

Table 14: Potentially Feasible Flood Management Strategies Identified by RFPG

FMS ID	FMS Name	Description	Associated Goals (ID)	Counties	HUC10s	Watersheds	Strategy Type	Strategy Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Total Strategy Cost (\$)	Potential Funding Sources and Amount	Area in 100yr (1% annual chance) Floodplain
032000148	SE Texas R.A.I.N. Gage Network Improvements	Re-location and installation of rain and stream gages throughout jurisdiction.	03000001, 03000002, 03000005, 03000006	Chambers, Liberty	1203020301, 1203020302, 1203020303, 1204020302	Davis Bayou-Trinity River, Whites Bayou-Turtle Bayou, Old River-Trinity River-Frontal Trinity Bay, Cedar Bayou	Flood Measurement and Warning	478.00	Riverine, Coastal	Chambers County	Chambers County, Liberty County	N	\$0	\$243,000	Local, State	235.31
032000149	Community Rating System	Join the Community Rating System to reduce flood insurance premiums and flood risk for residents.	03000011, 03000012, 03000025, 03000026	Chambers	1203020302, 1203020303, 1204020302	Whites Bayou-Turtle Bayou, Old River-Trinity River-Frontal Trinity Bay, Cedar Bayou	Regulatory and Guidance	141.00	Riverine, Coastal	Chambers County	Chambers County	N	\$0	\$20,000	Local, State	77.99
032000150	Flood Model and Map Management System	Develop and implement a web-based system to manage flood models and mapping and regulate future development.	03000005, 03000006	Chambers	1203020302, 1203020303, 1204020302	Whites Bayou-Turtle Bayou, Old River-Trinity River-Frontal Trinity Bay, Cedar Bayou	Flood Measurement and Warning	141.00	Riverine, Coastal	Chambers County	Chambers County	N	\$0	\$102,000	Local, State	77.99
032000151	Chambers County Property Acquisition Program	Develop a comprehensive loss reduction program to identify and acquire structures within the floodplain where buyouts are the most feasible option to reduce flooding and repetitive damages. Property will be acquired and converted into open space for floodplain preservation purposes.	03000011, 03000012, 03000021, 03000022, 03000025, 03000026	Chambers	1203020302, 1203020303, 1204020302	Whites Bayou-Turtle Bayou, Old River-Trinity River-Frontal Trinity Bay, Cedar Bayou	Property Acquisition and Structural Elevation	141.00	Riverine, Coastal	Chambers County	Chambers County	N	\$0	\$1,024,000	Local, State	77.99

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FMS ID	FMS Name	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Habitable structures removed from 100yr (1% annual chance) Flood risk	Estimated Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)
032000148	SE Texas R.A.I.N. Gage Network Improvements	48.37	5,919	3,672	14,903	12	3	3	124	42,296	N/A	N/A	N/A	N/A	N/A	N/A
032000149	Community Rating System	14.15	1,471	832	4,536	3	0	0	29	5,696	N/A	N/A	N/A	N/A	N/A	N/A
032000150	Flood Model and Map Management System	14.15	1,471	832	4,536	3	0	0	29	5,696	N/A	N/A	N/A	N/A	N/A	N/A
032000151	Chambers County Property Acquisition Program	14.15	1,471	832	4,536	3	0	0	29	5,696	N/A	N/A	N/A	N/A	N/A	N/A

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FMS ID	FMS Name	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Cost/ Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Recommended (Y/N)
032000148	SE Texas R.A.I.N. Gage Network Improvements	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	N	N	Y
032000149	Community Rating System	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	N	N	Y
032000150	Flood Model and Map Management System	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	N	N	Y
032000151	Chambers County Property Acquisition Program	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	N	N	Y

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032000152	Chambers County Drainage Criteria Manual Update	Update Drainage Criteria Manual for the County to minimize and eliminate the possibility of future development adversely impacting downstream communities.	03000009, 03000010	Chambers	1203020302, 1203020303, 1204020302	Whites Bayou-Turtle Bayou, Old River-Trinity River-Frontal Trinity Bay, Cedar Bayou	Regulatory and Guidance	141.00	Riverine, Coastal	Chambers County	Chambers County	N	\$0	\$137,000	Local, State	77.99
032000153	Liberty County WCID #5 Drainage Criteria Manual Update	Update Drainage Criteria Manual for Liberty County WCID #5 to minimize and eliminate the possibility of future development adversely impacting downstream communities.	03000009, 03000010	Liberty	1203020302, 1203020303,	Whites Bayou-Turtle Bayou, Old River-Trinity River-Frontal Trinity Bay	Regulatory and Guidance	47.00	Riverine	Liberty County WCID #5	Liberty County WCID #5, Liberty County	N	\$0	\$91,000	Local, State	17.48

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032000152	Chambers County Drainage Criteria Manual Update	14.15	1,471	832	4,536	3	0	0	29	5,696	N/A	N/A	N/A	N/A	N/A	N/A
032000153	Liberty County WCID #5 Drainage Criteria Manual Update	3.93	1,050	749	3,824	4	2	2	66	1,332	N/A	N/A	N/A	N/A	N/A	N/A

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032000152	Chambers County Drainage Criteria Manual Update	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	N	N	Y
032000153	Liberty County WCID #5 Drainage Criteria Manual Update	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	N	N	Y

