RFPGs to make sure that efforts are not duplicated. For example, FME: Terry and Dawson Counties	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	4.	GIS Feature Class: Exhibit D Table 23, FME: b. Please make sure the GIS layer is consistent with the table in the tech memo. There are 118 feature class in GIS layer compared to 120 in the Tech memo. For example, FME_IDs 071000039 and 071000074 appear to be missing in the GIS layer.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	4.	GIS Feature Class: Exhibit D Table 23, FME: c. Please make sure the sponsor field is correct in the GIS layer, currently Sponsor Field is filled with Entity ID instead of actual sponsor.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	4.	GIS Feature Class: Exhibit D Table 23, FME: d. Please ensure all required fields are populated with appropriate values and include the addition of the LWC and MODEL_ID fields.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	5.	GIS Feature Class: Exhibit D Table 24, FMP: a. Please make sure GIS layer is consistent with the table in the tech memo. There are 27 feature class in GIS layer compared to 30 in Tech memo. For example, FMP_IDs 073000023, 073000024, 073000026 are missing in GIS layer. Please make sure sponsor field is correct in the GIS layer, currently Sponsor Field is filled with ENTITY_ID instead of actual sponsor.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 26, FMS: a. Exhibit C Item 2.4.B Number 3 p. 54: Please review FMSs to ensure they are correctly categorized. For example, FMS IDs: 072000106-072000138 property acquisition and structural elevation could be an FMP-Non-Structural. Based on examples in Exhibit C (pg. 53-54) these may be considered as FMPs. Please consider clarifying the descriptions regarding whether there are capital costs associated with the solution and/or recategorizing to an FMP. If sufficient details are not available to list as FMP, it may be included as an FMS.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 26, FMS: b. FMSs can only include non-recurring non-capital cost. Ensure that the "Infrastructure Projects" don't have a capital cost. If Preliminary Engineering is needed, consider re- classifying as an FME. If sufficient details are not available to list as FME, it may be included as an FMS.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 26, FMS: c. Please make sure GIS layer is consistent with the table in the tech memo. There are 163 feature class in GIS layer compared to 165 in Tech memo. For example, FMS_IDs 073000023, 073000024, 07200026, 07200066 appear to be missing in the GIS layer.	Yes	Tech Memo data was an interim work product and has been revised.



Task	Comment By	TWDB #	Comment	Revision	Response or Revision
T04B	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 26, FMS: d. Please make sure sponsor field is correct in the GIS layer, currently Sponsor Field is filled with ENTITY_ID instead of actual sponsor. Please ensure other required fields are populated with appropriate values as listed in Exhibit D Table 26	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 26, FMS: e. Please use the exact term from the Valid Entries list, such as "Yes" instead of "Y" (WATER_SUP)	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 26, FMS: b. Please add the NRNC_COST and MODEL_ID fields. Refer to the Flood Planning Data Update email from January 31, 2022 included as an email attachment for more information on adding this field.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	6.	GIS Feature Class: Exhibit D Table 26, FMS: c. Please include the estimated non-recurring, non-capital cost, and the estimated total strategy cost separately. Refer to "New Field for FMS Feature Class and Spreadsheet" FloodPlanning email from December 14, 2021, for more detail on how to properly include this data.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	7.	GIS Feature Class: Exhibit D Table 22, Streams: a. Please review FMP_ID 073000019 feature to check if there are streams inside the project boundary.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	7.	GIS Feature Class: Exhibit D Table 22, Streams: b. Please review FME_ID 071000029, 071000023, 071000094 to check for streams.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	7.	GIS Feature Class: Exhibit D Table 22, Streams: c. Unique ID Guidance: STREAM_IDs are missing the leading 0. Please reconcile. Unique IDs must be accurate for the database to connect and work properly. Refer to Exhibit D Table 2 or more recent updates for Unique ID guidance.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	7.	GIS Feature Class: Exhibit D Table 22, Streams: d. Please populate the required STR_NAME field.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	8.	GIS Feature Class: Exhibit D Table 4, Watersheds: a. Please make sure WS_NAME is filled with actual name of the watershed. There are some cases (E.g., WD_IDs 07000450, 07000467) where HUC-12 # is provided instead of the watershed name.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	8.	GIS Feature Class: Exhibit D Table 4, Watersheds: b. When creating the FMEs, FMPs, FMSs feature classes, please be sure to include those watersheds identified as part of the Watersheds feature class.	Yes	Tech Memo data was an interim work product and has been revised.
T04B	TWDB - Tech Memo	8.	GIS Feature Class: Exhibit D Table 4, Watersheds: c. Please add and populate the FME_ID, FMS_ID, FMP_ID, and EXPROJ_ID fields.	Yes	Tech Memo data was an interim work product and has been revised.