

VOLUME 2
Appendix 5-A to 5-B

REGION 5 NECHES

2023 REGIONAL FLOOD PLAN

JULY 2023

PREPARED FOR THE
REGION 5 NECHES FLOOD PLANNING GROUP

APPENDIX 5-A
SUPPLEMENTARY MAPS FOR CHAPTER 5

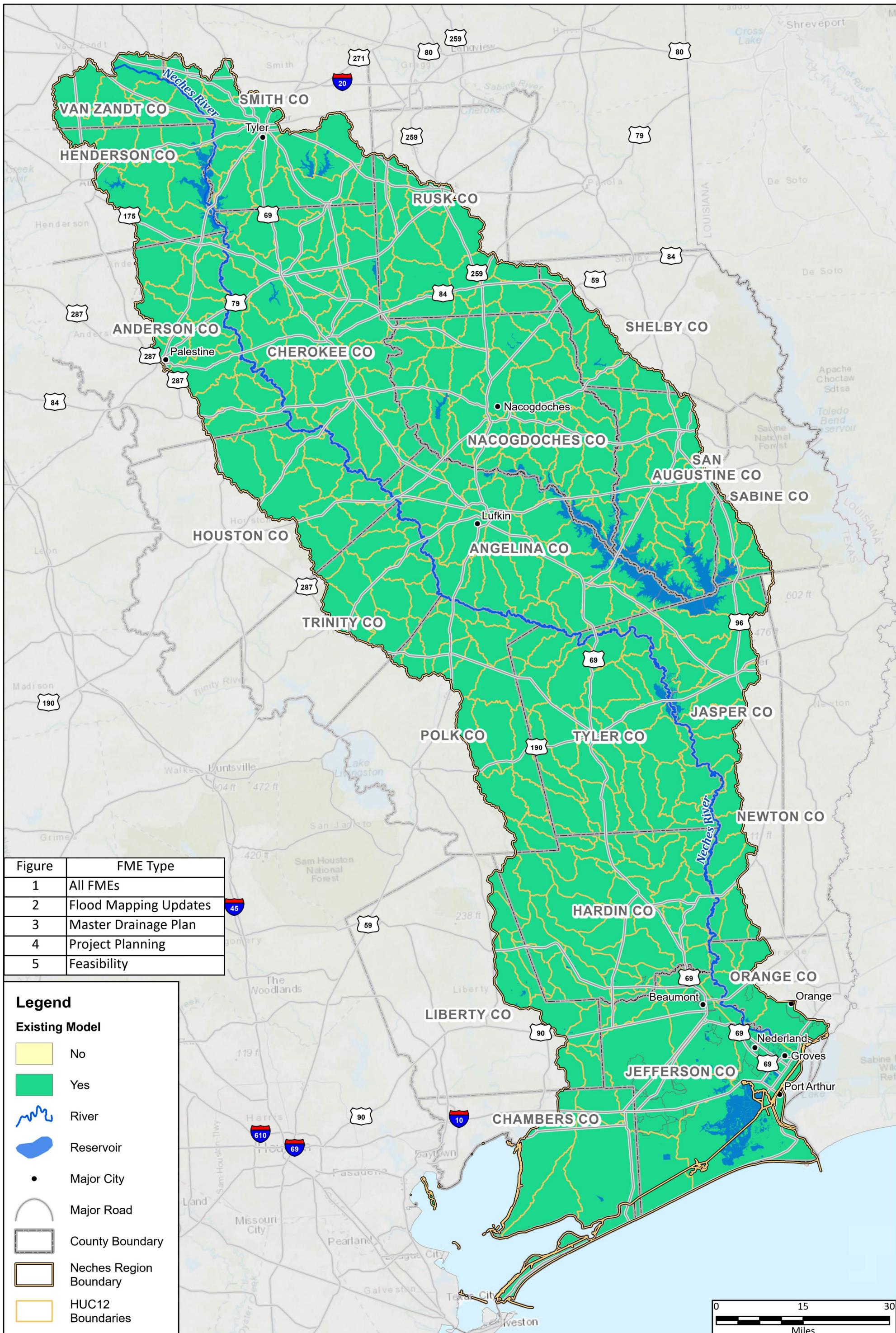
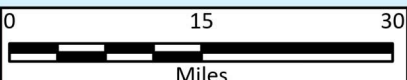


Figure	FME Type
1	All FMEs
2	Flood Mapping Updates
3	Master Drainage Plan
4	Project Planning
5	Feasibility

Legend

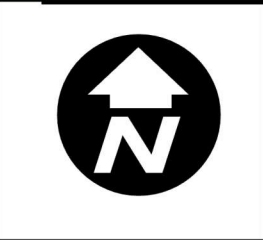
Existing Model

- No
- Yes
- River
- Reservoir
- Major City
- Major Road
- County Boundary
- Neches Region Boundary
- HUC12 Boundaries



Region 5: Neches Regional Flood Plan
FMEs, FMSs, and FMPs

**Extent of Recommended Flood Management Evaluations
and Existing Mapping Needs**



MAP
19
FIGURE
1 of 5

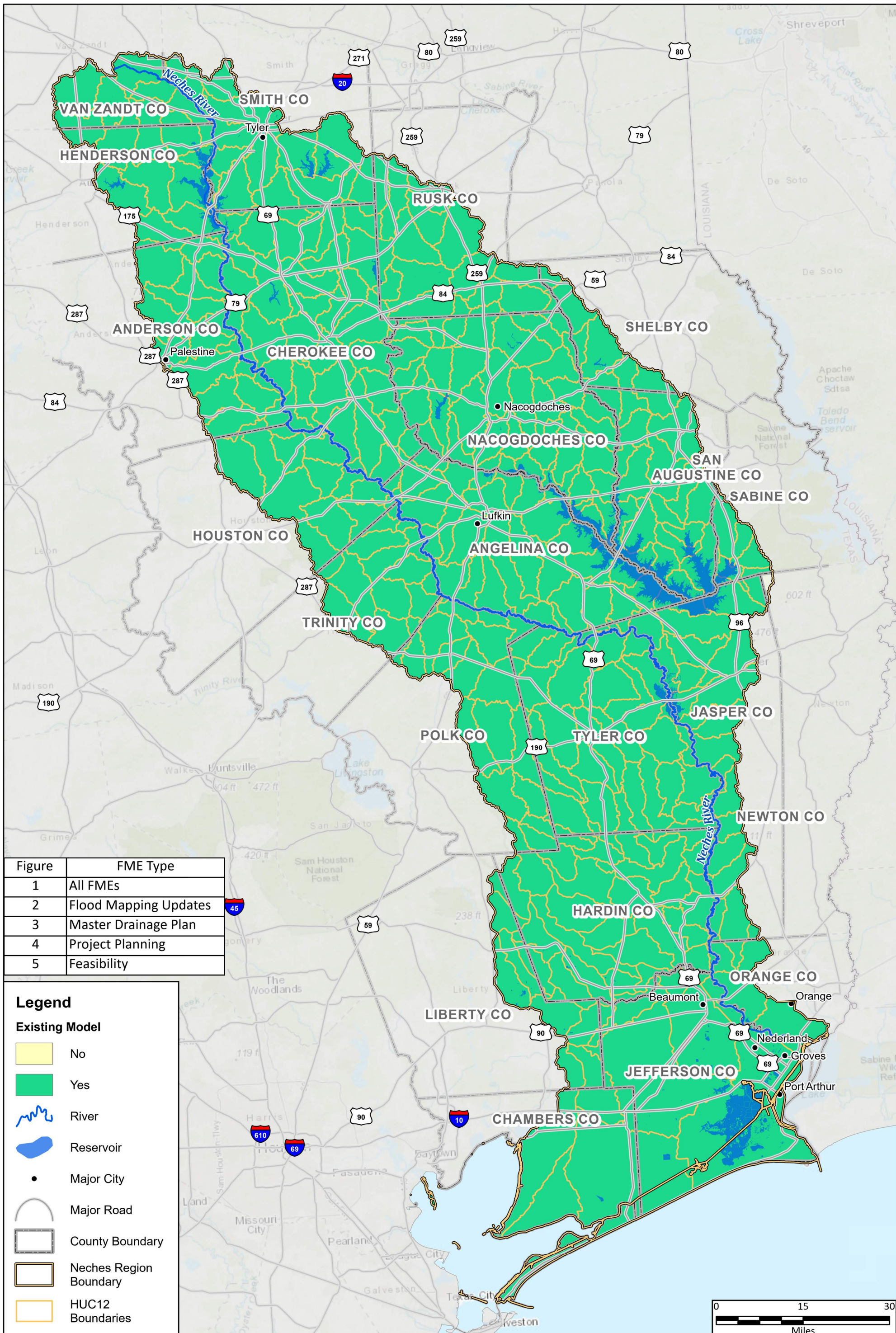
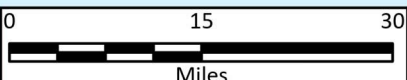


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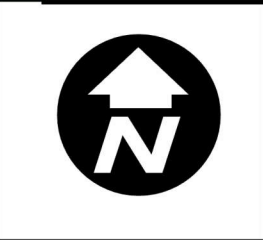
Existing Model

- No
- Yes
- River
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- Major Road
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- Neches Region Boundary
- HUC12 Boundaries



Region 5: Neches Regional Flood Plan
FMEs, FMSs, and FMPs

**Extent of Recommended Flood Management Evaluations
 and Existing Mapping Needs - Flood Mapping Updates**



MAP
19
 FIGURE
 2 of 5

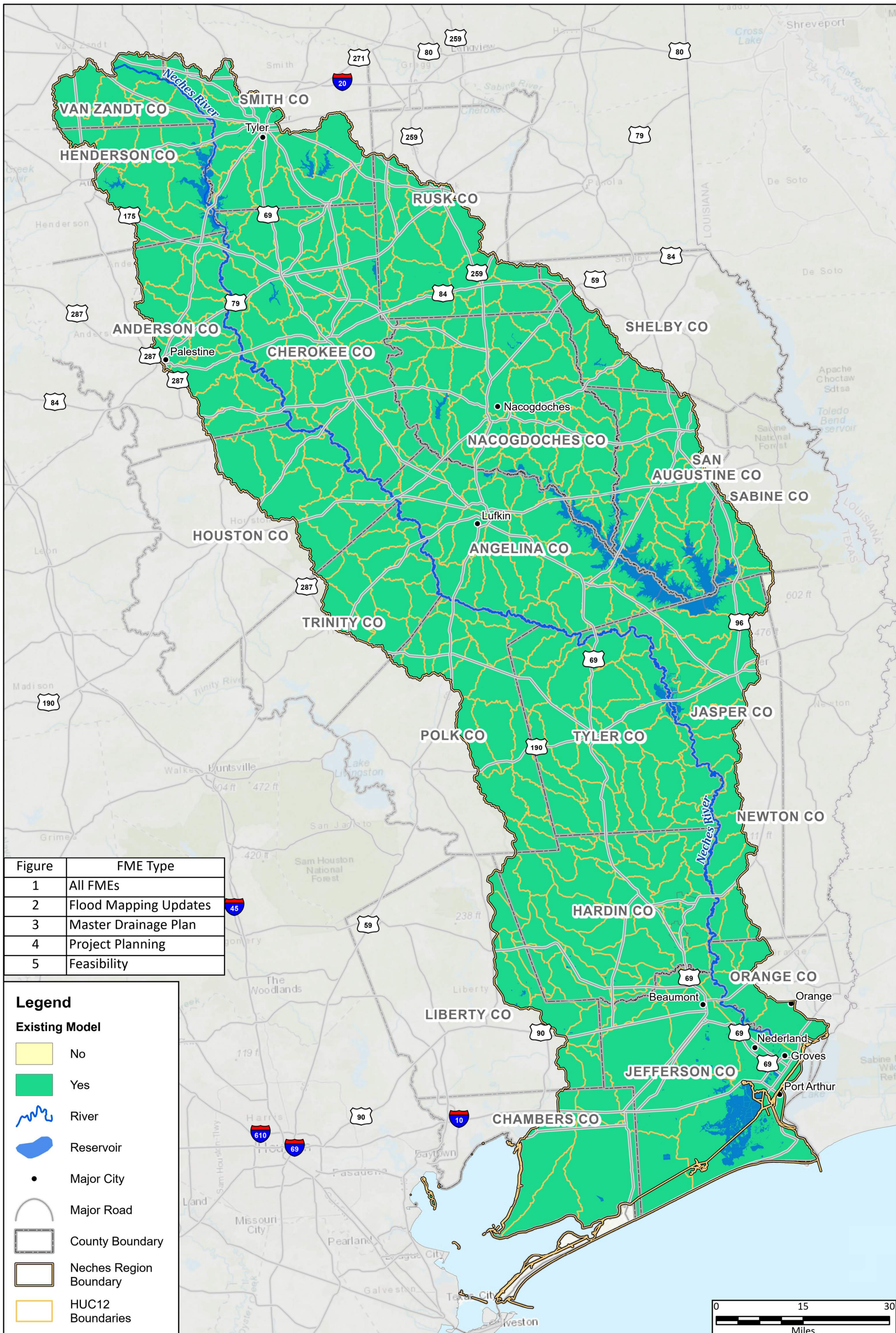
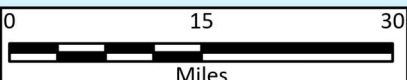


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4	Project Planning
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Legend

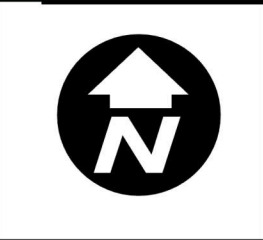
Existing Model

- No
- Yes
- River
- Reservoir
- Major City
- Major Road
- County Boundary
- Neches Region Boundary
- HUC12 Boundaries



Region 5: Neches Regional Flood Plan
FMEs, FMSs, and FMPs

**Extent of Recommended Flood Management Evaluations
and Existing Mapping Needs - Master Drainage Plan**



MAP
19
FIGURE
3 of 5

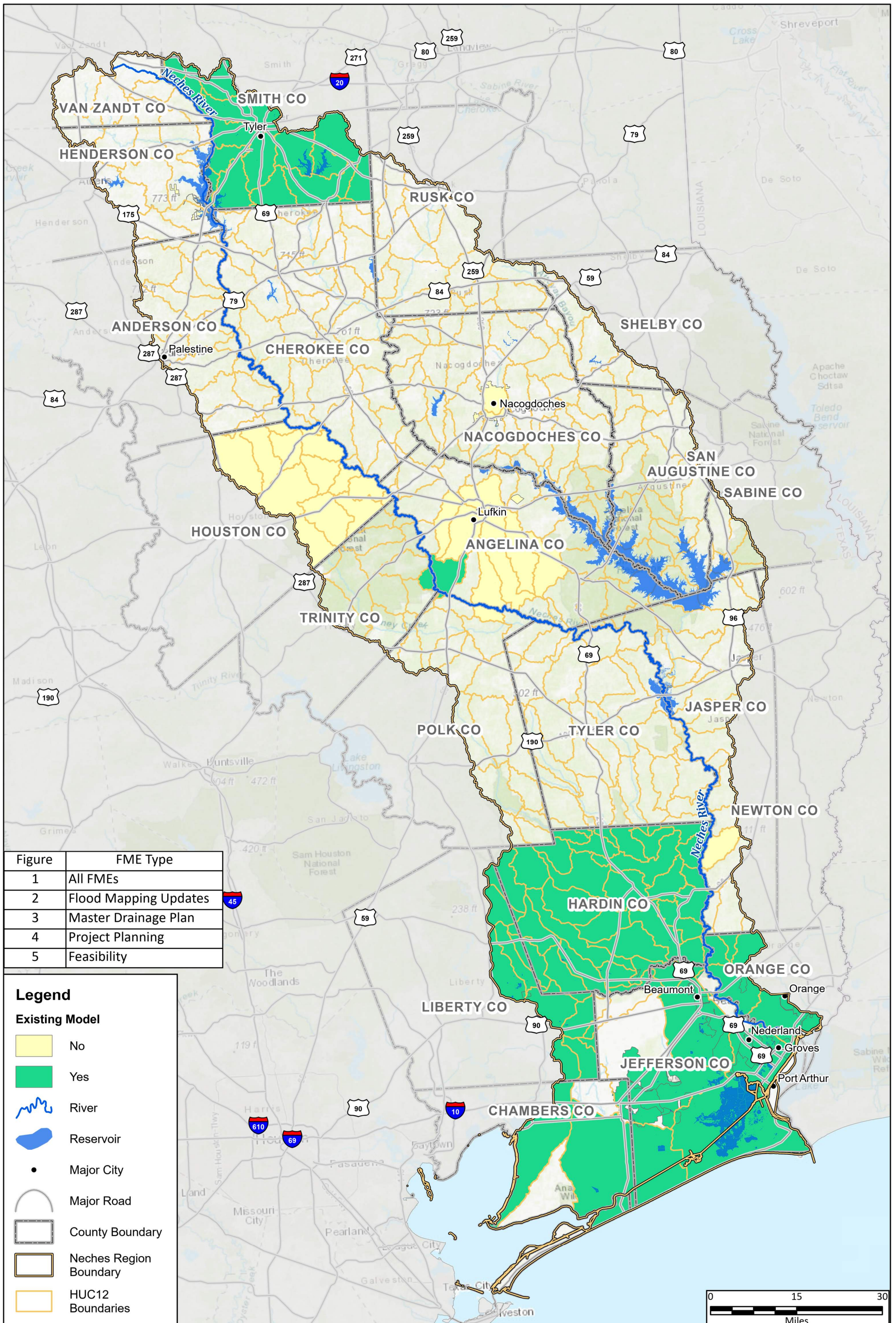
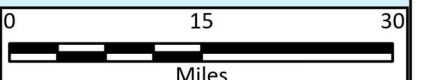


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2	Flood Mapping Updates
3	Master Drainage Plan
4	Project Planning
5	Feasibility

Legend

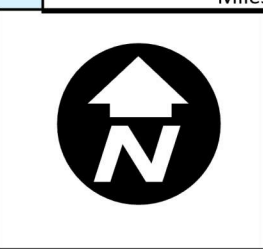
Existing Model

- No
- Yes
- River
- Reservoir
- Major City
- Major Road
- County Boundary
- Neches Region Boundary
- HUC12 Boundaries

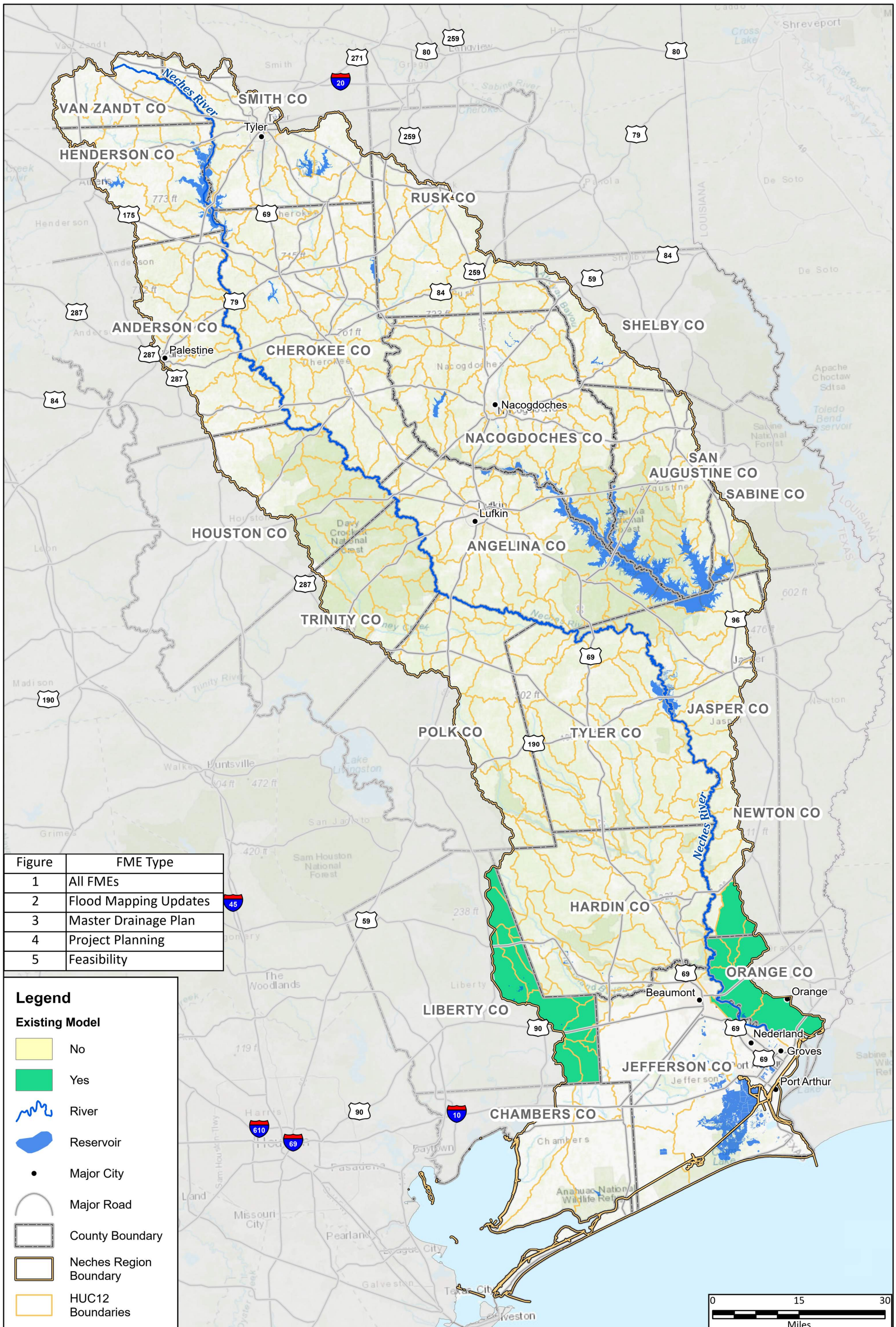


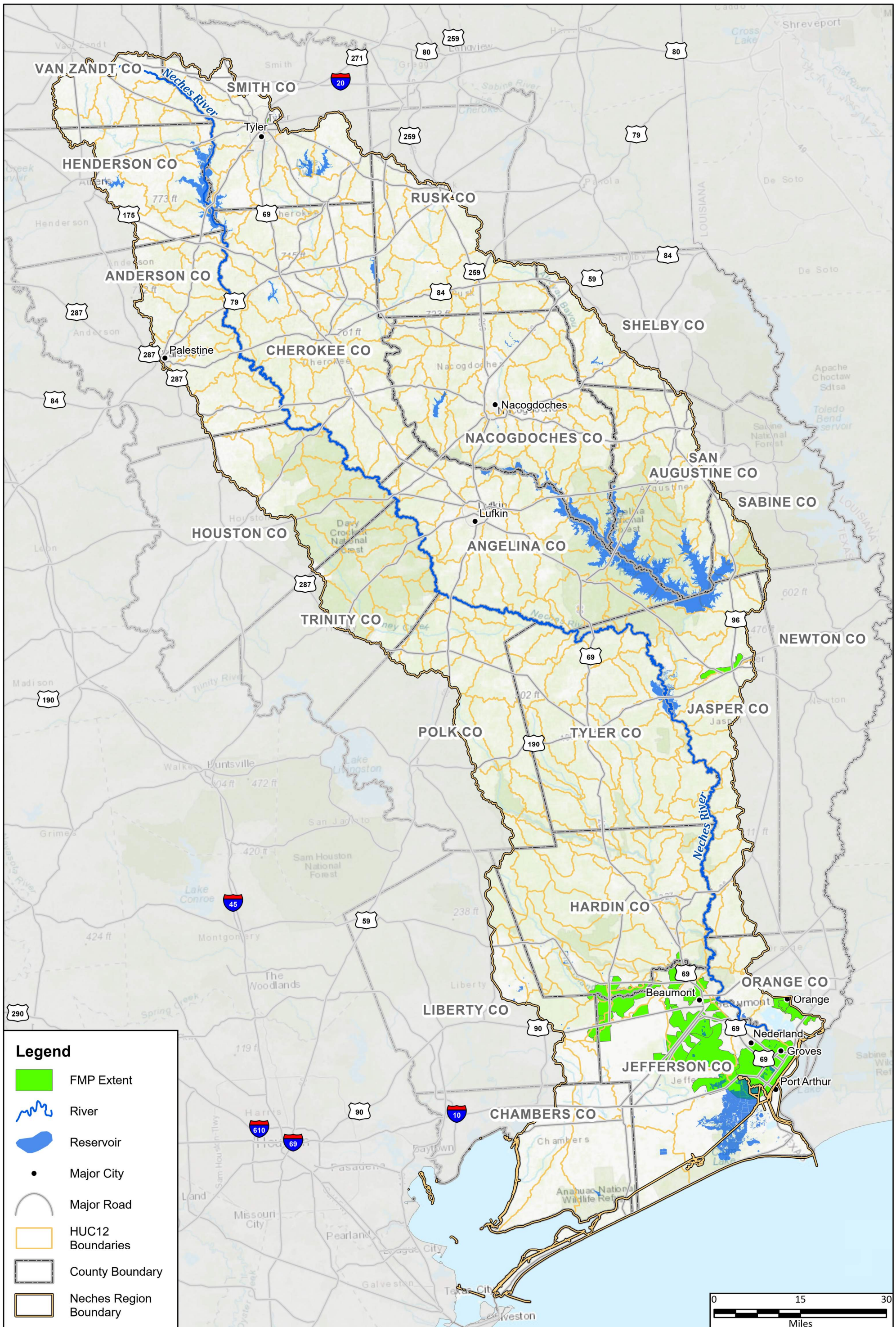
Region 5: Neches Regional Flood Plan
FMEs, FMSs, and FMPs

**Extent of Recommended Flood Management Evaluations
 and Existing Mapping Needs - Project Planning**



MAP
19
 FIGURE
 4 of 5





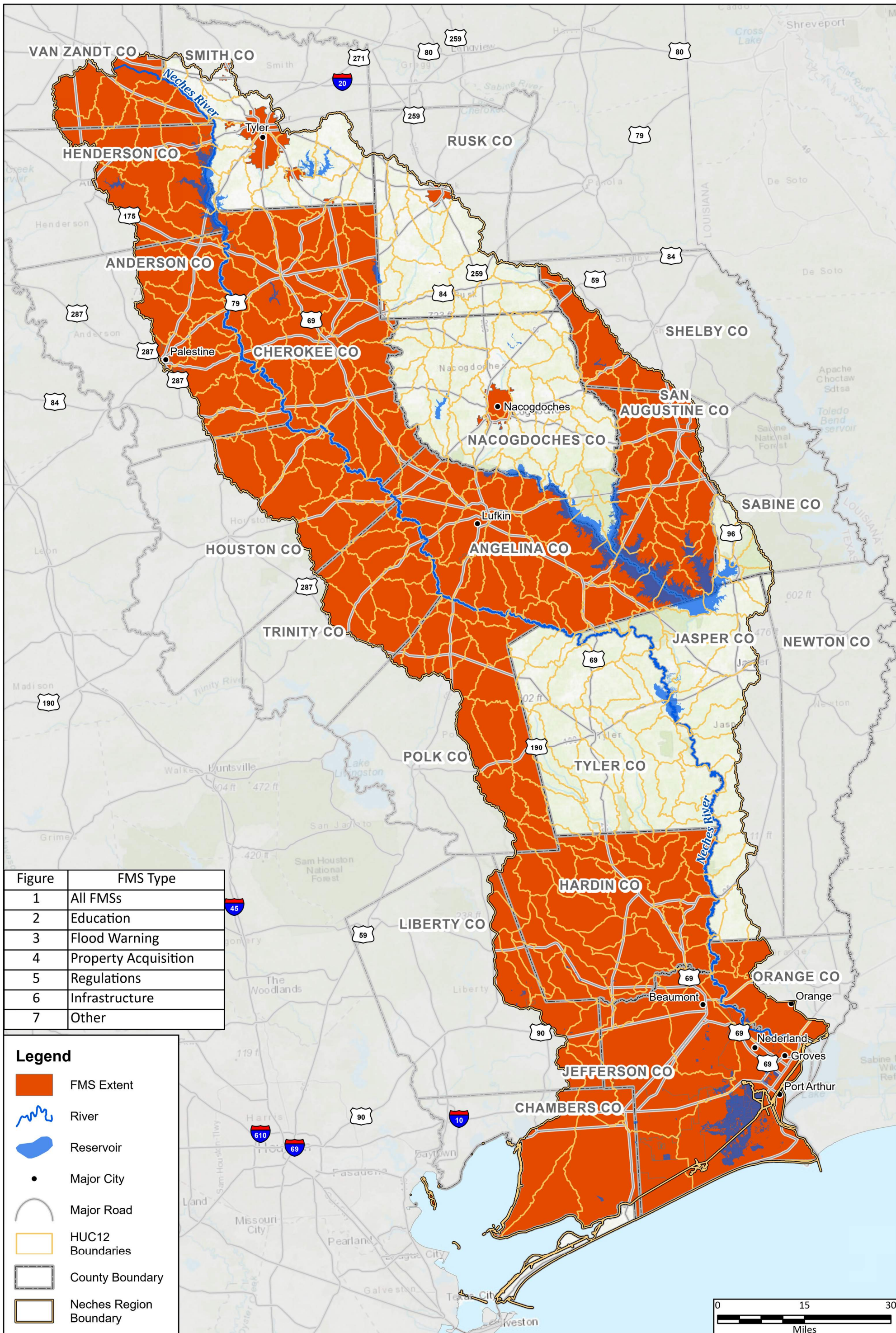


Figure	FMS Type
1	All FMSs
2	Education
3	Flood Warning
4	Property Acquisition
5	Regulations
6	Infrastructure
7	Other

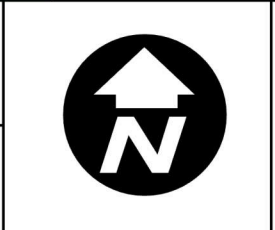
Legend

- FMS Extent
- River
- Reservoir
- Major City
- Major Road
- HUC12 Boundaries
- County Boundary
- Neches Region Boundary



Region 5: Neches Regional Flood Plan
FMEs, FMSs, and FMPs

Extent of Recommended Flood Management Strategies



MAP
21
 FIGURE
 1 of 7

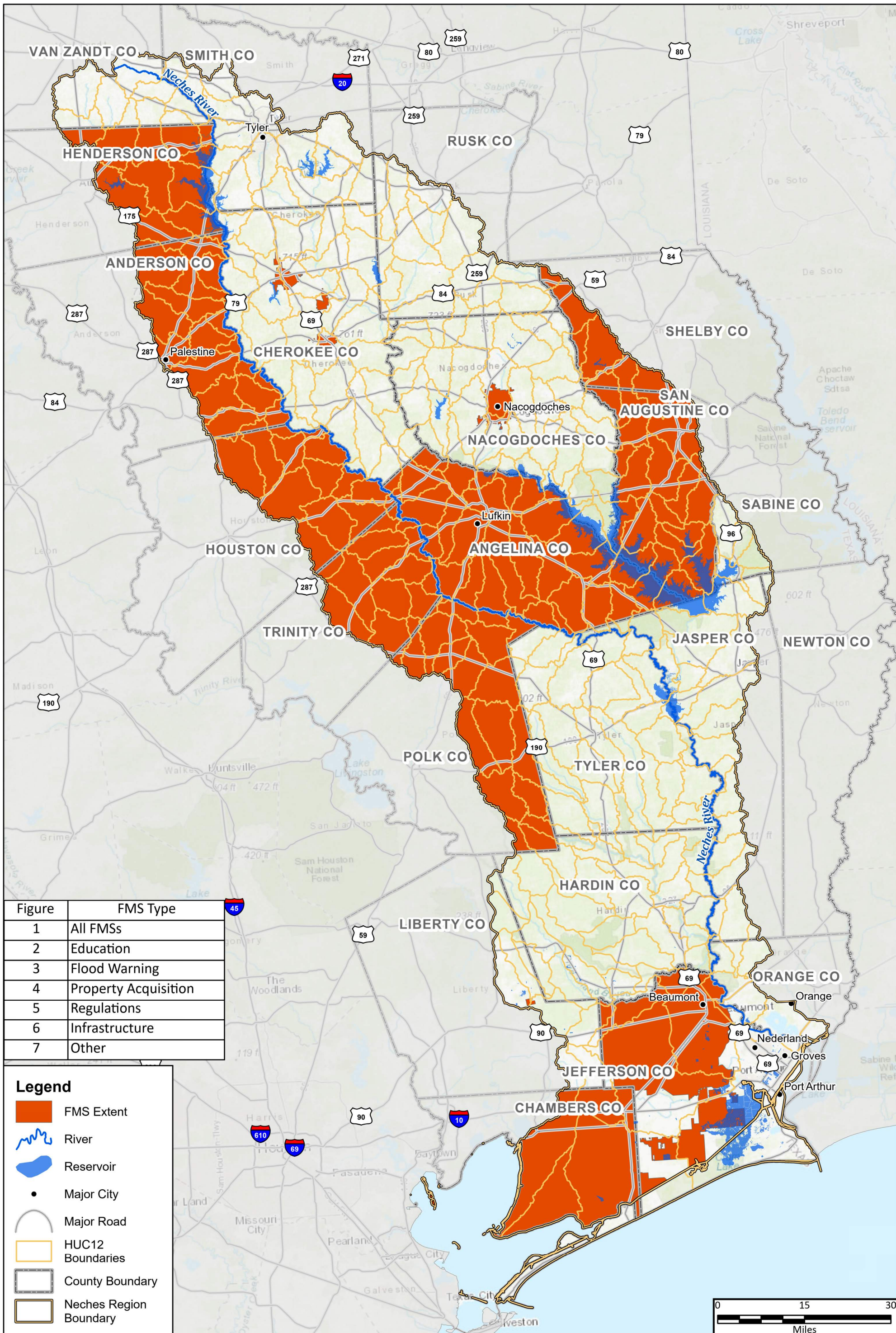
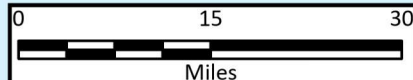


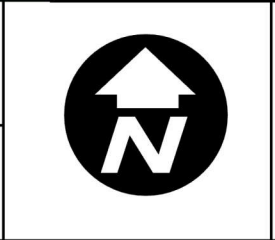
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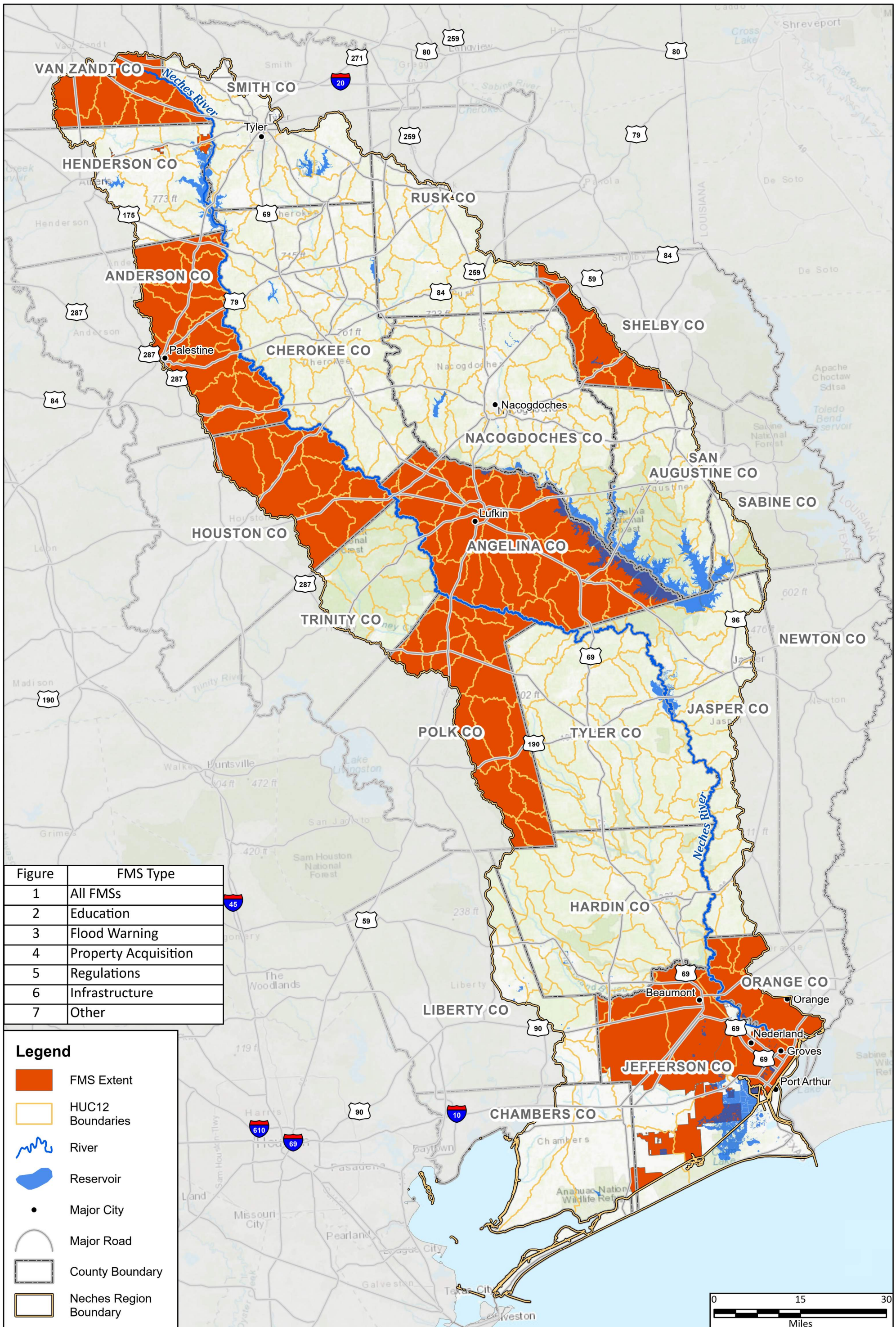
- FMS Extent
- River
- Reservoir
- Major City
- Major Road
- HUC12 Boundaries
- County Boundary
- Neches Region Boundary



Region 5: Neches Regional Flood Plan
FMEs, FMSs, and FMPs
Extent of Recommended Flood Management Strategies - Education



MAP
21
FIGURE
 2 of 7



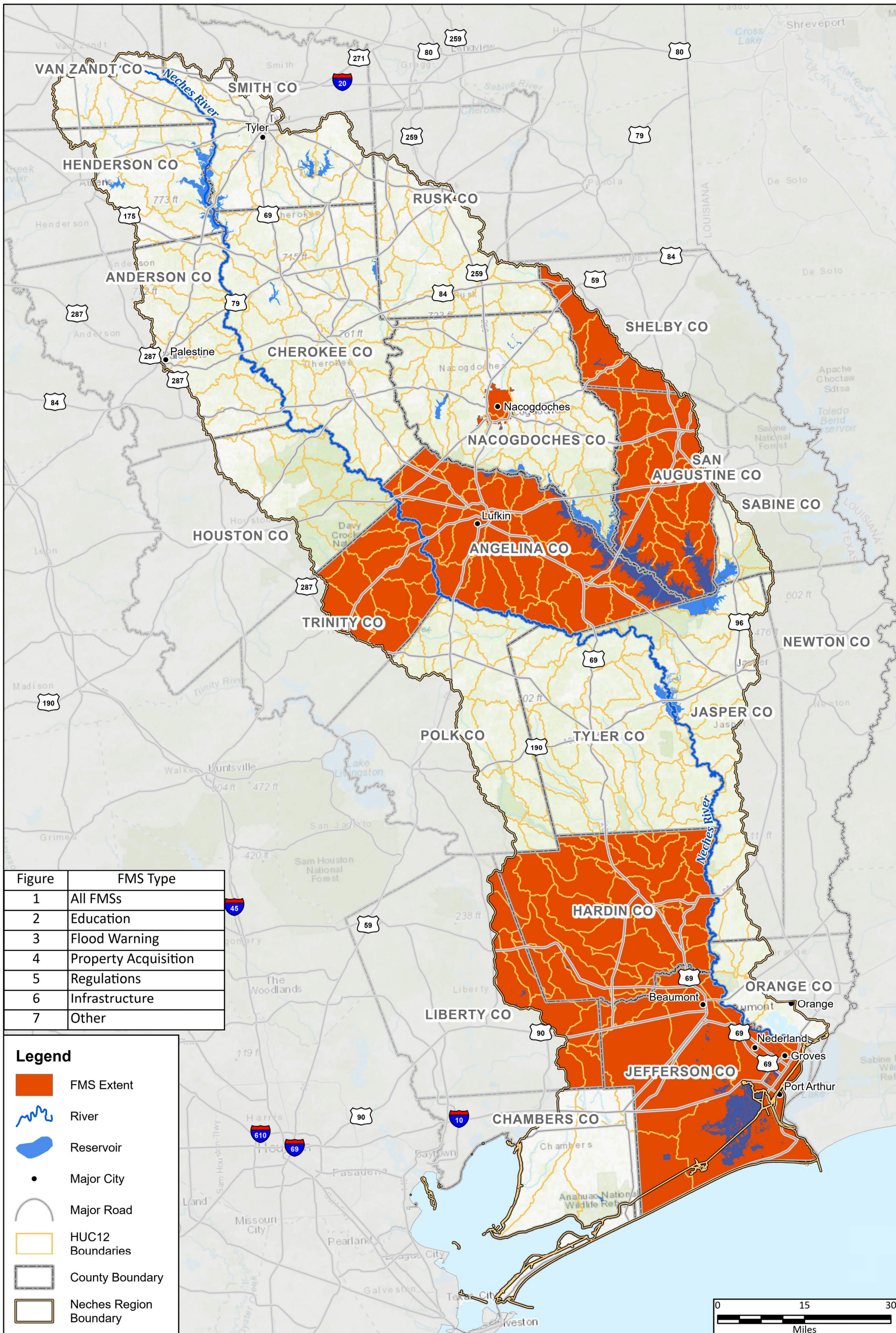
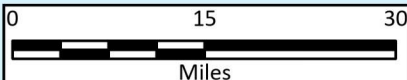


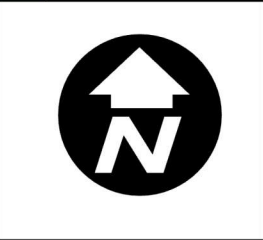
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6	Infrastructure
7	Other

Legend

- FMS Extent
- River
- Reservoir
- Major City
- Major Road
- HUC12 Boundaries
- County Boundary
- Neches Region Boundary



Region 5: Neches Regional Flood Plan
FMEs, FMSs, and FMPs
Extent of Recommended Flood Management Strategies - Property Acquisition



MAP
21
 FIGURE
 4 of 7

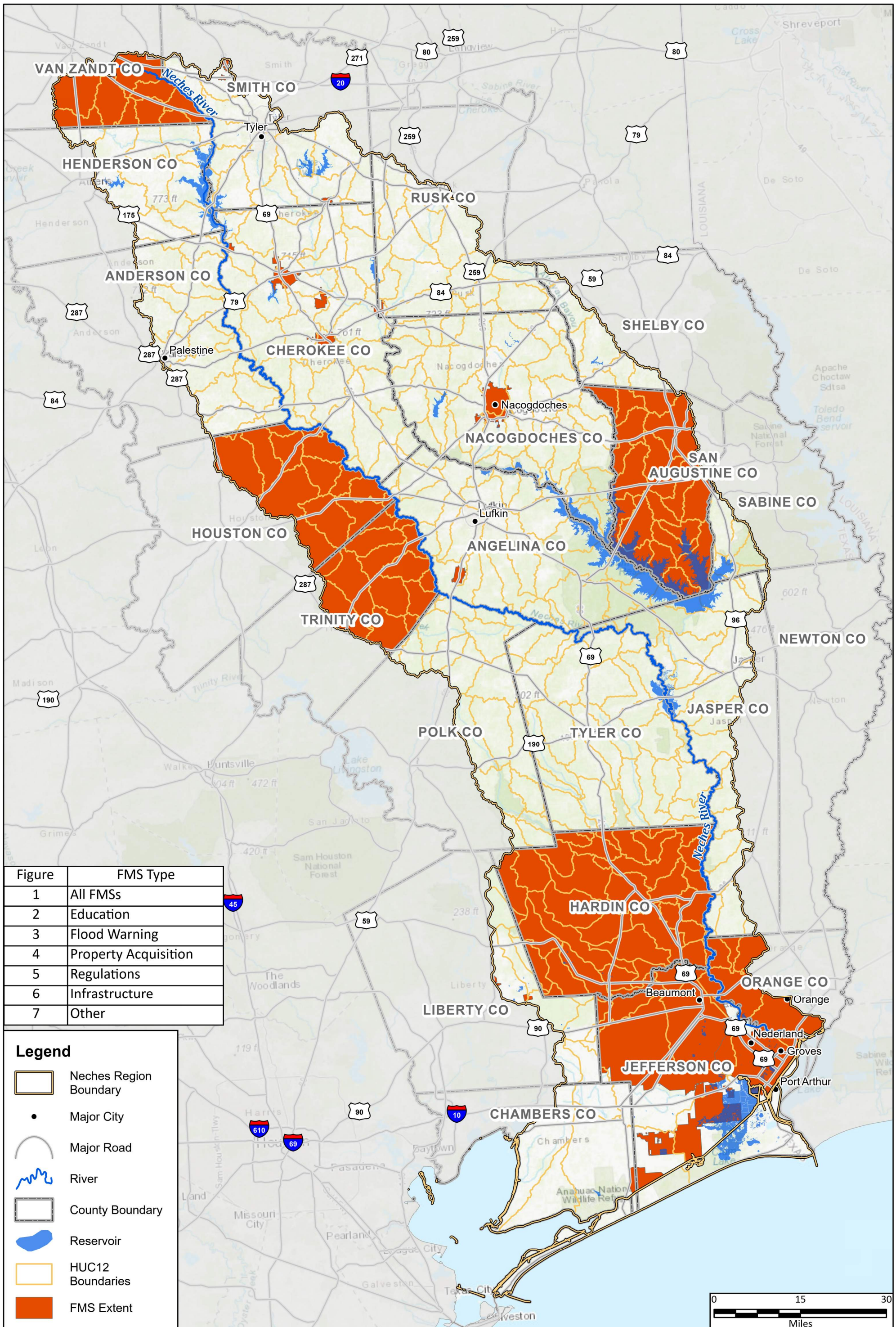










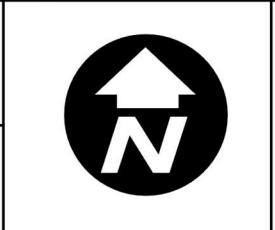
Figure	FMS Type
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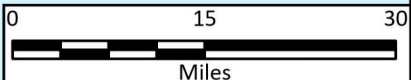
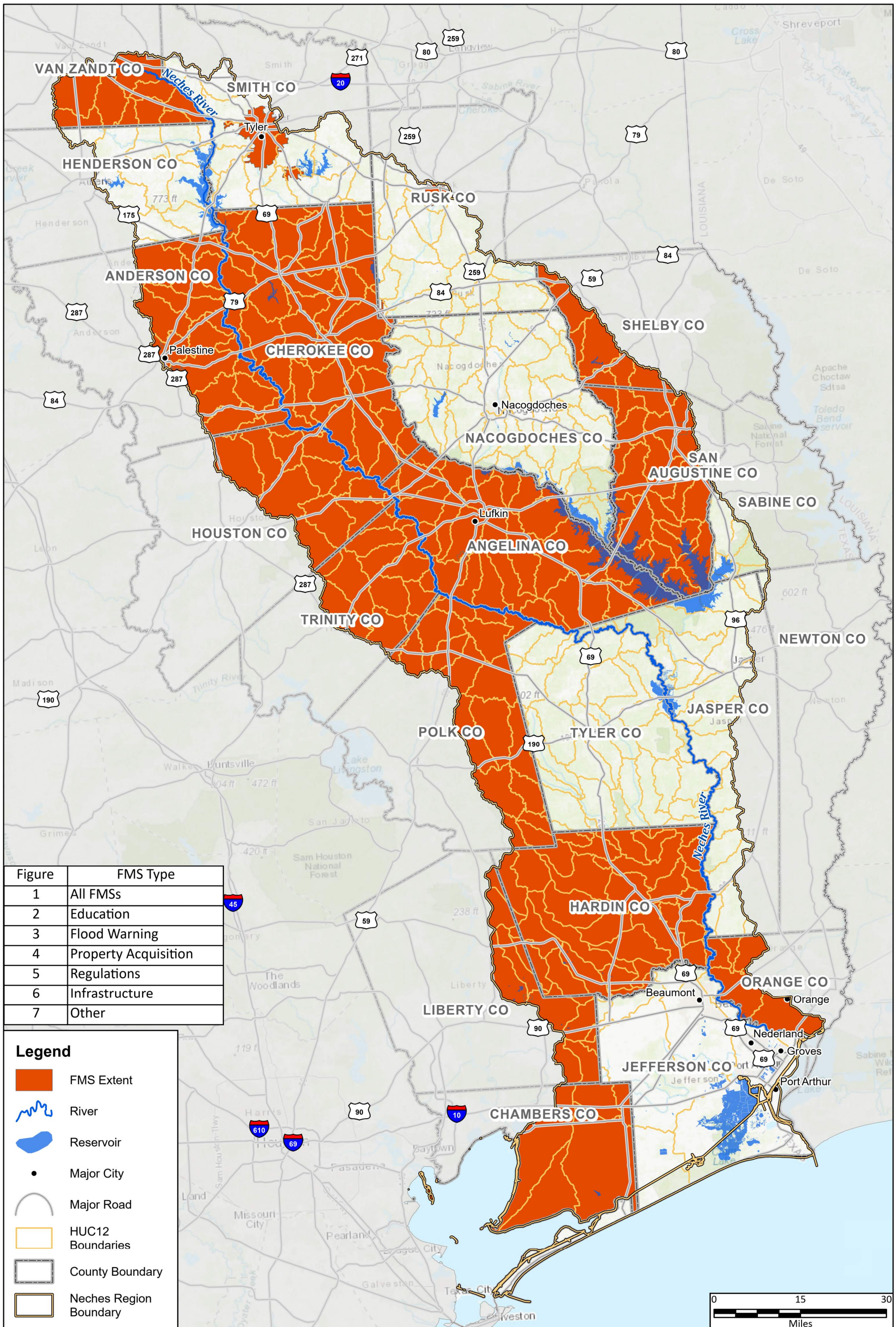
-  Neches Region Boundary
-  Major City
-  Major Road
-  River
-  County Boundary
-  Reservoir
-  HUC12 Boundaries
-  FMS Extent

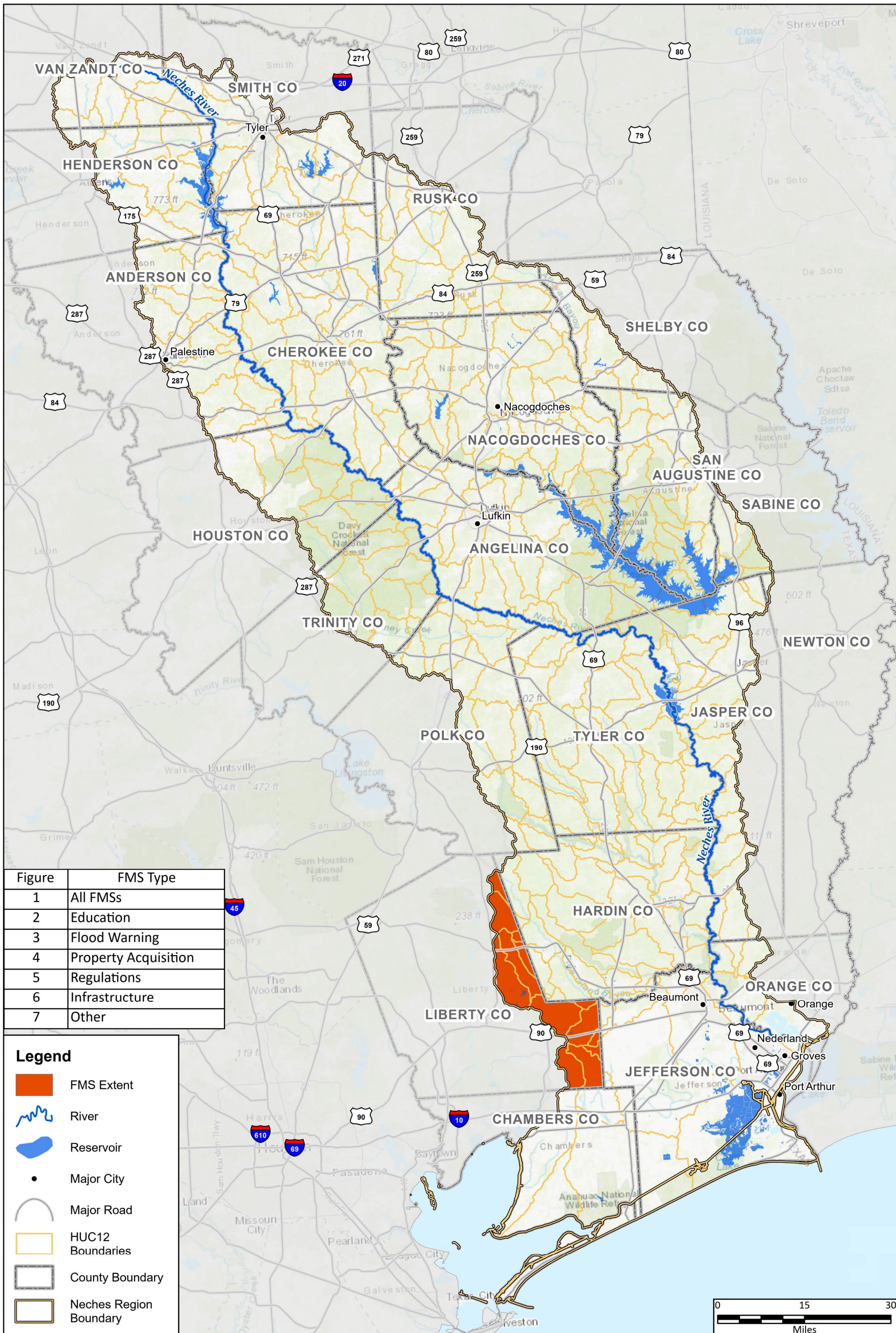


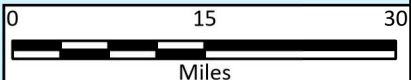
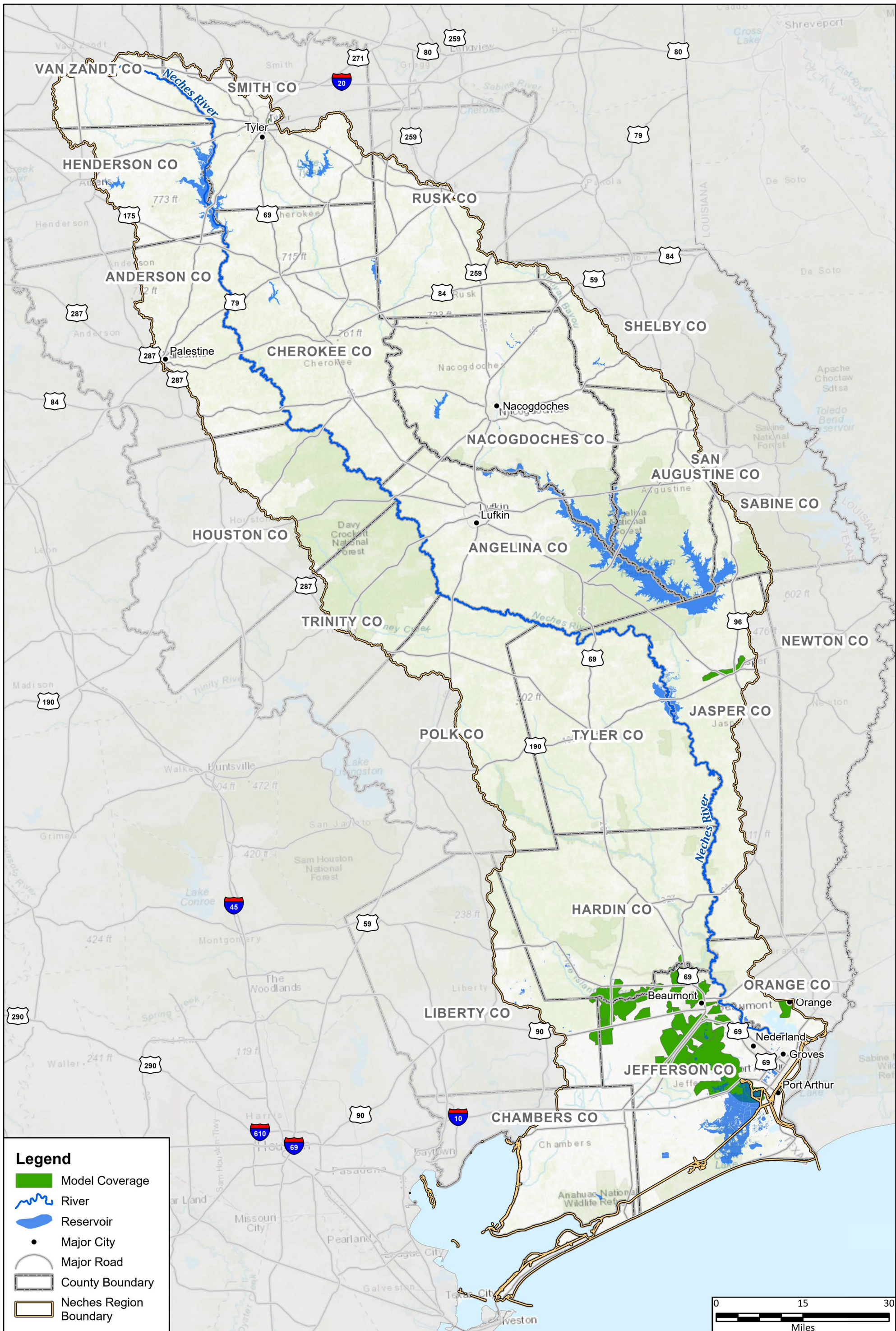
Region 5: Neches Regional Flood Plan
FMEs, FMSs, and FMPs
Extent of Recommended Flood Management Strategies - Regulations



MAP
21
 FIGURE
 5 of 7







APPENDIX 5-B
TABLES OF RECOMMENDED FLOOD MANAGEMENT EVALUATIONS, FLOOD
MANAGEMENT STRATEGIES, AND FLOOD MITIGATION PROJECTS

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000001	Anderson County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Anderson	12020001	Various	Upper Neches	495
051000002	Angelina County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Angelina	12020002, 12020003, 12020004, 12020005	Various	Middle Neches, Lower Neches, Upper Angelina, Lower Angelina	861
051000003	Chambers County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Chambers	12040201, 12040202, 12040203, 12040204	120402030200, 120402020100, 120402020400, 120402020500, 120402020200, 120402020300, 120402040200, 120402010100	Sabine Lake, East Galveston Bay, North Galveston Bay, West Galveston Bay	434
051000004	Cherokee County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Cherokee	12020001, 12020002, 12020004	Various	Upper Neches, Middle Neches, Upper Angelina	1,058
051000005	Galveston County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Galveston	12040202, 12040204	120402020100, 120402020400, 120402020500, 120402020300, 120402040200	East Galveston Bay, West Galveston Bay	57
051000006	Hardin County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Hardin	12020003, 12020006, 12020007	Various	Lower Neches, Village, Pine Island Bayou	888

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000001	Anderson County Update Flood Hazard Mapping	Riverine	Anderson	Anderson	Yes	\$2,236,919	Yes	Complies with RFPG Goals
051000002	Angelina County Update Flood Hazard Mapping	Riverine	Angelina	Angelina	Yes	\$3,900,000	Yes	Complies with RFPG Goals
051000003	Chambers County Update Flood Hazard Mapping	Riverine, Coastal	Chambers	Chambers	Yes	\$652,546	Yes	Complies with RFPG Goals
051000004	Cherokee County Update Flood Hazard Mapping	Riverine	Cherokee	Cherokee	Yes	\$4,800,000	Yes	Complies with RFPG Goals
051000005	Galveston County Update Flood Hazard Mapping	Riverine, Coastal	Galveston	Galveston	Yes	\$68,502	Yes	Complies with RFPG Goals
051000006	Hardin County Update Flood Hazard Mapping	Riverine	Hardin	Hardin	Yes	\$1,800,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000007	Henderson County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Henderson	12020001	120200010203, 120200010404, 120200010205, 120200010206, 120200010301, 120200010302, 120200010304, 120200010103, 120200010202, 120200010204, 120200010305, 120200010303, 120200010307, 120200010403, 120200010405	Upper Neches	374
051000008	Houston County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Houston	12020001, 12020002	120200010509, 120200010705, 120200010701, 120200010702, 120200010703, 120200020101, 120200020203, 120200020206, 120200020204, 120200020402, 120200020401, 120200020102, 120200020103, 120200020104, 120200020106, 120200020202	Upper Neches, Middle Neches	418
051000009	Jasper County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Jasper	12020002, 12020003, 12020005	Various	Middle Neches, Lower Neches, Lower Angelina	615
051000010	Jefferson County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Jefferson	12020003, 12020007, 12040201, 12040202	120200030407, 120200030405, 120200030406, 120200070110, 120200070105, 120200070201, 120200070205, 120200070304, 120200070303, 120402020500, 120402020200, 120402020300, 120402010500, 120402010100, 120402010200, 120402010300	Lower Neches, Pine Island Bayou, Sabine Lake, East Galveston Bay	954

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000007	Henderson County Update Flood Hazard Mapping	Riverine	Henderson	Henderson	Yes	\$1,681,614	Yes	Complies with RFPG Goals
051000008	Houston County Update Flood Hazard Mapping	Riverine	Houston	Houston	Yes	\$1,697,174	Yes	Complies with RFPG Goals
051000009	Jasper County Update Flood Hazard Mapping	Riverine	Jasper	Jasper	Yes	\$1,210,721	Yes	Complies with RFPG Goals
051000010	Jefferson County Update Flood Hazard Mapping	Riverine, Coastal	Jefferson	Jefferson	Yes	\$1,900,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000011	Liberty County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Liberty	12020007, 12030203, 12040201, 12040202	120200070109, 120200070102, 120200070101, 120200070110, 120200070104, 120200070105, 120200070107, 120200070106, 120200070103, 120200070108, 120200070201, 120302030202, 120402020100, 120402020200, 120402010100	Pine Island Bayou, Lower Trinity, Sabine Lake, East Galveston Bay	235
051000012	Nacogdoches County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Nacogdoches	12020004, 12020005	Various	Upper Angelina, Lower Angelina	977
051000013	Orange County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Orange	12010005, 12020003, 12040201	120200030407, 120200030404, 120200030405, 120200030406, 120200030402, 120200030403, 120100051005, 120100051004, 120402010500	Lower Sabine, Lower Neches, Sabine Lake	156
051000014	Polk County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Polk	12020002, 12020006, 12020007	Various	Middle Neches, Village, Pine Island Bayou	535
051000015	Rusk County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Rusk	12020004, 12020005	Various	Upper Angelina, Lower Angelina	525
051000016	Sabine County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Sabine	12020005	120200050705, 120200050804, 120200050805, 120200050806, 120200050807, 120200050803, 120200050808, 120200050809	Lower Angelina	95

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000011	Liberty County Update Flood Hazard Mapping	Riverine	Liberty	Liberty	Yes	\$402,626	Yes	Complies with RFPG Goals
051000012	Nacogdoches County Update Flood Hazard Mapping	Riverine	Nacogdoches	Nacogdoches	Yes	\$4,400,000	Yes	Complies with RFPG Goals
051000013	Orange County Update Flood Hazard Mapping	Riverine, Coastal	Orange	Orange	Yes	\$760,000	Yes	Complies with RFPG Goals
051000014	Polk County Update Flood Hazard Mapping	Riverine	Polk	Polk	Yes	\$375,054	Yes	Complies with RFPG Goals
051000015	Rusk County Update Flood Hazard Mapping	Riverine	Rusk	Rusk	Yes	\$1,318,550	Yes	Complies with RFPG Goals
051000016	Sabine County Update Flood Hazard Mapping	Riverine	Sabine	Sabine	Yes	\$182,571	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000017	San Augustine County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	San Augustine	12020005	Various	Lower Angelina	533
051000018	Shelby County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Shelby	12020005	120200050303, 120200050301, 120200050307, 120200050401, 120200050402, 120200050403, 120200050404, 120200050405, 120200050701	Lower Angelina	160
051000019	Smith County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Smith	12020001, 12020004	Various	Upper Neches, Upper Angelina	510
051000020	Trinity County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Trinity	12020002	120200020203, 120200020207, 120200020205, 120200020206, 120200020204, 120200020304, 120200020303, 120200020305, 120200020306, 120200020402, 120200020401, 120200020403, 120200020404, 120200020405, 120200020407, 120200020202	Middle Neches	342
051000021	Tyler County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Tyler	12020002, 12020003, 12020006	Various	Middle Neches, Lower Neches, Village	932
051000022	Van Zandt County Update Flood Hazard Mapping	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	05000015, 05000016	Van Zandt	12020001	120200010201, 120200010203, 120200010205, 120200010206, 120200010301, 120200010101, 120200010102, 120200010103, 120200010105, 120200010202, 120200010204	Upper Neches	244

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000017	San Augustine County Update Flood Hazard Mapping	Riverine	San Augustine	San Augustine	Yes	\$904,125	Yes	Complies with RFPG Goals
051000018	Shelby County Update Flood Hazard Mapping	Riverine	Shelby	Shelby	Yes	\$711,827	Yes	Complies with RFPG Goals
051000019	Smith County Update Flood Hazard Mapping	Riverine	Smith	Smith	Yes	\$1,225,342	Yes	Complies with RFPG Goals
051000020	Trinity County Update Flood Hazard Mapping	Riverine	Trinity	Trinity	Yes	\$1,540,238	Yes	Complies with RFPG Goals
051000021	Tyler County Update Flood Hazard Mapping	Riverine	Tyler	Tyler	Yes	\$1,800,000	Yes	Complies with RFPG Goals
051000022	Van Zandt County Update Flood Hazard Mapping	Riverine	Van Zandt	Van Zandt	Yes	\$1,111,237	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000023	Anderson County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Anderson	12020001	Various	Upper Neches	495
051000024	Angelina County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Angelina	12020002, 12020003, 12020004, 12020005	Various	Middle Neches, Lower Neches, Upper Angelina, Lower Angelina	861
051000025	Chambers County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Chambers	12040201, 12040202, 12040203, 12040204	120402030200, 120402020100, 120402020400, 120402020500, 120402020200, 120402020300, 120402040200, 120402010100	Sabine Lake, East Galveston Bay, North Galveston Bay, West Galveston Bay	434
051000026	Cherokee County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Cherokee	12020001, 12020002, 12020004	Various	Upper Neches, Middle Neches, Upper Angelina	1,058

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000023	Anderson County Master Drainage Plan	Riverine	Anderson	Anderson	Yes	\$737,953	Yes	Complies with RFPG Goals
051000024	Angelina County Master Drainage Plan	Riverine	Angelina	Angelina	Yes	\$1,700,000	Yes	Complies with RFPG Goals
051000025	Chambers County Master Drainage Plan	Riverine, Coastal	Chambers	Chambers	Yes	\$1,600,000	Yes	Complies with RFPG Goals
051000026	Cherokee County Master Drainage Plan	Riverine	Cherokee	Cherokee	Yes	\$1,600,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000027	Hardin County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Hardin	12020003, 12020006, 12020007	Various	Lower Neches, Village, Pine Island Bayou	888
051000028	Henderson County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Henderson	12020001	120200010203, 120200010404, 120200010205, 120200010206, 120200010301, 120200010302, 120200010304, 120200010103, 120200010202, 120200010204, 120200010305, 120200010303, 120200010307, 120200010403, 120200010405	Upper Neches	374
051000029	Houston County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Houston	12020001, 12020002	120200010509, 120200010705, 120200010701, 120200010702, 120200010703, 120200020101, 120200020203, 120200020206, 120200020204, 120200020402, 120200020401, 120200020102, 120200020103, 120200020104, 120200020106, 120200020202	Upper Neches, Middle Neches	418
051000030	Jasper County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Jasper	12020002, 12020003, 12020005	Various	Middle Neches, Lower Neches, Lower Angelina	615

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000027	Hardin County Master Drainage Plan	Riverine	Hardin	Hardin	Yes	\$1,000,000	Yes	Complies with RFPG Goals
051000028	Henderson County Master Drainage Plan	Riverine	Henderson	Henderson	Yes	\$1,900,000	Yes	Complies with RFPG Goals
051000029	Houston County Master Drainage Plan	Riverine	Houston	Houston	Yes	\$610,983	Yes	Complies with RFPG Goals
051000030	Jasper County Master Drainage Plan	Riverine	Jasper	Jasper	Yes	\$1,200,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000031	Jefferson County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Jefferson	12020003, 12020007, 12040201, 12040202	120200030407, 120200030405, 120200030406, 120200070110, 120200070105, 120200070201, 120200070205, 120200070304, 120200070303, 120402020500, 120402020200, 120402020300, 120402010500, 120402010100, 120402010200, 120402010300	Lower Neches, Pine Island Bayou, Sabine Lake, East Galveston Bay	954
051000032	Liberty County Master Drainage Plan	Complete a county wide drainage plan, which can be used for regulatory purposes.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Liberty	12020007, 12030203, 12040201, 12040202	120200070109, 120200070102, 120200070101, 120200070110, 120200070104, 120200070105, 120200070107, 120200070106, 120200070103, 120200070108, 120200070201, 120302030202, 120402020100, 120402020200, 120402010100	Pine Island Bayou, Lower Trinity, Sabine Lake, East Galveston Bay	235
051000033	Nacogdoches County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Nacogdoches	12020004, 12020005	Various	Upper Angelina, Lower Angelina	977
051000034	Orange County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Orange	12010005, 12020003, 12040201	120200030407, 120200030404, 120200030405, 120200030406, 120200030402, 120200030403, 120100051005, 120100051004, 120402010500	Lower Sabine, Lower Neches, Sabine Lake	156

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000031	Jefferson County Master Drainage Plan	Riverine, Coastal	Jefferson	Jefferson	Yes	\$1,100,000	Yes	Complies with RFPG Goals
051000032	Liberty County Master Drainage Plan	Riverine	Liberty County Drainage District	Liberty County Drainage District	Yes	\$201,313	Yes	Complies with RFPG Goals
051000033	Nacogdoches County Master Drainage Plan	Riverine	Nacogdoches	Nacogdoches	Yes	\$1,900,000	Yes	Complies with RFPG Goals
051000034	Orange County Master Drainage Plan	Riverine, Coastal	Orange	Orange	Yes	\$450,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000035	Polk County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Polk	12020002, 12020006, 12020007	Various	Middle Neches, Village, Pine Island Bayou	535
051000036	Rusk County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Rusk	12020004, 12020005	Various	Upper Angelina, Lower Angelina	525
051000037	Sabine County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Sabine	12020005	120200050705, 120200050804, 120200050805, 120200050806, 120200050807, 120200050803, 120200050808, 120200050809	Lower Angelina	95
051000038	San Augustine County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	San Augustine	12020005	Various	Lower Angelina	533

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000035	Polk County Master Drainage Plan	Riverine	Polk	Polk	Yes	\$150,021	Yes	Complies with RFPG Goals
051000036	Rusk County Master Drainage Plan	Riverine	Rusk	Rusk	Yes	\$1,400,000	Yes	Complies with RFPG Goals
051000037	Sabine County Master Drainage Plan	Riverine	Sabine	Sabine	Yes	\$76,348	Yes	Complies with RFPG Goals
051000038	San Augustine County Master Drainage Plan	Riverine	San Augustine	San Augustine	Yes	\$379,732	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000039	Shelby County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Shelby	12020005	120200050303, 120200050301, 120200050307, 120200050401, 120200050402, 120200050403, 120200050404, 120200050405, 120200050701	Lower Angelina	160
051000040	Smith County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Smith	12020001, 12020004	Various	Upper Neches, Upper Angelina	510
051000041	Trinity County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Trinity	12020002	120200020203, 120200020207, 120200020205, 120200020206, 120200020204, 120200020304, 120200020303, 120200020305, 120200020306, 120200020402, 120200020401, 120200020403, 120200020404, 120200020405, 120200020407, 120200020202	Middle Neches	342
051000042	Tyler County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Tyler	12020002, 12020003, 12020006	Various	Middle Neches, Lower Neches, Village	932

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000039	Shelby County Master Drainage Plan	Riverine	Shelby	Shelby	Yes	\$1,250,000	Yes	Complies with RFPG Goals
051000040	Smith County Master Drainage Plan	Riverine	Smith	Smith	Yes	\$538,612	Yes	Complies with RFPG Goals
051000041	Trinity County Master Drainage Plan	Riverine	Trinity	Trinity	Yes	\$481,324	Yes	Complies with RFPG Goals
051000042	Tyler County Master Drainage Plan	Riverine	Tyler	Tyler	Yes	\$700,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000043	Van Zandt County Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Van Zandt	12020001	120200010201, 120200010203, 120200010205, 120200010206, 120200010301, 120200010101, 120200010102, 120200010103, 120200010105, 120200010202, 120200010204	Upper Neches	244
051000044	City of Palestine Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Anderson	12020001	120200010502, 120200010504	Upper Neches	7
051000045	City of Lufkin Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Angelina	12020002, 12020005	120200020301, 120200020302, 120200020308, 120200020502, 120200050104	Middle Neches, Lower Angelina	35
051000046	City of Jacksonville Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Cherokee	12020001, 12020004	120200010506, 120200040201, 120200040204	Upper Neches, Upper Angelina	17

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000043	Van Zandt County Master Drainage Plan	Riverine	Van Zandt	Van Zandt	Yes	\$484,386	Yes	Complies with RFPG Goals
051000044	City of Palestine Master Drainage Plan	Riverine	Palestine	Palestine	Yes	\$700,000	Yes	Complies with RFPG Goals
051000045	City of Lufkin Master Drainage Plan	Riverine	Lufkin	Lufkin	Yes	\$1,000,000	Yes	Complies with RFPG Goals
051000046	City of Jacksonville Master Drainage Plan	Riverine	Jacksonville	Jacksonville	Yes	\$560,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000047	City of Rusk Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Cherokee	12020001, 12020004	120200010601, 120200010602, 120200040206, 120200040207	Upper Neches, Upper Angelina	7
051000048	City of Lumberton Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Hardin	12020006, 12020007	120200060407, 120200070303	Village, Pine Island Bayou	11
051000049	City of Rose Hill Acres Master Drainage Plan	Develop drainage study to identify flood mitigation measures and drainage improvements including purchase of easements in the ETJ or a possible MOU to implement improvements.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Hardin	12020007	120200070303	Pine Island Bayou	0
051000050	City of Silsbee Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Hardin	12020003, 12020006	120200030401, 120200060406, 120200060407	Lower Neches, Village	8

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000047	City of Rusk Master Drainage Plan	Riverine	Rusk	Rusk	No	\$280,000	Yes	Complies with RFPG Goals
051000048	City of Lumberton Master Drainage Plan	Riverine	Lumberton	Lumberton	Yes	\$380,000	Yes	Complies with RFPG Goals
051000049	City of Rose Hill Acres Master Drainage Plan	Riverine	Rose Hill Acres	Rose Hill Acres	Yes	\$200,000	Yes	Complies with RFPG Goals
051000050	City of Silsbee Master Drainage Plan	Riverine	Silsbee	Silsbee	Yes	\$320,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000051	City of Athens Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Henderson	12020001	120200010303	Upper Neches	1
051000052	City of Jasper Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Jasper	12020003	120200030301, 120200030205	Lower Neches	11
051000053	City of Beaumont Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Jefferson	12020003, 12020007, 12040201	120200030405, 120200030406, 120200030407, 120200070205, 120200070303, 120200070304, 120402010200	Lower Neches, Pine Island Bayou, Sabine Lake	85
051000054	City of Nederland Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Jefferson	12020003, 12040201	120200030407, 120402010300	Lower Neches, Sabine Lake	6

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000051	City of Athens Master Drainage Plan	Riverine	Athens	Athens	No	\$31,056	Yes	Complies with RFPG Goals
051000052	City of Jasper Master Drainage Plan	Riverine	Jasper	Jasper	Yes	\$440,000	Yes	Complies with RFPG Goals
051000053	City of Beaumont Master Drainage Plan	Riverine, Coastal	Beaumont	Beaumont	Yes	\$600,000	Yes	Complies with RFPG Goals
051000054	City of Nederland Master Drainage Plan	Riverine, Coastal	Nederland	Nederland	Yes	\$240,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000055	City of Nacogdoches Update Flood Control Study	Conduct Flood Control Study and implement actions such as channelization, detention, retention, etc to stop repetitive flood losses.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Nacogdoches	12020004, 12020005	120200040704, 120200050101, 120200050102, 120200050106, 120200050201	Upper Angelina, Lower Angelina	28
051000056	City of Henderson Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Rusk	12020004	120200040401	Upper Angelina	10
051000057	City of Arp Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Smith	12020004	120200040106, 120200040102, 120200040101	Upper Angelina	3
051000058	City of Tyler Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Smith	12020001, 12020004	120200010301, 120200010302, 120200010104, 120200010105, 120200040104, 120200040103	Upper Neches, Upper Angelina	56

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000055	City of Nacogdoches Update Flood Control Study	Riverine	Nacogdoches	Nacogdoches	Yes	\$1,080,000	Yes	Complies with RFPG Goals
051000056	City of Henderson Master Drainage Plan	Riverine	Henderson	Henderson	No	\$480,000	Yes	Complies with RFPG Goals
051000057	City of Arp Master Drainage Plan	Riverine	Arp	Arp	No	\$1,300,000	Yes	Complies with RFPG Goals
051000058	City of Tyler Master Drainage Plan	Riverine	Tyler	Tyler	Yes	\$2,200,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000059	City of Whitehouse Master Drainage Plan	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000015, 05000016	Smith	12020004	120200040103, 120200040105, 120200040106	Upper Angelina	5
051000060	Willie Nerron Road and Gillan Creek Bridge Replacement	Evaluate bridge improvements (upgrade bridge and increase channel flow) to current crossing to develop costs, quantify benefits, evaluate impacts, and begin design.	05000007, 05000008	Angelina	12020005	120200050107	Lower Angelina	2
051000061	Hall Street over White Oak Creek Bridge Improvements	Evaluate alternatives to elevate bridge over White Oak Creek on Hall St going into the park	05000007, 05000008	Angelina	12020002	120200020306	Middle Neches	41
051000062	Preliminary Engineering of Gibsonville Street and Porterville Road Bridges Improvements	Evaluate alternatives to raise bridges on Gibsonville St. and Porterville Road to increase flow of creek under.	05000007, 05000008	Angelina	12020002	120200020501	Middle Neches	48
051000063	Shawnee Creek Concrete Canal	Evaluate project to quantify benefits, evaluate impacts, and begin design for a concrete canal for Shawnee Creek from Louisiana Street to 6th Street.	05000001, 05000002	Angelina	12020002	120200020505	Middle Neches	40
051000064	City of Lufkin Detention Pond Construction and Improvements	Evaluate project to quantify benefits, evaluate impacts, and begin design for a retention pond behind Inez Timms property. Increase holding capacity of existing retention ponds throughout the city.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000009, 05000010	Angelina	12020002, 12020005	120200020301, 120200020302, 120200020308, 120200020502, 120200050104	Middle Neches, Lower Angelina	220

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000059	City of Whitehouse Master Drainage Plan	Riverine	Whitehouse	Whitehouse	Yes	\$150,000	Yes	Complies with RFPG Goals
051000060	Willie Nerron Road and Gillan Creek Bridge Replacement	Riverine	Angelina	Angelina	No	\$325,000	Yes	Complies with RFPG Goals
051000061	Hall Street over White Oak Creek Bridge Improvements	Riverine	Diboll	Diboll	Yes	\$103,000	Yes	Complies with RFPG Goals
051000062	Preliminary Engineering of Gibsonville Street and Porterville Road Bridges Improvements	Riverine	Huntington	Huntington	No	\$650,000	Yes	Complies with RFPG Goals
051000063	Shawnee Creek Concrete Canal	Riverine	Huntington	Huntington	Yes	\$390,000	Yes	Complies with RFPG Goals
051000064	City of Lufkin Detention Pond Construction and Improvements	Riverine	Lufkin	Lufkin	Yes	\$82,500	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000065	Anahuac, North of Canal Drainage	Study to identify possible drainage improvements in the city limits of Anahuac. Study will focus on the area north of the Chambers-Liberty Counties Navigation District canal generally along N. Main Street, Texas Avenue, and Work Street.	05000001, 05000002	Chambers	12040202	120402020100	East Galveston Bay	139
051000066	Dredging West Fork- Double Bayou	Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include dredging West Fork- Double Bayou from mouth to FM 562 bridge.	05000001, 05000002	Chambers	12040202	120402020100	East Galveston Bay	139
051000067	Spindletop Bayou Ditch Improvement	Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include increasing IH10 crossings, enlarge ditches and create retention along the Spindletop Bayou in east Chambers County.	05000001, 05000002	Chambers	12040202	120402020300	East Galveston Bay	302
051000068	North Anahuac Drainage	Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include expanding/repairing road ditches and culverts and channelizing the drainage outfall for the area north of Lonestar Canal.	05000001, 05000002	Chambers	12040202	120402020100	East Galveston Bay	139
051000069	Southeast Drainage Ditch	Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include channelization and crossing upgrades from Benton Lane to FM 563.	05000001, 05000002	Chambers	12040202	120402020100	East Galveston Bay	139

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000065	Anahuac, North of Canal Drainage	Riverine, Coastal	Chambers	Chambers	Yes	\$100,000	Yes	Complies with RFPG Goals
051000066	Dredging West Fork- Double Bayou	Riverine, Coastal	Chambers	Chambers	Yes	\$1,400,000	Yes	Complies with RFPG Goals
051000067	Spindletop Bayou Ditch Improvement	Riverine, Coastal	Chambers	Chambers	Yes	\$1,500,000	Yes	Complies with RFPG Goals
051000068	North Anahuac Drainage	Riverine, Coastal	Anahuac	Anahuac	Yes	\$800,000	Yes	Complies with RFPG Goals
051000069	Southeast Drainage Ditch	Riverine, Coastal	Anahuac	Anahuac	Yes	\$125,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000070	Southwest Anahuac Ditch	Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include channelization and crossing upgrades from Main Street to Bay.	05000001, 05000002	Chambers	12040202	120402020100	East Galveston Bay	139
051000071	City of Lumberton Adler Ditch Drainage Improvements	H&H Study to identify alternatives for improving existing drainage of Adler Ditch	05000001, 05000002, 05000007, 05000008	Hardin	12020006, 12020007	120200060407, 120200070303	Village, Pine Island Bayou	3
051000072	City of Lumberton East Village Creek Parkway Drainage Improvements	H&H Study to identify alternatives for improving existing drainage of East Village Creek Parkway	05000007, 05000008	Hardin	12020006, 12020007	120200060407, 120200070303	Village, Pine Island Bayou	2
051000073	City of Lumberton Greens Branch Ditch Western Extension	H&H Study to identify alternatives for improving existing drainage of Greens Branch Ditch	05000001, 05000002, 05000007, 05000008	Hardin	12020006, 12020007	120200060407, 120200070303	Village, Pine Island Bayou	11
051000074	City of Lumberton Drainage Chance Cut Off Concrete Lining	H&H Study to identify alternatives for improving existing drainage of Chance Cut Off	05000001, 05000002, 05000007, 05000008	Hardin	12020006, 12020007	120200060407, 120200070303	Village, Pine Island Bayou	2
051000075	City of Lumberton Detention Pond at FM 421	H&H Study to develop alternatives for detention at FM 421	05000001, 05000002, 05000005, 05000006	Hardin	12020007	120200070303	Pine Island Bayou	11
051000076	City of Lumberton Elevate Taft Road and Brushy Creek Subdivision	H&H Study to identify alternatives for elevating Taft Road and Brushy Creek Subdivision	05000007, 05000008	Hardin	12020006	120200060407	Village	0
051000077	City of Rose Hill Acres Flood Mitigation Improvements	Develop drainage study to identify flood mitigation measures in and around Rose Hill Acres ETJ.	05000001, 05000002, 05000003, 05000004, 05000009, 05000010	Hardin	12020007	120200070303	Pine Island Bayou	0
051000078	City of Nacogdoches Flood Mitigation Project	H&H study to mitigate the wide-spread flooding that occurs along LaNana and Banita Creeks in the City of Nacogdoches	05000001, 05000002, 05000003, 05000004, 05000009, 05000010	Nacogdoches	12020004, 12020005	120200040704, 120200050101, 120200050102, 120200050106, 120200050201	Upper Angelina, Lower Angelina	28
051000079	City of Rose Hill Acres Ditch Improvements	H&H Study to identify alternatives for ditch improvements within Rose Hill Acres	05000001, 05000002	Hardin	12020007	120200070303	Pine Island Bayou	0

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000070	Southwest Anahuac Ditch	Riverine, Coastal	Anahuac	Anahuac	Yes	\$125,000	Yes	Complies with RFPG Goals
051000071	City of Lumberton Adler Ditch Drainage Improvements	Riverine	Lumberton	Lumberton	Yes	\$100,000	Yes	Complies with RFPG Goals
051000072	City of Lumberton East Village Creek Parkway Drainage Improvements	Riverine	Lumberton	Lumberton	Yes	\$125,000	Yes	Complies with RFPG Goals
051000073	City of Lumberton Greens Branch Ditch Western Extension	Riverine	Lumberton	Lumberton	Yes	\$100,000	Yes	Complies with RFPG Goals
051000074	City of Lumberton Drainage Chance Cut Off Concrete Lining	Riverine	Lumberton	Lumberton	Yes	\$50,000	Yes	Complies with RFPG Goals
051000075	City of Lumberton Detention Pond at FM 421	Riverine	Lumberton	Lumberton	Yes	\$50,000	Yes	Complies with RFPG Goals
051000076	City of Lumberton Elevate Taft Road and Brushy Creek Subdivision	Riverine	Lumberton	Lumberton	Yes	\$75,000	Yes	Complies with RFPG Goals
051000077	City of Rose Hill Acres Flood Mitigation Improvements	Riverine	Rose Hill Acres	Rose Hill Acres	Yes	\$500,000	Yes	Complies with RFPG Goals
051000078	City of Nacogdoches Flood Mitigation Project	Riverine	Nacogdoches	Nacogdoches	Yes	\$100,000	Yes	Complies with RFPG Goals
051000079	City of Rose Hill Acres Ditch Improvements	Riverine	Rose Hill Acres	Rose Hill Acres	Yes	\$50,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000080	City of Rose Hill Acres Road and Bridge Elevation	H&H study to locate roadways prone to flooding and identify alternatives to improve drainage.	05000007, 05000008	Hardin	12020007	120200070303	Pine Island Bayou	0
051000081	City of Silsbee Easy Street Drainage Improvements	H&H study to locate roadways prone to flooding and identify alternatives to improve drainage.	05000007, 05000008	Hardin	12020006	120200060406	Village	4
051000082	City of Vidor Schoolhouse Ditch Alternative B	H&H study to identify alternatives for Schoolhouse Ditch	05000001, 05000002, 05000007, 05000008	Orange	12020003	120200030405, 120200030406	Lower Neches	3
051000083	City of Vidor Schoolhouse Ditch Alternative C	H&H study to identify alternatives for Schoolhouse Ditch	05000001, 05000002, 05000007, 05000008	Orange	12020003	120200030405, 120200030406	Lower Neches	3
051000084	City of Vidor Drainage Improvements	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000009, 05000010	Orange	12020003, 12010005	120200030405, 120100051004, 120100051003, 120200030404, 120200030406	Lower Neches, Lower Sabine	10
051000085	Hardin County Black Creek Detention Pond	H&H Study to develop alternatives for detention at Black Creek.	05000001, 05000002, 05000003, 05000004, 05000007, 05000008, 05000009, 05000010	Hardin	12020003	120200030307	Lower Neches	50
051000086	Hardin County Boggy Creek Detention Pond	H&H Study to develop alternatives for detention on Boggy Creek.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000009, 05000010	Hardin	12020006, 12020007	120200070205, 120200070303, 120200060407, 120200070301, 120200070304, 120200060405, 120200070302	Village, Pine Island Bayou	43
051000087	Hardin County Cooks Lake Road Bridge Elevation	H&H study to improve drainage along Cooks Lake Bridge.	05000007, 05000008	Hardin	12020003, 12020007	120200070303, 120200070304, 120200030402	Lower Neches, Pine Island Bayou	10
051000088	Hardin County Reservoir	H&H study of large reservoir for flood control / drought assistance.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000009, 05000010	Hardin	12020006, 12020007	120200070205, 120200070303, 120200060407, 120200070301, 120200070304, 120200060405, 120200070302	Village, Pine Island Bayou	43

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000080	City of Rose Hill Acres Road and Bridge Elevation	Riverine	Rose Hill Acres	Rose Hill Acres	Yes	\$50,000	Yes	Complies with RFPG Goals
051000081	City of Silsbee Easy Street Drainage Improvements	Riverine	Silsbee	Silsbee	Yes	\$50,000	Yes	Complies with RFPG Goals
051000082	City of Vidor Schoolhouse Ditch Alternative B	Riverine	Orange	Orange	Yes	\$100,000	Yes	Complies with RFPG Goals
051000083	City of Vidor Schoolhouse Ditch Alternative C	Riverine	Orange	Orange	Yes	\$100,000	Yes	Complies with RFPG Goals
051000084	City of Vidor Drainage Improvements	Riverine	Orange	Orange	Yes	\$100,000	Yes	Complies with RFPG Goals
051000085	Hardin County Black Creek Detention Pond	Riverine	Hardin	Hardin	Yes	\$150,000	Yes	Complies with RFPG Goals
051000086	Hardin County Boggy Creek Detention Pond	Riverine	Hardin	Hardin	Yes	\$150,000	Yes	Complies with RFPG Goals
051000087	Hardin County Cooks Lake Road Bridge Elevation	Riverine	Hardin	Hardin	Yes	\$20,000	Yes	Complies with RFPG Goals
051000088	Hardin County Reservoir	Riverine	Hardin	Hardin	Yes	\$500,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000089	Hardin County South Area Drainage System	H&H study to identify alternatives for developing a drainage system to drain / retain flood waters around the communities of Pinewood, Countrywood, Bevil Oaks, and Rose Hill	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000009, 05000010	Hardin	12020003, 12020006, 12020007	Various	Lower Neches, Village, Pine Island Bayou	886
051000090	Hardin County SE Area Drainage System	H&H study to identify alternatives for developing a large drainage system to drain Lumberton directly into the Neches River, instead of Pine Island Bayou.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000009, 05000010	Hardin	12020003, 12020006, 12020007	Various	Lower Neches, Village, Pine Island Bayou	888
051000091	Hardin County Pinewood Drainage Improvements	H&H Study to identify alternatives for improving existing drainage within Pinewood.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Hardin	12020006, 12020007	120200070205, 120200070303, 120200060407, 120200070301, 120200070304, 120200060405, 120200070302	Village, Pine Island Bayou	43
051000092	Hardin County Coon Marsh Gully Drainage Improvements	H&H Study to identify alternatives for improving existing drainage within Marsh Gully	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Hardin	12020007	120200070205, 120200070201, 120200070204	Pine Island Bayou	2
051000093	Hardin County Municipal Storm Drain Project	Evaluate project to quantify benefits, evaluate impacts, and begin design.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson, Hardin	12020003, 12020006, 12020007	120200030405, 120200060407, 120200070201, 120200070203, 120200070204, 120200070205, 120200070302, 120200070303, 120200070304, 120402010200	Lower Neches, Village, Pine Island Bayou	128
051000094	City of Coffee City Flood-prone Roadway and Infrastructure Evaluation	Locate roadways and properties prone to flooding due to heavy rainfall	05000007, 05000008	Henderson	12020001	120200010305, 120200010307	Upper Neches	7
051000095	City of Moore Station Flood-prone Roadway and Infrastructure Evaluation	Locate roadways and properties prone to flooding due to heavy rainfall	05000007, 05000008	Henderson	12020001	120200010305	Upper Neches	1

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000089	Hardin County South Area Drainage System	Riverine	Hardin	Hardin	Yes	\$1,000,000	Yes	Complies with RFPG Goals
051000090	Hardin County SE Area Drainage System	Riverine	Hardin	Hardin	Yes	\$1,250,000	Yes	Complies with RFPG Goals
051000091	Hardin County Pinewood Drainage Improvements	Riverine	Hardin	Hardin	Yes	\$350,000	Yes	Complies with RFPG Goals
051000092	Hardin County Coon Marsh Gully Drainage Improvements	Riverine	Hardin	Hardin	Yes	\$300,000	Yes	Complies with RFPG Goals
051000093	Hardin County Municipal Storm Drain Project	Riverine	Hardin	Hardin	Yes	\$2,000,000	Yes	Complies with RFPG Goals
051000094	City of Coffee City Flood-prone Roadway and Infrastructure Evaluation	Riverine	Coffee City	Coffee City	No	\$25,000	Yes	Complies with RFPG Goals
051000095	City of Moore Station Flood-prone Roadway and Infrastructure Evaluation	Riverine	Moore Station	Moore Station	No	\$25,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000096	Houston County Earthen Dike Construction	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of an earthen dike to elevate emergency vehicle access road to critical facilities to provide protection to the 500-year flood level.	05000001, 05000002, 05000003, 05000004, 05000007, 05000008	Houston	12020001, 12020002	120200010509, 120200010705, 120200010701, 120200010702, 120200010703, 120200020101, 120200020203, 120200020206, 120200020204, 120200020402, 120200020401, 120200020102, 120200020103, 120200020104, 120200020106, 120200020202	Upper Neches, Middle Neches	418
051000097	Ditch 100 A (East Caldwell) Improvements	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of 2,200 ft of channel to be retrofitted with an underground culvert to allow for shaping and resizing the ditch to allow for continued maintenance.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010200	Sabine Lake	146
051000098	Ditch 119 Crossings at Yount and Edson	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of crossing improvements that will protect about 50 homes and mitigate flood risk on a historically flood prone road.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010200	Sabine Lake	146
051000099	Lateral B4A and B4A Ext. Improvements	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of widening those channels to increase the runoff capacity – upgrading/enlarging road crossings to reduce out of bank flooding.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	324
051000100	Rodair Pump Station	Evaluate project to quantify benefits, evaluate impacts, and begin design.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	324

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000096	Houston County Earthen Dike Construction	Riverine	Houston	Houston	No	\$16,972	Yes	Complies with RFPG Goals
051000097	Ditch 100 A (East Caldwell) Improvements	Riverine, Coastal	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$75,000	Yes	Complies with RFPG Goals
051000098	Ditch 119 Crossings at Yount and Edson	Riverine, Coastal	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$50,000	Yes	Complies with RFPG Goals
051000099	Lateral B4A and B4A Ext. Improvements	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$225,000	Yes	Complies with RFPG Goals
051000100	Rodair Pump Station	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$2,000,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000101	Upgrade to Lateral B4B	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of widening those channels to increase the runoff capacity – upgrading/enlarging road crossings to reduce out of bank flooding.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	324
051000102	Beauxart Gardens Central Ditch Improvements	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of widening those channels to increase the runoff capacity – upgrading/enlarging road crossings to reduce out of bank flooding.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	1
051000103	Houston Upgrade Pumping Equipment	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	0
051000104	Grannis Upgrade Pumping Equipment	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	0
051000105	Foley Upgrade Pumping Equipment	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	1
051000106	Lakeside Upgrade Pumping Equipment	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	5

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000101	Upgrade to Lateral B4B	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$50,000	Yes	Complies with RFPG Goals
051000102	Beauxart Gardens Central Ditch Improvements	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$50,000	Yes	Complies with RFPG Goals
051000103	Houston Upgrade Pumping Equipment	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$250,000	Yes	Complies with RFPG Goals
051000104	Grannis Upgrade Pumping Equipment	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000105	Foley Upgrade Pumping Equipment	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000106	Lakeside Upgrade Pumping Equipment	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000107	Rodair Upgrade Pumping Equipment	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010200, 120402010300	Sabine Lake	12
051000108	9th Avenue - Upgrade Pumping Equipment	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	6
051000109	Halbouty Add two pumps (open spots in structure)	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	12
051000110	Rodair Upper Build new station with associated levee	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010200, 120402010300	Sabine Lake	12
051000111	Main C Diversion - Build New Pump Station and Channel	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	13
051000113	Central Gardens Ditch - Upgrade Drainage Channel	H&H study to identify alternatives for Central Gardens Ditch	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	1
051000114	Pure Oil Ditch Improvements	H&H study to identify alternatives for Pure Oil Ditch	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12020003	120200030407	Lower Neches	2
051000115	Rodair Gulley Ditch Improvements	H&H study to identify alternatives for Rodair Gulley	05000001, 05000002, 05000003, 05000004, 05000007, 05000008	Jefferson	12040201	120402010200, 120402010300	Sabine Lake	12
051000116	Main C Diversion Channel Improvements	H&H study to identify alternatives for Main C Diversion Channel	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	13

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000107	Rodair Upgrade Pumping Equipment	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000108	9th Avenue - Upgrade Pumping Equipment	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000109	Halbouty Add two pumps (open spots in structure)	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000110	Rodair Upper Build new station with associated levee	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000111	Main C Diversion - Build New Pump Station and Channel	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000113	Central Gardens Ditch - Upgrade Drainage Channel	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000114	Pure Oil Ditch Improvements	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000115	Rodair Gulley Ditch Improvements	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000116	Main C Diversion Channel Improvements	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000117	Main B Channel Improvements	H&H study to identify alternatives for Main B Channel	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	6
051000118	Main A Channel Improvements	H&H study to identify alternatives for Main A Channel	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12020003, 12040201	120200030407, 120402010300	Lower Neches, Sabine Lake	6
051000119	Rodair Lateral 5 Detention Pond Excavation	H&H study to identify additional detention required to expand existing level of service	05000001, 05000002, 05000003, 05000004, 05000007, 05000008, 05000009, 05000010	Jefferson	12040201	120402010200, 120402010300	Sabine Lake	2
051000120	Halbouty Detention Pond Excavation	H&H study to identify additional detention required to expand existing level of service	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000009, 05000010	Jefferson	12040201	120402010300	Sabine Lake	12
051000121	9th Avenue Additional Detention Excavation	H&H study to identify additional detention required to improve existing level of service	05000001, 05000002, 05000003, 05000004, 05000007, 05000008, 05000009, 05000010	Jefferson	12040201	120402010300	Sabine Lake	6
051000123	JCDD7 Hurricane Flood Protection Levee Study	Study to identify possible upgrades to levees to help reduce the risk of flooding and to help the District review and update levees in jurisdictional area.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000009, 05000010	Jefferson	12020003, 12040201	120200030407, 120200030406, 120402010200, 120402010300	Lower Neches, Sabine Lake	112
051000124	Crane Bayou Channel Improvements	H&H study to identify alternatives for Crane Bayou Channel	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Jefferson	12020003, 12040201	120200030407, 120402010300	Lower Neches, Sabine Lake	7
051000125	Rodair Upper Additional Pump Station	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000007, 05000008	Jefferson	12040201	120402010200, 120402010300	Sabine Lake	12

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000117	Main B Channel Improvements	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000118	Main A Channel Improvements	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000119	Rodair Lateral 5 Detention Pond Excavation	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000120	Halbouty Detention Pond Excavation	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000121	9th Avenue Additional Detention Excavation	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000123	JCDD7 Hurricane Flood Protection Levee Study	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$777,000	Yes	Complies with RFPG Goals
051000124	Crane Bayou Channel Improvements	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000125	Rodair Upper Additional Pump Station	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000128	Rodair Gully System Detention	H&H study to identify additional detention required to expand existing level of service	05000001, 05000002, 05000003, 05000004, 05000007, 05000008, 05000009, 05000010	Jefferson	12040201	120402010200, 120402010300	Sabine Lake	12
051000129	El Vista Upgrade Pumping Equipment	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	2
051000130	W. Port Arthur Road Upgrade Pumping Equipment	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	1
051000131	Central - Upgrade Pumping Equipment and Structure	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	3
051000132	Star Lake Upgrade Pumping Equipment	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	1
051000133	Crane Bayou Additional Pumping	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000005, 05000006, 05000007, 05000008	Jefferson	12020003, 12040201	120200030407, 120402010300	Lower Neches, Sabine Lake	7
051000134	Lakeview Additional Pumping	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	2
051000135	City of Daisetta Drainage Projects	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of drainage improvements throughout the city to include widening culverts and ditches.	05000001, 05000002, 05000003, 05000004, 05000007, 05000008	Liberty	12020007	120200070108	Pine Island Bayou	1

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000128	Rodair Gully System Detention	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000129	El Vista Upgrade Pumping Equipment	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000130	W. Port Arthur Road Upgrade Pumping Equipment	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000131	Central - Upgrade Pumping Equipment and Structure	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000132	Star Lake Upgrade Pumping Equipment	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000133	Crane Bayou Additional Pumping	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000134	Lakeview Additional Pumping	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000135	City of Daisetta Drainage Projects	Riverine	Daisetta	Daisetta	Yes	\$150,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000136	Liberty County Culvert Replacement Project	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of increasing culvert size in identified flood hazard problem areas within Liberty County.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Liberty	12020007, 12030203, 12040201, 12040202	120200070109, 120200070102, 120200070101, 120200070110, 120200070104, 120200070105, 120200070107, 120200070106, 120200070103, 120200070108, 120200070201, 120302030202, 120402020100, 120402020200, 120402010100	Pine Island Bayou, Lower Trinity, Sabine Lake, East Galveston Bay	235
051000137	Liberty County Recanalization Feasibility Study	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of dechannelizing existing feeder creeks that flow from north to south and improve drainage for storm water runoff.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Liberty	12020007, 12030203, 12040201, 12040202	120200070109, 120200070102, 120200070101, 120200070110, 120200070104, 120200070105, 120200070107, 120200070106, 120200070103, 120200070108, 120200070201, 120302030202, 120402020100, 120402020200, 120402010100	Pine Island Bayou, Lower Trinity, Sabine Lake, East Galveston Bay	235
051000138	Stadium Upgrade Pumping Equipment	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	0
051000139	Delmar Upgrade Pumping Equipment	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	1
051000140	DeQueen Additional Pumping Equipment	H&H study to size pump upgrades and improve existing level of service.	05000001, 05000002, 05000007, 05000008	Jefferson	12040201	120402010300	Sabine Lake	1
051000143	Tyrrell Park Detention	Install a detention pond in the vicinity of Tyrrell Park Rd. within the city of Beaumont.	05000001, 05000002, 05000003, 05000004, 05000007, 05000008	Jefferson	12040201	120402010200	Sabine Lake	5
051000144	Mayhaw Lateral Improvements	Rectify negative impacts to properties downstream of IH-10 caused by additional drainage crossings	05000001, 05000002, 05000003, 05000004, 05000007, 05000008	Jefferson, Chambers	12040201, 12040202	120402010100, 120402020200, 120402020300	Sabine Lake, East Galveston Bay	47

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000136	Liberty County Culvert Replacement Project	Riverine	Liberty	Liberty	Yes	\$100,657	Yes	Complies with RFPG Goals
051000137	Liberty County Recanalization Feasibility Study	Riverine	Liberty	Liberty	Yes	\$26,171	Yes	Complies with RFPG Goals
051000138	Stadium Upgrade Pumping Equipment	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000139	Delmar Upgrade Pumping Equipment	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000140	DeQueen Additional Pumping Equipment	Riverine	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$100,000	Yes	Complies with RFPG Goals
051000143	Tyrrell Park Detention	Riverine	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$500,000	Yes	Complies with RFPG Goals
051000144	Mayhaw Lateral Improvements	Riverine	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$2,200,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000145	Feasibility Assessment for Increase in Size of Culverts and Railroad Trestles on Major Drainage Structures Throughout Orange County	H&H Study to analyze most efficient alternatives for dredging, widening, or otherwise improving culverts and railroad trestles within Orange County.	05000005, 05000006, 05000007, 05000008	Orange	12010005, 12020003, 12040201	120100051004, 120100051005, 120200030402, 120200030403, 120200030404, 120200030405, 120200030406, 120200030407, 120402010500	Lower Sabine, Lower Neches, Sabine Lake	156
051000146	Feasibility Assessment of the Capacity of Drainage Ditches and Channels that Convey Stormwater from Neighborhoods Located Within Orange County	H&H Study to analyze most efficient alternatives for improving existing drainage ditches and channels linked to neighborhoods within Orange County.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Orange	12010005, 12020003, 12040201	120100051004, 120100051005, 120200030402, 120200030403, 120200030404, 120200030405, 120200030406, 120200030407, 120402010500	Lower Sabine, Lower Neches, Sabine Lake	156
051000147	Orange County DD Harvey Repairs	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of repairing damage to drainage ditches, crossings, culverts, levees, and right-of-ways caused by Hurricane Harvey to restore pre-flood capacity.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Orange	12010005, 12020003, 12040201	120200030407, 120200030404, 120200030405, 120200030406, 120200030402, 120200030403, 120100051005, 120100051004, 120402010500	Lower Sabine, Lower Neches, Sabine Lake	156
051000148	Orange County DD SW Detention/Retention Facilities	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of stormwater detention/retention facilities throughout OCDD.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000009, 05000010	Orange	12010005, 12020003, 12040201	120200030407, 120200030404, 120200030405, 120200030406, 120200030402, 120200030403, 120100051005, 120100051004, 120402010500	Lower Sabine, Lower Neches, Sabine Lake	156
051000149	Feasibility Assessment of Widening and Deepening Segments of Tiger Creek	H&H Study to analyze most efficient alternatives for constructing improvements to segments of Tiger Creek.	05000001, 05000002, 05000003, 05000004, 05000007, 05000008	Orange, Jasper	12020003	120200030404	Lower Neches	28

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000145	Feasibility Assessment for Increase in Size of Culverts and Railroad Trestles on Major Drainage Structures Throughout Orange County	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$150,000	Yes	Complies with RFPG Goals
051000146	Feasibility Assessment of the Capacity of Drainage Ditches and Channels that Convey Stormwater from Neighborhoods Located Within Orange County	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$100,000	Yes	Complies with RFPG Goals
051000147	Orange County DD Harvey Repairs	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$130,000	Yes	Complies with RFPG Goals
051000148	Orange County DD SW Detention/Retention Facilities	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$130,000	Yes	Complies with RFPG Goals
051000149	Feasibility Assessment of Widening and Deepening Segments of Tiger Creek	Riverine	Orange County Drainage District	Orange County Drainage District	Yes	\$150,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000150	Feasibility Assessment of Construction of a Stormwater Detention Pond Adjacent to Tiger Creek	H&H Study to analyze most efficient alternatives for constructing a stormwater detention pond in the vicinity of Tiger Creek.	05000001, 05000002, 05000003, 05000004, 05000007, 05000008, 05000009, 05000010	Orange, Jasper	12020003	120200030404	Lower Neches	28
051000151	Feasibility Assessment of Widening and Deepening Segments of Ten-Mile Creek	H&H Study to analyze most efficient alternatives for constructing improvements to segments of Ten-Mile Creek.	05000001, 05000002, 05000003, 05000004, 05000007, 05000008	Orange, Jasper	12020003	120200030403	Lower Neches	46

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000150	Feasibility Assessment of Construction of a Stormwater Detention Pond Adjacent to Tiger Creek	Riverine	Orange County Drainage District	Orange County Drainage District	Yes	\$100,000	Yes	Complies with RFPG Goals
051000151	Feasibility Assessment of Widening and Deepening Segments of Ten-Mile Creek	Riverine	Orange County Drainage District	Orange County Drainage District	Yes	\$175,000	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000152	Feasibility Assessment of Widening and Deepening Segments of Anderson Gully	H&H Study to analyze most efficient alternatives for constructing improvements to segments of Anderson Gully.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Orange, Jefferson	12020003	120200030406	Lower Neches	42
051000153	City of Bullard Culvert Upgrades	Study to evaluate existing culverts for current condition and identify culverts that need to be upgraded.	05000001, 05000002, 05000003, 05000004, 05000007, 05000008	Smith	12020001	120200010306, 120200010401, 120200040105	Upper Neches	3
051000154	Smith County Drainage Capacity Upgrades	Study to evaluate existing culverts within Smith County and identify culverts that need to be upgraded.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Smith	12020001, 12020004	Various	Upper Neches, Upper Angelina	510
051000155	Bridge City Drainage Outfall Improvement Project	Improve and extend three major drainage ditches and extend a neighborhood outfall to reduce structural flooding in residences within the area.	05000003, 05000004, 05000005, 05000006, 05000007, 05000008	Orange	12010005, 12020003, 12040201	120100051005, 120200030407, 120402010500	Lower Sabine, Lower Neches, Sabine Lake	4
051000156	Colonial Outfall Ditch Culvert Improvements	H&H Study to analyze most efficient alternatives to install new culverts along FM 1442 (Bridge City) at Colonial Outfall Ditch.	05000007, 05000008	Orange	12020003	120200030407	Lower Neches	1
051000157	City of Beaumont Drainage Studies	Drainage study to evaluate new storm water and sanitary sewer lines associated with reconstruction of key areas in the city to reduce localized	05000001, 05000002	Jefferson	12020003, 12040201	120200030405, 120200030406, 120402010200	Lower Neches, Sabine Lake	1

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000152	Feasibility Assessment of Widening and Deepening Segments of Anderson Gully	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$325,000	Yes	Complies with RFPG Goals
051000153	City of Bullard Culvert Upgrades	Riverine	Bullard	Bullard	No	\$50,000	Yes	Complies with RFPG Goals
051000154	Smith County Drainage Capacity Upgrades	Riverine	Smith	Smith	Yes	\$225,000	Yes	Complies with RFPG Goals
051000155	Bridge City Drainage Outfall Improvement Project	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$200,000	Yes	Complies with RFPG Goals
051000156	Colonial Outfall Ditch Culvert Improvements	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$200,000	Yes	Complies with RFPG Goals
051000157	City of Beaumont Drainage Studies	Riverine	Beaumont	Beaumont	Yes	\$118,750	Yes	Complies with RFPG Goals

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	FME Area (sqmi)
051000158	North Taylor Regional Detention Basin	The project proposes a regional detention facility north of FM365 and west of South China Road in the upper portion of the North Fork of Taylors Bayou watershed.	05000001, 05000002, 05000003, 05000004, 05000007, 05000008	Jefferson	12040201	120402010100, 120402010300	Sabine Lake	62
051000159	Mayhaw Bayou Regional Detention Basin	The project proposes conveyance improvements along Mayhaw Bayou and tributaries in the upper portion of the Mayhaw Bayou watershed (between IH10 and SH124) via widening and deepening of the existing channels.	05000001, 05000002, 05000003, 05000004, 05000007, 05000008	Jefferson, Chambers	12040201	120402010100	Sabine Lake	16
051000160	South Taylor Regional Detention Basin	The project proposes a regional detention facility west of Heizig Road in the watersheds of both the North and South Forks of Taylors Bayou.	05000001, 05000002, 05000003, 05000004, 05000007, 05000008	Jefferson	12040201, 12040202	120402010100, 120402010300, 120402020300	Sabine Lake, East Galveston Bay	72
051000161	Calder Diversion Connections	Evaluate sub-surface diversion primarily located along Calder Avenue that discharges into the Neches River.	05000001, 05000002, 05000005, 05000006	Jefferson	12020003, 12040201	120200030405, 120200030406, 120402010200	Lower Neches, Sabine Lake	5
051000162	Needmore Diversion	Evaluate a diversion channel from downstream of Lower Mayhaw Bayou to Needmore	05000001, 05000002, 05000007, 05000008	Jefferson	12040201	120402010100, 120402010200, 120402010300	Sabine Lake	51
051000163	Channel 100-A Concrete Repair	Conduct repairs and install improvements to Channel 100-A located within the city of Beaumont.	05000001, 05000002, 05000005, 05000006	Jefferson	12040201	120402010200	Sabine Lake	3

Table 15: Recommended Flood Management Evaluations
Identified by RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
051000158	North Taylor Regional Detention Basin	Riverine	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$75,000	Yes	Complies with RFPG Goals
051000159	Mayhaw Bayou Regional Detention Basin	Riverine	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$75,000	Yes	Complies with RFPG Goals
051000160	South Taylor Regional Detention Basin	Riverine	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$75,000	Yes	Complies with RFPG Goals
051000161	Calder Diversion Connections	Riverine	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$75,000	Yes	Complies with RFPG Goals
051000162	Needmore Diversion	Riverine, Coastal	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$75,000	Yes	Complies with RFPG Goals
051000163	Channel 100-A Concrete Repair	Riverine, Coastal	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$75,000	Yes	Complies with RFPG Goals

Table 16: Recommended Flood Mitigation Projects
Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Project Area (sqmi)
053000001	Bayou Din Detention Basin	Construct a new detention basin with nearby channel and crossing improvements in the vicinity of Bayou Din.	05000001, 05000002	Jefferson	12040201	120402010100, 120402010200	Sabine Lake	Detention Pond	19
053000002	Bessie Heights Drainage Ditch Extension Project	Expand the Bessie Heights Drainage Ditch to address flooding risk to residential properties in the area.	05000001, 05000002	Orange	12020003	120200030407	Lower Neches	Channel	3
053000004	Port Arthur and Vicinity Coastal Storm Risk Management Project	Construct levees, floodwalls, pump stations, drainage structures, and other flood mitigation infrastructure to reduce adverse flood impact in the vicinity of the city of Port Arthur.	05000001, 05000002, 05000005, 05000006,	Jefferson	12020003, 12040201	120200030407, 120402010300	Lower Neches, Sabine Lake	Comprehensive	66
053000005	Orange County Coastal Storm Risk Management Project	Construct levees, floodwalls, pump stations, drainage structures, and other flood mitigation infrastructure to reduce adverse flood impact in Orange County.	05000001, 05000002, 05000005, 05000006	Orange	12020003, 12010005, 12040201	120200030407, 120100051005, 120100051004, 120402010500	Lower Neches, Lower Sabine, Sabine Lake	Comprehensive	14

Table 16: Recommended Flood Mitigation Projects
Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount
053000001	Bayou Din Detention Basin	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$85,000,000	Local funds (JCDD6), Unknown Amount
053000002	Bessie Heights Drainage Ditch Extension Project	Riverine, Coastal, Local	Orange County Drainage District	Orange County Drainage District	Yes	\$4,250,000	Local funds (OCDD), Unknown Amount
053000004	Port Arthur and Vicinity Coastal Storm Risk Management Project	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes	\$863,000,000	Federal (USACE), Local funds (JCDD7), \$863,000,000
053000005	Orange County Coastal Storm Risk Management Project	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes	\$119,900,000	Federal (USACE), Local funds (OCDD and GCPD), \$119,900,000 within Region 5

Table 16: Recommended Flood Mitigation Projects
Identified by RFPG

FMP ID	FMP Name	Cost/ Structure removed	Percent Nature-based Solution (by cost)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Benefit-Cost Ratio	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
053000001	Bayou Din Detention Basin	\$442,708	0	No	No	No	4.9	0.213	Yes	Project in area of emergency need and complies with RFPG Goals
053000002	Bessie Heights Drainage Ditch Extension Project	\$531,250	0	No	No	No	0.01	0.156	Yes	Project in area of emergency need and complies with RFPG Goals
053000004	Port Arthur and Vicinity Coastal Storm Risk Management Project	\$163,708	0	No	No	No	4.6	0.574	Yes	Project in area of emergency need and complies with RFPG Goals
053000005	Orange County Coastal Storm Risk Management Project	\$193,387	0	No	No	No	1.2	0.164	Yes	Project in area of emergency need and complies with RFPG Goals

Table 16: Recommended Flood Mitigation Projects
Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Project Area (sqmi)
053000006	Black Fork Creek Improvement Project	Construct a detention pond and install a diversion to be placed near the decommissioned Hogg Middle School within the city of Tyler.	05000001, 05000002, 05000003, 05000004	Smith	12020001	120200010105	Upper Neches	Comprehensive	0
053000007	Sandy Creek Improvement Project	The project includes two new detention basins located along Sandy Creek to mitigate flooding historically experienced by the City of Jasper.	05000001, 05000002	Jasper	12020003, 12020005	120200030205, 120200030301, 120200050809, 120200051001, 120200051002, 120200051003	Lower Neches, Lower Angelina	Detention Pond	8
053000008	Sour Lake Channel Improvements	The project proposes a new diversion channel through Sour Lake, providing a path for runoff from the West to the East.	05000001, 05000002, 05000005, 05000006	Hardin, Jefferson, Liberty	12020007	120200070104, 120200070105, 120200070110, 120200070201, 120200070204, 120200070205	Pine Island Bayou	Comprehensive	45
053000009	Rosedale Improvement System	The project proposes widening and deepening of existing channels upstream of the LNVA canal, a diversion channel to the Neches River, and detention basins, near the Rosedale Acres community.	05000001, 05000002, 05000005, 05000006	Hardin, Jefferson	12020007, 12040201	120200070205, 120200070302, 120200070303, 120200070304, 120402010200	Pine Island Bayou, Sabine Lake	Comprehensive	13
053000010	Nome Conveyance Improvements	The project proposes an improvement system consisting of channelization along Cotton Creek and an off-line detention basin to mitigate impacts.	05000001, 05000002	Jefferson, Liberty	12020007, 12040201	120200070110, 120200070201, 120402010100	Pine Island Bayou, Sabine Lake	Comprehensive	10

Table 16: Recommended Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount
053000006	Black Fork Creek Improvement Project	Riverine, Local	Tyler	Tyler	Yes	\$22,234,300	Local funds (City of Tyler), Unknown Amount
053000007	Sandy Creek Improvement Project	Riverine, Coastal, Local	Jasper	Jasper	Yes	\$224,924,330	Local funds (City of Jasper), Unknown Amount
053000008	Sour Lake Channel Improvements	Riverine, Coastal, Local	Hardin	Hardin	Yes	\$63,303,926	Local funds (Hardin County), Unknown Amount
053000009	Rosedale Improvement System	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$308,620,428	Local funds (JCDD6), Unknown Amount
053000010	Nome Conveyance Improvements	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$163,293,623	Local funds (JCDD6), Unknown Amount

Table 16: Recommended Flood Mitigation Projects
Identified by RFPG

FMP ID	FMP Name	Cost/ Structure removed	Percent Nature-based Solution (by cost)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Benefit-Cost Ratio	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
053000006	Black Fork Creek Improvement Project	\$889,372	0	No	No	No	0.26	0.658	Yes	Project in area of emergency need and complies with RFPG Goals
053000007	Sandy Creek Improvement Project	\$7,756,011	0	No	No	No	0	0.770	Yes	Project in area of emergency need and complies with RFPG Goals
053000008	Sour Lake Channel Improvements	\$727,631	0	No	No	No	0	0.254	Yes	Project in area of emergency need and complies with RFPG Goals
053000009	Rosedale Improvement System	\$1,011,870	0	No	No	No	0.01	0.464	Yes	Project in area of emergency need and complies with RFPG Goals
053000010	Nome Conveyance Improvements	\$8,594,401	0	No	No	No	0	0.305	Yes	Project in area of emergency need and complies with RFPG Goals

Table 16: Recommended Flood Mitigation Projects
Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Project Area (sqmi)
053000011	Pevitot Gully Improvement System	The project proposes an improvement system consisting of offline detention basins and channelization along Pevitot Gully.	05000001, 05000002	Jefferson	12040201	120402010200	Sabine Lake	Comprehensive	11
053000012	Willow Marsh Bayou Phelan Blvd Detention	The project proposes an improvement system consisting of in-line detention basins and channelization along Willow Marsh from Phenlan Blvd to Highway 90.	05000001, 05000002	Jefferson	12040201	120402010100, 120402010200	Sabine Lake	Comprehensive	4
053000013	Willow Marsh Main Improvement System	The project proposes an improvement system consisting of off-line detention basins and channelization along Willow Marsh from Highway 90 to South Major Dr.	05000001, 05000002	Jefferson	12040201	120402010100, 120402010200, 120402010300	Sabine Lake	Comprehensive	98
053000014	Willow Marsh Downstream Improvement System	The project proposes an improvement system consisting of off-line detention basins and channelization along Willow Marsh from South Major Dr to Hillebrandt Bayou.	05000001, 05000002	Jefferson	12040201	120402010200	Sabine Lake	Comprehensive	9
053000015	Tyrrell Park Improvements	The project proposes a new channel alignment across Tyrrell Park to an existing channel that outfalls into Hillebrandt Bayou; to gain the full benefits the project should be accompanied by improvements of roadside ditches in adjacent neighborhoods.	05000001, 05000002	Jefferson	12040201	120402010200	Sabine Lake	Channel	2

Table 16: Recommended Flood Mitigation Projects
Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount
053000011	Pevitot Gully Improvement System	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$319,970,815	Local funds (JCDD6), Unknown Amount
053000012	Willow Marsh Bayou Phelan Blvd Detention	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$203,869,200	Local funds (JCDD6), Unknown Amount
053000013	Willow Marsh Main Improvement System	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$1,136,334,277	Local funds (JCDD6), Unknown Amount
053000014	Willow Marsh Downstream Improvement System	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$118,142,723	Local funds (JCDD6), Unknown Amount
053000015	Tyrrell Park Improvements	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$25,095,036	Local funds (JCDD6), Unknown Amount

Table 16: Recommended Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Cost/ Structure removed	Percent Nature-based Solution (by cost)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Benefit-Cost Ratio	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
053000011	Pevitot Gully Improvement System	\$8,647,860	0	No	No	No	0	0.216	Yes	Project in area of emergency need and complies with RFPG Goals
053000012	Willow Marsh Bayou Phelan Blvd Detention	\$9,266,782	0	No	No	No	0	0.298	Yes	Project in area of emergency need and complies with RFPG Goals
053000013	Willow Marsh Main Improvement System	\$5,710,222	0	No	No	No	0	0.327	Yes	Project in area of emergency need and complies with RFPG Goals
053000014	Willow Marsh Downstream Improvement System	\$1,817,580	0	No	No	No	0	0.235	Yes	Project in area of emergency need and complies with RFPG Goals
053000015	Tyrrell Park Improvements	\$1,254,752	0	No	No	No	0.06	0.252	Yes	Project in area of emergency need and complies with RFPG Goals

Table 16: Recommended Flood Mitigation Projects
Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Project Area (sqmi)
053000016	Green Pond Flow Diversion	The project proposes a diversion of storm runoff into the Green Pond detention facility via construction of a berm and spillway across Channel 505-B east of the Green Pond facility. Channel improvements are also included.	05000001, 05000002	Jefferson	12040201	120402010100	Sabine Lake	Comprehensive	4
053000017	Lucas/Delaware Diversion	The project includes storm sewer improvements that divert flow away from DD6 channels 100 and 122 to be redirected to instead flow to channel 010 near Charles Street before ultimately discharging into the Neches River.	05000001, 05000002	Jefferson	12020003, 12040201	120200030405, 120402010200	Lower Neches, Sabine Lake	Channel	9
053000018	South Park Diversion	The project includes storm sewer improvements that divert flow away from DD6 channels 104 and 104-B to be redirected to the Neches River.	05000001, 05000002	Jefferson	12020003, 12040201	120200030406, 120402010200	Lower Neches, Sabine Lake	Channel	2
053000019	Tevis Diversion	This project includes storm sewer improvements that divert flow away from DD6 channel 115 to be redirected to the Neches River.	05000001, 05000002, 05000005, 05000006	Jefferson	12020003, 12040201	120200030405, 120200030406, 120402010200	Lower Neches, Sabine Lake	Channel	1
053000020	Blanchette Diversion	The project proposes storm sewer improvements that divert flow away from existing channels to be redirected to the Neches River at a proposed outfall location near Blanchette Street.	05000001, 05000002	Jefferson	12020004, 12040201	120200030406, 120402010200	Upper Angelina, Sabine Lake	Channel	2
053000021	Tyrrell Park Detention	The project consists of installing eight new detention basins to increase capacity to existing storm sewer and provide storage during extreme rainfall events.	05000001, 05000002	Jefferson	12040201	120402010200	Sabine Lake	Detention Pond	10

Table 16: Recommended Flood Mitigation Projects
Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount
053000016	Green Pond Flow Diversion	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$7,779,088	Local funds (JCDD6), \$500,000
053000017	Lucas/Delaware Diversion	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$130,286,230	Local funds (JCDD6), Unknown Amount
053000018	South Park Diversion	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$99,908,750	Local funds (JCDD6), Unknown Amount
053000019	Tevis Diversion	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$97,327,200	Local funds (JCDD6), Unknown Amount
053000020	Blanchette Diversion	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$99,173,000	Local funds (JCDD6), \$47,000,000
053000021	Tyrrell Park Detention	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$187,974,220	Local funds (JCDD6), Unknown Amount

Table 16: Recommended Flood Mitigation Projects
Identified by RFPG

FMP ID	FMP Name	Cost/ Structure removed	Percent Nature-based Solution (by cost)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Benefit-Cost Ratio	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
053000016	Green Pond Flow Diversion	\$114,398	0	No	No	No	0.005	0.270	Yes	Project in area of emergency need and complies with RFPG Goals
053000017	Lucas/Delaware Diversion	\$147,216	0	No	No	No	0.02	0.396	Yes	Project in area of emergency need and complies with RFPG Goals
053000018	South Park Diversion	\$167,351	0	No	No	No	0.05	0.708	Yes	Project in area of emergency need and complies with RFPG Goals
053000019	Tevis Diversion	\$174,109	0	No	No	No	0.05	0.509	Yes	Project in area of emergency need and complies with RFPG Goals
053000020	Blanchette Diversion	\$113,731	0	No	No	No	0.62	0.861	Yes	Project in area of emergency need and complies with RFPG Goals
053000021	Tyrrell Park Detention	\$472,297	0	No	No	No	0	0.250	Yes	Project in area of emergency need and complies with RFPG Goals

Table 16: Recommended Flood Mitigation Projects
Identified by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Project Area (sqmi)
053000022	Virginia Street Detention	The project consists of storm sewer improvements and the construction of new detention ponds to provide increased capacity to the existing storm sewer system. Improvements primarily located at the southern edge of Beaumont near US-287 N.	05000001, 05000002	Jefferson	12040201	120402010200	Sabine Lake	Comprehensive	1
053000023	Delaware Hilcorp Detention Diversion	Construct two detention ponds near Delaware Street that outfall to DD6 Ditch 121 and Hillebrandt Bayou. Ponds to be accompanied by storm sewer improvements to aid in redirecting flow.	05000001, 05000002	Jefferson	12040201	120402010200	Sabine Lake	Comprehensive	2
053000024	Borley Heights Relief Project	The project consists of constructing three new crossings under the LNVA Canal, a diversion ditch on the west side of the canal, concrete-lined receiving ditches along the canal, and improvements to the existing Ditch 1002-B.	05000001, 05000002	Jefferson	12020007	120200070205	Pine Island Bayou	Comprehensive	0
053000025	East China Relief Project	The project consists of constructing new linear detention upstream of the LNVA Canal, a concrete block-lined channel downstream of the canal crossing, and an adequate structure at Turner Road.	05000001, 05000002	Jefferson	12040201	120402010100	Sabine Lake	Comprehensive	4
053000026	South Nome Relief Ditch	The project consists of constructing storm sewer improvements and a detention basin to prevent stormwater runoff from backing up into Nome.	05000001, 05000002	Jefferson, Liberty	12020007, 12040201	120200070201, 120402010100	Pine Island Bayou, Sabine Lake	Comprehensive	6
053000027	Ditch 505 Detention	The project consists of constructing a detention pond near the intersection of IH-10 and Hwy 365 to the southwest of Beaumont.	05000001, 05000002	Jefferson	12040201	120402010100	Sabine Lake	Detention Pond	3

Table 16: Recommended Flood Mitigation Projects
Identified by RFPG

FMP ID	FMP Name	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount
053000022	Virginia Street Detention	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$9,751,456	Local funds (JCDD6), Unknown Amount
053000023	Delaware Hilcorp Detention Diversion	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$13,181,257	Local funds (JCDD6), Unknown Amount
053000024	Borley Heights Relief Project	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$4,577,210	Local funds (JCDD6), Unknown Amount
053000025	East China Relief Project	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$2,853,160	Local funds (JCDD6), Unknown Amount
053000026	South Nome Relief Ditch	Riverine, Coastal, Local	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$2,286,770	Local funds (JCDD6), Unknown Amount
053000027	Ditch 505 Detention	Riverine, Coastal	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes	\$13,803,086	Local funds (JCDD6), Unknown Amount

Table 16: Recommended Flood Mitigation Projects Identified by RFPG

FMP ID	FMP Name	Cost/ Structure removed	Percent Nature-based Solution (by cost)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Benefit-Cost Ratio	Social Vulnerability Index (SVI)	RFPG Recommendation (Y/N)	Reason for Recommendation
053000022	Virginia Street Detention	\$49,002	0	No	No	No	2.79	0.721	Yes	Project in area of emergency need and complies with RFPG Goals
053000023	Delaware Hilcorp Detention Diversion	\$57,560	0	No	No	No	4.04	0.249	Yes	Project in area of emergency need and complies with RFPG Goals
053000024	Borley Heights Relief Project	\$29,154	0	No	No	No	1.66	0.594	Yes	Project in area of emergency need and complies with RFPG Goals
053000025	East China Relief Project	\$41,350	0	No	No	No	1.54	0.267	Yes	Project in area of emergency need and complies with RFPG Goals
053000026	South Nome Relief Ditch	\$81,670	0	No	No	No	1.18	0.289	Yes	Project in area of emergency need and complies with RFPG Goals
053000027	Ditch 505 Detention	\$6,901,543	0	No	No	No	1.22	0.248	Yes	Project in area of emergency need and complies with RFPG Goals

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000001	Anderson County Flood Education Program	Educate homeowners to increase awareness about the hazard of flooding and to inform residents of mitigation actions to reduce risk.	05000024, 05000025	Anderson	12020001	Various	Upper Neches	Education and Outreach	495	Riverine	Anderson	Anderson	No
052000002	Anderson County Natural Hazards Education Program Development	Develop, enhance and implement education programs to increase awareness of natural hazards and to inform residents of mitigation actions to reduce risk to citizens, public infrastructure, private property owners, businesses and schools.	05000024, 05000025	Anderson	12020001	Various	Upper Neches	Education and Outreach	495	Riverine	Anderson	Anderson	No
052000003	City of Frankston Flood Education Program	The City will provide public education on the dangers of flash flooding, and to inform residents of mitigation actions to reduce risk to citizens, public infrastructure, private property owners, businesses and schools.	05000024, 05000025	Anderson	12020001	120200010404, 120200010307	Upper Neches	Education and Outreach	2	Riverine	Frankston	Frankston	No
052000004	Angelina County Public Education on Mitigation Techniques	Publish educational materials to inform the public in methods of mitigating private property against natural hazard damage.	05000024, 05000025	Angelina	12020002, 12020003, 12020004, 12020005	Various	Middle Neches, Lower Neches, Upper Angelina, Lower Angelina	Education and Outreach	861	Riverine	Angelina	Angelina	No
052000005	Chambers County Public Education on Mitigation Techniques	Implement an outreach and education campaign to educate the public on mitigation techniques for all hazards to reduce loss of life and property.	05000024, 05000025	Chambers	12040201, 12040202, 12040203, 12040204	120402030200, 120402020100, 120402020400, 120402020500, 120402020200, 120402020300, 120402040200, 120402010100	Sabine Lake, East Galveston Bay, North Galveston Bay, West Galveston Bay	Education and Outreach	434	Riverine, Coastal	Chambers	Chambers	No

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
052000001	Anderson County Flood Education Program	\$0	\$50,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000002	Anderson County Natural Hazards Education Program Development	\$0	\$50,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000003	City of Frankston Flood Education Program	\$0	\$50,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000004	Angelina County Public Education on Mitigation Techniques	\$0	\$10,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000005	Chambers County Public Education on Mitigation Techniques	\$0	\$50,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000006	City of Gallatin "Turn Around Don't Drown" Campaign	Promote the "Turn Around Don't Drown" campaign in partnership with DPS.	05000024, 05000025	Cherokee	12020004	120200040204, 120200040205	Upper Angelina	Education and Outreach	5	Riverine	Gallatin	Gallatin	No
052000007	City of Jacksonville Public Education on Mitigation Actions	Develop and implement public education program to educate the public on mitigation actions to reduce their risk, along with posting updated pertinent weather information on City social media during weather events.	05000024, 05000025	Cherokee	12020001, 12020004	120200010506, 120200040201, 120200040204	Upper Neches, Upper Angelina	Education and Outreach	14	Riverine	Jacksonville	Jacksonville	No
052000008	City of Rusk "Turn Around Don't Drown" Campaign	Promote the "Turn Around Don't Drown" campaign in partnership with DPS.	05000024, 05000025	Cherokee	12020001, 12020004	120200010601, 120200010602, 120200040206, 120200040207	Upper Neches, Upper Angelina	Education and Outreach	7	Riverine	Rusk	Rusk	No
052000009	Henderson County Emergency Training Program	Increase training opportunities for citizens to encourage their involvement in mitigation efforts.	05000024, 05000025	Henderson	12020001	120200010203, 120200010404, 120200010205, 120200010206, 120200010301, 120200010302, 120200010304, 120200010103, 120200010202, 120200010204, 120200010305, 120200010303, 120200010307, 120200010403, 120200010405	Upper Neches	Education and Outreach	374	Riverine	Henderson	Henderson	No
052000010	City of Berryville Public Education on Mitigation Techniques	Provide materials and data sources to educate citizens of all potential hazards in the planning area and methods to mitigate hazards and increase awareness.	05000024, 05000025	Henderson	12020001	120200010307	Upper Neches	Education and Outreach	1	Riverine	Berryville	Berryville	No
052000011	City of Brownsboro Flood Mitigation Education for City Officials and Citizens	Seek FEMA and State training in flood mitigation to assist with NFIP and encourage awareness of flood hazard and National Flood Insurance Program assistance to citizens	05000024, 05000025	Henderson	12020001	120200010205, 120200010206	Upper Neches	Education and Outreach	2	Riverine	Brownsboro	Brownsboro	No
052000012	City of Brownsboro Public Education on Mitigation Techniques	Provide materials and data sources to educate citizens of all potential hazards in the planning area and methods to mitigate hazards and increase awareness.	05000024, 05000025	Henderson	12020001	120200010205, 120200010206	Upper Neches	Education and Outreach	2	Riverine	Brownsboro	Brownsboro	No

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
052000006	City of Gallatin "Turn Around Don't Drown" Campaign	\$0	\$10,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000007	City of Jacksonville Public Education on Mitigation Actions	\$0	\$20,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000008	City of Rusk "Turn Around Don't Drown" Campaign	\$0	\$10,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000009	Henderson County Emergency Training Program	\$0	\$50,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000010	City of Berryville Public Education on Mitigation Techniques	\$0	\$3,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000011	City of Brownsboro Flood Mitigation Education for City Officials and Citizens	\$0	\$5,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000012	City of Brownsboro Public Education on Mitigation Techniques	\$0	\$5,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000013	City of Chandler Citizen/Business/City Mitigation Strategy Planning	Encourage the development of public and private partnership with businesses, service organizations and other community groups to work together on mitigation	05000024, 05000025	Henderson	12020001	120200010206, 120200010301, 120200010302	Upper Neches	Education and Outreach	6	Riverine	Chandler	Chandler	No
052000014	City of Chandler Public Education on Code Red System	Provide public training and education materials about the Code Red system and how to register for the warning system notifications	05000024, 05000025	Henderson	12020001	120200010206, 120200010301, 120200010302	Upper Neches	Education and Outreach	6	Riverine	Chandler	Chandler	No
052000015	Houston County Property Elevation and Public Education on NFIP	Conduct program to educate residents on NFIP/availability of flood insurance and elevating new construction in and outside of mapped floodplain areas.	05000024, 05000025	Houston	12020001, 12020002	120200010509, 120200010705, 120200010701, 120200010702, 120200010703, 120200020101, 120200020203, 120200020206, 120200020204, 120200020402, 120200020401, 120200020102, 120200020103, 120200020104, 120200020106, 120200020202	Upper Neches, Middle Neches	Education and Outreach	418	Riverine	Houston	Houston	No
052000016	Houston County Public Education Program on Emergency Evacuation	Conduct public education program and advertise Houston County Emergency Evacuation Plan, such as escape routes in coordination with TxDOT.	05000024, 05000025	Houston	12020001, 12020002	120200010509, 120200010705, 120200010701, 120200010702, 120200010703, 120200020101, 120200020203, 120200020206, 120200020204, 120200020402, 120200020401, 120200020102, 120200020103, 120200020104, 120200020106, 120200020202	Upper Neches, Middle Neches	Education and Outreach	418	Riverine	Houston	Houston	No
052000017	City of Kennard Public Awareness Program	Conduct public awareness program and distribute NFIP education information to citizens including availability of flood insurance.	05000024, 05000025	Houston	12020001, 12020002	120200010509, 120200010705, 120200010701, 120200010702, 120200010703, 120200020101, 120200020203, 120200020206, 120200020204, 120200020402, 120200020401, 120200020102, 120200020103, 120200020104, 120200020106, 120200020202	Upper Neches, Middle Neches	Education and Outreach	418	Riverine	Houston	Houston	No
052000018	JCDD6 Public Education Material Distribution	Develop distribution centers in local libraries, DD6 facilities, DD6 website and other public buildings where information and safety guidance on natural and manmade hazards as well as ways to mitigate hazards can be provided to citizens	05000024, 05000025	Jefferson	12020003, 12020007, 12040201, 12040202	120200030405, 120200030406, 120200070110, 120200070105, 120200070201, 120200070205, 120200070304, 120200070303, 120402020200, 120402020300, 120402010100, 120402010200, 120402010300	Lower Neches, Pine Island Bayou, Sabine Lake, East Galveston Bay	Education and Outreach	497	Riverine, Coastal	Jefferson County Drainage District 6	Jefferson County Drainage District 6	No

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
052000013	City of Chandler Citizen/Business/City Mitigation Strategy Planning	\$0	\$10,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000014	City of Chandler Public Education on Code Red System	\$0	\$10,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000015	Houston County Property Elevation and Public Education on NFIP	\$0	\$10,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000016	Houston County Public Education Program on Emergency Evacuation	\$0	\$22,200	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000017	City of Kennard Public Awareness Program	\$0	\$10,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000018	JCDD6 Public Education Material Distribution	\$0	\$50,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000019	City of Daisetta Education of City Council on Mitigation Benefits	Educate City Council on benefits of mitigation and encourage council members to become more involved.	05000024, 05000025	Liberty	12020007	120200070109, 120200070106, 120200070108	Pine Island Bayou	Education and Outreach	1	Riverine	Daisetta	Daisetta	No
052000020	City of Nacogdoches Public Education Program	Develop and promote a public education program regarding flood hazards, NFIP, and flood plain regulations.	05000024, 05000025	Nacogdoches	12020004, 12020005	120200040704, 120200050101, 120200050102, 120200050106, 120200050201	Upper Angelina, Lower Angelina	Education and Outreach	28	Riverine	Nacogdoches	Nacogdoches	No
052000021	Polk County Public Education Campaign	Initiate public education campaign to improve the community's understanding and access to information on natural hazards and how to improve level of protection for their homes.	05000024, 05000025	Polk	12020002, 12020006, 12020007	Various	Middle Neches, Village, Pine Island Bayou	Education and Outreach	535	Riverine	Polk	Polk	No
052000022	San Augustine County Public Education on Mitigation Techniques	Includes programs in schools and senior citizen centers, pamphlets, and community meetings.	05000024, 05000025	San Augustine	12020005	Various	Lower Angelina	Education and Outreach	533	Riverine	San Augustine	San Augustine	No
052000023	Shelby County Public Education on Hazards	Educate the residents of Shelby County and participating jurisdictions on safety and planning for the hazards identified in this plan	05000024, 05000025	Shelby	12020005	120200050303, 120200050301, 120200050307, 120200050401, 120200050402, 120200050403, 120200050404, 120200050405, 120200050701	Lower Angelina	Education and Outreach	160	Riverine	Shelby	Shelby	No

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Identified by RFPG

FMS ID	FMS Name	Nonrecurring , Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/ Structure removed	Consideration of Nature- based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
052000019	City of Daisetta Education of City Council on Mitigation Benefits	\$0	\$10,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000020	City of Nacogdoches Public Education Program	\$0	\$20,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000021	Polk County Public Education Campaign	\$0	\$50,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000022	San Augustine County Public Education on Mitigation Techniques	\$0	\$10,600	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000023	Shelby County Public Education on Hazards	\$0	\$50,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000024	City of Groveton Public Education on Mitigation Actions	Create a program to educate the public about specific mitigation actions for multiple hazards	05000024, 05000025	Trinity	12020002	120200020403	Middle Neches	Education and Outreach	1	Riverine	Groveton	Groveton	No
052000025	Trinity County Public Education on Mitigation Actions	Create a program to educate the public about specific mitigation actions for multiple hazards	05000024, 05000025	Trinity	12020002	120200020203, 120200020207, 120200020205, 120200020206, 120200020204, 120200020304, 120200020303, 120200020305, 120200020306, 120200020402, 120200020401, 120200020403, 120200020404, 120200020405, 120200020407, 120200020202	Middle Neches	Education and Outreach	342	Riverine	Trinity	Trinity	No
052000026	Anderson County Code Red System	Plan and implement a new publicity campaign to expand enrollment in CODE RED notification system; use CODE RED to warn of impending hazard events.	05000024, 05000025	Anderson	12020001	Various	Upper Neches	Flood Measurement and Warning	495	Riverine	Anderson	Anderson	No
052000027	Angelina County Siren Warning System Installation	Install warning siren system.	05000024, 05000025	Angelina	12020002, 12020003, 12020004, 12020005	Various	Middle Neches, Lower Neches, Upper Angelina, Lower Angelina	Flood Measurement and Warning	861	Riverine	Angelina	Angelina	No
052000028	Houston County Alert/Notification System Installation	Purchase and install I-info alert/notification system including one user license per jurisdiction or participating entity.	05000024, 05000025	Houston	12020001, 12020002	120200010509, 120200010705, 120200010701, 120200010702, 120200010703, 120200020101, 120200020203, 120200020206, 120200020204, 120200020402, 120200020401, 120200020102, 120200020103, 120200020104, 120200020106, 120200020202	Upper Neches, Middle Neches	Flood Measurement and Warning	418	Riverine	Houston	Houston	No

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FMS ID	FMS Name	Nonrecurring , Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/ Structure removed	Consideration of Nature- based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
052000024	City of Groveton Public Education on Mitigation Actions	\$0	\$5,100	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000025	Trinity County Public Education on Mitigation Actions	\$0	\$10,200	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000026	Anderson County Code Red System	\$0	\$100,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000027	Angelina County Siren Warning System Installation	\$0	\$209,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000028	Houston County Alert/Notification System Installation	\$0	\$602,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals

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FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000029	Houston County Gage Installation and Monitoring	Install stream and rain gauges in flood prone areas and waterways as part of overall rainfall tracking, recording program, and new alert notification system.	05000017, 05000018	Houston	12020001, 12020002	120200010509, 120200010705, 120200010701, 120200010702, 120200010703, 120200020101, 120200020203, 120200020206, 120200020204, 120200020402, 120200020401, 120200020102, 120200020103, 120200020104, 120200020106, 120200020202	Upper Neches, Middle Neches	Flood Measurement and Warning	418	Riverine	Houston	Houston	Yes
052000030	Houston County Rainfall Observer Program	Implement rainfall observer program utilizing volunteers.	05000017, 05000018	Houston	12020001, 12020002	120200010509, 120200010705, 120200010701, 120200010702, 120200010703, 120200020101, 120200020203, 120200020206, 120200020204, 120200020402, 120200020401, 120200020102, 120200020103, 120200020104, 120200020106, 120200020202	Upper Neches, Middle Neches	Flood Measurement and Warning	418	Riverine	Houston	Houston	No
052000031	City of Brownsboro Code Red System Implementation	Obtain access and/or incorporate the use of the automated emergency calling system, Code Red, into local emergency management plan	05000024, 05000025	Henderson	12020001	120200010205, 120200010206	Upper Neches	Flood Measurement and Warning	2	Riverine	Brownsboro	Brownsboro	No
052000032	City of Chandler Warning Siren Maintenance	Check the location and condition of warning sirens; determine if repairs are needed	05000024, 05000025	Henderson	12020001	120200010206, 120200010301, 120200010302	Upper Neches	Flood Measurement and Warning	6	Riverine	Chandler	Chandler	No
052000033	City of Murchison Warning Siren System Installation	Obtain early warning siren system installment inside jurisdiction to assist in public notification of hazard prior to hazard occurrence	05000024, 05000025	Henderson	12020001	120200010204, 120200010303	Upper Neches	Flood Measurement and Warning	2	Riverine	Murchison	Murchison	No

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052000029	Houston County Gage Installation and Monitoring	\$0	\$121,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000030	Houston County Rainfall Observer Program	\$0	\$5,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000031	City of Brownsboro Code Red System Implementation	\$0	\$100,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000032	City of Chandler Warning Siren Maintenance	\$0	\$100,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000033	City of Murchison Warning Siren System Installation	\$0	\$100,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals

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FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000034	JCDD6 Increase Flood Predictive Capability for Streams and Creeks	Utilize ALERT stations and work with National Weather Service to help citizens of the Bevil Oaks community better understand the flood warnings and predictions.	05000024, 05000025	Jefferson	12020003, 12020007, 12040201, 12040202	120200030405, 120200030406, 120200070110, 120200070105, 120200070201, 120200070205, 120200070304, 120200070303, 120402020200, 120402020300, 120402010100, 120402010200, 120402010300	Lower Neches, Pine Island Bayou, Sabine Lake, East Galveston Bay	Flood Measurement and Warning	497	Riverine, Coastal	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes
052000035	JCDD7 Update Data Operation System-Control Center	Will allow officials to see what pump stations are operating in real time, monitor pumps/generator conditions and status	05000017, 05000018	Jefferson	12020003, 12040201	120200030407, 120200030406, 120402010200, 120402010300	Lower Neches, Sabine Lake	Flood Measurement and Warning	112	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes
052000036	OCDD Hazard Notification System Development	Develop employee emergency notification system to warn staff of imminent hazards/risks.	05000024, 05000025	Orange	12020003, 12010005, 12040201	120200030407, 120200030404, 120200030405, 120200030406, 120200030402, 120200030403, 120100051005, 120100051004, 120402010500	Lower Neches, Lower Sabine, Sabine Lake	Flood Measurement and Warning	156	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes
052000037	OCDD Installing Additional Stream Gages	Add stream gauges to the major watersheds to increase flood predictive capability for streams and creeks that affect OCDD (stream gages)	05000017, 05000018	Orange	12020003, 12010005, 12040201	120200030407, 120200030404, 120200030405, 120200030406, 120200030402, 120200030403, 120100051005, 120100051004, 120402010500	Lower Neches, Lower Sabine, Sabine Lake	Flood Measurement and Warning	156	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes

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052000034	JCDD6 Increase Flood Predictive Capability for Streams and Creeks	\$0	\$100,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000035	JCDD7 Update Data Operation System-Control Center	\$0	\$104,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000036	OCDD Hazard Notification System Development	\$0	\$11,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000037	OCDD Installing Additional Stream Gages	\$0	\$534,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals

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FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000038	Polk County Improved Hazard Communication	Upgrade and expand implementation of natural hazard warning systems and methods.	05000024, 05000025	Polk	12020002, 12020006, 12020007	Various	Middle Neches, Village, Pine Island Bayou	Flood Measurement and Warning	535	Riverine	Polk	Polk	Yes
052000039	Shelby County Electronic Hazard Warning Message Board Acquisition	Acquire electronic message board for use during disaster response and recovery operations	05000024, 05000025	Shelby	12020005	120200050303, 120200050301, 120200050307, 120200050401, 120200050402, 120200050403, 120200050404, 120200050405, 120200050701	Lower Angelina	Flood Measurement and Warning	160	Riverine	Shelby	Shelby	Yes
052000040	Shelby County Warning Siren Installation	Install warning sirens at strategic locations for use during disaster events	05000024, 05000025	Shelby	12020005	120200050303, 120200050301, 120200050307, 120200050401, 120200050402, 120200050403, 120200050404, 120200050405, 120200050701	Lower Angelina	Flood Measurement and Warning	160	Riverine	Shelby	Shelby	No
052000041	City of Groveton Warning System Upgrades	Implement, upgrade, expand, and integrate digital methods for storm notification to include all methods of communication including: cell phones, text messages, land-lines, internet networking sites, television, and radio.	05000024, 05000025	Trinity	12020002	120200020403	Middle Neches	Flood Measurement and Warning	1	Riverine	Groveton	Groveton	No
052000042	Van Zandt County Warning System Acquisition	Acquire and Install Warning Systems throughout the County, including Incorporated Jurisdictions. Reduce risk to citizens through improved communications and early warning.	05000024, 05000025	Van Zandt	12020001	120200010201, 120200010203, 120200010205, 120200010206, 120200010301, 120200010101, 120200010102, 120200010103, 120200010105, 120200010202, 120200010204	Upper Neches	Flood Measurement and Warning	244	Riverine	Van Zandt	Van Zandt	No
052000043	Angelina County Property Acquisition	Acquire repetitive loss properties.	05000007, 05000008	Angelina	12020002, 12020003, 12020004, 12020005	Various	Middle Neches, Lower Neches, Upper Angelina, Lower Angelina	Property Acquisition and Structural Elevation	861	Riverine	Angelina	Angelina	Yes
052000044	Angelina County Property Elevation	Elevate properties in the floodplain.	05000007, 05000008	Angelina	12020002, 12020003, 12020004, 12020005	Various	Middle Neches, Lower Neches, Upper Angelina, Lower Angelina	Property Acquisition and Structural Elevation	861	Riverine	Angelina	Angelina	Yes
052000045	Hardin County Voluntary Flood Buyout	Voluntary flood buyouts.	05000007, 05000008	Hardin	12020003, 12020006, 12020007	Various	Lower Neches, Village, Pine Island Bayou	Property Acquisition and Structural Elevation	894	Riverine	Hardin	Hardin	Yes

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052000038	Polk County Improved Hazard Communication	\$0	\$3,110,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000039	Shelby County Electronic Hazard Warning Message Board Acquisition	\$0	\$111,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000040	Shelby County Warning Siren Installation	\$0	\$3,319,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000041	City of Groveton Warning System Upgrades	\$0	\$11,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000042	Van Zandt County Warning System Acquisition	\$0	\$82,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000043	Angelina County Property Acquisition	\$500,000	\$2,100,000	\$0	0	100	No	0	No	Yes	Complies with RFPG Goals
052000044	Angelina County Property Elevation	\$100,000	\$630,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000045	Hardin County Voluntary Flood Buyout	\$90,000	\$4,000,000	\$0	0	100	No	0	No	Yes	Complies with RFPG Goals

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052000046	Hardin County Voluntary Residential Structure Elevation	Voluntary elevations of flood prone properties in Hardin County.	05000007, 05000008	Hardin	12020003, 12020006, 12020007	Various	Lower Neches, Village, Pine Island Bayou	Property Acquisition and Structural Elevation	894	Riverine	Hardin	Hardin	Yes
052000047	City of Kountze Flood Buyout	Voluntary flood buyouts.	05000007, 05000008	Hardin	12020006	120200060405	Village	Property Acquisition and Structural Elevation	4	Riverine	Kountze	Kountze	Yes
052000048	City of Lumberton Voluntary Flood Buyout	Voluntary flood buyouts.	05000007, 05000008	Hardin	12020006, 12020007	120200060407, 120200070302, 120200070303	Village, Pine Island Bayou	Property Acquisition and Structural Elevation	13	Riverine	Lumberton	Lumberton	Yes
052000049	City of Rose Hill Acres Voluntary Flood Buyout	Voluntary flood buyouts.	05000007, 05000008	Hardin	12020007	120200070303	Pine Island Bayou	Property Acquisition and Structural Elevation	0	Riverine	Rose Hill Acres	Rose Hill Acres	Yes
052000050	City of Rose Hill Acres Voluntary Residential Structure Elevation	Voluntary elevations of flood prone properties in Rose Hill Acres.	05000007, 05000008	Hardin	12020007	120200070303	Pine Island Bayou	Property Acquisition and Structural Elevation	0	Riverine	Rose Hill Acres	Rose Hill Acres	Yes
052000051	City of Silsbee Voluntary Flood Buyout	Voluntary flood buyouts.	05000007, 05000008	Hardin	12020003, 12020006	120200030401, 120200060406, 120200060407	Lower Neches, Village	Property Acquisition and Structural Elevation	8	Riverine	Silsbee	Silsbee	Yes
052000052	City of Sour Lake Voluntary Flood Buyout	Voluntary flood buyouts.	05000007, 05000008	Hardin	12020007	120200070201, 120200070204, 120200070105	Pine Island Bayou	Property Acquisition and Structural Elevation	2	Riverine	Sour Lake	Sour Lake	Yes
052000053	Jefferson County Property Elevation	FIF Application; aimed to elevate houses within county subject to inundation from flooding.	05000007, 05000008	Jefferson	12020003, 12020007, 12040201, 12040202	120200030407, 120200030405, 120200030406, 120200070110, 120200070105, 120200070201, 120200070205, 120200070304, 120200070303, 120402020500, 120402020200, 120402020300, 120402010500, 120402010100, 120402010200, 120402010300	Lower Neches, Pine Island Bayou, Sabine Lake, East Galveston Bay	Property Acquisition and Structural Elevation	954	Riverine, Coastal	Jefferson	Jefferson	Yes
052000054	Liberty County Property Acquisition	Acquire property located in the floodplain including properties located in subdivisions along the Trinity River.	05000007, 05000008	Liberty	12020007, 12030203, 12040201, 12040202	120200070109, 120200070102, 120200070101, 120200070110, 120200070104, 120200070105, 120200070107, 120200070106, 120200070103, 120200070108, 120200070201, 120302030202, 120402020100, 120402020200, 120402010100	Pine Island Bayou, Lower Trinity, Sabine Lake, East Galveston Bay	Property Acquisition and Structural Elevation	235	Riverine	Liberty	Liberty	Yes
052000055	City of Nacogdoches Study and Ranking of Repetitive Loss Structures	Analyze flood-prone properties in the City of Nacogdoches and identify appropriate mitigation options for each repetitive loss structure.	05000007, 05000008	Nacogdoches	12020004, 12020005	120200040704, 120200050101, 120200050102, 120200050106, 120200050201	Upper Angelina, Lower Angelina	Property Acquisition and Structural Elevation	28	Riverine	Nacogdoches	Nacogdoches	Yes
052000056	San Augustine County Acquisition and Conversion of Flood Prone Properties	Acquire flood prone/repetitive loss properties and convert to open space, parks, boating access, trails, agricultural projects, and/or as a general community asset.	05000007, 05000008	San Augustine	12020005	Various	Lower Angelina	Property Acquisition and Structural Elevation	533	Riverine	San Augustine	San Augustine	Yes

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
052000046	Hardin County Voluntary Residential Structure Elevation	\$140,000	\$7,500,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000047	City of Kountze Flood Buyout	\$60,000	\$6,000,000	\$0	0	100	No	0	No	Yes	Complies with RFPG Goals
052000048	City of Lumberton Voluntary Flood Buyout	\$90,000	\$6,000,000	\$0	0	100	No	0	No	Yes	Complies with RFPG Goals
052000049	City of Rose Hill Acres Voluntary Flood Buyout	\$90,000	\$5,000,000	\$0	0	100	No	0	No	Yes	Complies with RFPG Goals
052000050	City of Rose Hill Acres Voluntary Residential Structure Elevation	\$90,000	\$6,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000051	City of Silsbee Voluntary Flood Buyout	\$40,000	\$6,000,000	\$0	0	100	No	0	No	Yes	Complies with RFPG Goals
052000052	City of Sour Lake Voluntary Flood Buyout	\$40,000	\$6,000,000	\$0	0	100	No	0	No	Yes	Complies with RFPG Goals
052000053	Jefferson County Property Elevation	\$500,000	\$1,110,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000054	Liberty County Property Acquisition	\$500,000	\$2,140,000	\$0	0	100	No	0	No	Yes	Complies with RFPG Goals
052000055	City of Nacogdoches Study and Ranking of Repetitive Loss Structures	\$100,000	\$327,000	\$0	0	100	No	0	No	Yes	Complies with RFPG Goals
052000056	San Augustine County Acquisition and Conversion of Flood Prone Properties	\$100,000	\$530,000	\$0	0	100	No	0	No	Yes	Complies with RFPG Goals

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FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000057	San Augustine County Structure Elevation	Elevate existing flood prone structures above the base flood elevation to reduce flood losses. Flood proof historical structures at risk from flooding.	05000007, 05000008	San Augustine	12020005	Various	Lower Angelina	Property Acquisition and Structural Elevation	533	Riverine	San Augustine	San Augustine	Yes
052000058	Shelby County Property Acquisition	Acquire flood prone/repetitive loss properties and convert to open space, parks, boating access, trails, agricultural projects, and/or as a general community asset	05000007, 05000008	Shelby	12020005	120200050303, 120200050301, 120200050307, 120200050401, 120200050402, 120200050403, 120200050404, 120200050405, 120200050701	Lower Angelina	Property Acquisition and Structural Elevation	160	Riverine	Shelby	Shelby	Yes
052000059	Trinity County Buyout Program Implementation	Develop and implement a program to buyout repetitive loss properties and convert to open space, parks, boating access, trails, and/or as a general community asset.	05000007, 05000008	Trinity	12020002	120200020203, 120200020207, 120200020205, 120200020206, 120200020204, 120200020304, 120200020303, 120200020305, 120200020306, 120200020402, 120200020401, 120200020403, 120200020404, 120200020405, 120200020407, 120200020202	Middle Neches	Property Acquisition and Structural Elevation	342	Riverine	Trinity	Trinity	Yes
052000060	City of Groveton Buyout Program Implementation	Develop and implement a program to buyout repetitive loss properties and convert to open space, parks, boating access, trails, and/or as a general community asset.	05000007, 05000008	Trinity	12020002	120200020403	Middle Neches	Property Acquisition and Structural Elevation	1	Riverine	Groveton	Groveton	Yes
052000061	City of Diboll Ordinance and Regulation Update	Update building code and subdivision ordinance to include restrictions on the distance a structure can be built from active streams and creeks.	05000005, 05000006, 05000007, 05000008	Angelina	12020002	120200020307, 120200020306	Middle Neches	Regulatory and Guidance	5	Riverine	Diboll	Diboll	Yes
052000062	City of Cuney Bridge and Culvert Inspection Program	Plan and implement a program to regularly inspect low-lying bridges and highway culverts, clear debris, and create safe pathways for excess water runoff, to avoid flooding.	05000007, 05000008, 05000022, 05000023	Cherokee	12020001	120200010402	Upper Neches	Regulatory and Guidance	2	Riverine	Cuney	Cuney	Yes
052000063	City of Cuney Seek NFIP Participation	Pass appropriate Resolutions and Ordinances for participation in the National Flood Insurance Program.	05000003, 05000004, 05000007, 05000008	Cherokee	12020001	120200010402	Upper Neches	Regulatory and Guidance	2	Riverine	Cuney	Cuney	Yes
052000064	City of Gallatin Multi-Jurisdiction Coordination	Work with County or TXDOT to increase drainage capacity in sites that are prone to flooding.	05000001, 05000002, 05000005, 05000006, 05000007, 05000008	Cherokee	12020004	120200040204, 120200040205	Upper Angelina	Regulatory and Guidance	5	Riverine	Gallatin	Gallatin	Yes
052000065	City of Jacksonville Multi-Jurisdiction Coordination	Work with County or TXDOT to increase drainage capacity in sites that are prone to flooding.	05000001, 05000002, 05000005, 05000006, 05000007, 05000008	Cherokee	12020001, 12020004	120200010506, 120200040201, 120200040204	Upper Neches, Upper Angelina	Regulatory and Guidance	14	Riverine	Jacksonville	Jacksonville	No
052000066	City of Reklaw Improved Enforcement of Ordinances	Improve the long-range management and use of flood-prone areas by the adoption and enforcement of local ordinances to regulate new development within the floodplain. Review and revise ordinances, when needed.	05000003, 05000004, 05000007, 05000008	Cherokee	12020004	120200040207, 120200040405	Upper Angelina	Regulatory and Guidance	3	Riverine	Reklaw	Reklaw	Yes

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052000057	San Augustine County Structure Elevation	\$100,000	\$318,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000058	Shelby County Property Acquisition	\$25,000	\$100,000	\$0	0	100	No	0	No	Yes	Complies with RFPG Goals
052000059	Trinity County Buyout Program Implementation	\$25,000	\$100,000	\$0	0	100	No	0	No	Yes	Complies with RFPG Goals
052000060	City of Groveton Buyout Program Implementation	\$25,000	\$100,000	\$0	0	100	No	0	No	Yes	Complies with RFPG Goals
052000061	City of Diboll Ordinance and Regulation Update	\$0	\$10,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000062	City of Cuney Bridge and Culvert Inspection Program	\$0	\$25,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000063	City of Cuney Seek NFIP Participation	\$0	\$5,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000064	City of Gallatin Multi-Jurisdiction Coordination	\$0	\$5,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000065	City of Jacksonville Multi-Jurisdiction Coordination	\$0	\$10,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000066	City of Reklaw Improved Enforcement of Ordinances	\$0	\$10,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals

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FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000067	City of Rusk Flood Maps Maintenance and Update	Work with state and federal agencies to maintain current flood maps.	05000015, 05000016	Cherokee	12020001, 12020004	120200010601, 120200010602, 120200040206, 120200040207	Upper Neches, Upper Angelina	Regulatory and Guidance	7	Riverine	Rusk	Rusk	Yes
052000068	Hardin County Continued NFIP Participation	Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.	05000003, 05000004, 05000007, 05000008	Hardin	12020003, 12020006, 12020007	Various	Lower Neches, Village, Pine Island Bayou	Regulatory and Guidance	894	Riverine	Hardin	Hardin	Yes
052000069	Hardin County Drainage District	Form Drainage District: Purpose would be to oversee/ maintain, and construct required drainage projects for the County. Regulate stormwater mitigation for new and future developments.	05000013, 05000014	Hardin	12020003, 12020006, 12020007	Various	Lower Neches, Village, Pine Island Bayou	Regulatory and Guidance	894	Riverine	Hardin	Hardin	Yes
052000070	City of Kountze Continued NFIP Participation	Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.	05000003, 05000004, 05000007, 05000008	Hardin	12020006	120200060405	Village	Regulatory and Guidance	4	Riverine	Kountze	Kountze	Yes
052000071	City of Lumberton Continued NFIP Participation	Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.	05000003, 05000004, 05000007, 05000008	Hardin	12020006, 12020007	120200060407, 120200070302, 120200070303	Village, Pine Island Bayou	Regulatory and Guidance	13	Riverine	Lumberton	Lumberton	Yes
052000072	City of Rose Hill Acres Continued NFIP Participation	Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.	05000003, 05000004, 05000007, 05000008	Hardin	12020007	120200070303	Pine Island Bayou	Regulatory and Guidance	0	Riverine	Rose Hill Acres	Rose Hill Acres	Yes
052000073	City of Silsbee Continued NFIP Participation	Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.	05000003, 05000004, 05000007, 05000008	Hardin	12020003, 12020006	120200030401, 120200060406, 120200060407	Lower Neches, Village	Regulatory and Guidance	8	Riverine	Silsbee	Silsbee	Yes

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052000067	City of Rusk Flood Maps Maintenance and Update	\$0	\$10,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000068	Hardin County Continued NFIP Participation	\$0	\$80,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000069	Hardin County Drainage District	\$0	\$900,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000070	City of Kountze Continued NFIP Participation	\$0	\$60,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000071	City of Lumberton Continued NFIP Participation	\$0	\$80,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000072	City of Rose Hill Acres Continued NFIP Participation	\$0	\$80,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000073	City of Silsbee Continued NFIP Participation	\$0	\$50,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals

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FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000074	City of Sour Lake Continued NFIP Participation	Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.	05000003, 05000004, 05000007, 05000008	Hardin	12020007	120200070201, 120200070204, 120200070105	Pine Island Bayou	Regulatory and Guidance	2	Riverine	Sour Lake	Sour Lake	Yes
052000075	Houston County Mobile Home Inspection	Conduct routine inspection of manufactured home/mobile homes in flood-prone area to ensure proper tie-downs per Flood Damage Ordinance.	05000007, 05000008	Houston	12020001, 12020002	120200010509, 120200010705, 120200010701, 120200010702, 120200010703, 120200020101, 120200020203, 120200020206, 120200020204, 120200020402, 120200020401, 120200020102, 120200020103, 120200020104, 120200020106, 120200020202	Upper Neches, Middle Neches	Regulatory and Guidance	418	Riverine	Houston	Houston	Yes
052000076	JCDD6 Multi-Jurisdiction Coordination	Increase coordination with the City and County regarding flood predictions and post event recovery.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000009, 05000010, 05000011, 05000012	Jefferson	12020003, 12020007, 12040201, 12040202	120200030405, 120200030406, 120200070110, 120200070105, 120200070201, 120200070205, 120200070304, 120200070303, 120402020200, 120402020300, 120402010100, 120402010200, 120402010300	Lower Neches, Pine Island Bayou, Sabine Lake, East Galveston Bay	Regulatory and Guidance	497	Riverine, Coastal	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes
052000077	JCDD6 Severe Weather Action Plan	Create severe weather action plan, conduct drills, identify and promulgate evacuation and sheltering options.	05000024, 05000025	Jefferson	12020003, 12020007, 12040201, 12040202	120200030405, 120200030406, 120200070110, 120200070105, 120200070201, 120200070205, 120200070304, 120200070303, 120402020200, 120402020300, 120402010100, 120402010200, 120402010300	Lower Neches, Pine Island Bayou, Sabine Lake, East Galveston Bay	Regulatory and Guidance	497	Riverine, Coastal	Jefferson County Drainage District 6	Jefferson County Drainage District 6	Yes
052000078	JCDD7 Storm Water Management Plan	Help to establish and allow District to enforce development regulations within existing flood zones.	05000005, 05000006, 05000007, 05000008	Jefferson	12020003, 12040201	120200030407, 120200030406, 120402010200, 120402010300	Lower Neches, Sabine Lake	Regulatory and Guidance	112	Riverine, Coastal	Jefferson County Drainage District 7	Jefferson County Drainage District 7	Yes
052000079	City of Daisetta Property Construction Ordinance	The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain.	05000007, 05000008	Liberty	12020007	120200070109, 120200070106, 120200070108	Pine Island Bayou	Regulatory and Guidance	1	Riverine	Daisetta	Daisetta	Yes
052000080	City of Daisetta Property Elevation Ordinance	The city shall adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet above base flood elevation.	05000007, 05000008	Liberty	12020007	120200070109, 120200070106, 120200070108	Pine Island Bayou	Regulatory and Guidance	1	Riverine	Daisetta	Daisetta	Yes
052000081	City of Hardin Subdivision Ordinance Implementation	Implement subdivision ordinance regulations concerning building in flood-prone areas.	05000007, 05000008	Liberty	12020007	120200070108	Pine Island Bayou	Regulatory and Guidance	1	Riverine	Hardin	Hardin	Yes
052000082	City of Nacogdoches Stormwater Drainage Fee Implementation	Implement stormwater drainage fee to assist funding of flood mitigation infrastructure projects	05000011, 05000012, 05000013, 05000014	Nacogdoches	12020004, 12020005	120200040704, 120200050101, 120200050102, 120200050106, 120200050201	Upper Angelina, Lower Angelina	Regulatory and Guidance	28	Riverine	Nacogdoches	Nacogdoches	No

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052000074	City of Sour Lake Continued NFIP Participation	\$0	\$60,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000075	Houston County Mobile Home Inspection	\$0	\$61,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000076	JCDD6 Multi-Jurisdiction Coordination	\$0	\$20,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000077	JCDD6 Severe Weather Action Plan	\$0	\$60,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000078	JCDD7 Storm Water Management Plan	\$0	\$50,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000079	City of Daisetta Property Construction Ordinance	\$0	\$10,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000080	City of Daisetta Property Elevation Ordinance	\$0	\$5,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000081	City of Hardin Subdivision Ordinance Implementation	\$0	\$10,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000082	City of Nacogdoches Stormwater Drainage Fee Implementation	\$0	\$40,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals

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052000083	City of Nacogdoches Codes and Ordinances Update	Review and update, if necessary, all City codes and ordinances pertaining to floodplain management to ensure their compliance with state and federal laws and to achieve cohesion with the mitigation strategies contained herein.	05000003, 05000004, 05000007, 05000008	Nacogdoches	12020004, 12020005	120200040704, 120200050101, 120200050102, 120200050106, 120200050201	Upper Angelina, Lower Angelina	Regulatory and Guidance	28	Riverine	Nacogdoches	Nacogdoches	Yes
052000084	OCDD Drainage Criteria Manual and Regulations Enforcement	Implement and enforce the Drainage Criteria Manual and Regulations for regulation of the effects of new developments and stormwater runoff.	05000007, 05000008	Orange	12010005, 12020003, 12040201	120100051004, 120100051005, 120200030402, 120200030403, 120200030404, 120200030405, 120200030406, 120200030407, 120402010500	Lower Sabine, Lower Neches, Sabine Lake	Regulatory and Guidance	156	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes
052000085	OCDD Support/Create Stricter Floodplain Ordinances	Work with Communities to support ordinances or create ordinances that help to protect new structures from being built in the floodplain or floodway	05000007, 05000008	Orange	12020003, 12010005, 12040201	120200030407, 120200030404, 120200030405, 120200030406, 120200030402, 120200030403, 120100051005, 120100051004, 120402010500	Lower Neches, Lower Sabine, Sabine Lake	Regulatory and Guidance	156	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes
052000086	San Augustine County Continue NFIP Participation	Continue participation in the National Flood Insurance Program (NFIP) and expand administration and monitoring capabilities	05000003, 05000004, 05000007, 05000008	San Augustine	12020005	Various	Lower Angelina	Regulatory and Guidance	533	Riverine	San Augustine	San Augustine	Yes
052000087	City of Lindale Natural Runoff Policies Implementation	Incorporate "natural run-off" policies. Calculate cumulative effect of development, increase capacity of storm water drainage systems, institute regular drain system maintenance.	05000003, 05000004	Smith	12020001	120200010104	Upper Neches	Regulatory and Guidance	4	Riverine	Lindale	Lindale	Yes
052000088	City of Lindale No Adverse Impact Implementation	Incorporate "no adverse impact" design requirements in community development. Provide awareness to stakeholders and design engineers; building code adoption and plan approval process.	05000003, 05000004, 05000024, 05000025	Smith	12020001	120200010104	Upper Neches	Regulatory and Guidance	4	Riverine	Lindale	Lindale	Yes
052000089	City of Troup Floodplain Ordinance Update	Adopt and enforce a stricter floodplain ordinance that no new structures are allowed in the 100-year floodway. Adopted by City Council action.	05000003, 05000004, 05000007, 05000008	Smith	12020004	120200040106, 120200040202	Upper Angelina	Regulatory and Guidance	2	Riverine	Troup	Troup	Yes
052000090	Trinity County Dam/Levee Failure Data Collection	Develop and implement standard operating procedures for collecting and sharing data to provide extent of dam/levee failure	05000001, 05000002	Trinity	12020002	120200020203, 120200020207, 120200020205, 120200020206, 120200020204, 120200020304, 120200020303, 120200020305, 120200020306, 120200020402, 120200020401, 120200020403, 120200020404, 120200020405, 120200020407, 120200020202	Middle Neches	Regulatory and Guidance	342	Riverine	Trinity	Trinity	Yes
052000091	Van Zandt County Higher Standards Incorporation	Incorporate Higher Standards for Hazard Resistance in Local Application of the Building Code.	05000003, 05000004, 05000007, 05000008	Van Zandt	12020001	120200010201, 120200010203, 120200010205, 120200010206, 120200010301, 120200010101, 120200010102, 120200010103, 120200010105, 120200010202, 120200010204	Upper Neches	Regulatory and Guidance	244	Riverine	Van Zandt	Van Zandt	Yes
052000092	Anderson County Culvert Improvements	Widen culverts to mitigate against future drainage issues that lead to flooding.	05000001, 05000002, 05000007, 05000008	Anderson	12020001	Various	Upper Neches	Infrastructure Projects	495	Riverine	Anderson	Anderson	Yes

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052000083	City of Nacogdoches Codes and Ordinances Update	\$0	\$30,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000084	OCDD Drainage Criteria Manual and Regulations Enforcement	\$0	\$20,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000085	OCDD Support/Create Stricter Floodplain Ordinances	\$0	\$40,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000086	San Augustine County Continue NFIP Participation	\$0	\$53,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000087	City of Lindale Natural Runoff Policies Implementation	\$0	\$30,000	\$0	0	100	No	0	No	Yes	Complies with RFPG Goals
052000088	City of Lindale No Adverse Impact Implementation	\$0	\$60,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000089	City of Troup Floodplain Ordinance Update	\$0	\$40,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000090	Trinity County Dam/Levee Failure Data Collection	\$0	\$30,600	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000091	Van Zandt County Higher Standards Incorporation	\$0	\$30,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000092	Anderson County Culvert Improvements	\$100,000	\$3,000,000	\$0	0	0	No	1	No	Yes	Complies with RFPG Goals

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000093	Anderson County Dam Inspection and Maintenance Program	Work with dam owners to keep dams in excellent condition by visiting dam locations and doing inspections with owners to ensure that dams are properly maintained and failure possibilities are greatly reduced.	05000011, 05000012, 05000013, 05000014	Anderson	12020001	Various	Upper Neches	Infrastructure Projects	495	Riverine	Anderson	Anderson	Yes
052000094	City of Frankston Culvert Improvements	Develop plan to increase drainage capacity in sites that are prone to flooding.	05000001, 05000002, 05000007, 05000008	Anderson	12020001	120200010404, 120200010307	Upper Neches	Infrastructure Projects	2	Riverine	Frankston	Frankston	Yes
052000095	City of Palestine Drainage System Expansion and Maintenance	Establish plan and necessary standards to increase the capacity of drainage ditches along all city streets and roads	05000001, 05000002, 05000007, 05000008	Anderson	12020001	120200010502, 120200010504	Upper Neches	Infrastructure Projects	7	Riverine	Palestine	Palestine	Yes
052000096	Angelina County Culvert Improvements	Develop plan to upgrade major culvert areas which are prone to flooding.	05000001, 05000002, 05000007, 05000008	Angelina	12020002, 12020003, 12020004, 12020005	Various	Middle Neches, Lower Neches, Upper Angelina, Lower Angelina	Infrastructure Projects	861	Riverine	Angelina	Angelina	Yes
052000097	City of Burke Drainage Ditch Capacity Upgrades	Establish a plan and necessary standards to increase the capacity of drainage ditches along all city streets and roads	05000001, 05000002, 05000007, 05000008	Angelina	12020002	120200020307, 120200020302, 120200020306	Middle Neches	Infrastructure Projects	3	Riverine	Burke	Burke	Yes
052000098	Chambers County Property Protection	Project will clear obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding throughout all participating jurisdictions	05000001, 05000002, 05000007, 05000008	Chambers	12040201, 12040202, 12040203, 12040204	120402030200, 120402020100, 120402020400, 120402020500, 120402020200, 120402020300, 120402040200, 120402010100	Sabine Lake, East Galveston Bay, North Galveston Bay, West Galveston Bay	Infrastructure Projects	434	Riverine, Coastal	Chambers	Chambers	Yes
052000099	Cherokee County Culvert Upgrades	Develop plan to upgrade major culvert areas which are prone to flooding.	05000001, 05000002, 05000007, 05000008	Cherokee	12020001, 12020002, 12020004	Various	Upper Neches, Middle Neches, Upper Angelina	Infrastructure Projects	1,058	Riverine	Cherokee	Cherokee	Yes
052000100	City of Alto Culvert Improvements	Develop plan to increase drainage capacity in sites that are prone to flooding.	05000001, 05000002, 05000007, 05000008	Cherokee	12020002	120200020101, 120200020105	Middle Neches	Infrastructure Projects	2	Riverine	Alto	Alto	Yes
052000101	City of Reklaw Drainage System Upgrades	Establish plan to increase drainage capacity in sites that are prone to flooding.	05000001, 05000002, 05000007, 05000008	Cherokee	12020004	120200040207, 120200040405	Upper Angelina	Infrastructure Projects	3	Riverine	Reklaw	Reklaw	Yes
052000102	City of Rusk Culvert Improvements	Establish plan to increase drainage capacity in sites that are prone to flooding.	05000001, 05000002, 05000007, 05000008	Cherokee	12020001, 12020004	120200010601, 120200010602, 120200040206, 120200040207	Upper Neches, Upper Angelina	Infrastructure Projects	7	Riverine	Rusk	Rusk	Yes
052000103	City of Wells Culvert Improvements	Establish plan to increase drainage capacity in sites that are prone to flooding.	05000001, 05000002, 05000007, 05000008	Cherokee	12020002	120200020106, 120200020201	Middle Neches	Infrastructure Projects	2	Riverine	Wells	Wells	Yes
052000104	Hardin County Culverts, Ditches, and Channel	Establish plan to upgrade storm water capacity by installing/upgrading culverts and enlarging storm water channels.	05000001, 05000002, 05000007, 05000008	Hardin	12020003, 12020006, 12020007	Various	Lower Neches, Village, Pine Island Bayou	Infrastructure Projects	894	Riverine	Hardin	Hardin	Yes

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
052000093	Anderson County Dam Inspection and Maintenance Program	\$10,500	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000094	City of Frankston Culvert Improvements	\$100,000	\$1,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000095	City of Palestine Drainage System Expansion and Maintenance	\$100,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000096	Angelina County Culvert Improvements	\$63,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000097	City of Burke Drainage Ditch Capacity Upgrades	\$100,000	\$500,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000098	Chambers County Property Protection	\$200,000	\$1,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000099	Cherokee County Culvert Upgrades	\$80,000	\$2,000,000	\$0	0	0	No	1	No	Yes	Complies with RFPG Goals
052000100	City of Alto Culvert Improvements	\$5,000	\$1,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000101	City of Reklaw Drainage System Upgrades	\$100,000	\$1,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000102	City of Rusk Culvert Improvements	\$5,000	\$1,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000103	City of Wells Culvert Improvements	\$5,000	\$1,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000104	Hardin County Culverts, Ditches, and Channel	\$200,000	\$3,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000105	Hardin County Detention Ponds	Develop a program to construct water retention ponds to collect stormwater run-off, reduce flooding, and use as an alternate water source throughout Hardin County.	05000001, 05000002, 05000003, 05000004, 05000007, 05000008, 05000009, 05000010	Hardin	12020003, 12020006, 12020007	Various	Lower Neches, Village, Pine Island Bayou	Infrastructure Projects	894	Riverine	Hardin	Hardin	Yes
052000106	Hardin County Elevate Roads and Bridges	Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.	05000005, 05000006, 05000007, 05000008	Hardin	12020003, 12020006, 12020007	Various	Lower Neches, Village, Pine Island Bayou	Infrastructure Projects	894	Riverine	Hardin	Hardin	Yes
052000107	City of Kountze Culverts and Ditches	Develop plan to increase drainage capacity in sites that are prone to flooding.	05000001, 05000002	Hardin	12020006	120200060405	Village	Infrastructure Projects	4	Riverine	Kountze	Kountze	Yes
052000108	City of Kountze Elevate Roads and Bridges	Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.	05000007, 05000008	Hardin	12020006	120200060405	Village	Infrastructure Projects	4	Riverine	Kountze	Kountze	Yes
052000109	City of Kountze General Drainage Improvements	Increase drainage capacity; add stormwater detention basins and stormwater pumping stations where gravity flow is not feasible.	05000001, 05000002	Hardin	12020006	120200060405	Village	Infrastructure Projects	4	Riverine	Kountze	Kountze	Yes
052000110	City of Lumberton Culverts, Ditches, and Channels	Develop plan to increase drainage capacity in sites that are prone to flooding.	05000001, 05000002	Hardin	12020006, 12020007	120200060407, 120200070302, 120200070303	Village, Pine Island Bayou	Infrastructure Projects	13	Riverine	Lumberton	Lumberton	Yes
052000111	City of Rose Hill Acres Flood Control Improvements	Develop a program to upgrade flood control structures (barriers, berms) for the purpose of protecting critical facilities, potable water sources, and agricultural resources from water contamination and saltwater intrusion.	05000001, 05000002	Hardin	12020007	120200070303	Pine Island Bayou	Infrastructure Projects	0	Riverine	Rose Hill Acres	Rose Hill Acres	Yes
052000112	City of Rose Hill Acres General Drainage Improvements	Establish criteria to increase drainage capacity; add stormwater detention basins, box culverts and/or pipes to increase drainage capacity.	05000001, 05000002	Hardin	12020007	120200070303	Pine Island Bayou	Infrastructure Projects	0	Riverine	Rose Hill Acres	Rose Hill Acres	Yes
052000113	City of Silsbee Detention, Culverts, Ditches and Channels	Develop plan to increase drainage capacity in sites that are prone to flooding.	05000001, 05000002, 05000003, 05000004, 05000007, 05000008, 05000009, 05000010	Hardin	12020003, 12020006	120200030401, 120200060406, 120200060407	Lower Neches, Village	Infrastructure Projects	8	Riverine	Silsbee	Silsbee	Yes
052000114	City of Silsbee Drainage Ditches	Develop a program to upgrade drainage ditches and explore converting necessary ditches into curb / sewer construction.	05000001, 05000002, 05000005, 05000006	Hardin	12020003, 12020006	120200030401, 120200060406, 120200060407	Lower Neches, Village	Infrastructure Projects	8	Riverine	Silsbee	Silsbee	Yes
052000115	City of Silsbee Flood Mitigation for Hendrix Development	Explore, plan, and implement flood mitigation strategies within the Hendrix Development.	05000001, 05000002, 05000003, 05000004, 05000007, 05000008, 05000009, 05000010	Hardin	12020003, 12020006	120200030401, 120200060406, 120200060407	Lower Neches, Village	Infrastructure Projects	8	Riverine	Silsbee	Silsbee	Yes

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
052000105	Hardin County Detention Ponds	\$200,000	\$1,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000106	Hardin County Elevate Roads and Bridges	\$200,000	\$10,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000107	City of Kountze Culverts and Ditches	\$80,000	\$3,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000108	City of Kountze Elevate Roads and Bridges	\$100,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000109	City of Kountze General Drainage Improvements	\$100,000	\$1,500,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000110	City of Lumberton Culverts, Ditches, and Channels	\$100,000	\$3,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000111	City of Rose Hill Acres Flood Control Improvements	\$100,000	\$3,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000112	City of Rose Hill Acres General Drainage Improvements	\$100,000	\$400,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000113	City of Silsbee Detention, Culverts, Ditches and Channels	\$100,000	\$1,500,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000114	City of Silsbee Drainage Ditches	\$100,000	\$1,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000115	City of Silsbee Flood Mitigation for Hendrix Development	\$100,000	\$5,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000116	City of Sour Lake Channel Improvements	Establish criteria and standards for installing large concrete channels, box culvert, concrete pipe, and/or mechanisms as needed to mitigate drainage ditch erosion and improve water capacity and conveyance.	05000001, 05000002, 05000005, 05000006	Hardin	12020007	120200070201, 120200070204, 120200070105	Pine Island Bayou	Infrastructure Projects	2	Riverine	Sour Lake	Sour Lake	Yes
052000117	City of Sour Lake Drainage Outfalls	Advance a plan to rectify, enlarge, and maintain outfall channels for the City of Sour Lake, including excavating interior roadside ditches.	05000001, 05000002, 05000005, 05000006	Hardin	12020007	120200070201, 120200070204, 120200070105	Pine Island Bayou	Infrastructure Projects	2	Riverine	Sour Lake	Sour Lake	Yes
052000118	City of Sour Lake Stormwater Detention	Establish criteria and standards to construct water retention ponds to collect stormwater run-off and reduce flooding.	05000001, 05000002, 05000003, 05000004, 05000007, 05000008, 05000009, 05000010	Hardin	12020007	120200070201, 120200070204, 120200070105	Pine Island Bayou	Infrastructure Projects	2	Riverine	Sour Lake	Sour Lake	Yes
052000119	Houston County Drainage Culvert Upgrades	Develop a plan to expand/upgrade drainage culverts to prevent flooded roadways and add signage in low-water crossings.	05000001, 05000002	Houston	12020001, 12020002	120200010509, 120200010705, 120200010701, 120200010702, 120200010703, 120200020101, 120200020203, 120200020206, 120200020204, 120200020402, 120200020401, 120200020102, 120200020103, 120200020104, 120200020106, 120200020202	Upper Neches, Middle Neches	Infrastructure Projects	418	Riverine	Houston	Houston	Yes
052000120	Houston County Flood Infrastructure Maintenance	Clear debris from bridges, box culverts, and drainage systems throughout unincorporated county.	05000007, 05000008, 05000011, 05000012, 05000013, 05000014	Houston	12020001, 12020002	120200010509, 120200010705, 120200010701, 120200010702, 120200010703, 120200020101, 120200020203, 120200020206, 120200020204, 120200020402, 120200020401, 120200020102, 120200020103, 120200020104, 120200020106, 120200020202	Upper Neches, Middle Neches	Infrastructure Projects	418	Riverine	Houston	Houston	Yes
052000121	City of Grapeland Critical Facilities Flood-Proofing	Flood proof critical facilities to the 500-year flood that are located in flood-prone areas of the city.	05000005, 05000006, 05000007, 05000008	Houston	12020001, 12020002	120200010509, 120200010705, 120200010701, 120200010702, 120200010703, 120200020101, 120200020203, 120200020206, 120200020204, 120200020402, 120200020401, 120200020102, 120200020103, 120200020104, 120200020106, 120200020202	Upper Neches, Middle Neches	Infrastructure Projects	418	Riverine	Houston	Houston	Yes
052000122	City of Kennard Ditch Maintenance Program	Implement program to routinely remove debris from drainage ways and roadside ditches to prevent back up of flood velocity and improve conveyance of stream during flood events.	05000007, 05000008, 05000011, 05000012, 05000013, 05000014	Houston	12020001, 12020002	120200010509, 120200010705, 120200010701, 120200010702, 120200010703, 120200020101, 120200020203, 120200020206, 120200020204, 120200020402, 120200020401, 120200020102, 120200020103, 120200020104, 120200020106, 120200020202	Upper Neches, Middle Neches	Infrastructure Projects	418	Riverine	Kennard	Kennard	Yes
052000123	Liberty County Drainage Projects	The county will work with partnering jurisdictions and engineers in order to implement drainage projects throughout the county- including adding ditches, detention ponds and detention basins in identified locations throughout the county.	05000001, 05000002, 05000003, 05000004	Liberty	12020007, 12030203, 12040201, 12040202	120200070109, 120200070102, 120200070101, 120200070110, 120200070104, 120200070105, 120200070107, 120200070106, 120200070103, 120200070108, 120200070201, 120302030202, 120402020100, 120402020200, 120402010100	Pine Island Bayou, Lower Trinity, Sabine Lake, East Galveston Bay	Infrastructure Projects	235	Riverine	Liberty	Liberty	Yes

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
052000116	City of Sour Lake Channel Improvements	\$60,000	\$500,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000117	City of Sour Lake Drainage Outfalls	\$60,000	\$1,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000118	City of Sour Lake Stormwater Detention	\$100,000	\$7,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000119	Houston County Drainage Culvert Upgrades	\$25,000	\$3,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000120	Houston County Flood Infrastructure Maintenance	\$121,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000121	City of Grapeland Critical Facilities Flood Proofing	\$100,000	\$1,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000122	City of Kennard Ditch Maintenance Program	\$50,000	\$1,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000123	Liberty County Drainage Projects	\$200,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000124	City of Daisetta Culvert Maintenance and Upgrades	Removal of debris, silt and vegetation obstacles in drainage ways. Project will clear obstacles, mow and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.	05000007, 05000008, 05000011, 05000012, 05000013, 05000014	Liberty	12020007	120200070109, 120200070106, 120200070108	Pine Island Bayou	Infrastructure Projects	1	Riverine	Daisetta	Daisetta	Yes
052000125	OCDD Flood Infrastructure Improvements	Support regional efforts to plan, design, and construct large scale flood control / storm surge protection improvements	05000001, 05000002	Orange	12020003, 12010005, 12040201	120200030407, 120200030404, 120200030405, 120200030406, 120200030402, 120200030403, 120100051005, 120100051004, 120402010500	Lower Neches, Lower Sabine, Sabine Lake	Infrastructure Projects	156	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes
052000126	Polk County Facilities Hazard Hardening Retrofit	Activities may include but are not limited to: flood proofing, impact resistant windows, storm shutters, roof straps, structural bracing, low-flow plumbing fixtures, roll-up door reinforcement, grounding systems, and surge-protection.	05000005, 05000006, 05000007, 05000008	Polk	12020002, 12020006, 12020007	Various	Middle Neches, Village, Pine Island Bayou	Infrastructure Projects	535	Riverine	Polk	Polk	Yes
052000127	Polk County Flood Infrastructure Improvements	Implement program to elevate and reinforce roadways and bridges prone to inundation from flooding. Projects may include general road elevation; upgrading culverts and installing headwalls; upgrades and reinforcement of bridges and bridge footings.	05000007, 05000008	Polk	12020002, 12020006, 12020007	Various	Middle Neches, Village, Pine Island Bayou	Infrastructure Projects	535	Riverine	Polk	Polk	Yes
052000128	City of Henderson Flood Infrastructure Maintenance	Establish a plan to conduct various flood control maintenance improvements throughout the City	05000007, 05000008, 05000011, 05000012, 05000013, 05000014	Rusk	12020004	120200040401	Upper Angelina	Infrastructure Projects	12	Riverine	Henderson	Henderson	Yes
052000129	San Augustine County Bridge Improvements	Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.	05000007, 05000008	San Augustine	12020005	Various	Lower Angelina	Infrastructure Projects	533	Riverine	San Augustine	San Augustine	Yes
052000130	San Augustine County Culvert Upgrades	Establish a plan to upgrade culverts in county extent. Actions can include but are not limited to: installing/upgrading culverts and headwalls; and enlarging storm water ditches and canals.	05000001, 05000002	San Augustine	12020005	Various	Lower Angelina	Infrastructure Projects	533	Riverine	San Augustine	San Augustine	Yes
052000131	San Augustine County Facilities Hazard Hardening Retrofit	Actions can include but are not limited to: installing window screens, storm shutters, window film reinforcements, roof straps, and flood proofing.	05000005, 05000006, 05000007, 05000008	San Augustine	12020005	Various	Lower Angelina	Infrastructure Projects	533	Riverine	San Augustine	San Augustine	Yes
052000132	San Augustine County Detention and Retention Pond Construction	Construct storm water detention/retention ponds at strategic locations for improved stormwater storage to hold storm water run-off and as a mitigation measure for drought and wildfire.	05000007, 05000008	San Augustine	12020005	Various	Lower Angelina	Infrastructure Projects	533	Riverine	San Augustine	San Augustine	Yes

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052000124	City of Daisetta Culvert Maintenance and Upgrades	\$100,000	\$1,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000125	OCDD Flood Infrastructure Improvements	\$200,000	\$3,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000126	Polk County Facilities Hazard Hardening Retrofit	\$200,000	\$1,500,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000127	Polk County Flood Infrastructure Improvements	\$200,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000128	City of Henderson Flood Infrastructure Maintenance	\$50,000	\$1,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000129	San Augustine County Bridge Improvements	\$200,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000130	San Augustine County Culvert Upgrades	\$200,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000131	San Augustine County Facilities Hazard Hardening Retrofit	\$200,000	\$1,500,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000132	San Augustine County Detention and Retention Pond Construction	\$105,000	\$3,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals

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FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000133	City of San Augustine and City of Broaddus County Facilities Hazard Hardening Retrofit	Construct flood protection, winter storm-hardening, and expansive soils mitigation projects for water distribution networks and wastewater facilities for Cities of Broaddus and San Augustine.	05000005, 05000006, 05000007, 05000008	San Augustine	12020005	120200050901, 120200050503	Lower Angelina	Infrastructure Projects	5	Riverine	San Augustine	San Augustine	Yes
052000134	Shelby County Detention and Retention Pond Construction	Establish a plan and necessary standards to construct storm water detention/retention ponds at strategic locations for improved stormwater storage to hold storm water run-off and as a mitigation measure for drought and wildfire	05000001, 05000002, 05000003, 05000004, 05000007, 05000008, 05000009, 05000010	Shelby	12020005	120200050303, 120200050301, 120200050307, 120200050401, 120200050402, 120200050403, 120200050404, 120200050405, 120200050701	Lower Angelina	Infrastructure Projects	160	Riverine	Shelby	Shelby	Yes
052000135	Shelby County Drainage Upgrades	Establish a plan to upgrade stormwater conveyance capacity via drainage improvement projects	05000001, 05000002	Shelby	12020005	120200050303, 120200050301, 120200050307, 120200050401, 120200050402, 120200050403, 120200050404, 120200050405, 120200050701	Lower Angelina	Infrastructure Projects	160	Riverine	Shelby	Shelby	Yes
052000136	Shelby County Facilities Hazard Hardening Retrofit	Establish a plan to storm-harden and/or retrofit existing and newly constructed critical facilities	05000005, 05000006, 05000007, 05000008	Shelby	12020005	120200050303, 120200050301, 120200050307, 120200050401, 120200050402, 120200050403, 120200050404, 120200050405, 120200050701	Lower Angelina	Infrastructure Projects	160	Riverine	Shelby	Shelby	Yes
052000137	Shelby County Roadway/Bridge Elevation	Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.	05000007, 05000008	Shelby	12020005	120200050303, 120200050301, 120200050307, 120200050401, 120200050402, 120200050403, 120200050404, 120200050405, 120200050701	Lower Angelina	Infrastructure Projects	160	Riverine	Shelby	Shelby	Yes
052000138	City of Tyler Open Channel Improvements	Implement a program to enclose open channels that are contributing to flooding. Priority locations are: 1) Ashmore subdivision between Ashmore and Salisbury and 2) Fleishel Ave. between 6th and 8th Streets.	05000007, 05000008	Smith	12020001, 12020004	120200010301, 120200010302, 120200010104, 120200010105, 120200040104, 120200040103	Upper Neches, Upper Angelina	Infrastructure Projects	56	Riverine	Tyler	Tyler	Yes

Table 17: Recommended Flood Management Strategies
Identified by RFPG

FMS ID	FMS Name	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
052000133	City of San Augustine and City of Broaddus County Facilities Hazard Hardening Retrofit	\$100,000	\$1,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000134	Shelby County Detention and Retention Pond Construction	\$200,000	\$3,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000135	Shelby County Drainage Upgrades	\$200,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000136	Shelby County Facilities Hazard Hardening Retrofit	\$200,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000137	Shelby County Roadway/Bridge Elevation	\$200,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000138	City of Tyler Open Channel Improvements	\$200,000	\$1,500,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)
052000139	City of Whitehouse Drainage Capacity Upgrades	Establish a plan to increase stormwater drainage capacity by completing a hydraulic study, evaluating historical water drainage, then constructing needed improvements.	05000007, 05000008	Smith	12020004	120200040106, 120200040105, 120200040103	Upper Angelina	Infrastructure Projects	6	Riverine	Whitehouse	Whitehouse	Yes
052000140	Trinity County Flood Infrastructure Upgrades	Within the county, develop a plan to install/improve culverts and headwalls in addition to expanding stormwater ditches and canals	05000001, 05000002	Trinity	12020002	120200020203, 120200020207, 120200020205, 120200020206, 120200020204, 120200020304, 120200020303, 120200020305, 120200020306, 120200020402, 120200020401, 120200020403, 120200020404, 120200020405, 120200020407, 120200020202	Middle Neches	Infrastructure Projects	342	Riverine	Trinity	Trinity	Yes
052000141	Trinity County Flood-prone Infrastructure Upgrades	Develop a program to upgrade flood infrastructure in the county. May include general roadway elevation upgrading culverts and installing headwalls; upgrades and reinforcement of bridges and bridge footings; etc.	05000007, 05000008	Trinity	12020002	120200020203, 120200020207, 120200020205, 120200020206, 120200020204, 120200020304, 120200020303, 120200020305, 120200020306, 120200020402, 120200020401, 120200020403, 120200020404, 120200020405, 120200020407, 120200020202	Middle Neches	Infrastructure Projects	342	Riverine	Trinity	Trinity	Yes
052000142	City of Groveton Flood Infrastructure Upgrades	Within the city, develop a plan to install/improve culverts and headwalls in addition to expanding stormwater ditches and canals	05000001, 05000002	Trinity	12020002	120200020403	Middle Neches	Infrastructure Projects	1	Riverine	Groveton	Groveton	Yes
052000143	Van Zandt County Drainage Capacity Upgrades	Establish a plan to increase Drainage Capacity; possible actions include installing French Drains, Building Elevation, and Upgrading Undersized Pipe under State Hwy for Water to Run into Creek.	05000001, 05000002, 05000007, 05000008	Van Zandt	12020001	120200010201, 120200010203, 120200010205, 120200010206, 120200010301, 120200010101, 120200010102, 120200010103, 120200010105, 120200010202, 120200010204	Upper Neches	Infrastructure Projects	244	Riverine	Van Zandt	Van Zandt	Yes
052000144	Van Zandt County Flood Infrastructure Maintenance	Adopt and Implement a Program for Clearing Debris from Bridges, Drains and Culverts. Reduce damages caused by flooding by maintaining or restoring drainage capacity.	05000007, 05000008, 05000011, 05000012, 05000013, 05000014	Van Zandt	12020001	120200010201, 120200010203, 120200010205, 120200010206, 120200010301, 120200010101, 120200010102, 120200010103, 120200010105, 120200010202, 120200010204	Upper Neches	Infrastructure Projects	244	Riverine	Van Zandt	Van Zandt	Yes
052000145	Van Zandt County Road Elevation	Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.	05000007, 05000008	Van Zandt	12020001	120200010201, 120200010203, 120200010205, 120200010206, 120200010301, 120200010101, 120200010102, 120200010103, 120200010105, 120200010202, 120200010204	Upper Neches	Infrastructure Projects	244	Riverine	Van Zandt	Van Zandt	Yes
052000146	Liberty County Topographical Mapping Update	Purchase updated topographical maps/complete LiDAR aerial survey for drainage plan.	05000015, 05000016	Liberty	12020007, 12030203, 12040201, 12040202	120200070109, 120200070102, 120200070101, 120200070110, 120200070104, 120200070105, 120200070107, 120200070106, 120200070103, 120200070108, 120200070201, 120302030202, 120402020100, 120402020200, 120402010100	Pine Island Bayou, Lower Trinity, Sabine Lake, East Galveston Bay	Other	235	Riverine	Liberty	Liberty	Yes
052000147	Liberty County Drainage District Multi-County Coordination	Work with adjoining counties regarding flood and drainage issues.	05000001, 05000002, 05000003, 05000004, 05000005, 05000006, 05000007, 05000008, 05000009, 05000010, 05000011, 05000012	Liberty	12020007, 12030203, 12040201, 12040202	120200070109, 120200070102, 120200070101, 120200070110, 120200070104, 120200070105, 120200070107, 120200070106, 120200070103, 120200070108, 120200070201, 120302030202, 120402020100, 120402020200, 120402010100	Pine Island Bayou, Lower Trinity, Sabine Lake, East Galveston Bay	Other	235	Riverine	Liberty County Drainage District	Liberty County Drainage District	Yes

Table 17: Recommended Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommendation (Y/N)	Reason for Recommendation
052000139	City of Whitehouse Drainage Capacity Upgrades	\$100,000	\$1,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000140	Trinity County Flood Infrastructure Upgrades	\$200,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000141	Trinity County Flood-prone Infrastructure Upgrades	\$200,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000142	City of Groveton Flood Infrastructure Upgrades	\$100,000	\$750,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000143	Van Zandt County Drainage Capacity Upgrades	\$200,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000144	Van Zandt County Flood Infrastructure Maintenance	\$26,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000145	Van Zandt County Road Elevation	\$200,000	\$2,000,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000146	Liberty County Topographical Mapping Update	\$0	\$107,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals
052000147	Liberty County Drainage District Multi-County Coordination	\$0	\$50,000	\$0	0	0	No	0	No	Yes	Complies with RFPG Goals