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TO: San Jacinto Regional Flood Planning Group

FROM: Evan Adrian, PE, CFM, ENV SP; Jacob Torres, PhD, PE, CFM, D.WRE (Torres & Associates, LLC)

Cristian Ayala; Inok Jun, PhD, EIT (Torres & Associates, LLC)

Cory Stull, PE, CFM; Brian Edmondson, PE, CFM; Maggie Puckett, PE, CFM (Freese and Nichols, Inc.)

PROJECT NO.: 10-220120-00

PROJECT: TWDB San Jacinto Regional Flood Plan

SUBJECT: Task 12 Prioritization Framework

Executive Summary

Torres & Associates and Freese and Nichols, Inc. have developed preliminary selection criteria and a prioritization framework for assisting the San Jacinto Regional Flood Planning Group (RFPG) with prioritizing the flood management evaluations (FME) for use during Task 12. The objective of Task 12 as described by the Texas Water Development Board (TWDB) is to perform identified FMEs to recommend additional potentially feasible flood mitigation projects (FMP). The goal of the prioritization framework was to develop a transparent framework for ranking the FMEs based on available data developed as part of Task 4A, Task 4B, and Task 5 of the Draft Region Flood Plan project. The prioritization of the FMEs will be used by the Technical Consultant to execute FMEs in order of prioritization until Task 12 funds are exhausted. Execution of a FME is contingent on any comments received to the draft plan and concurrence by the sponsor entity. If a sponsor is unresponsive or does not wish to pursue a particular FME then a reasonable effort can be made to identify another sponsor for the FME. If no other sponsor is found, then next FME in order will be pursued. Based on the analysis described within this memorandum, a draft prioritization framework was developed for the FMEs within the San Jacinto region with criteria based on available data used to develop a score for each FME that is in line with the goals of the San Jacinto RFPG. The prioritization framework is provided in **Appendix 01** with a spatial visual of the prioritized FMEs within the San Jacinto region provided in **Exhibit 01**.

The need for a prioritization framework was determined based on the constraints inherent to Task 12 including budget, schedule, a significant number of recommended FMEs (374 FMEs), and a wide array of sponsors. Based on these constraints, certain FMEs were filtered from the prioritization evaluation including FMEs with a level of effort exceeding \$150,000 to maximize the number of FMEs evaluated, FMEs labeled as “Not Recommended” by the RFPG, FMEs that will not likely produce an FMP, and FMEs identified by public comment as duplicates or ongoing efforts. The filtering process reduced the number of FMEs from 374 to 191 FMEs included in the prioritization effort. [Exhibit 02](#) provides a visual of the FMEs that were excluded from the prioritization analysis.

The prioritization framework is comprised of different criteria based on available data to differentiate the FMEs. Each criterion was chosen as important factors to achieve the RFPGs overall goals for the Task 12 effort. The criteria used include the following: level-of-effort, model/data availability, known flood risk, number of entities benefitted, critical facilities at risk, structures at risk, nature-based solutions, social vulnerability index (SVI), mobility, population at risk, unique sponsor, and sub-watershed priority. For each criteria listed above, different thresholds were used to determine if an FME was a low, medium, or high priority for a certain criterion to differentiate the FMEs and prioritize FMEs with a higher need. A statistical analysis was conducted for several of the criteria to determine effective thresholds to set for low, medium, and high priority. Documentation of the statistical analysis is provided in [Appendix 05](#).

Weights were assigned to each of the criteria based on the ranking of the selection criteria gathered from the survey results of the Technical Committee and RFPG ([Appendix 03 and 04](#)) and further discussion during the October 2022 RFPG meeting. Criteria at the top of the survey results were assigned a weight of 1 while criteria further down on the list have a corresponding weight. These weights were multiplied with the priority ranking of the criteria and factored into the overall prioritization rank. Based on the feedback received from the RFPG during the October RFPG meeting, additional investigation of the results of the prioritized list was warranted to determine if any refinements could be made that would elevate some FMEs from smaller entities and provide a more diverse mix of FMEs higher in the prioritized list. The consultant team reviewed the FME prioritized list and criteria and determined that multiple criteria are similar and each capture different aspects of flood risk which influenced the overall ranking to be primarily reflective of flood risk. Based on this observation, the “Known Flood Risk”, “Critical Facilities at Risk”, “Structures at Risk”, and “Population at Risk” had their respective weighting revised from one (1) to 0.25

to represent an overall category of flood risk. The “Unique Sponsor” and “Subwatershed Priority” criteria were also revised to a value of one (1) to help elevate different sponsors and geographic representation.

The results of the prioritization framework show the higher priority FMEs are mainly located in the middle to lower portion of the San Jacinto Region with a spread between sponsors however, many of the FMEs executed during the Task 12 effort may be for a limited number of sponsors as a function of the number of FMEs certain sponsors have that are only missing a BCA and the likelihood that there may be limited response to proceed with an FME from many sponsors. There are also FMEs included in the prioritized list that may be evaluated by the sponsor themselves. These FMEs are primarily benefit cost analyses (BCA). Based on coordination efforts, the City of Houston and City of Friendswood have indicated a potential for conducting the FMEs internally by the sponsor to elevate the FMEs to FMPs. Coordination is ongoing to ensure that there is no duplicated effort for Task 12. The completed draft prioritization framework is provided in **Appendix 01** with a spatial visual of the prioritized FMEs within the San Jacinto region provided in **Exhibit 01**. **Appendix 06** includes the FME One-Page fact sheets in ranked order for reference and **Appendix 07** includes the ranked FME list in excel form to provide an overall summary of the FMEs with the data used in the analysis and the FMEs removed based on different constraints.

Feedback from RFPG and Technical Committee

A preliminary prioritization framework was presented to the San Jacinto RFPG Technical Committee on September 2nd, 2022, and to the full RFPG on September 8th, 2022, to facilitate discussion and obtain feedback on the initial list. [Appendix 02](#) provides the preliminary prioritization framework presented at the meeting for reference. The preliminary framework has been refined based on the feedback from the RFPG and Technical Committee and is provided in [Appendix 01](#). General feedback from the Technical Committee included the addition of criteria in line with the RFPG's overall goals including a criterion for nature-based solutions, mobility, and spatial prioritization by sub-watershed. A survey was conducted to gather feedback from the Technical Committee ([Appendix 03](#)). The overall desired outcome of Task 12 from the Technical Committee was to maximize the reduction in flood risk and exposure followed by FMP benefit coverage. The importance of the selection criteria to the Technical Committee was in line with the overall goal with criteria focused on reduction in flood risk and exposure being towards the top of the survey list. The Technical Committee also preferred a distribution of FMEs evaluated under Task 12 that were primarily benefit cost analyses with a few moderate effort FMEs.

General feedback gathered from the RFPG during the September 8th meeting added an emphasis on the importance to consider nature-based solutions in the prioritization framework and focus on elevation of as many FMEs to FMPs as possible within the constraints of Task 12. The same survey presented to the Technical Committee was performed to gather feedback from the entire RFPG ([Appendix 04](#)). The overall desired outcome of Task 12 from the RFPG was in line with the Technical Committee with the goal to maximize the reduction in flood risk and exposure followed by Number of FMPs and then FMP benefit coverage. The importance of the selection criteria to the RFPG was in line with the overall goal with criteria focused on reduction in flood risk and exposure being towards the top of the survey list. There were some differences in the overall ranking of importance of the selection criteria between the Technical Committee and the RFPG, however the overall tendencies appear to be similar. The RFPG had a tie in ranking between performing all benefit cost analyses and a distribution of FMEs evaluated under Task 12 that were primarily benefit cost analyses with a few moderate effort FMEs.

A refined framework and weighting were provided to the RFPG for review for the October 13th meeting to discuss any further refinements to the criteria if necessary. Based on the feedback received from the RFPG, additional investigation of the results of the prioritized list was warranted to determine if any

refinements could be made that would elevate some FMEs from smaller entities and provide a more diverse mix of FMEs that may be performed through Task 12. The consultant team reviewed the FME prioritized list and criteria and determined that multiple criteria are similar and each capture different aspects of flood risk which influenced the overall ranking to be primarily reflective of flood risk while discounting the influence of other criteria. Based on this observation, the “Known Flood Risk”, “Critical Facilities at Risk”, “Structures at Risk”, and “Population at Risk” had their respective weighting revised from one (1) to 0.25 to represent an overall category of flood risk. The “Unique Sponsor” and “Subwatershed Priority” criteria were also revised to a value of one (1) to help elevate different sponsors and geographic representation. **Table 1** provides a summary of the previous criteria weights and the revised weights that account for the overemphasis on flood risk and elevation of different sponsors and geographic representation.

Table 1. Summary of Criteria Weights and Revision

Criteria	Weight presented at RFP Meeting (10/13)	Revised Weight
Level of Effort	1.0	1.0
Model/Data Availability	0.7	0.7
Known Flood Risk	1.0	0.25
Number of Entities Benefitted	0.2	0.2
Critical Facilities at Risk	1.0	0.25
Structures at Risk	1.0	0.25
Nature-Based Solutions	0.5	0.5
Social Vulnerability Index (SVI)	0.5	0.5
Mobility	0.3	0.3
Population at Risk	1.0	0.25
Unique Sponsor	0.2	1.0
Subwatershed Priority	0.6	1.0

Prioritization Criteria

The prioritization framework is comprised of different criteria based on available data to differentiate the FMEs. Each criterion was chosen as important factors to achieve the RFPGs overall goals for the Task 12 effort. The criteria used include the following: level-of-effort, model/data availability, known flood risk, number of entities benefitted, critical facilities at risk, structures at risk, nature-based solutions, social vulnerability index (SVI), mobility, population at risk, unique sponsor, and sub-watershed priority. For each criteria listed above, different thresholds were used to determine if an FME was a low, medium, or high priority for a certain criterion to differentiate the FMEs and prioritize FMEs with a higher need. The overall prioritization framework is provided in **Table 1**. A low priority criterion determined for the FME receives a value of 1, medium priority receives a value of 3, and high priority receives a value of 5. The values were chosen to provide variation between low, medium, and high priority. Once the criterion priorities were determined, they were summed together to generate an overall priority score that was used to determine the ranking of the individual FMEs. A statistical analysis was conducted for several of the criteria to determine effective thresholds to set for low, medium, and high priority. Documentation of the statistical analysis is provided in **Appendix 05**.

Table 2. Summary of DRAFT Prioritization Framework (Appendix 01)

Recommended Criteria	Priority Ranking		
	Low Priority (1)	Medium Priority (3)	High Priority (5)
Level of Effort	Effort may be outside of budget constraints (\$150k to > \$100k)	Reasonable Effort based on budget/schedule (\$100k to > \$30k)	Low Effort and can likely be completed quickly and efficiently (≤ \$30k)
Model/Data Availability	No model/project data available	Some project data readily available	Necessary models and project data readily available
Known Flood Risk	Low Known Flood Risk	Medium Known Flood Risk	High Known Flood Risk
Number of Entities Benefitted	1-2	3	Greater than 3
Critical Facilities at risk	Less than Median	Above Median	Above Average
Structures at risk	Less than Median	Above Median	Above Average
Population at risk	Less than Median	Above Median	Above Average
Unique Sponsor	Another FME has higher priority for Sponsor	NA	Highest priority FME of Unique Sponsor
Nature Based Solutions	No Nature Based Solution considered in the evaluation	NA	Nature Based Solution(s) considered in the evaluation
Priority within Subwatershed (HUC10)	Another FME has higher priority for Subwatershed based on other criteria	NA	Highest priority FME of Subwatershed based on other criteria
Social Vulnerability Index (SVI)	Low (Less than 0.33)	Medium (0.33-0.66)	High (Greater than 0.66)
Mobility/Length of Inundated Roadway	Less than Median	Above Median	Above Average

Level-of-Effort

Level-of-Effort refers to the amount of effort based on an estimated cost needed to complete the evaluation and turn the FME into an FMP. This is an important factor due to a limited budget and schedule for Task 12 to promote an FME to an FMP. Based on feedback from the RFPG, maximizing the number of FMEs that are evaluated in the Task 12 effort is one of their priorities and is captured by this criterion. **Exhibits 3-5** provide visualization of three different level-of-effort scenarios with different threshold values. **Table 2** provides the different thresholds shown in **Exhibits 3-5**. After reviewing the data and distribution for this field, it was determined that the high priority FMEs are based on those that can be completed quickly and efficiently including FMEs with an estimated level-of-effort less than or equal to \$30,000. The medium priority FMEs are those that are believed to have a reasonable level-of-effort greater than \$30,000 to \$100,000. The low priority FMEs are those that may be significant in effort compared to the budget and schedule greater than \$100,000 to \$150,000. The low priority was determined based on the logic that if one of those FMEs were selected for evaluation, the level-of-effort captures around one-third of the total effort allocated for Task 12 and would limit the number of FMEs that would be evaluated.

Table 3. Summary of Threshold Alternatives for Level of Effort

Criteria Alternative	Low Priority	Medium Priority	High Priority
Level of Effort Alternative 1	\$150,000 to greater than \$100,000	\$100,000 to greater than \$30,000	Less than or equal to \$30,000
Level of Effort Alternative 2	\$150,000 to greater than \$80,000	\$80,000 to greater than \$30,000	Less than or equal to \$30,000
Level of Effort Alternative 3	\$150,000 to greater than \$100,000	\$100,000 to greater than \$20,000	Less than or equal to \$20,000

Model/Data Availability

Model and data availability is a factor in determining an FMEs priority. If a project does not have any data available, then the FME would be ranked as a low priority as it might suggest that the FME would need more effort to complete and thus also raise the cost to elevate the FME to an FMP. For those FMEs that have data readily available would be considered high priority as it will indicate that the evaluation will not require any significant additional effort. Lastly, in small cases an FME can have some project data available and may take a little effort to collect the remaining information needed. These FMEs are labeled as

medium priority. **Exhibit 6** provides visualization of the spatial distribution of low, medium, and high priority for model and data availability.

Known Flood Risk

An FME that is within an area of known flood risk is an important factor aligning with the San Jacinto RFPG's desired outcome for Task 12. A spatial join between the FMEs and the flood risk map developed for Task 4A was conducted in GIS to determine the known flood risk. From the spatial analysis, the FMEs were labeled as high, medium, or low depending on the flood risk associated. The flood risk map is provided in **Figure 1. Exhibit 7** provides visualization of the spatial distribution of low, medium, and high priority for known flood risk.

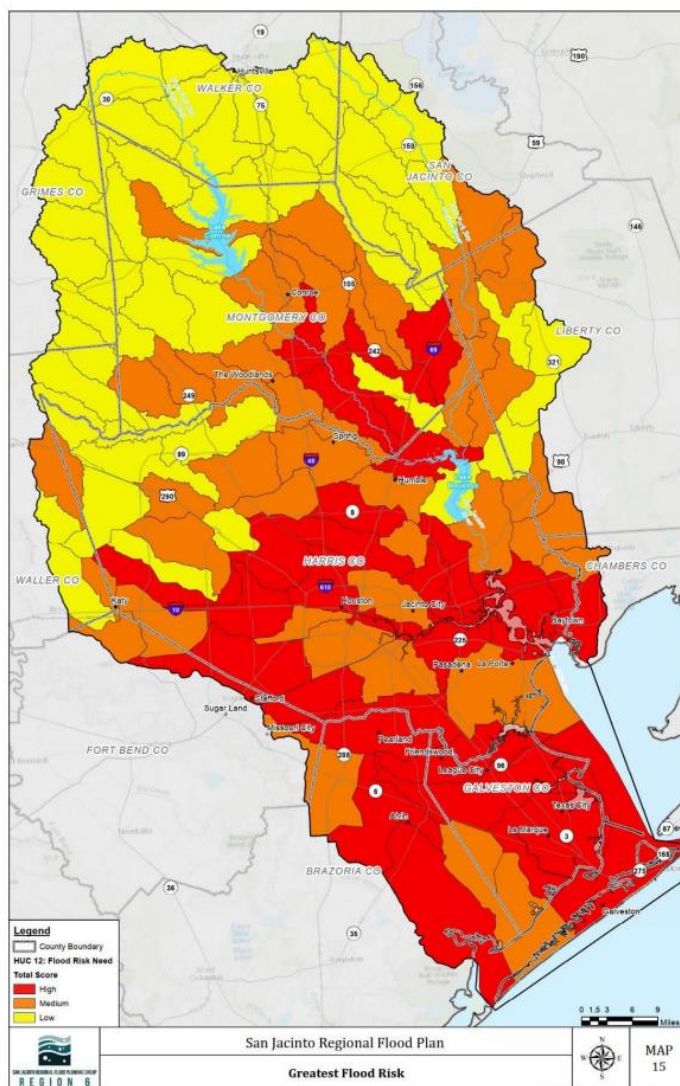


Figure 1. San Jacinto Region Greatest Flood Risk Map

Number of Entities Benefitted

Entities are classified as political subdivisions with flood-related authority within the San Jacinto region. An entity can be a city, county, river authority, soil and water conservation district, water control and improvement districts, etc. This criterion is based on the number of entities that may see direct benefit from an FME and gives high priority to FMEs that benefit multiple entities. **Exhibits 8-10** provide visualization of three different number of entities benefitted scenarios with different threshold values. **Table 3** provides the different thresholds shown in **Exhibits 8-10**. Based on the analysis, an FME considered as a high priority benefit more than 3 entities as it will scale and help more communities than an FME that only benefits one entity. An FME that benefits 3 entities are labeled as a medium priority and anything below that threshold is considered low priority. These thresholds were chosen based on the available data from all FMEs and distributing the data in a way to emphasize the difference in benefits between FMEs.

Table 4. Summary of Threshold Alternatives for Number of Entities Benefitted

Criteria Alternative	Low Priority	Medium Priority	High Priority
Number of Entities Alternative 1	1-2	3	Greater than 3
Number of Entities Alternative 2	1-2	3-4	Greater than 4
Number of Entities Alternative 3	1	2-3	Greater than 3

Critical Facilities at Risk

The critical facilities at risk represents the number of facilities within the 1% AEP floodplain within an FME area that provide services and functions essential to a community, especially during and after a disaster. Typical critical facilities include hospitals, fire stations, police stations, storage of critical records, utilities, and similar facilities. Larger number of critical facilities at risk within an FME area should have a higher priority. A statistical review was conducted for this criterion to determine the thresholds of low, medium, and high priority. This data has a right-skewed distribution (or positively skewed distribution) in which most values are clustered around a smaller number of critical facilities at risk while the larger values vary significantly. In addition, the standard deviation of the distribution is high, even when removing outliers. Different threshold values were looked at to determine the best distribution of priority of FMEs for this criterion. Many different scenarios were analyzed in this effort and visualization of three different threshold groups are provided in **Exhibits 11-13**. **Table 4** provides the different thresholds shown in **Exhibits 11-13**. Based on the statistical analysis, the average and median values appear to be

representative threshold values for this dataset meaning that if the number of critical facilities at risk is greater than the average value, then the FME would be ranked as a high priority or if the number is less than the median value, then the FME would be as a low priority for this criterion.

Table 5. Summary of Threshold Alternatives for Critical Facilities at Risk

Criteria Alternative	Low Priority	Medium Priority	High Priority
Critical Facilities Alternative 1	Less than Median	Greater than Median	Greater than Average
Critical Facilities Alternative 2	Less than Average	Greater than Average	Greater than Average + 1 Standard Deviation
Critical Facilities Alternative 3	Less than Median	Greater than Median	Greater than Median + 1 Standard Deviation

Structures at Risk

The structures at risk represents the number of structures within the 1% AEP floodplain within an FME area. Larger number of structures at risk within an FME area should have a higher priority. A statistical review was conducted for this criterion to determine the thresholds of low, medium, and high priority. This data has a right-skewed distribution (or positively skewed distribution) in which most values are clustered around a smaller number of structures at risk while the larger values vary significantly. In addition, the standard deviation of the distribution is high, even when removing outliers. Different threshold values were looked at to determine the best distribution of priority of FMEs for this criterion. Many different scenarios were analyzed in this effort and visualization of three different threshold groups are provided in [Exhibits 14-16](#). [Table 5](#) provides the different thresholds shown in [Exhibits 14-16](#). Based on the statistical analysis, the average and median values appear to be representative threshold values for this dataset meaning that if the number of structures at risk is greater than the average value, then the FME would be ranked as a high priority or if the number is less than the median value, then the FME would be as a low priority for this criterion.

Table 6. Summary of Threshold Alternatives for Structures at Risk

Criteria Alternative	Low Priority	Medium Priority	High Priority
Structures at Risk Alternative 1	Less than Median	Greater than Median	Greater than Average
Structures at Risk Alternative 2	Less than Average	Greater than Average	Greater than Average + 1 Standard Deviation
Structures at Risk Alternative 3	Less than Median	Greater than Median	Greater than Median + 1 Standard Deviation

Nature-Based Solutions

A nature-based solution is a sustainable planning, design, and engineering practice that utilizes the natural features of the environment to build more resilient communities. It is important to attempt to incorporate a green infrastructure to minimize the damage to the natural environment. Those FMEs that include considerations for nature-based solutions are given a high priority for this criterion while all others are labeled as low priority since there is no middle priority identifier. [Exhibit 17](#) provides visualization of the spatial distribution of low and high priority for nature-based solutions. Limited information on the FMEs and nature-based solutions led to a limited number of FMEs that have a high priority for this criterion.

Social Vulnerability Index (SVI)

The SVI is ranking of recorded data from the U.S. census, analyzed at a census tract level based, “on 15 social factors, including poverty, lack of vehicle access, and crowded housing, and groups them into four related themes.” A dataset from the Texas Water Development Board (TWDB) was used to conduct a spatial analysis to determine the average SVI for an FME area from 0 to 1. Many different scenarios of threshold values were analyzed in this effort and visualization of three different threshold groups are provided in [Exhibits 18-20](#). [Table 6](#) provides the different thresholds shown in [Exhibits 18-20](#). Based on the analysis, FMEs with a ranking above 0.66 was given a high priority, rankings between 0.33 and 0.66 are medium priorities, and anything less than a 0.33 was a low priority. These thresholds were based on the sensitivity analysis to differentiate the FMEs and their SVI priority ranking.

Table 7. Summary of Threshold Alternatives for SVI

Criteria Alternative	Low Priority	Medium Priority	High Priority
SVI Alternative 1	Less than 0.33	0.33 – 0.66	Greater than 0.66
SVI Alternative 2	Less than 0.3	0.3 – 0.7	Greater than 0.7
SVI Alternative 3	Less than 0.4	0.4 – 0.6	Greater than 0.6

Mobility

Mobility refers to the length of inundated roadway during a 1% AEP storm event within an FME area. This criteria factors in public safety and the ability to reach critical facilities or escape areas of flooding without being impeded by flood waters overtopping roadways. Many different scenarios of threshold values were analyzed in this effort and visualization of three different threshold groups are provided in **Exhibits 21-23**. **Table 7** provides the different thresholds shown in **Exhibits 21-23**. Based on the statistical data for the miles of inundated road, the FMEs that have a value less than the median would be noted as a low priority. Medium priority applies to FMEs that have a value that is above the median but below the average. The high priority rating is reserved for those FMEs that are above the average.

Table 8. Summary of Threshold Alternatives for Mobility

Criteria Alternative	Low Priority	Medium Priority	High Priority
Mobility Alternative 1	Less than Median	Greater than Median	Greater than Average
Mobility Alternative 2	Less than Average	Greater than Average	Greater than Average + 1 Standard Deviation
Mobility Alternative 3	Less than Median	Greater than Median	Greater than Median + 1 Standard Deviation

Population at Risk

Population at risk refers to the population within the 1% AEP existing floodplain within an FME area. The statistical data was collected from the FMEs and ranked accordingly. Many different scenarios of threshold values were analyzed in this effort and visualization of three different threshold groups are provided in **Exhibits 24-26**. **Table 8** provides the different thresholds shown in **Exhibits 24-26**. The population at risk for an FME below the median is ranked as a low priority and those above the median and below the

average are labeled as medium priority. The high priority rating is reserved for those FMEs that are above the average.

Table 9. Summary of Threshold Alternatives for Population at Risk

Criteria Alternative	Low Priority	Medium Priority	High Priority
Population at Risk Alternative 1	Less than Median	Greater than Median	Greater than Average
Population at Risk Alternative 2	Less than Average	Greater than Average	Greater than Average + 1 Standard Deviation
Population at Risk Alternative 3	Less than Median	Greater than Median	Greater than Median + 1 Standard Deviation

Unique Sponsor

The Unique Sponsor criteria refers to the priority that the Sponsor would like to advocate for a promotion to FMP. If the sponsor does not indicate a priority FME within the list, then it is assumed that the project with the highest ranking based on the other criteria will be given the high priority. In the case that multiple FMEs for a sponsor have an equal prioritization score, the FME that has the highest population at risk will be considered the highest priority FME for the sponsor. The other projects that the sponsor has will be labeled as low priority. In addition, those sponsors that only have one project will be given a high priority ranking to possibly introduce equal opportunity for sponsors to elevate their FMEs to FMPs.

Sub-Watershed Priority

The sub watershed priority is a criterion that was introduced to aid the spatial variability of priority FMEs throughout the San Jacinto region. A spatial join was conducted with the HUC10 watersheds and the FME list. From this list, the FMEs that have the same HUC10 ID were compared to each other. The highest priority FMEs based on the preliminary ranking was determined to be that HUC10's highest priority FME. All other FMEs were labeled as low priorities. This process is repeated across all HUC10s located within the San Jacinto region.

Criteria Weighting

A sensitivity analysis was conducted to determine the criteria driving the prioritization of the FMEs. The analysis was conducted by changing assigned weights to criteria between 0 and 1 to determine the influence each criterion has on the overall result of the prioritization. A weight of zero would remove the criteria from consideration in the ranking score and a weight of 1 includes the full value of the criteria in the ranking score. **Table 9** provides a summary of the weighting sensitivity analysis. For the analysis, all other criteria are set at a value of 1 to isolate the influence each criterion has on the overall ranking. From the sensitivity analysis, it was noted that many of the higher ranking FMEs tend to stay within the higher ranks and are not dependent on the weighting. The weighting of the criteria appears to primarily influence the rank of the middle to lower ranking FMEs.

Table 10. Summary of Criteria Weight Sensitivity Analysis

Criteria	0.5 Weight Observation	0.0 Weight Observation
Level of Effort	Many FMEs have an altered ranking outside of the top 20 FMEs	Many FMEs have an altered ranking outside of the top 20 FMEs
Model/Data Availability	Many FMEs have an altered ranking outside of the top 20 FMEs	Many FMEs have an altered ranking outside of the top 12 FMEs
Known Flood Risk	Many of the lower ranked items have an altered ranking	Many FMEs have an altered ranking outside of the top 35 FMEs
Number of Entities Benefitted	Many results have an altered ranking, including higher ranked FMEs	Many of the lower ranked FMEs have an altered ranking
Critical Facilities at Risk	Many FMEs have an altered ranking outside of the top 20 FMEs	Many FMEs have an altered ranking outside of the top 18 FMEs
Structures at Risk	Many FMEs have an altered ranking outside of the top 20 FMEs	Many FMEs have an altered ranking outside of the top 19 FMEs
Nature-Based Solutions	Many of the rankings remain the same outside of the first 14 FME which have an altered ranking	Many of the rankings remain the same outside of the first 18 FME which have an altered ranking
Social Vulnerability Index (SVI)	Many FMEs have an altered ranking outside of the top 20 FMEs	Most FMEs have an altered ranking
Mobility	Many FMEs have an altered ranking outside of the top 20 FMEs	Many FMEs have an altered ranking outside of the top 20 FMEs
Population at Risk	Many FMEs have an altered ranking outside of the top 20 FME	Many FMEs have an altered ranking outside of the top 20 FMEs

Weights were assigned to each of the criteria based on the ranking of the selection criteria gathered from the survey results of the Technical Committee and RFPG ([Appendix 03 and 04](#)) as well as feedback from the RFPG during the October RFPG meeting. Criteria at the top of the survey results were assigned a weight of 1 while criteria further down on the list have a corresponding weight. These weights were multiplied with the priority ranking of the criteria and factored into the overall prioritization rank meaning that a criterion with a weight of 1 get the entirety of points determined by the criteria while a criterion with a weight of 0.5 gets half of the points determined by the criteria. Based on the feedback received from the RFPG during the October RFPG meeting, additional investigation of the results of the prioritized list was warranted to determine if any refinements could be made that would elevate some FMEs from smaller entities and provide a more diverse mix of FMEs higher in the prioritized list. The consultant team reviewed the FME prioritized list and criteria and determined that multiple criteria are similar and each capture different aspects of flood risk which influenced the overall ranking to be primarily reflective of flood risk. Based on this observation, the “Known Flood Risk”, “Critical Facilities at Risk”, “Structures at Risk”, and “Population at Risk” had their respective weighting revised from one (1) to 0.25 to represent an overall category of flood risk. The “Unique Sponsor” and “Subwatershed Priority” criteria were also revised to a value of one (1) to help elevate different sponsors and geographic representation. [Table 10](#) provides a summary of the weights assigned to each of the criteria. The total weights sum up to just above six (6.2) giving a maximum FME prioritization score of thirty-one (31) if it receives the maximum score for each individual criteria and a minimum score of just above six (6.2).

Table 11. Summary of Criteria Weights

Criteria	Weight
Level of Effort	1.0
Model/Data Availability	0.7
Known Flood Risk	0.25
Number of Entities Benefitted	0.2
Critical Facilities at Risk	0.25
Structures at Risk	0.25
Nature-Based Solutions	0.5
Social Vulnerability Index (SVI)	0.5
Mobility	0.3
Population at Risk	0.25
Unique Sponsor	1.0
Subwatershed Priority	1.0

Conclusion

Torres & Associates and Freese and Nichols, Inc. have developed preliminary selection criteria and a prioritization framework for assisting the San Jacinto Regional Flood Planning Group (RFPG) with prioritizing the flood management evaluations (FME) for use during Task 12. The objective of Task 12 as described by the Texas Water Development Board (TWDB) is to perform identified FMEs to recommend additional potentially feasible flood mitigation projects (FMP). The prioritization of the FMEs will be used by the Technical Consultant to execute FMEs in order of prioritization until Task 12 funds are exhausted. Execution of a FME is contingent on any comments received to the draft plan and concurrence by the sponsor entity. If a sponsor is unresponsive or does not wish to pursue a particular FME then a reasonable effort can be made to identify another sponsor for the FME. If no other sponsor is found, then next FME in order will be pursued. Based on the analysis described within this memorandum, a draft prioritization framework was developed for the FMEs within the San Jacinto region with criteria based on available data used to develop a score for each FME that is in line with the goals of the San Jacinto RFPG.

The need for a prioritization framework was determined based on the constraints inherent to Task 12 including budget, schedule, a significant number of recommended FMEs (374 FMEs), and a wide array of sponsors. Based on these constraints, certain FMEs were filtered from the prioritization evaluation including FMEs with a level of effort exceeding \$150,000 to maximize the number of FMEs evaluated, FMEs labeled as “Not Recommended” by the RFPG, FMEs that will not likely produce an FMP, and FMEs identified by public comment as duplicates or ongoing efforts. The filtering process reduced the number of FMEs from 374 to 191 FMEs included in the prioritization effort. **Exhibit 02** provides a visual of the FMEs that were excluded from the prioritization analysis.

The prioritization framework is comprised of different criteria based on available data to differentiate the FMEs. Each criterion was chosen as important factors to achieve the RFPGs overall goals for the Task 12 effort. The criteria used include the following: level-of-effort, model/data availability, known flood risk, number of entities benefitted, critical facilities at risk, structures at risk, nature-based solutions, social vulnerability index (SVI), mobility, population at risk, unique sponsor, and sub-watershed priority. For each criteria listed above, different thresholds were used to determine if an FME was a low, medium, or high priority for a certain criterion to differentiate the FMEs and prioritize FMEs with a higher need. A statistical

analysis was conducted for several of the criteria to determine effective thresholds to set for low, medium, and high priority. Documentation of the statistical analysis is provided in [Appendix 05](#).

Weights were assigned to each of the criteria based on the ranking of the selection criteria gathered from the survey results of the Technical Committee and RFPG ([Appendix 03 and 04](#)). Criteria at the top of the survey results were assigned a weight of 1 while criteria further down on the list have a corresponding weight. These weights were multiplied with the priority ranking of the criteria and factored into the overall prioritization rank. Based on the feedback received from the RFPG during the October RFPG meeting, additional investigation of the results of the prioritized list was warranted to determine if any refinements could be made that would elevate some FMEs from smaller entities and provide a more diverse mix of FMEs higher in the prioritized list. The consultant team reviewed the FME prioritized list and criteria and determined that multiple criteria are similar and each capture different aspects of flood risk which influenced the overall ranking to be primarily reflective of flood risk. Based on this observation, the “Known Flood Risk”, “Critical Facilities at Risk”, “Structures at Risk”, and “Population at Risk” had their respective weighting revised from one (1) to 0.25 to represent an overall category of flood risk. The “Unique Sponsor” and “Subwatershed Priority” criteria were also revised to a value of one (1) to help elevate different sponsors and geographic representation.

The results of the prioritization framework show the higher priority FMEs are mainly located in the middle to lower portion of the San Jacinto Region with a decent spread between sponsors however, many of the FMEs executed during the Task 12 effort may be for a limited number of sponsors as a function of the number of FMEs certain sponsors have that are only missing a BCA and the likelihood that there may be limited response to proceed with an FME from many sponsors. There are also FMEs included in the prioritized list that may be evaluated by the sponsor themselves. These FMEs are primarily benefit cost analyses (BCA). Based on coordination efforts, the City of Houston and City of Friendswood have indicated a potential for conducting the FMEs internally by the sponsor to elevate the FMEs to FMPs. Coordination is ongoing to ensure that there is no duplicated effort for Task 12. The completed draft prioritization framework is provided in [Appendix 01](#) with a spatial visual of the prioritized FMEs within the San Jacinto region provided in [Exhibit 01](#). [Appendix 06](#) includes the FME One-Page fact sheets in ranked order for reference and [Appendix 07](#) includes the ranked FME list in excel form to provide an overall summary of the FMEs with the data used in the analysis and the FMEs removed based on different constraints.

List of Exhibits

Exhibit 01 – FME Prioritization

Exhibit 02 – FMEs Removed from Prioritization Framework

Exhibit 03 – Level of Effort Prioritization Threshold Alternative 1

Exhibit 04 – Level of Effort Prioritization Threshold Alternative 2

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Exhibit 06 – Model/Data Availability Prioritization

Exhibit 07 – Known Flood Risk Prioritization

Exhibit 08 – Number of Entities Benefitted Prioritization Threshold Alternative 1

Exhibit 09 – Number of Entities Benefitted Prioritization Threshold Alternative 2

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Exhibit 11 – Critical Facilities at Risk Prioritization Threshold Alternative 1

Exhibit 12 – Critical Facilities at Risk Prioritization Threshold Alternative 2

Exhibit 13 – Critical Facilities at Risk Prioritization Threshold Alternative 3

Exhibit 14 – Structures at Risk Prioritization Threshold Alternative 1

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List of Appendices

Appendix 01 – Revised DRAFT Prioritization Framework

Appendix 02 – Preliminary DRAFT Prioritization Framework (For Reference Only)

Appendix 03 – San Jacinto RFPG Technical Committee Task 12 Survey Results (9/2/2022)

Appendix 04 – San Jacinto RFPG Task 12 Survey Results (9/8/2022)

Appendix 05 – Results of Statistics for Prioritization Criteria

Appendix 06 – FME One-Page Fact Sheets in order of Revised DRAFT Prioritization List

Appendix 07 – Revised DRAFT Prioritization List of FMEs

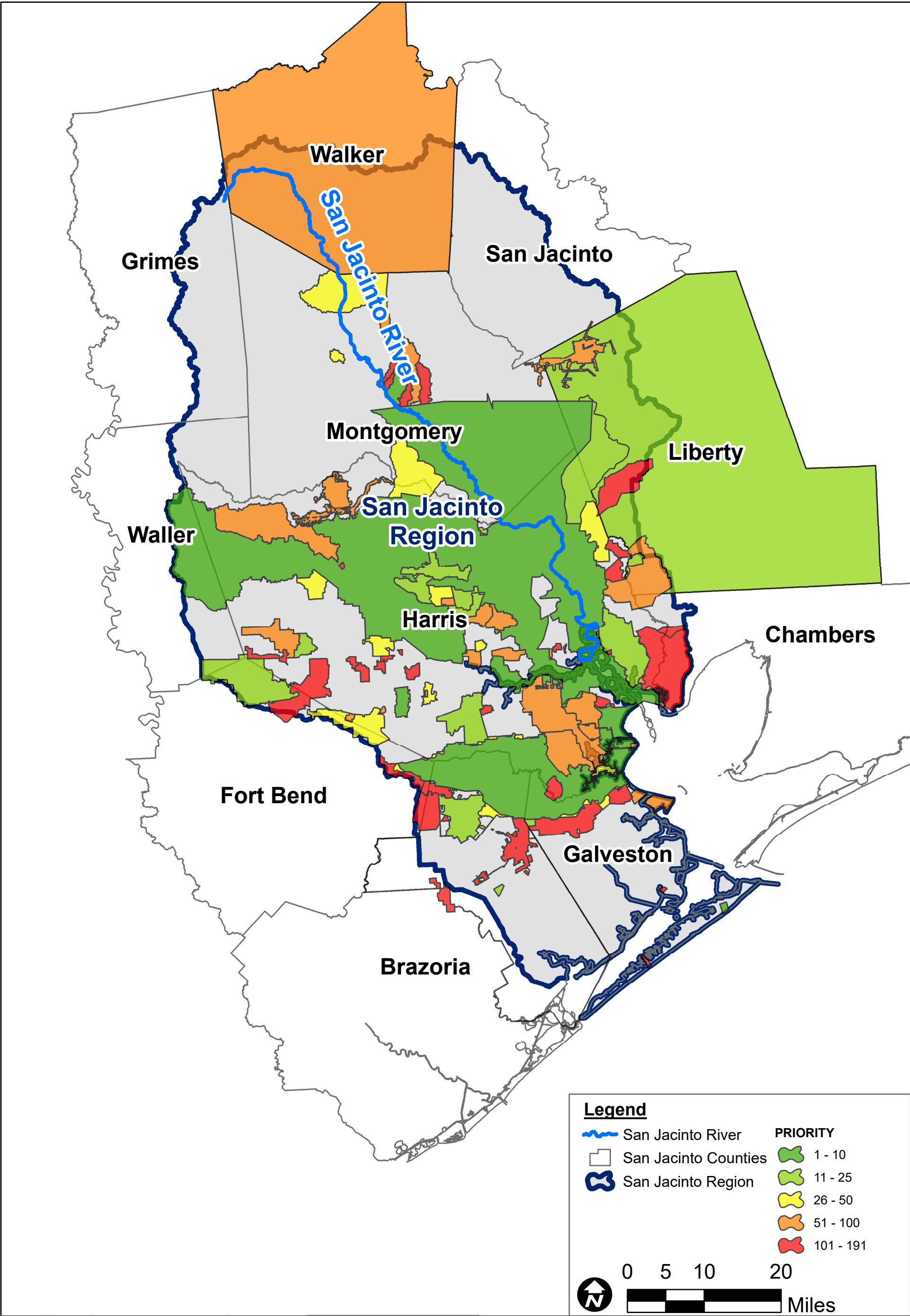


Exhibit 1	Date: Oct 2022 Scale: As Noted	 10497 TOWN AND COUNTRY WAY, SUITE 500 HOUSTON, TEXAS 77024	Prepared: ESA	Checked: JMT	Approved: JMT	SAN JACINTO REGIONAL FLOOD PLAN
			 TORRES & ASSOCIATES, LLC ENGINEERS SCIENTISTS PROFESSIONALS			FME PRIORITIZATION

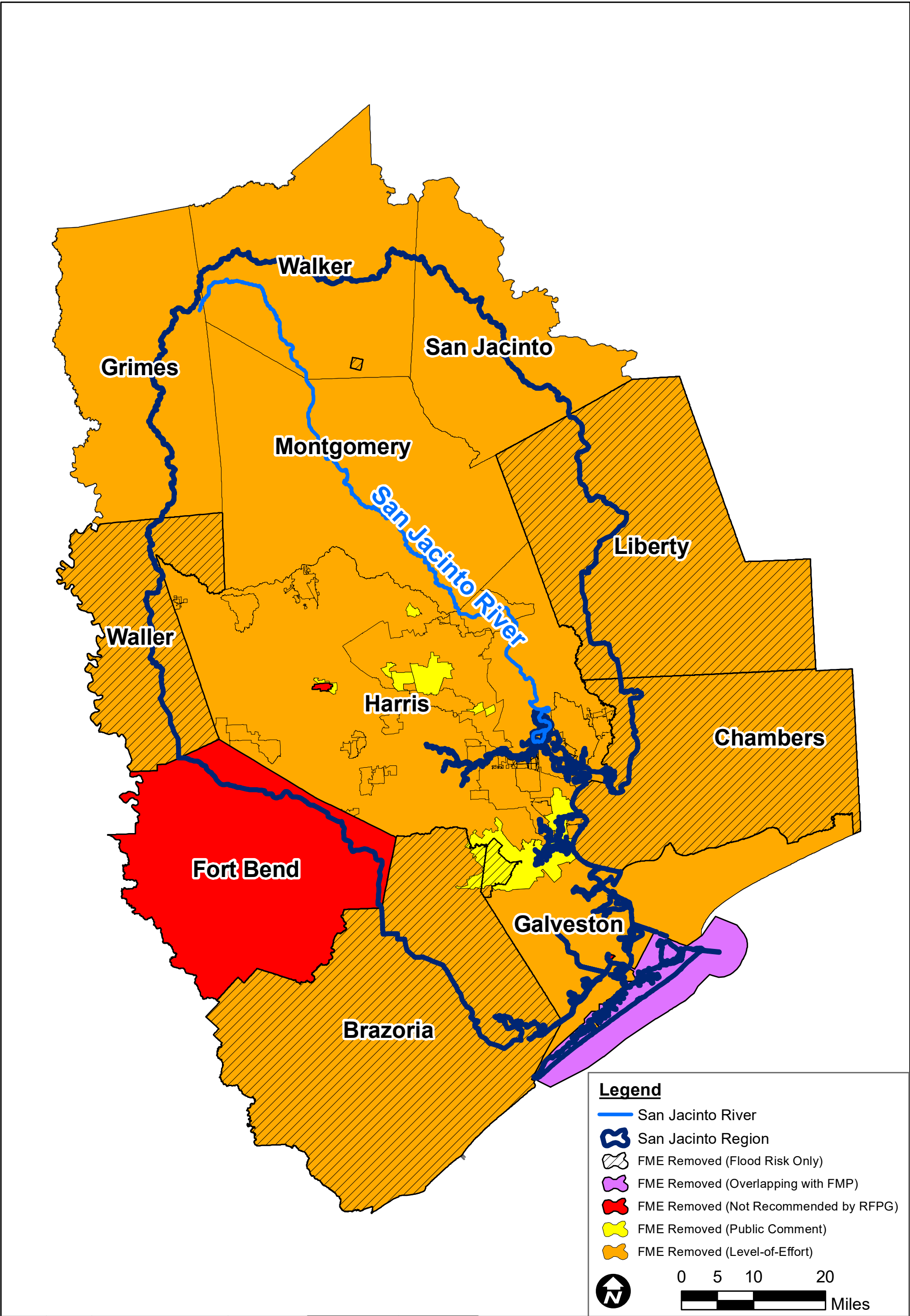


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			 TORRES & ASSOCIATES, LLC ENGINEERS SCIENTISTS PROFESSIONALS			FLOOD MANAGEMENT EVALUATIONS (FME) REMOVED FROM PRIORITIZATION

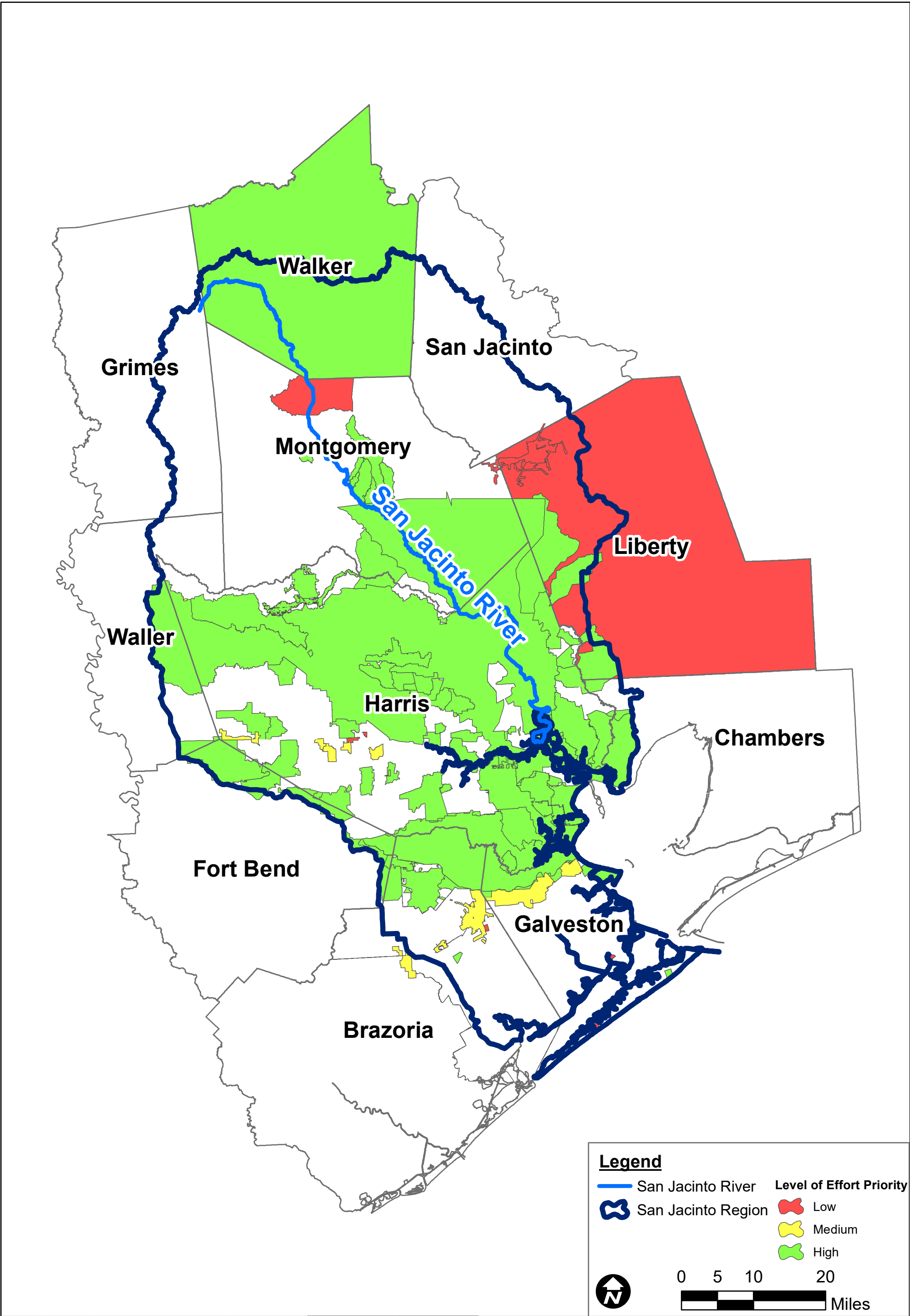


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			<div> ENGINEERS SCIENTISTS PROFESSIONALS</div>			FLOOD MANAGEMENT EVALUATIONS (FME) LEVEL OF EFFORT PRIORITY ALTERNATIVE 1

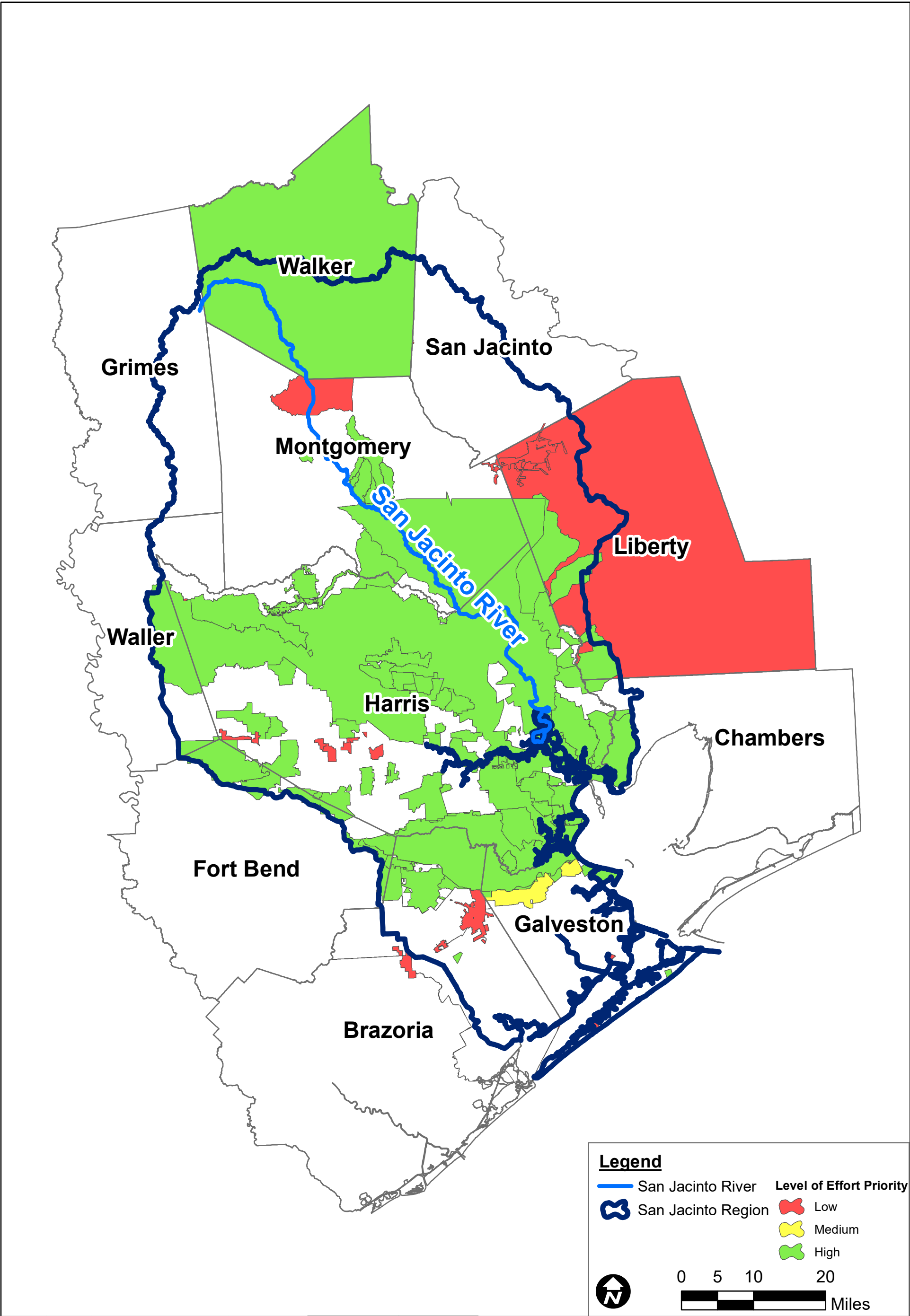


Exhibit 4	Date: Oct 2022 Scale: As Noted	 10497 TOWN AND COUNTRY WAY, SUITE 500 HOUSTON, TEXAS 77024	Prepared: CAA	Checked: ESA	Approved: JMT	SAN JACINTO REGIONAL FLOOD PLAN
			 TORRES & ASSOCIATES, LLC ENGINEERS SCIENTISTS PROFESSIONALS			FLOOD MANAGEMENT EVALUATIONS (FME) LEVEL OF EFFORT PRIORITY ALTERNATIVE 2

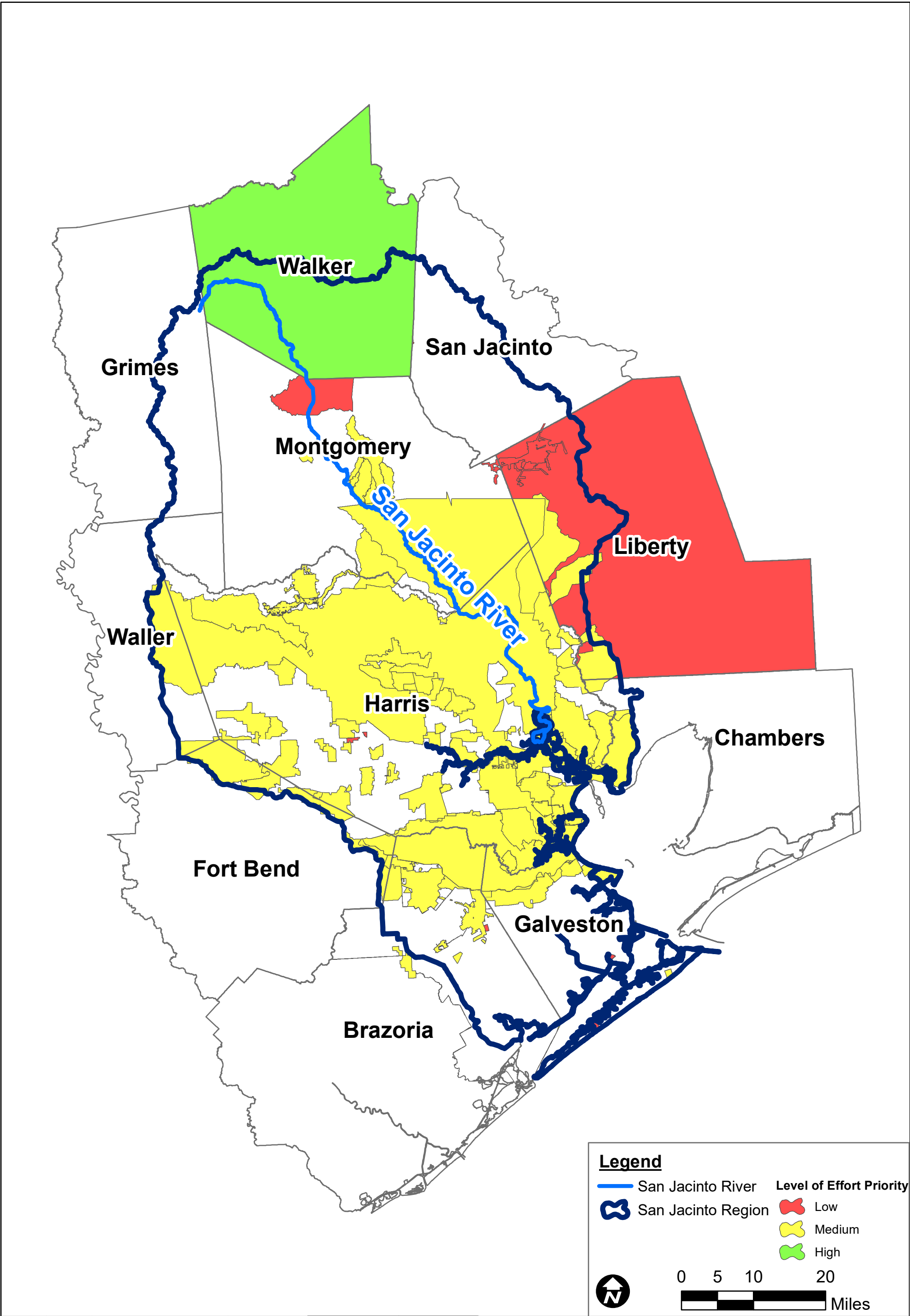


Exhibit 5	Date: Oct 2022 Scale: As Noted	 10497 TOWN AND COUNTRY WAY, SUITE 500 HOUSTON, TEXAS 77024	Prepared: CAA	Checked: ESA	Approved: JMT	SAN JACINTO REGIONAL FLOOD PLAN
			 TORRES & ASSOCIATES, LLC ENGINEERS SCIENTISTS PROFESSIONALS			FLOOD MANAGEMENT EVALUATIONS (FME) LEVEL OF EFFORT PRIORITY ALTERNATIVE 3

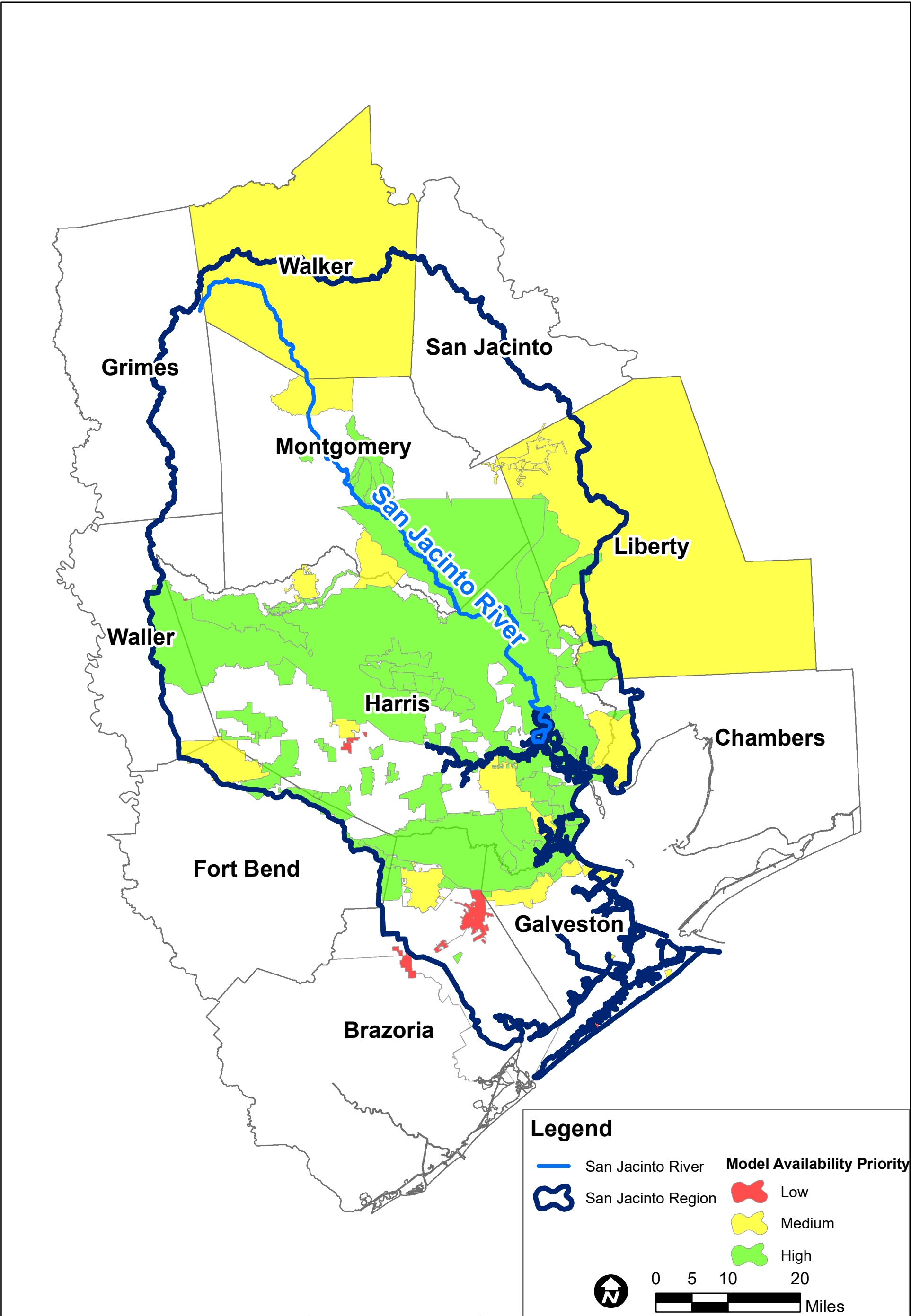
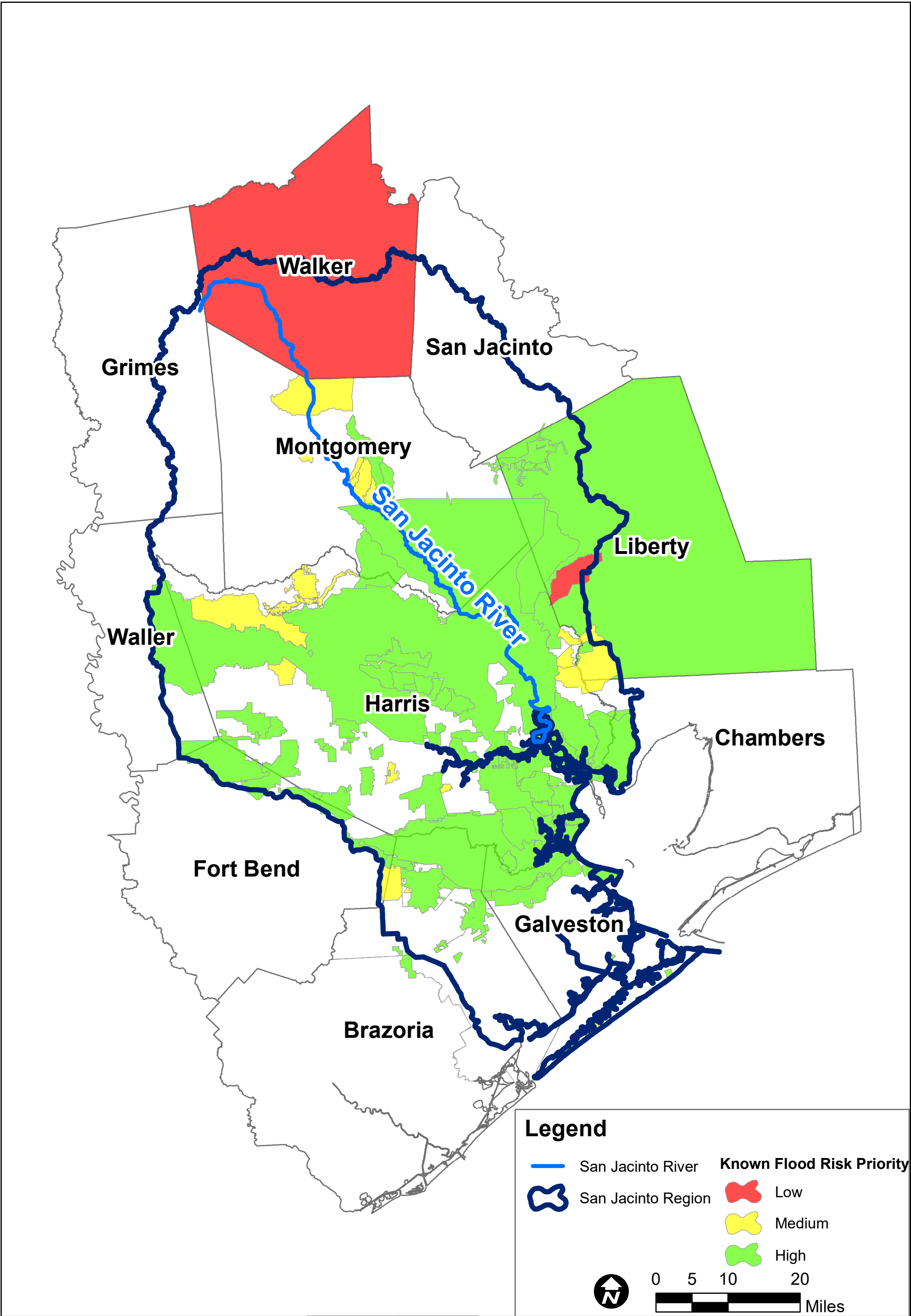
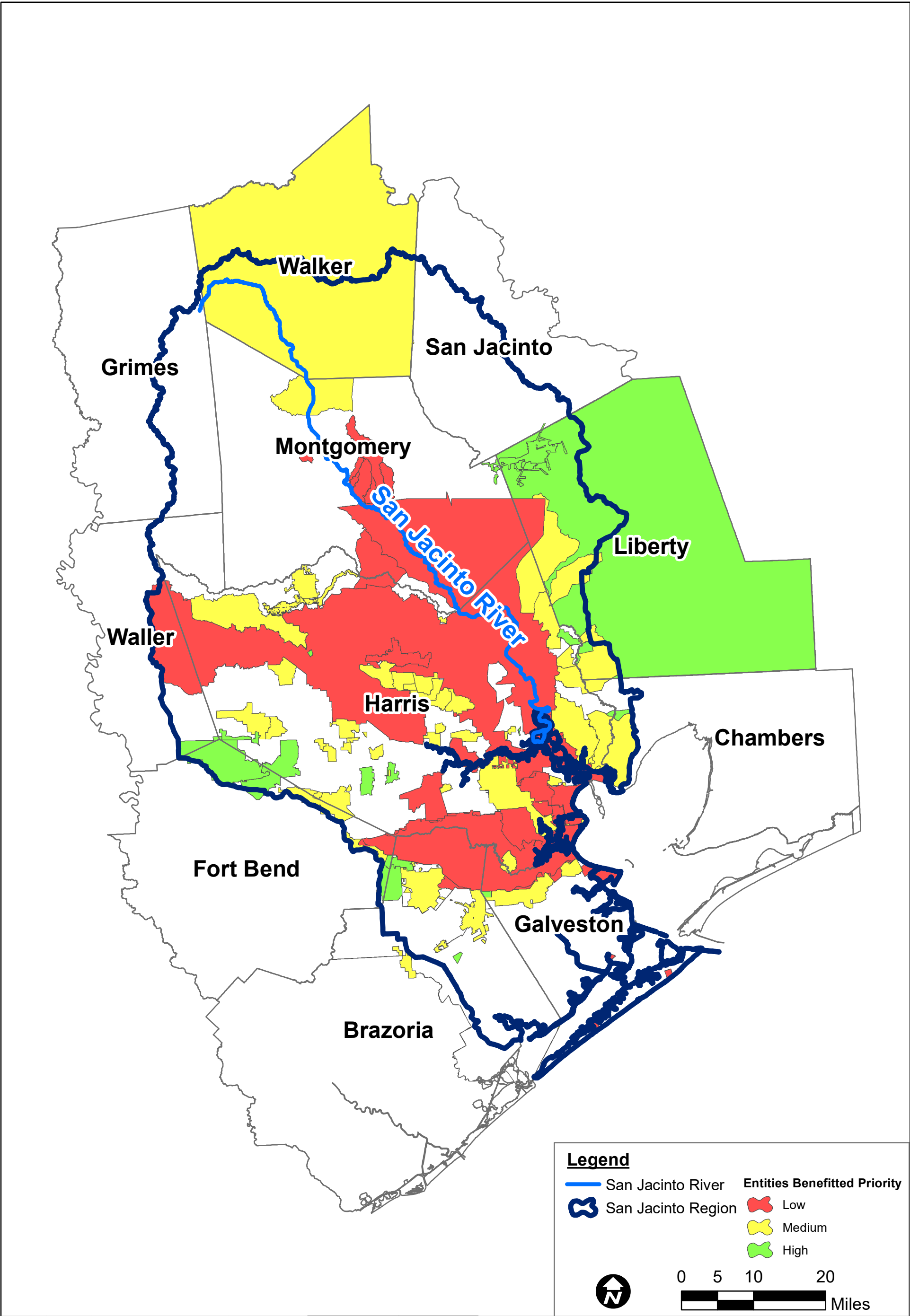
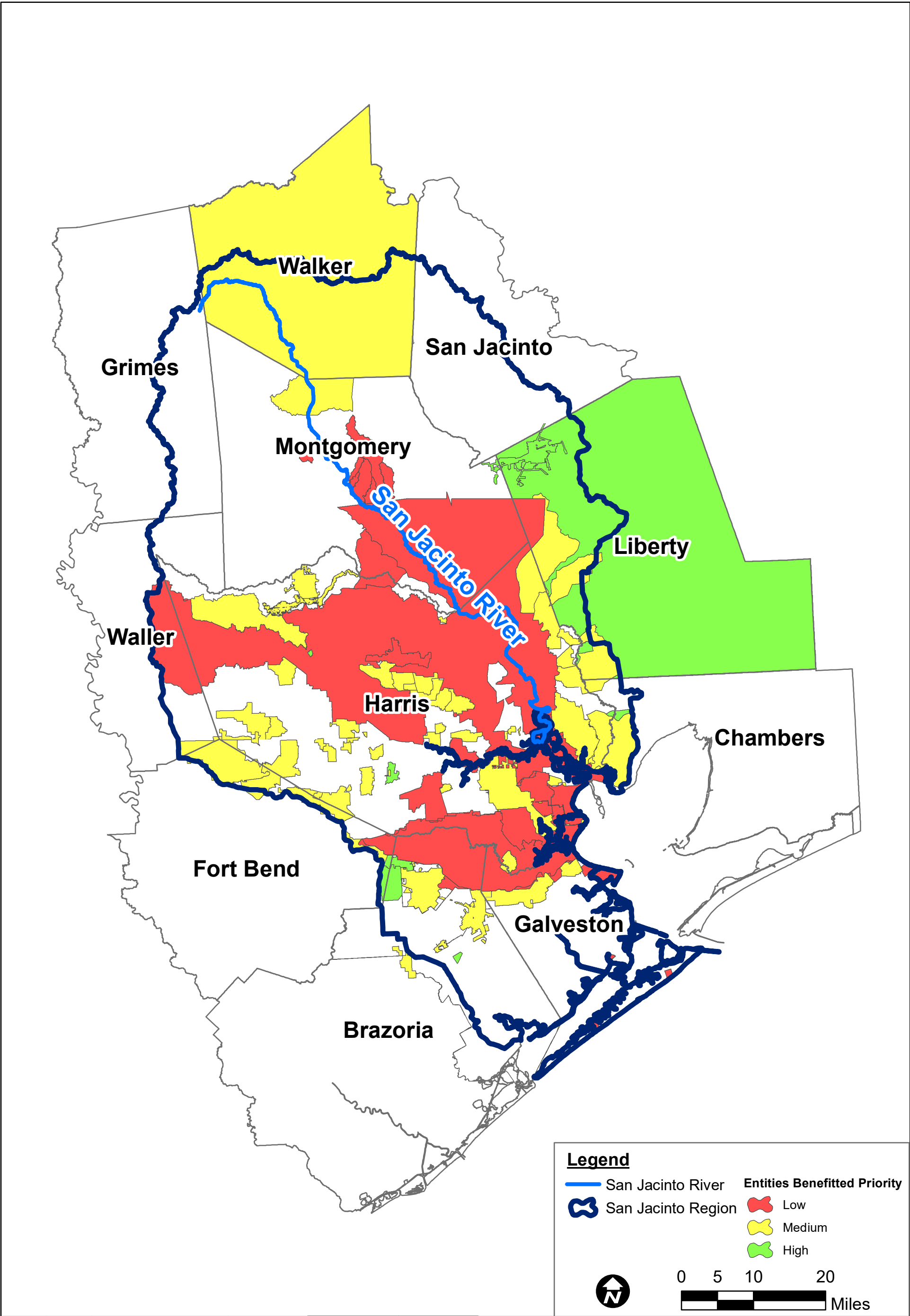


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			 TORRES & ASSOCIATES, LLC ENGINEERS SCIENTISTS PROFESSIONALS			FLOOD MANAGEMENT EVALUATIONS (FME) MODEL AVAILABILITY PRIORITY







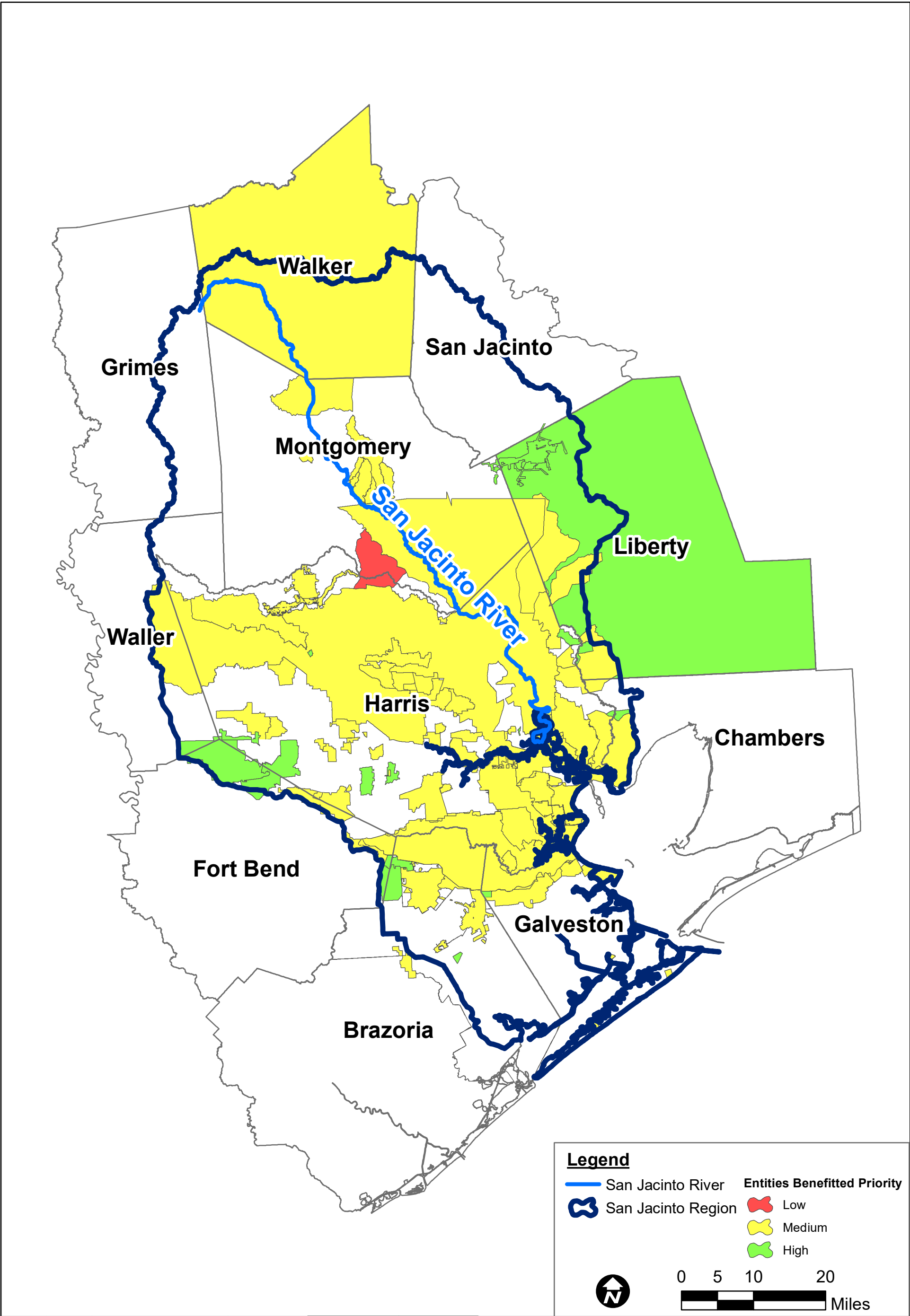


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			 TORRES & ASSOCIATES, LLC ENGINEERS SCIENTISTS PROFESSIONALS			FLOOD MANAGEMENT EVALUATIONS (FME) ENTITIES BENEFITTED PRIORITY ALTERNATIVE 3

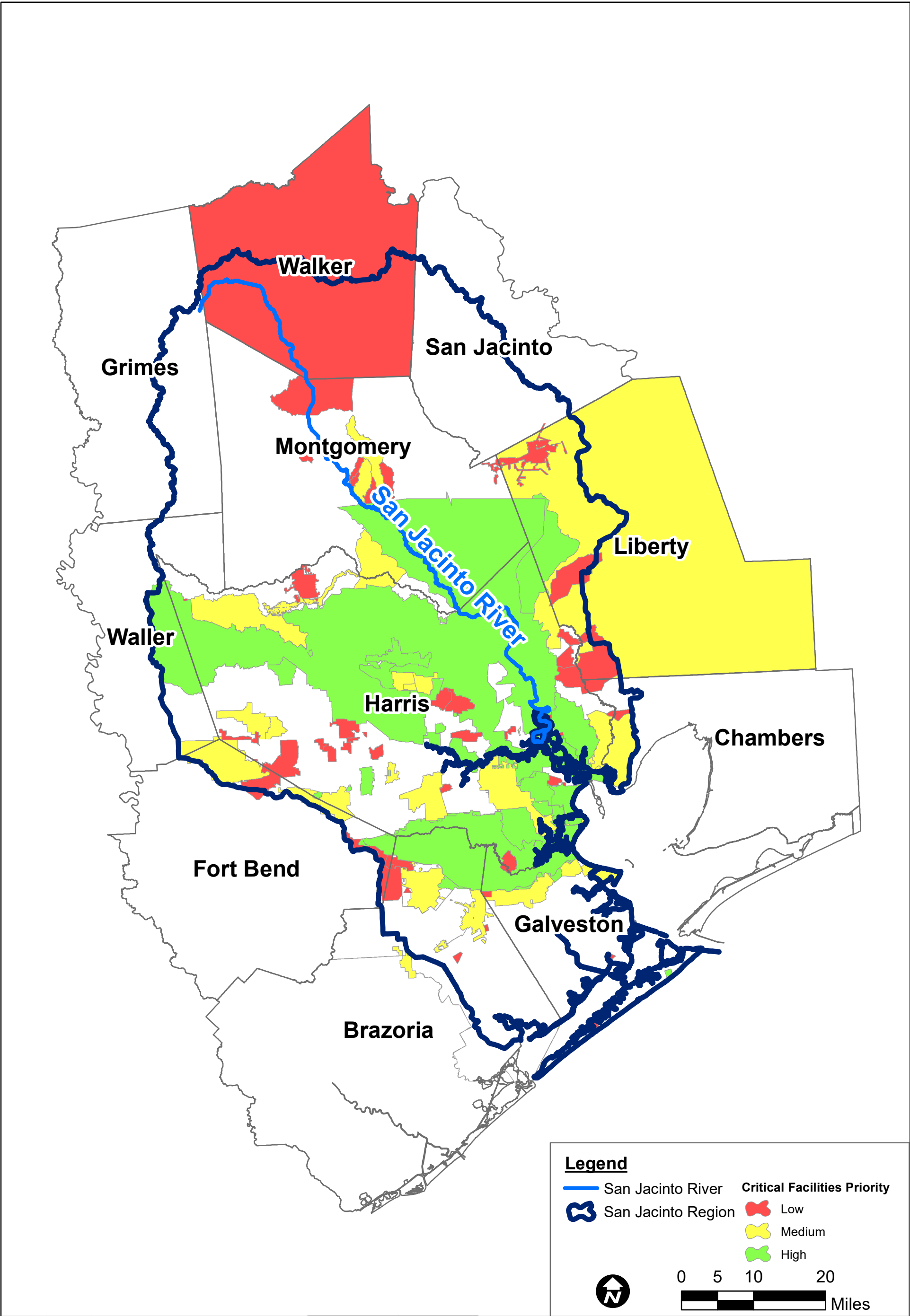


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			 TORRES & ASSOCIATES, LLC ENGINEERS SCIENTISTS PROFESSIONALS			FLOOD MANAGEMENT EVALUATIONS (FME) CRITICAL FACILITIES BENEFITTED PRIORITY ALTERNATIVE 1

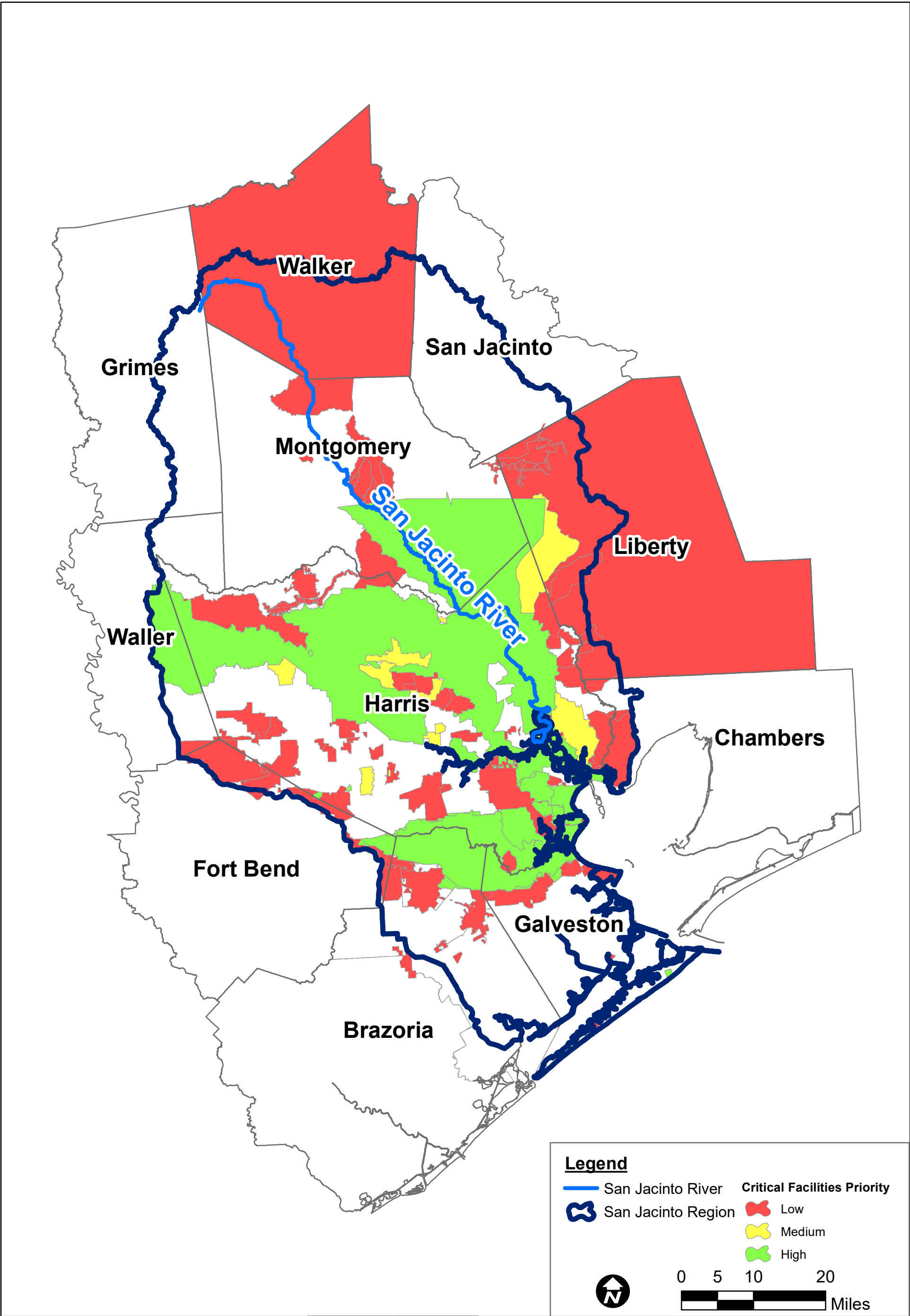


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			 TORRES & ASSOCIATES, LLC ENGINEERS SCIENTISTS PROFESSIONALS			FLOOD MANAGEMENT EVALUATIONS (FME) CRITICAL FACILITIES BENEFITTED PRIORITY ALTERNATIVE 2

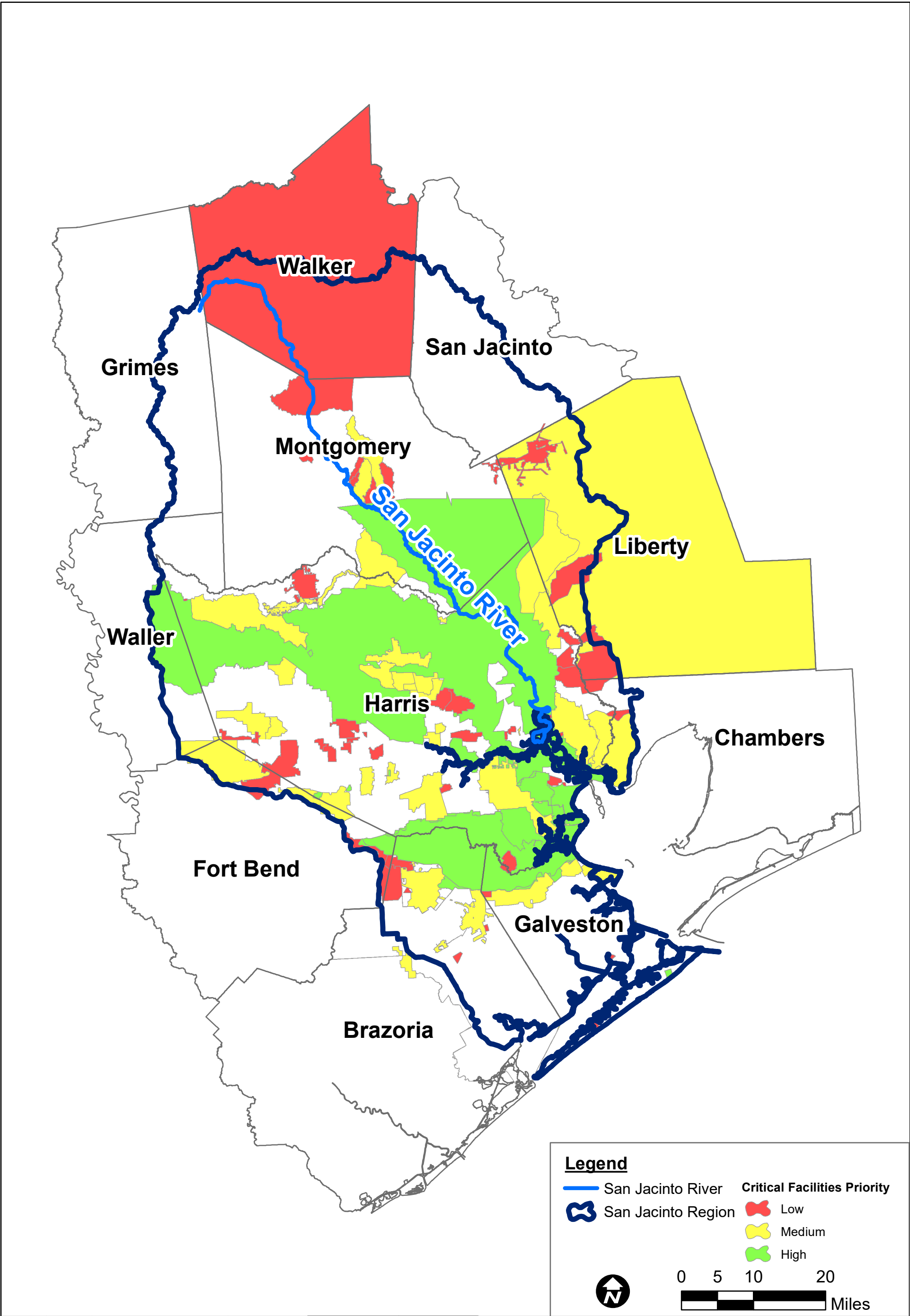
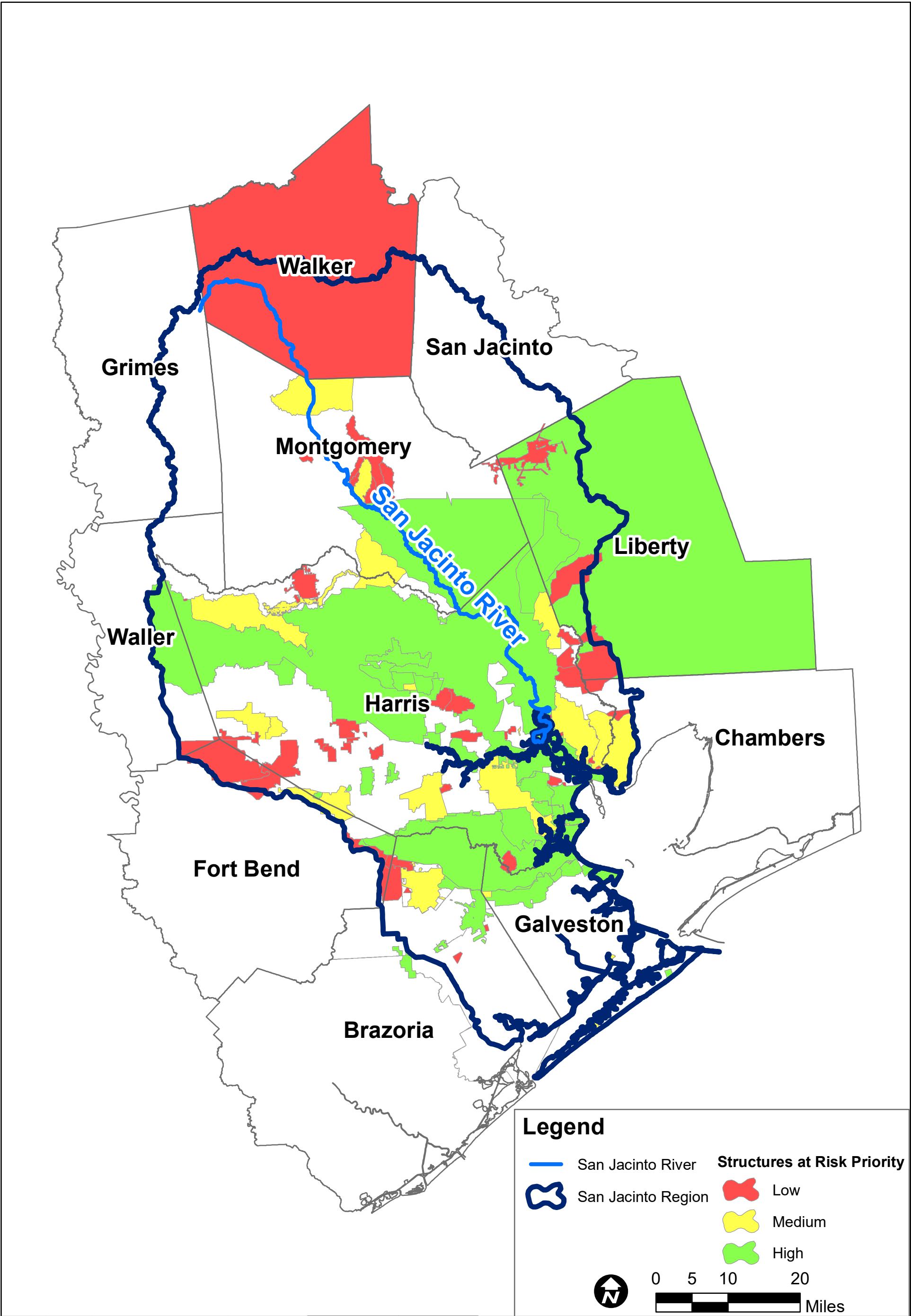
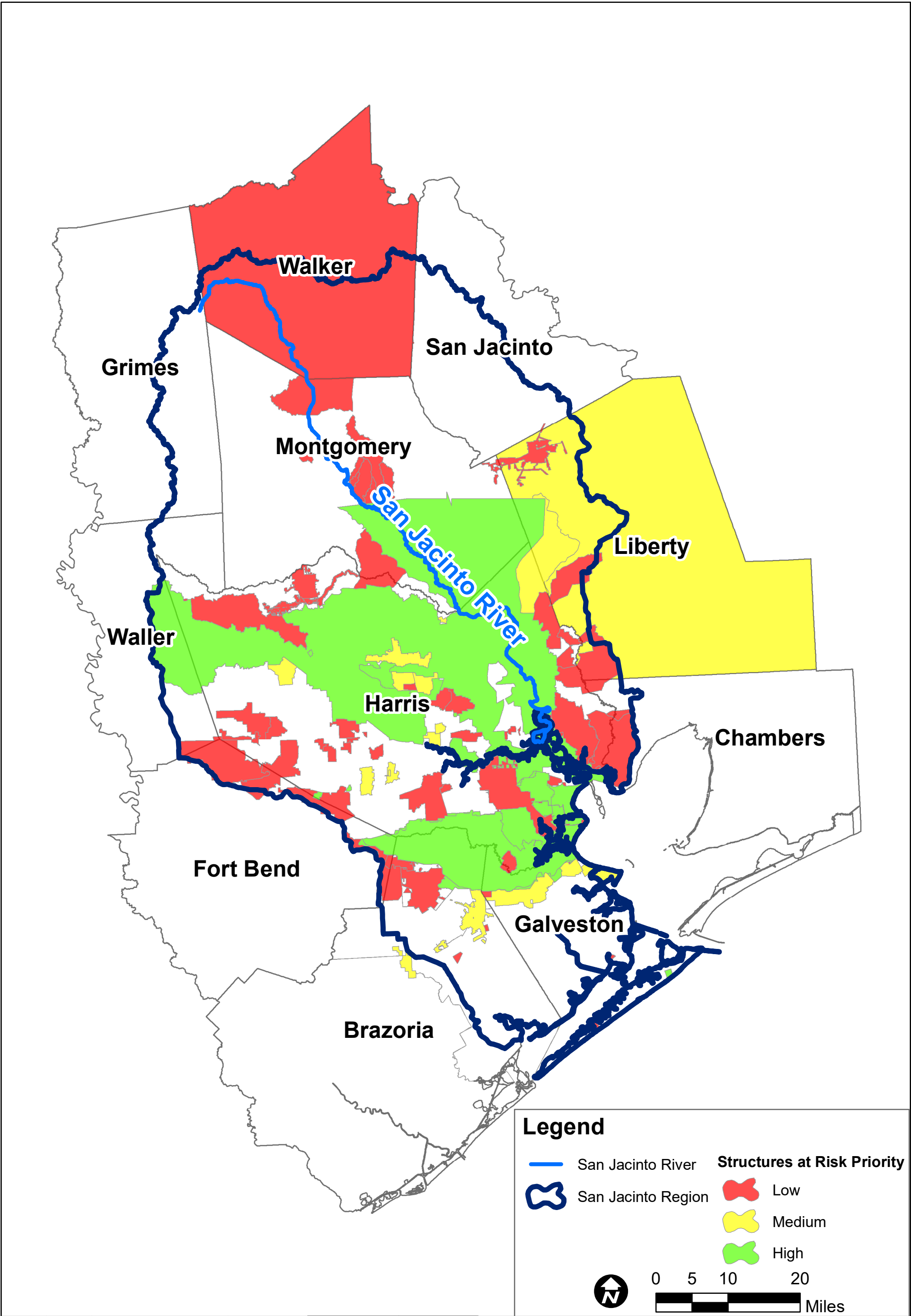
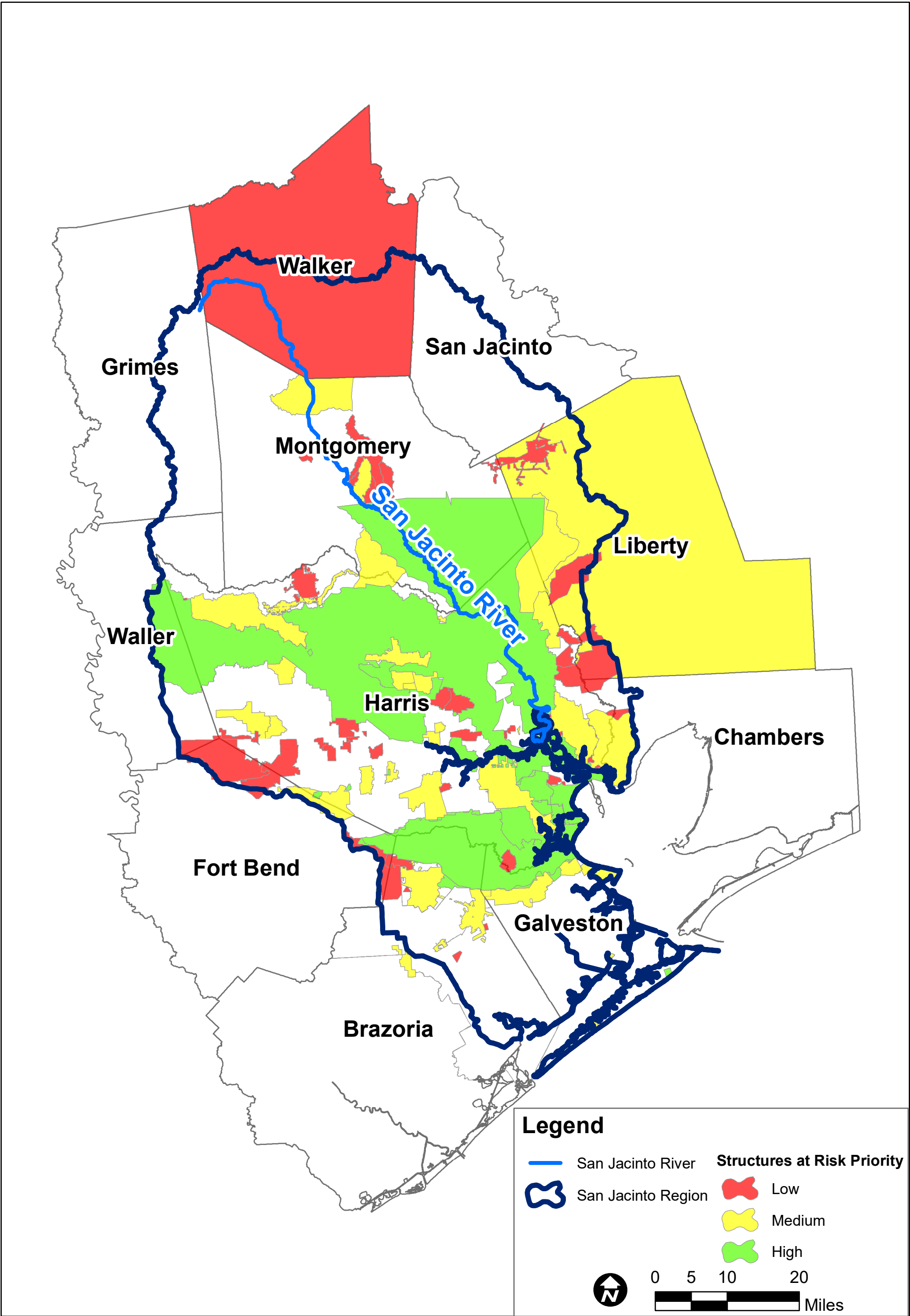
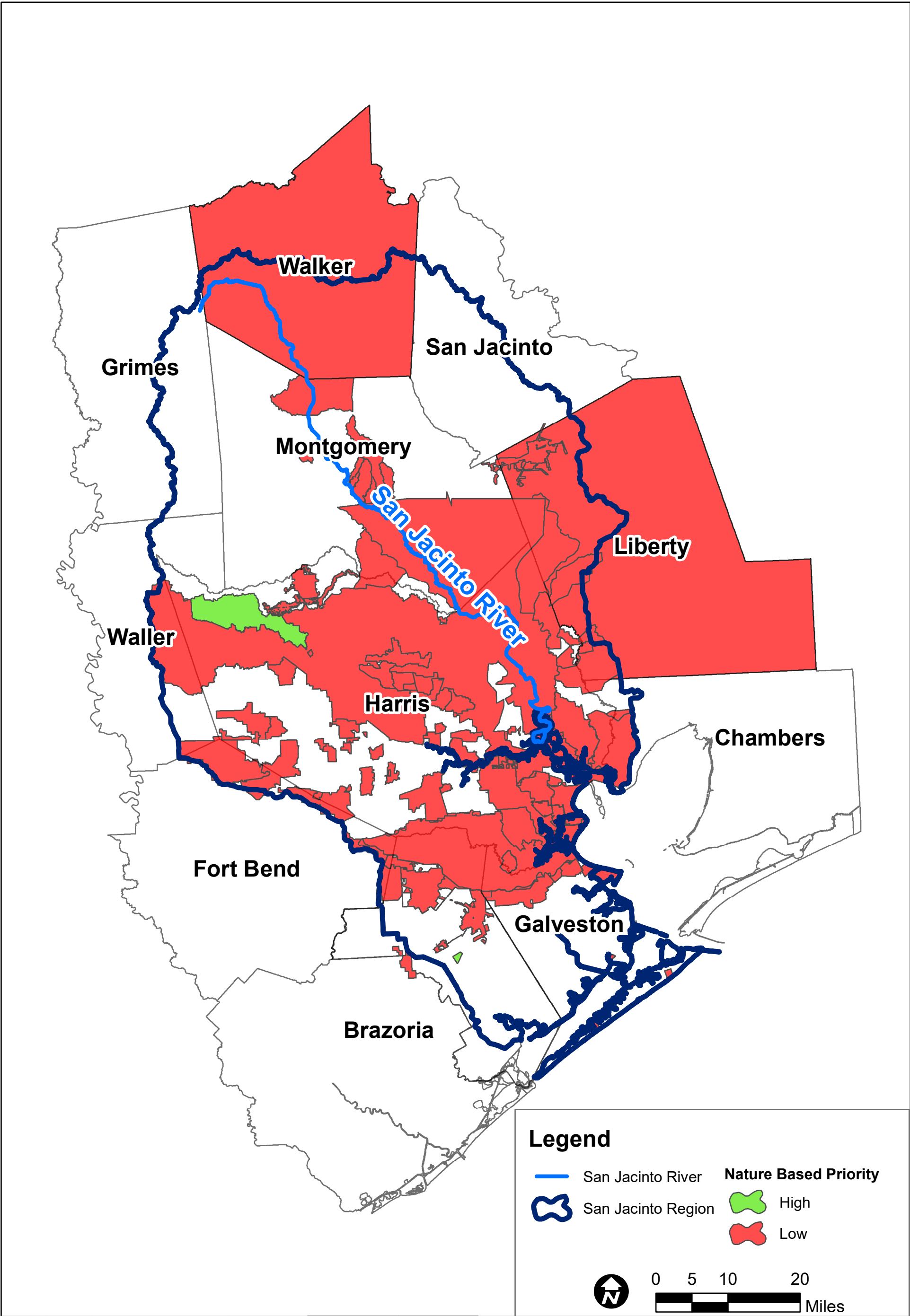


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			 TORRES & ASSOCIATES, LLC ENGINEERS SCIENTISTS PROFESSIONALS			FLOOD MANAGEMENT EVALUATIONS (FME) CRITICAL FACILITIES BENEFITTED PRIORITY ALTERNATIVE 3









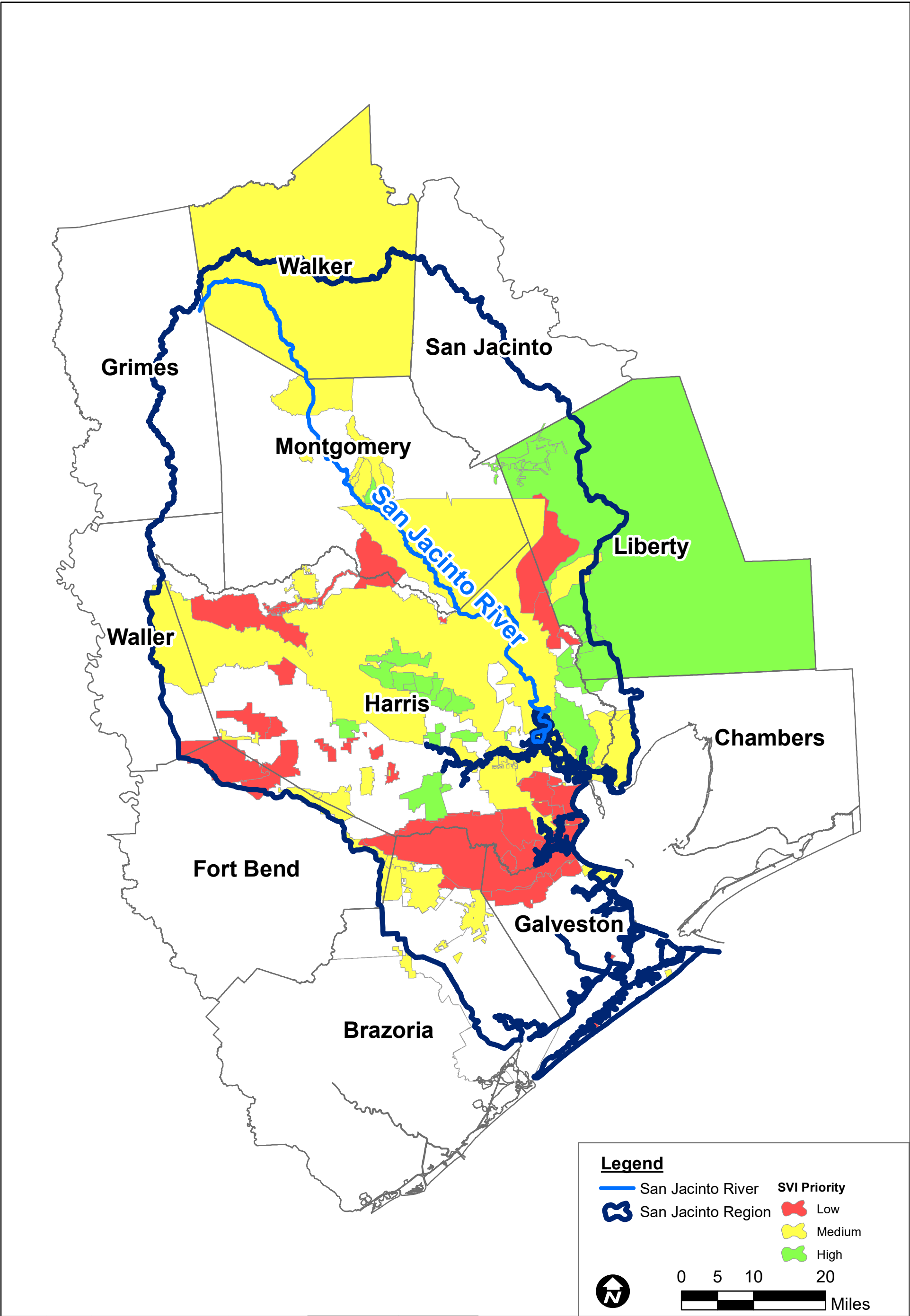


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			<div> ENGINEERS SCIENTISTS PROFESSIONALS</div>			FLOOD MANAGEMENT EVALUATIONS (FME) SVI PRIORITY ALTERNATIVE 1

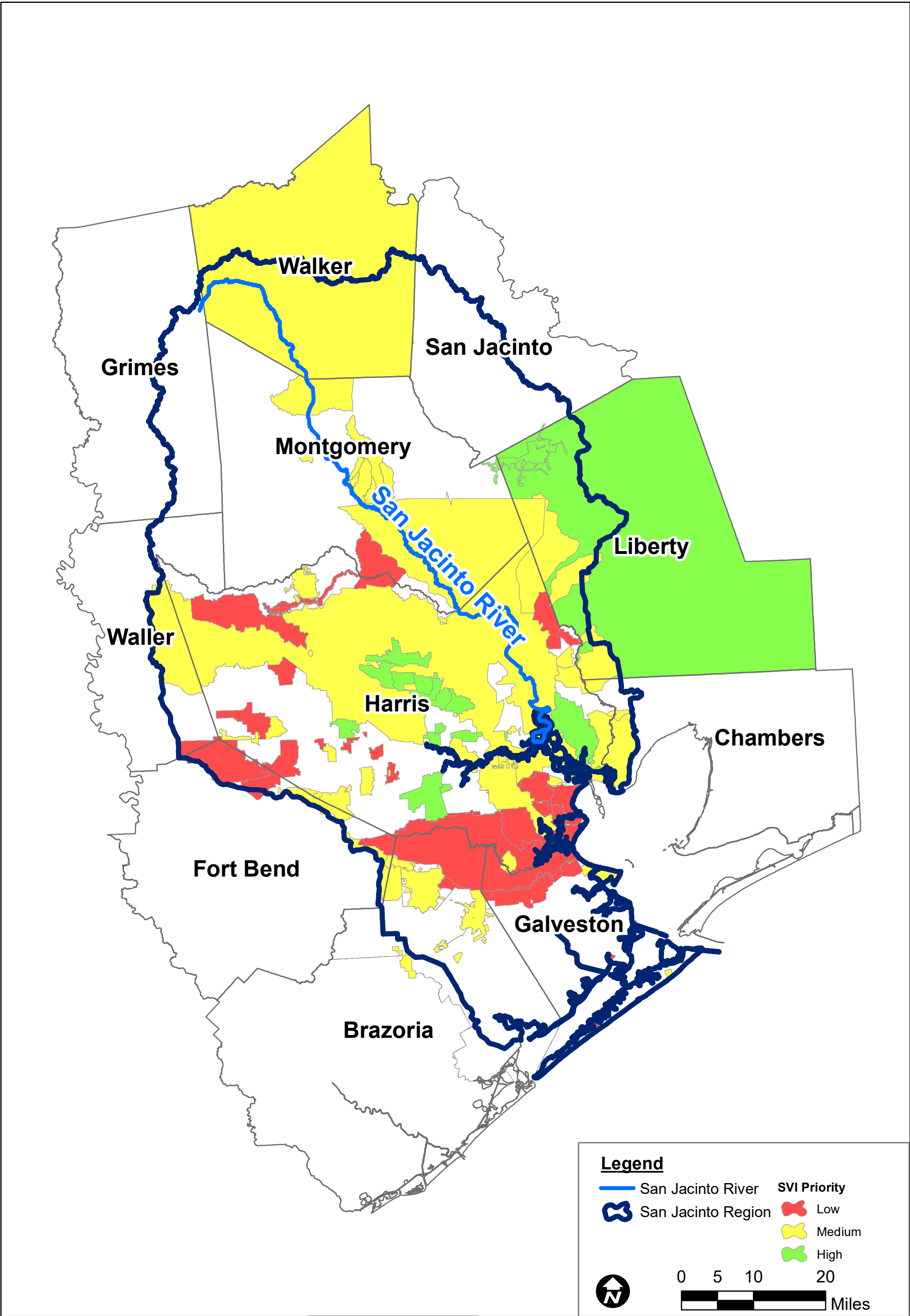


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			<div> TORRES & ASSOCIATES, LLC ENGINEERS SCIENTISTS PROFESSIONALS</div>			FLOOD MANAGEMENT EVALUATIONS (FME) SVI PRIORITY ALTERNATIVE 2

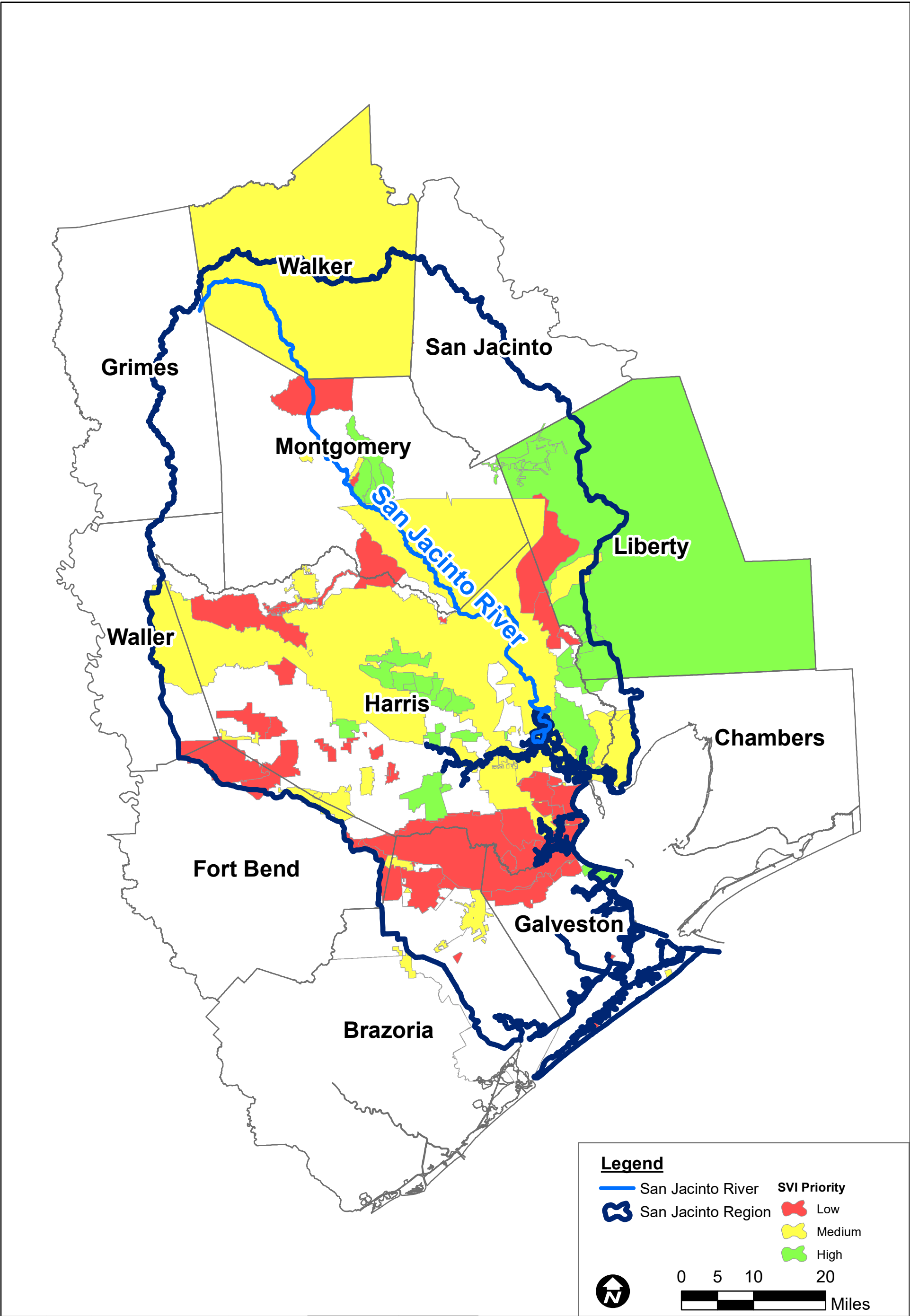
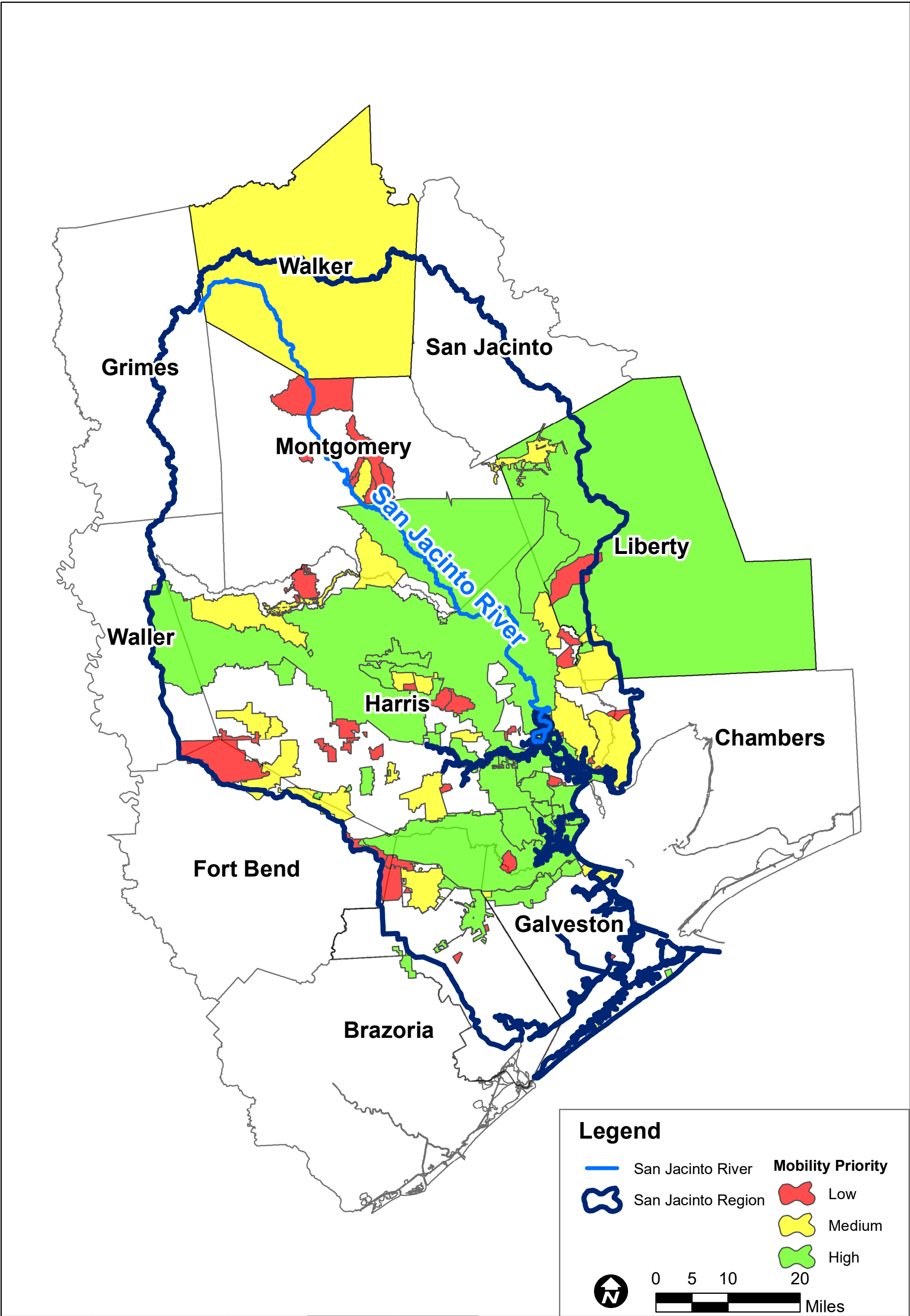
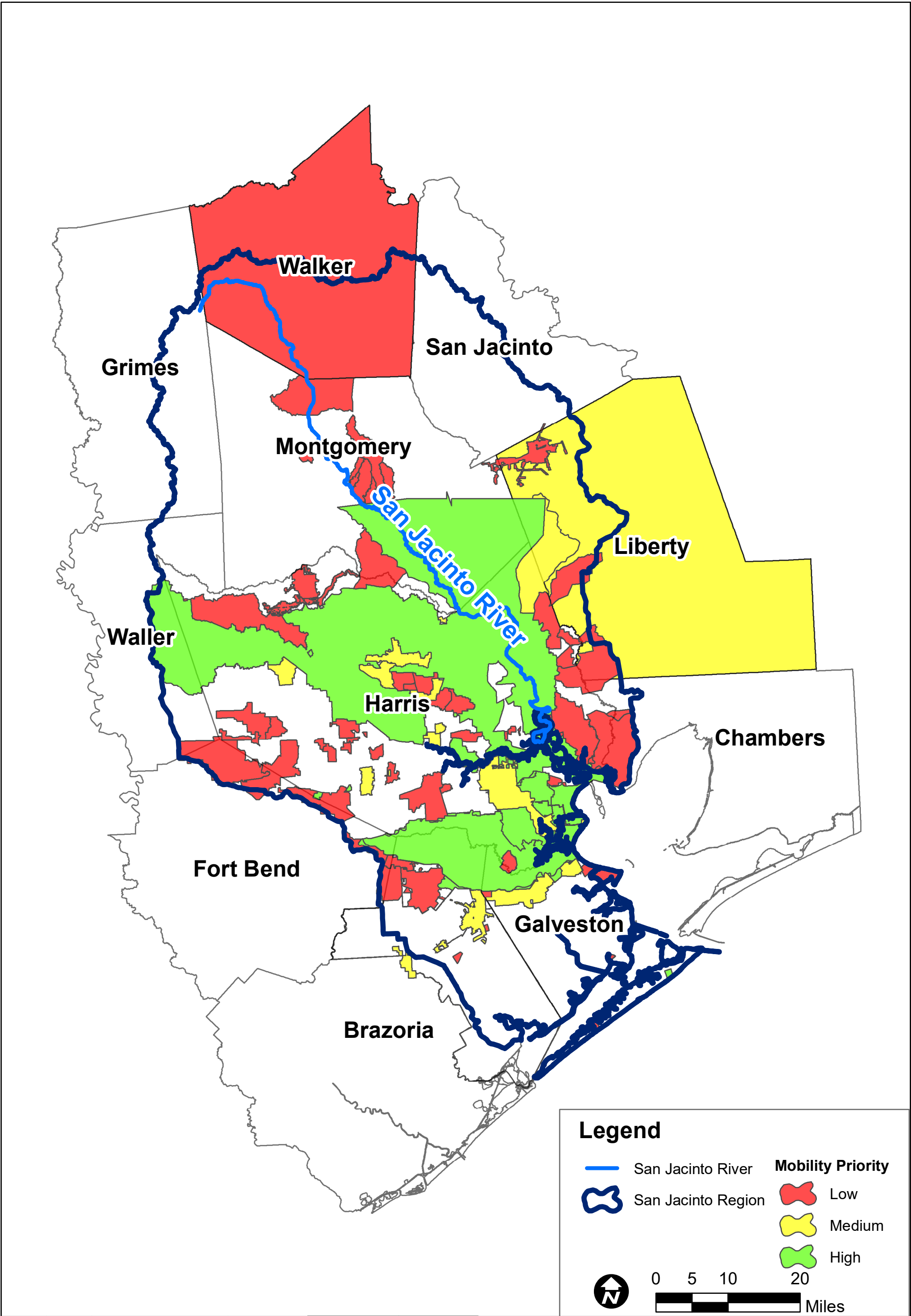
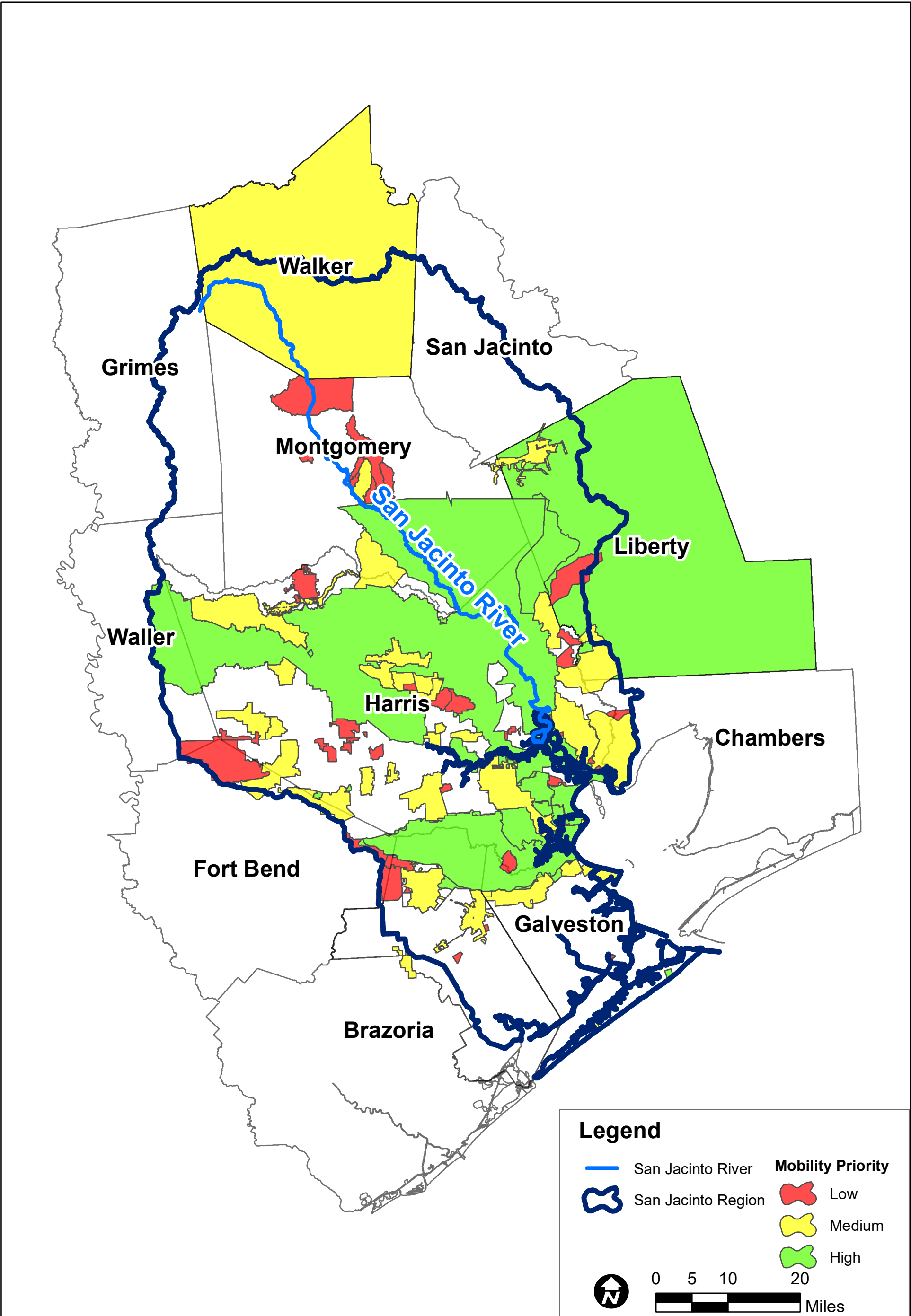
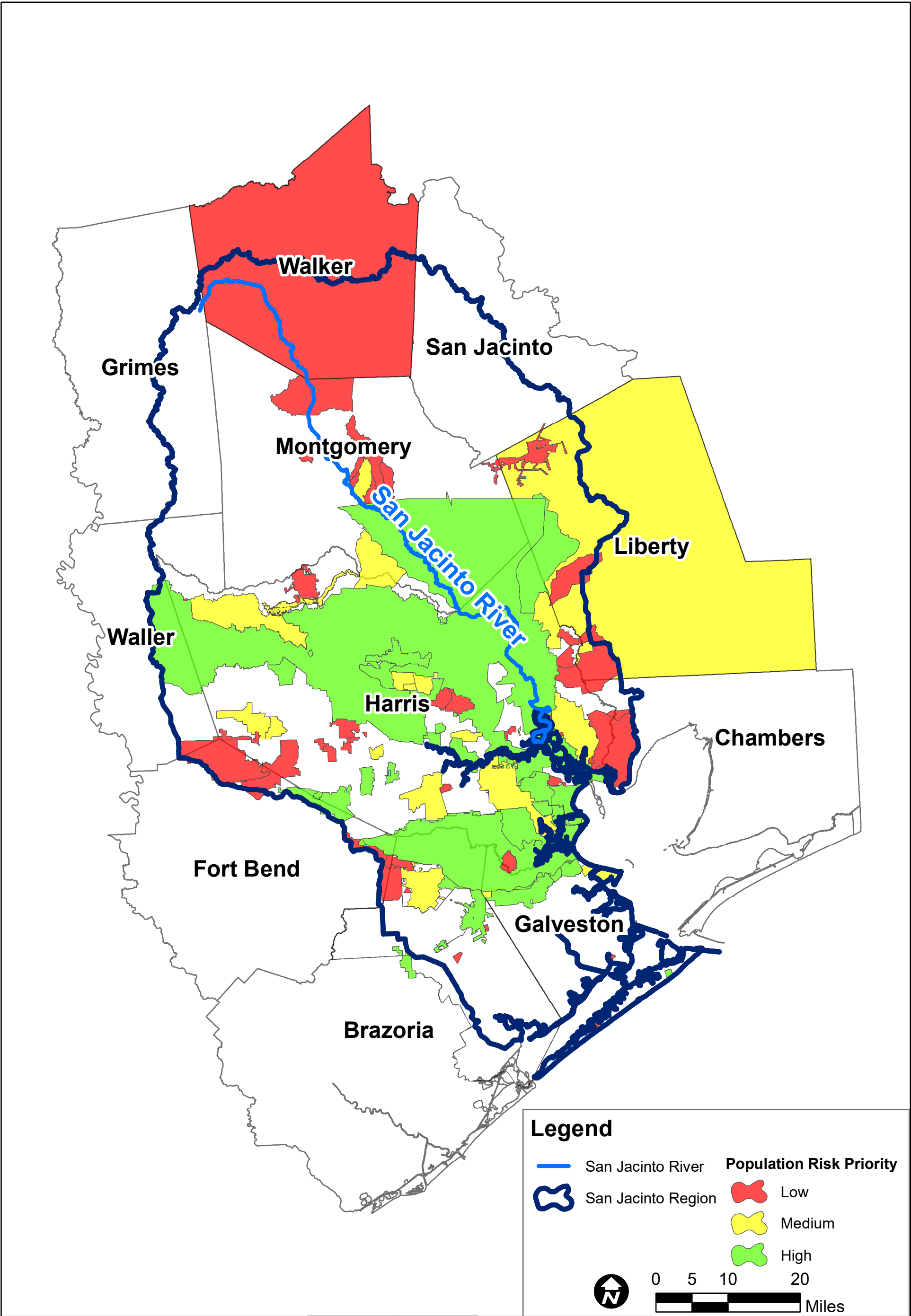


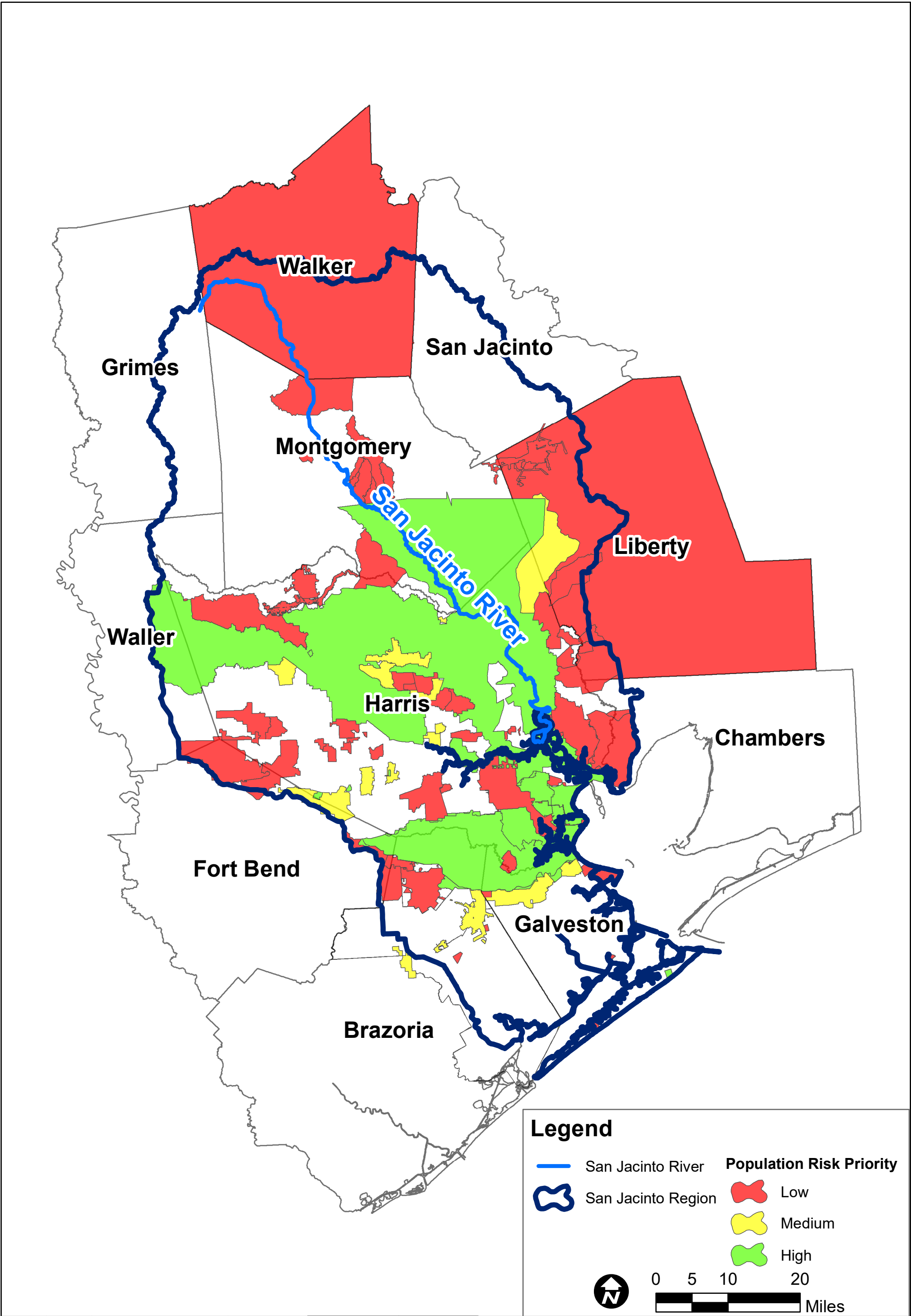
Exhibit 20	Date: Oct 2022 Scale: As Noted	 10497 TOWN AND COUNTRY WAY, SUITE 500 HOUSTON, TEXAS 77024	Prepared: CAA	Checked: ESA	Approved: JMT	SAN JACINTO REGIONAL FLOOD PLAN
			 TORRES & ASSOCIATES, LLC ENGINEERS SCIENTISTS PROFESSIONALS			FLOOD MANAGEMENT EVALUATIONS (FME) SVI PRIORITY ALTERNATIVE 3

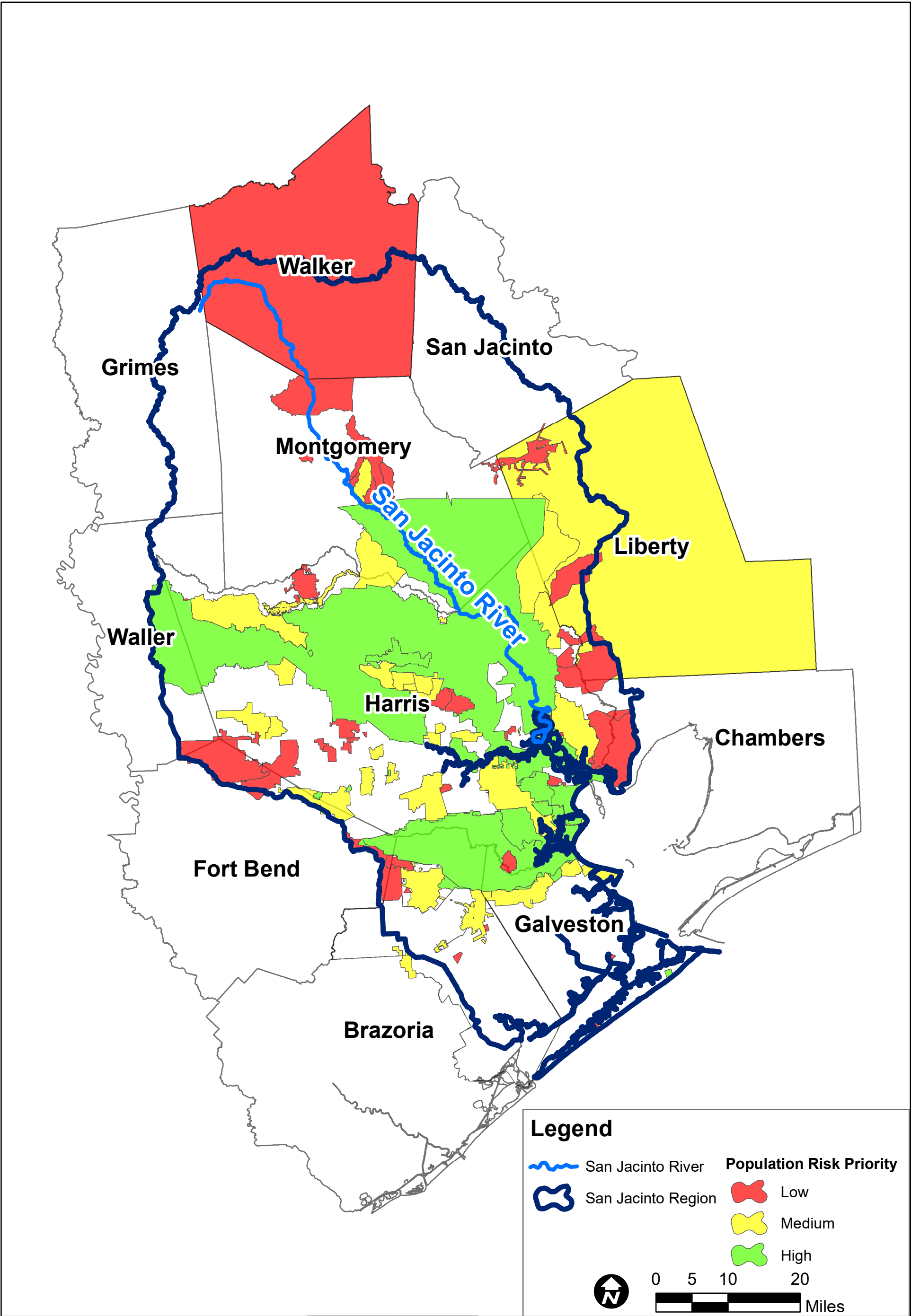












APPENDIX 1

Revised DRAFT Prioritization Ranking of FMEs

Recommended Criteria	Priority Ranking		
	Low Priority (1)	Medium Priority (3)	High Priority (5)
Level of Effort	Effort may be outside of budget constraints (\$150k to > \$100k)	Reasonable Effort based on budget/schedule (\$100k to > \$30k)	Low Effort and can likely be completed quickly and efficiently (≤ \$30k)
Model/Data Availability	No model/project data available	Some project data readily available	Necessary models and project data readily available
Known Flood Risk	Low Known Flood Risk	Medium Known Flood Risk	High Known Flood Risk
Number of Entities Benefitted	1-2	3	Greater than 3
Critical Facilities at risk	Less than Median	Above Median	Above Average
Structures at risk	Less than Median	Above Median	Above Average
Population at risk	Less than Median	Above Median	Above Average
Unique Sponsor	Another FME has higher priority for Sponsor	NA	Highest priority FME of Unique Sponsor
Nature Based Solutions	No Nature Based Solution considered in the evaluation	NA	Nature Based Solution(s) considered in the evaluation
Priority within Subwatershed (HUC10)	Another FME has higher priority for Subwatershed based on other criteria	NA	Highest priority FME of Subwatershed based on other criteria
Social Vulnerability Index (SVI)	Low (Less than 0.33)	Medium (0.33-0.66)	High (Greater than 0.66)
Mobility/Length of Inundated Roadway	Less than Median	Above Median	Above Average

NOTE: If sponsor concurrence is not received, FME may not be considered.

APPENDIX 2

Preliminary DRAFT Prioritization Ranking of FMEs
(For Reference Only)

Recommended Criteria	Priority Ranking		
	Low Priority (1)	Medium Priority (3)	High Priority (5)
Level of Effort	Significant Effort outside of budget constraints (>\$150k)	Moderate Effort and may be slightly outside of budget constraints (\$150k-\$50k)	Reasonable Effort based on budget/schedule (<\$50k)
Model/Data Availability	No model/project data available	Some project data readily available	Necessary models and project data readily available
Known Flood Risk	Low Known Flood Risk	Medium Known Flood Risk	High Known Flood Risk
Number of Entities Benefitted	NA	1-3	>3
Critical Facilities at risk	Less than Average	Above Average	Greater than Average + One Standard Deviation
Structures at risk	Less than Average	Above Average	Greater than Average + One Standard Deviation
Population at risk	Less than Average	Above Average	Greater than Average + One Standard Deviation
Unique Sponsor	Another FME has higher priority for Sponsor based on other criteria	NA	Highest priority FME of Unique Sponsor based on other criteria

NOTE: If sponsor concurrence is not received, FME may not be considered.

Appendix 03 – San Jacinto RFPG Technical Committee Task 12 Survey Results (9/2/2022)

What is the desired outcome of Task 12?
 Maximize...

Mentimeter

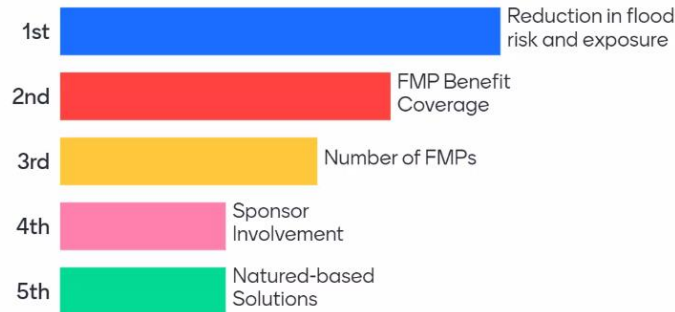


Figure 1: Survey Question #1 – What is the desired outcome of Task 12? Maximize...

Which selection criteria are most important to consider?

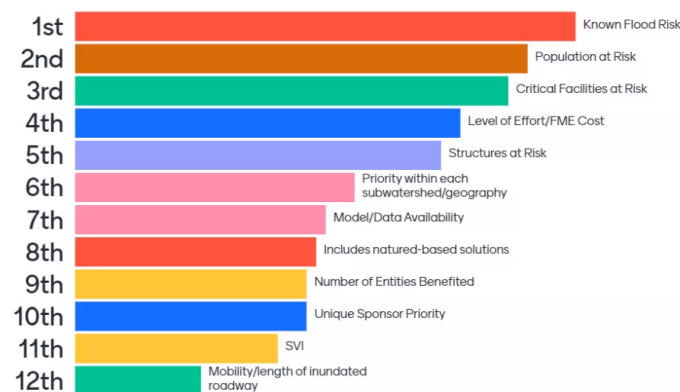


Figure 2: Survey Question #2 – Which selection criteria are most important to consider?

What is the preferred distribution of FME types?

Mentimeter

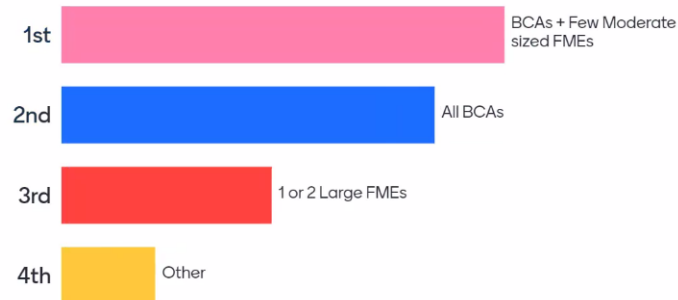


Figure 3: Survey Question #3 – What is the preferred distribution of FME types?

Appendix 04 – San Jacinto RFPG Task 12 Survey Results (9/8/2022)

What is the desired outcome of Task 12? Maximize...

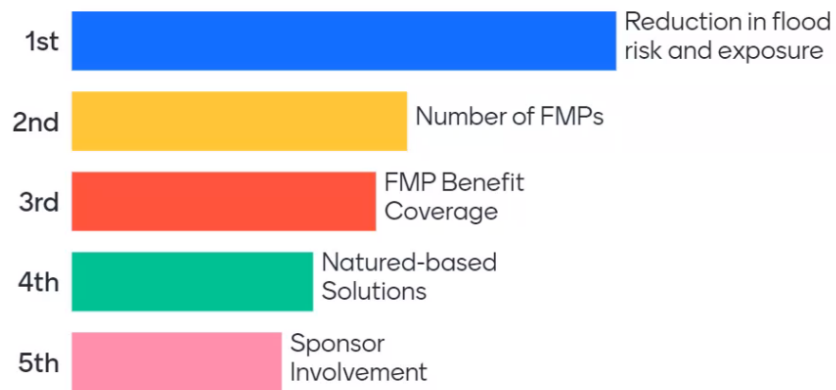


Figure 1: Survey Question #1 – What is the desired outcome of Task 12? Maximize...

Which selection criteria are most important to consider?

Mentimeter

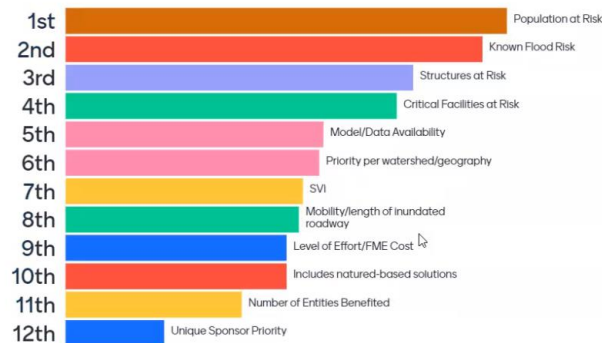


Figure 2: Survey Question #2 – Which selection criteria are most important to consider?

What is the preferred distribution of FME types?

Mentimeter

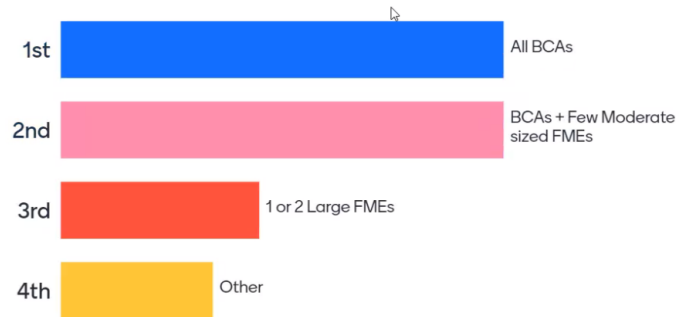


Figure 3: Survey Question #3 – What is the preferred distribution of FME types?

Appendix 05 – Results of Statistics for Prioritization Criteria

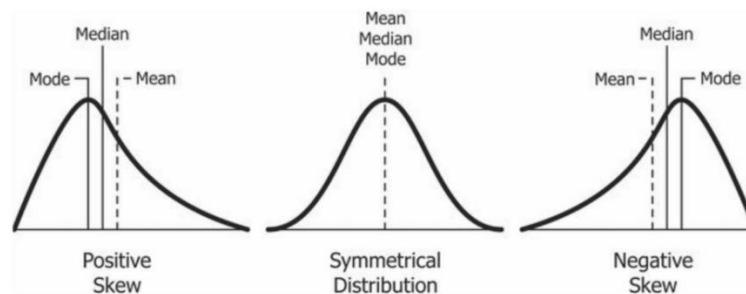
The statistical analysis was performed for all criteria to determine the boundaries of prioritization for the San Jacinto Regional Flood Planning Group (RFPG). The criteria included in the statistical analysis include the following: Level-of-Effort, Number of Entities Benefitted, Critical Facilities at Risk, Structures at Risk, Social Vulnerability Index (SVI), Mobility/Length of Inundated Roadway, and Population at Risk. In **Appendix 05**, the statistical terms which are used for the analysis is explained and the result of statistical analysis is shown for each criterion.

Glossary of Statistical Terms

<i>Mean</i>	The sum of a list of numbers, divided by the total number of elements in the list.
<i>Median</i>	"Middle value" of a list. The smallest number such that at least half the numbers in the list are no greater than it. If the list has an odd number of entries, the median is the middle entry in the list after sorting the list into increasing order. If the list has an even number of entries, the median is the smaller of the two middle numbers after sorting. The median can be estimated from a histogram by finding the smallest number such that the area under the histogram to the left of that number is 50%.
<i>Mode</i>	For lists, the mode is a most frequent value. A list can have more than one mode. For histograms, a mode is a relative maximum.
<i>Standard Deviation</i>	A measure of the amount of variation or dispersion of a set of values. A low standard deviation indicates that the values tend to be close to the mean of the set, while a high standard deviation indicates that the values are spread out over a wider range.
<i>Skewness</i>	A measure of the asymmetry of the probability distribution of a real-valued random variable about its mean. The skewness value can be positive, zero, negative, or undefined.
<i>Skewed Distribution</i>	A distribution that is not symmetrical.

Positively skewed distribution (or right-skewed distribution) A type of distribution in which most values are clustered around the left tail of the distribution while the right tail of the distribution is longer. (Mean > Median > Mode)

Negatively skewed distribution (or left-skewed distribution) A type of distribution in which more values are concentrated on the right side of the distribution graph while the left tail of the distribution graph is longer. (Mode > Median > Mean)



Results of Statistical Analysis

The summary of statistical analysis results for each criterion are shown in [Table 1](#) and [Table 2](#). There are three commonly used metrics for the measures of central tendency: Mean, Median, and Mode. These values were calculated for each criterion as well as the standard deviation as a measure of spread (variability). Also, the skewness was checked as a measure of the asymmetry of the distribution. [Table 1](#) provides the results of the whole dataset, while [Table 2](#) shows the results when the most extreme outliers are removed from the dataset.

Table 1. Summary of Statistical Analysis for Each Criteria

Criteria	Mean	Median	Mode	STD	Skewness
Level-of-Effort	50,131	30,000	30,000	36,939	-
Number of Entities Benefitted	2.95	3.00	3.00	1.04	-
Critical Facilities at Risk	19	4	0	79	Positive
Structures at Risk	1,773	511	0	5,318	Positive
Social Vulnerability Index (SVI)	0.46	0.45	0.64	0.24	-
Mobility/Length of Inundated Roadway	33.5	9.9	9.9	99	Positive
Population at Risk	8,726	2,324	0	30,182	Positive

Appendix 06

FME One-Page Fact Sheets in order of Revised
DRAFT Prioritization List

Flood Management Evaluation (FME)

Title Halls Bayou - Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project

ID# 061000404

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.



Study Details

Study type Other

Study description Develop BCA to become a FMP. Projects as part of the Halls Ahead Bond Implementation Program, could reduce the risk of flooding for more than 700 structures in an Atlas 14 1% rainfall event.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040605,120401040601,120401040302,120401040604,120401040

Drainage area (Square miles, est.) 44

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 43,171

of structures 12,422

Critical facilities 98

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 10

Roadway(s) impacted (length) 122

Number of low water crossings 7

Historical road closures 7

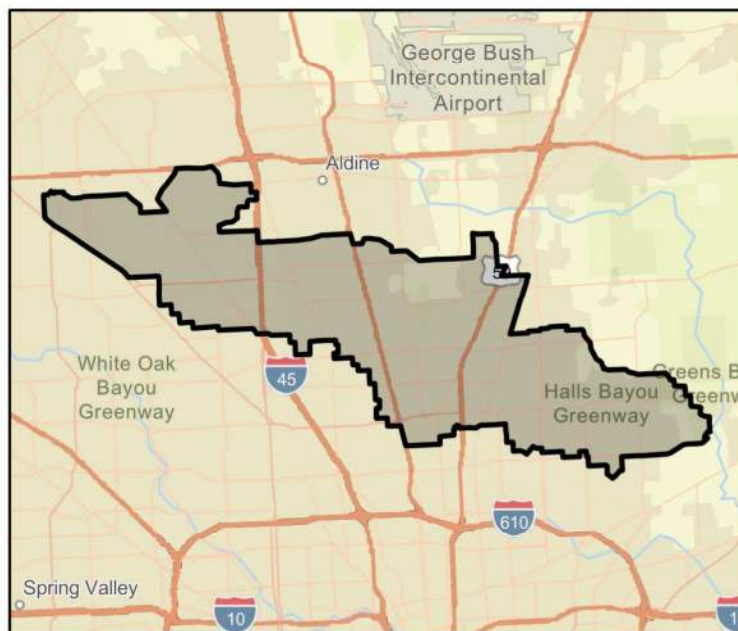
Estimated Cost and Funding Availability

Total Cost \$30,000

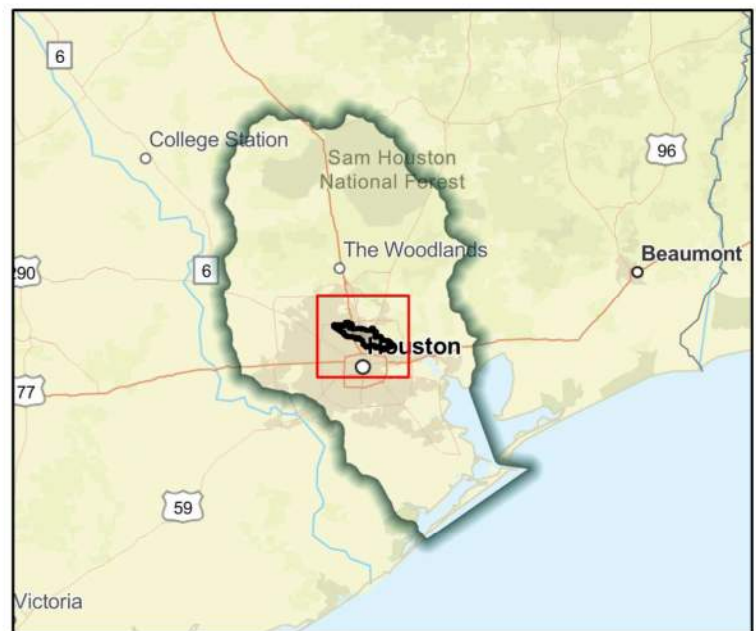
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Greens Bayou, Jackson Bayou, White Oak Bayou, Cypress Creek and San Jacinto River Areas Subdivision Drainage Mitigation Project

ID# 061000438

Sponsor (name of entity, not person) Harris (County)

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description This proposed solution recommends establishing positive drainage and clear flow lines, which are expected to reduce the water surface elevation in the subdivision to mitigate the structural flood risk for all 1,445 beneficiaries.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris,Waller,Liberty,Montgomery

Watershed HUC# (if known) 120402040300,120402040200,120402040400,120402040100

Drainage area (Square miles, est.) 1,042

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 335,950

of structures 53,765

Critical facilities 937

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 2,742

Roadway(s) impacted (length) 1,052

Number of low water crossings 47

Historical road closures

47

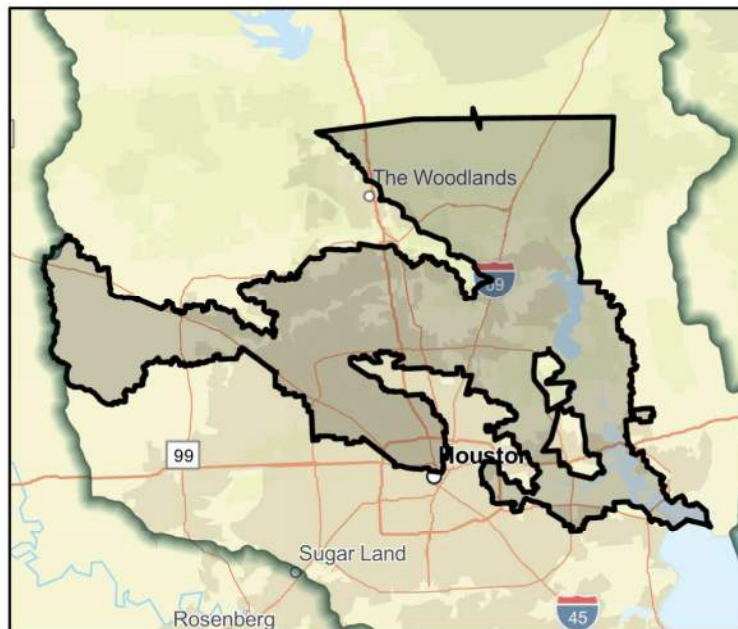
Estimated Cost and Funding Availability

Total Cost \$30,000

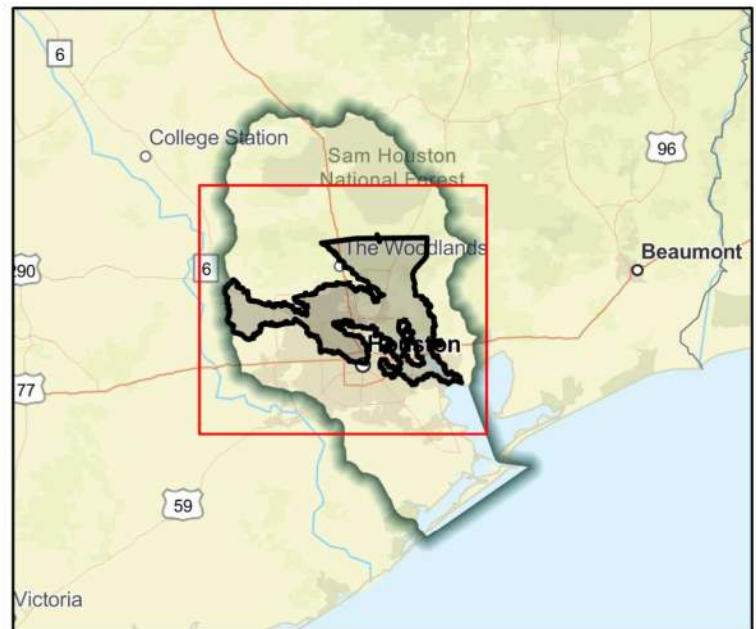
Amount of Available Funding 999999

Federal funding availability Yes

Funding source CDBG-MIT



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Catalina**

ID# **061000465**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR and other data needed to elevate project to a FMP. FIF application information unavailable.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **262**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **155,360**

of structures **33,653**

Critical facilities **395**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **597**

Roadway(s) impacted (length) **578**

Number of low water crossings **16**

Historical road closures

16

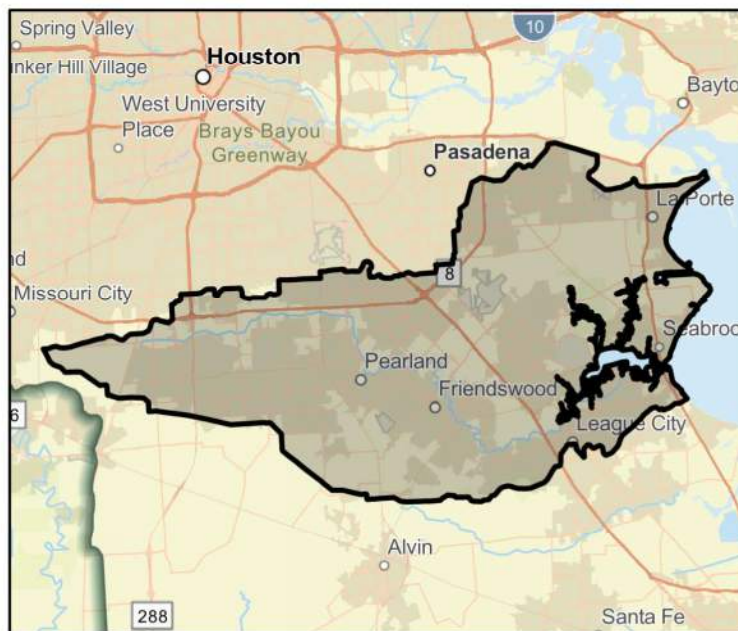
Estimated Cost and Funding Availability

Total Cost **\$30,000**

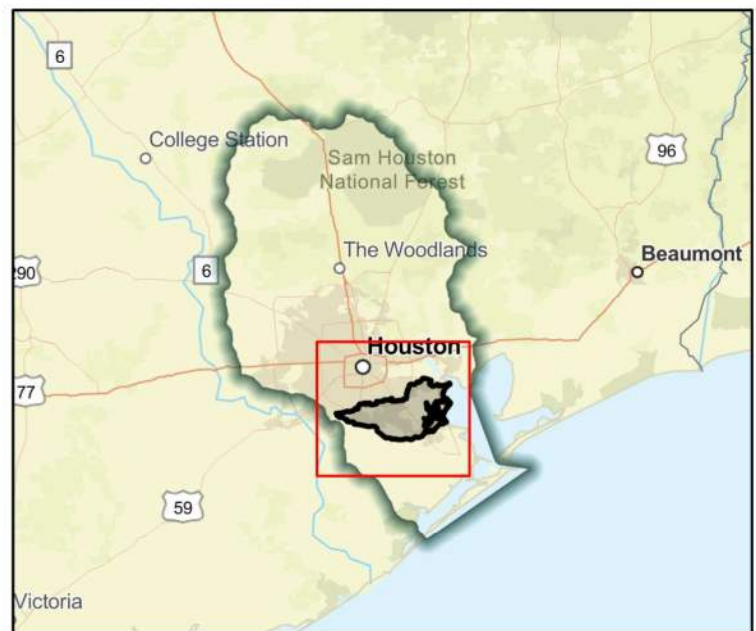
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Rivershire West - Grand Lake Creek Watershed**

ID# **061000453**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Montgomery**

Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **10**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,662**

of structures **879**

Critical facilities **6**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **5**

Roadway(s) impacted (length) **17**

Number of low water crossings **9**

Historical road closures **9**

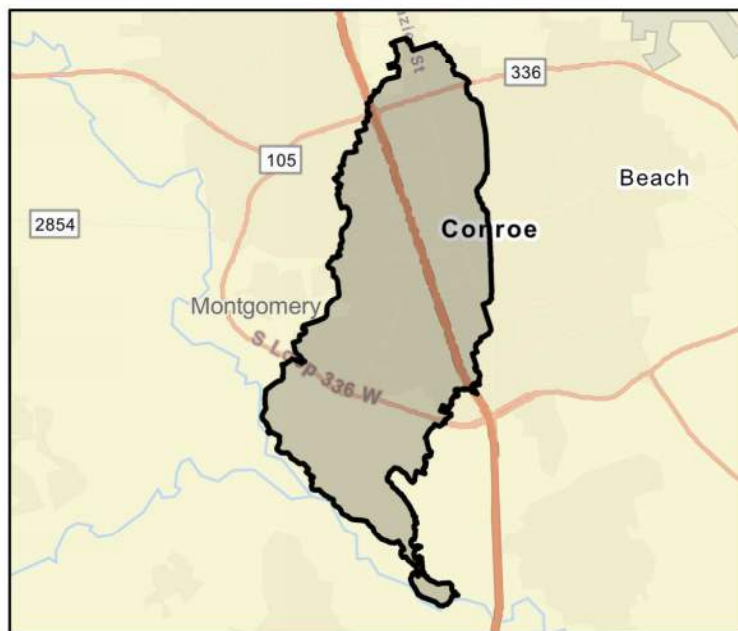
Estimated Cost and Funding Availability

Total Cost **\$30,000**

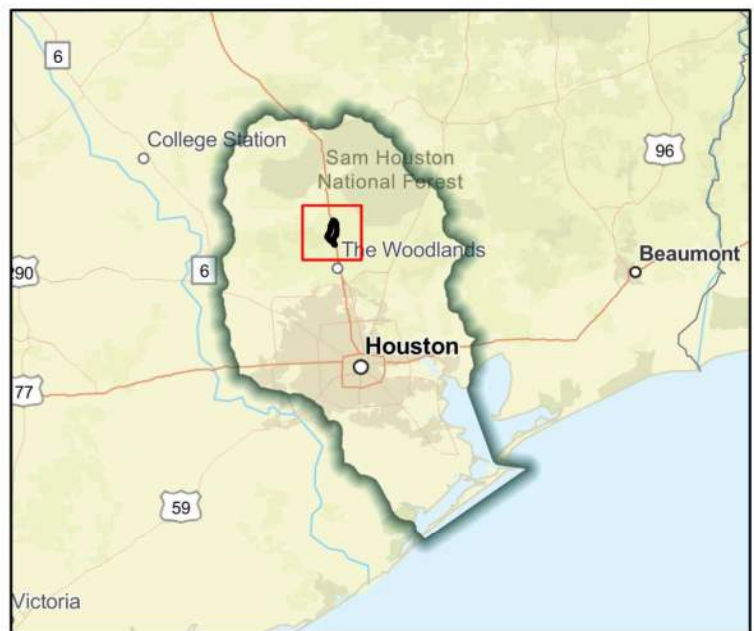
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title 37th Street, Galveston, Drainage Project

ID# 061000311

Sponsor (name of entity, not person) Galveston (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study and FMP development of existing storm sewer system replacement and upgrades using the city's updated drainage criteria that now require a 25-year storm drainage capacity.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Brazoria, Galveston

Watershed HUC# (if known) 120402040200

Drainage area (Square miles, est.) 253

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 150,807

of structures 40,153

Critical facilities 648

Flood risk type: Riverine? No

Coastal? Yes

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 2,683

Roadway(s) impacted (length) 723

Number of low water crossings 26

Historical road closures

26

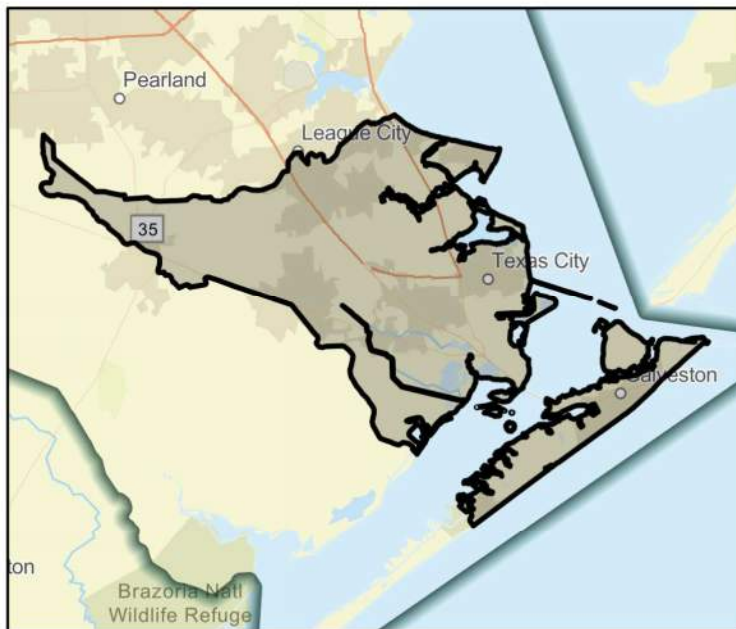
Estimated Cost and Funding Availability

Total Cost \$30,000

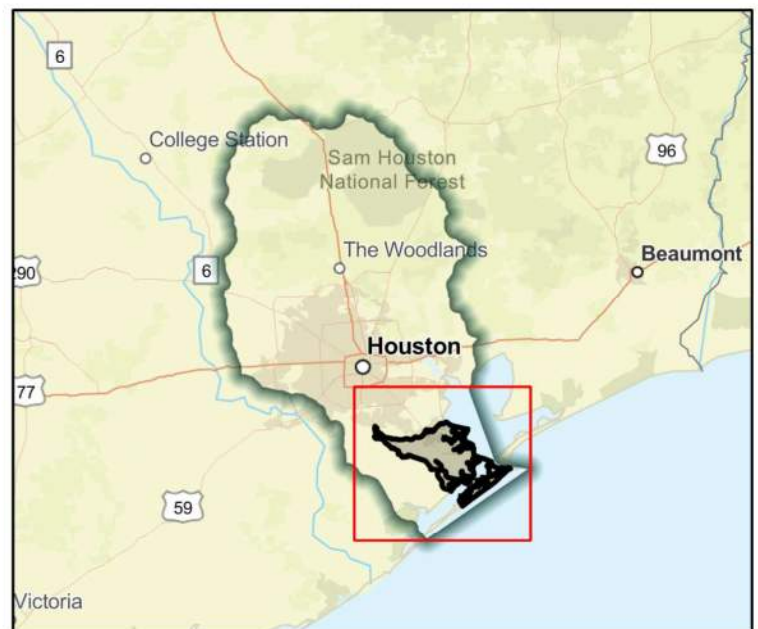
Amount of Available Funding 999999

Federal funding availability Yes

Funding source CDBG-MIT



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Brays Bayou Restore Channel Conveyance Capacity Along D115-00-00

ID# 061000187

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study of channel improvements from partnership project to restore channel conveyance including Atlas 14 rainfalls.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040401

Drainage area (Square miles, est.) 6

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 34,583

of structures 5,579

Critical facilities 75

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1

Roadway(s) impacted (length) 59

Number of low water crossings 0

Historical road closures

0

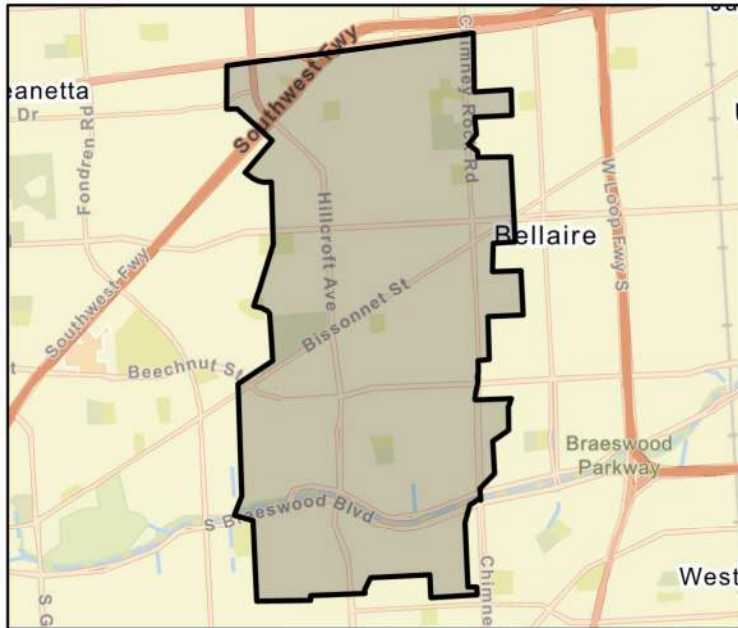
Estimated Cost and Funding Availability

Total Cost \$1,020,000

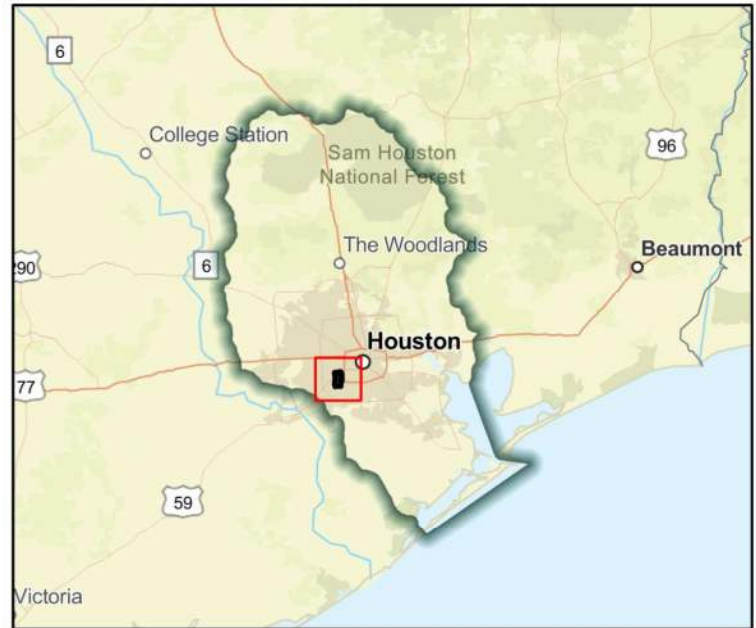
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Goose Creek Flood Risk Reduction Phase 1**

ID# **061000334**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. 1.65 Miles of Goose Creek channel modifications (Downstream of IH 10) with proposed detention basin "J".**

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

County **Harris** Watershed HUC# (if known) **120401040705,120401040706**

Drainage area (Square miles, est.) **35** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **9,371** # of structures **1,883** Critical facilities **64**

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

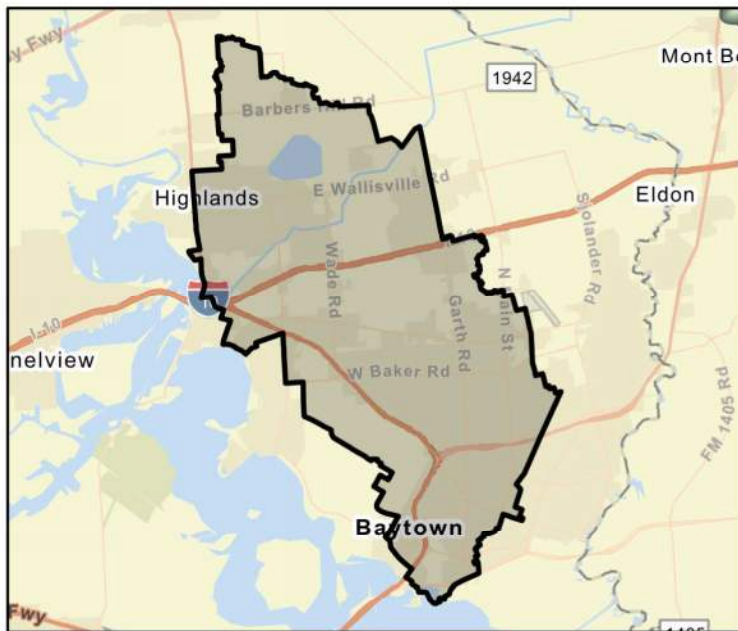
Farm/Ranch land impacted (acres) **73** Roadway(s) impacted (length) **33**

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

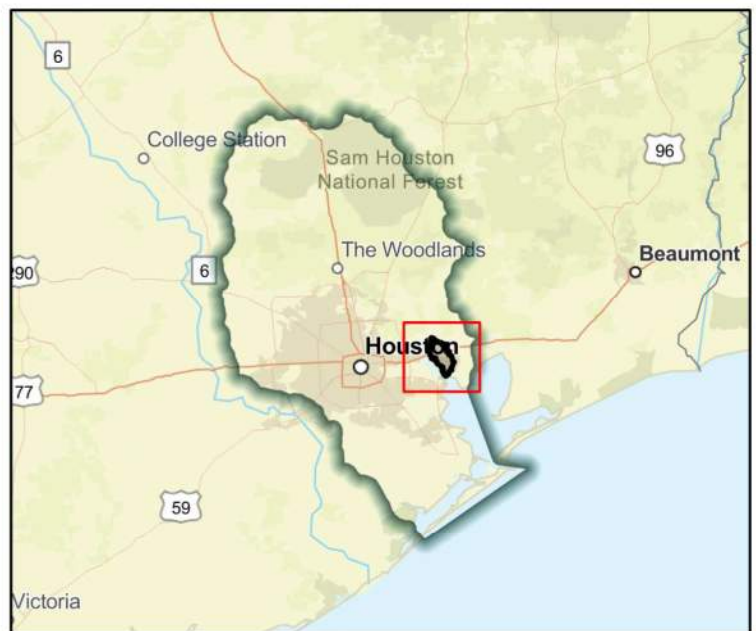
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **999999** Federal funding availability **Yes**

Funding source **HCFCD**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Alvin Flood Gauges

ID# 061000037

Sponsor (name of entity, not person) Alvin (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to identify areas where best to purchase additional flood gauges to be placed at bayous and key high water areas within City of Alvin.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Brazoria, Galveston, Fort Bend

Watershed HUC# (if known) 120402040300, 120402040200, 120402040400, 120402040100

Drainage area (Square miles, est.) 25

Goal(s) 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk 21,569

of structures 3,445

Critical facilities 18

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 262

Roadway(s) impacted (length) 57

Number of low water crossings 0

Historical road closures

0

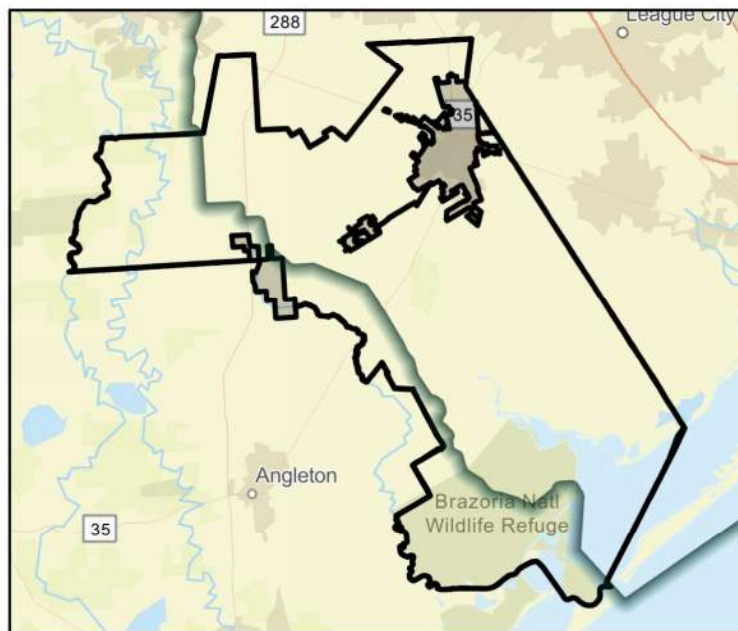
Estimated Cost and Funding Availability

Total Cost \$75,000

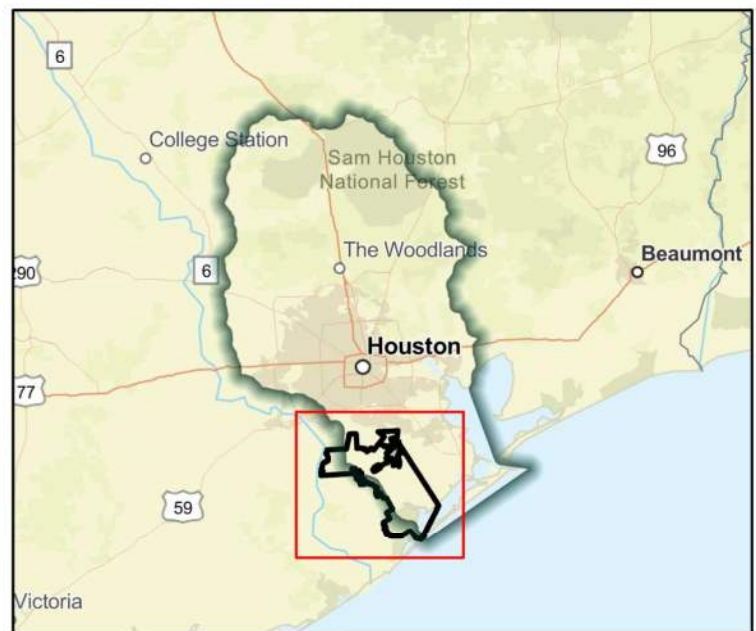
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title **White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin**

ID# **061000344**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type **Project Planning**

Study description **Study to develop a BCA to become FMP. This stormwater detention basin compliments the federal project on White Oak Bayou which will reduce the risk of flooding for 1,800 structures in an Atlas 14 1% rainfall event.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401020104,120401020106,120401040601,120401040302,120401040**

Drainage area (Square miles, est.) **79**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **90,865**

of structures **11,098**

Critical facilities **90**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **24**

Roadway(s) impacted (length) **164**

Number of low water crossings **0**

Historical road closures **0**

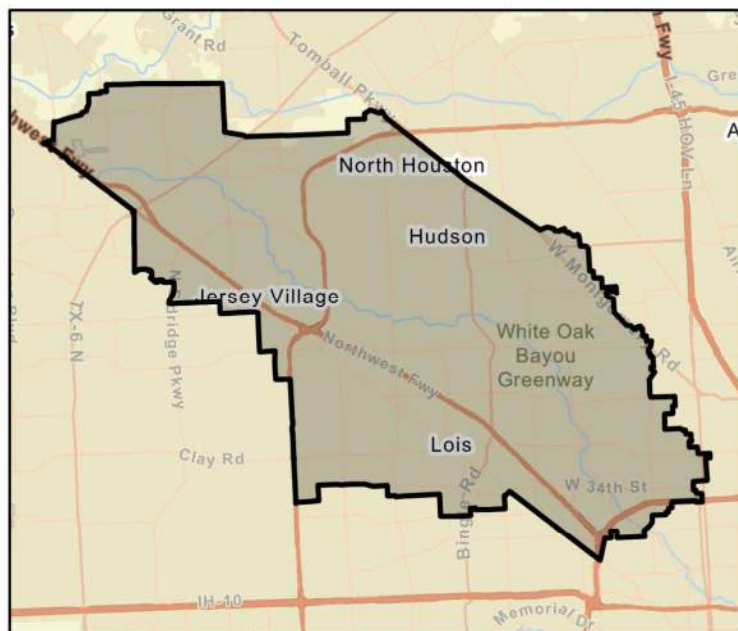
Estimated Cost and Funding Availability

Total Cost **\$30,000**

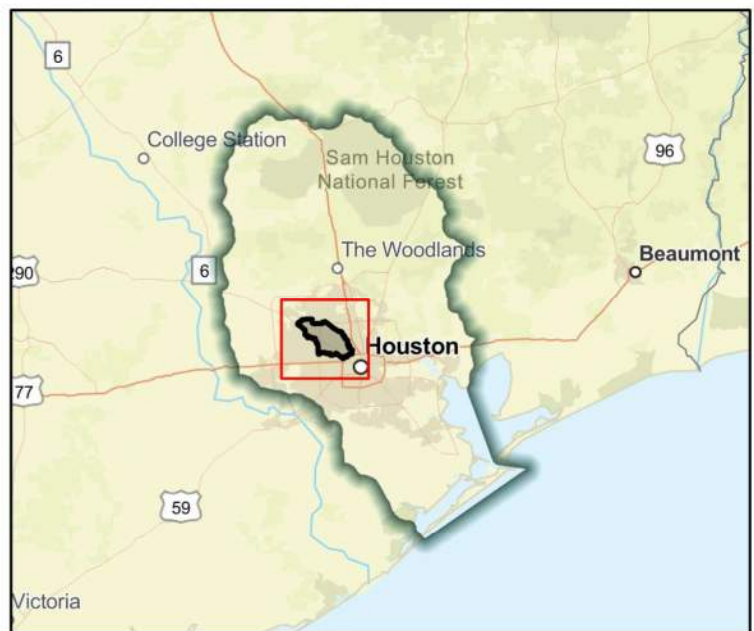
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Stormwater Drainage Improvement- Nottingham ditch

ID# 061000115

Sponsor (name of entity, not person) League City (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study of proposed slope paving (concrete lining) improvements. Still in planning, consultant hired. Design complete and pending construction funding.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Galveston,Harris

Watershed HUC# (if known) 120402040200,120402040100

Drainage area (Square miles, est.) 53

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 20,978

of structures 5,251

Critical facilities 25

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1,308

Roadway(s) impacted (length) 105

Number of low water crossings 2

Historical road closures

2

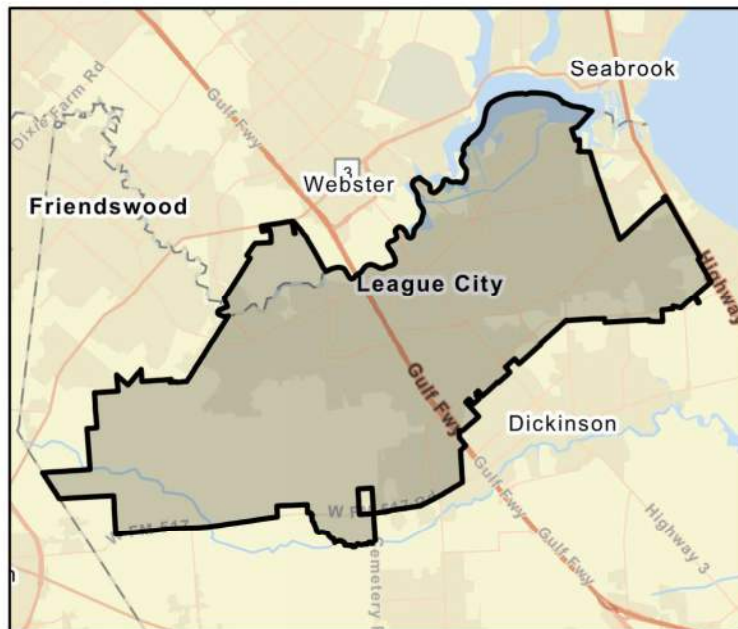
Estimated Cost and Funding Availability

Total Cost \$50,000

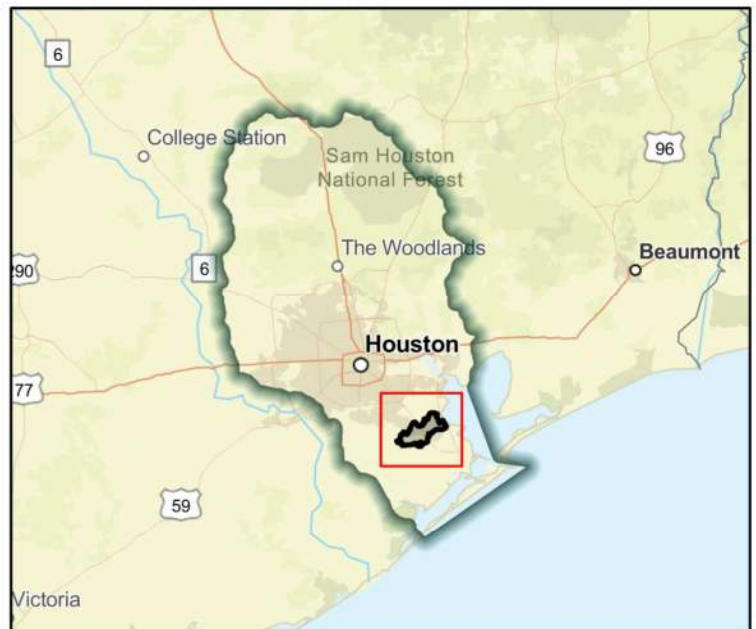
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Evaluation of Dredging of Channels that Exit Into Lake Houston

ID# 061000437

Sponsor (name of entity, not person) Harris (County)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris,Liberty,Montgomery

Watershed HUC# (if known) 120401010501,120401030205,120401030402

Drainage area (Square miles, est.) 156

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 25,574

of structures 6,662

Critical facilities 64

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 327

Roadway(s) impacted (length) 169

Number of low water crossings 1

Historical road closures

1

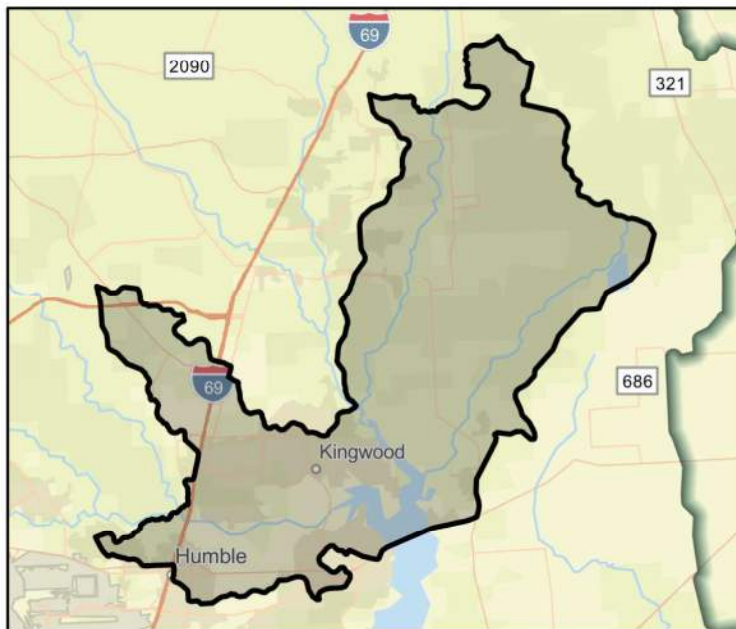
Estimated Cost and Funding Availability

Total Cost \$30,000

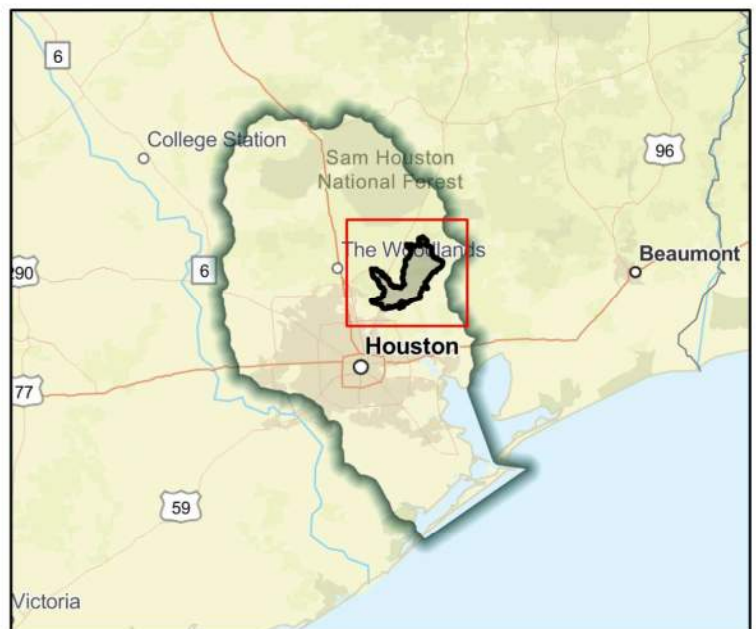
Amount of Available Funding 999999

Federal funding availability Yes

Funding source Unknown



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Liberty County Culvert Replacement Project**

ID# **061000148**

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

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Increase culvert size in identified flood hazard problem areas within Liberty County.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **No**

County **Liberty**

Watershed HUC# (if known) **120401030201,120401030108,120401030109,120401030205,120401030**

Drainage area (Square miles, est.) **1,170**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,854**

of structures **3,618**

Critical facilities **8**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **1,379**

Roadway(s) impacted (length) **144**

Number of low water crossings **7**

Historical road closures **7**

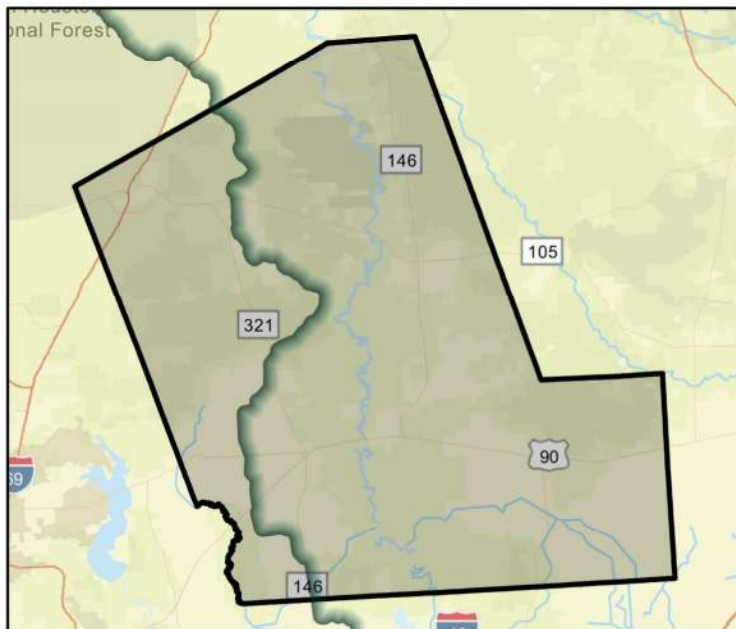
Estimated Cost and Funding Availability

Total Cost **\$120,000**

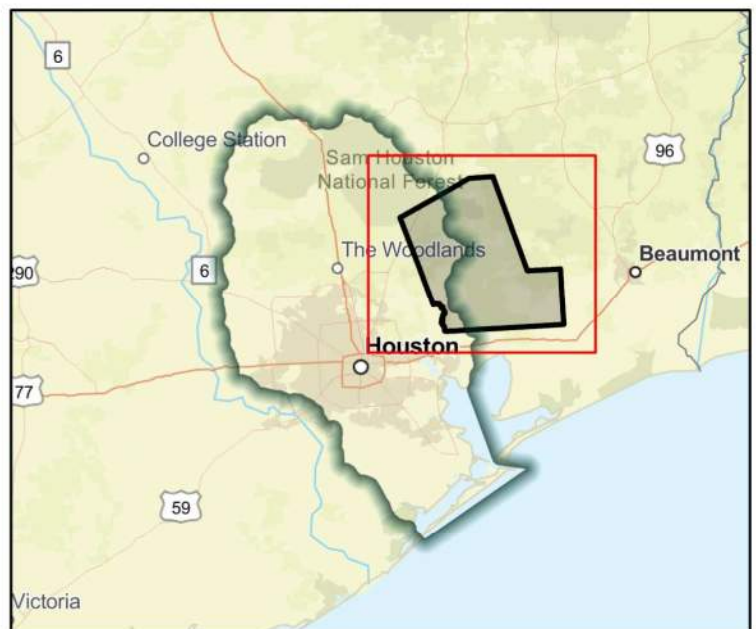
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Houston Sunnyside Area Flood Mitigation**

ID# **061000468**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Further study to develop into a FMP. Includes new storm sewer trunk systems on major thoroughfares & new or improved neighborhood storm sewer systems. Will also require construction of detention basins to mitigate the proposed improvements.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040402,120401040502,120401040501,120402040100**

Drainage area (Square miles, est.) **24**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **5,236**

of structures **1,640**

Critical facilities **5**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **10**

Roadway(s) impacted (length) **22**

Number of low water crossings **0**

Historical road closures **0**

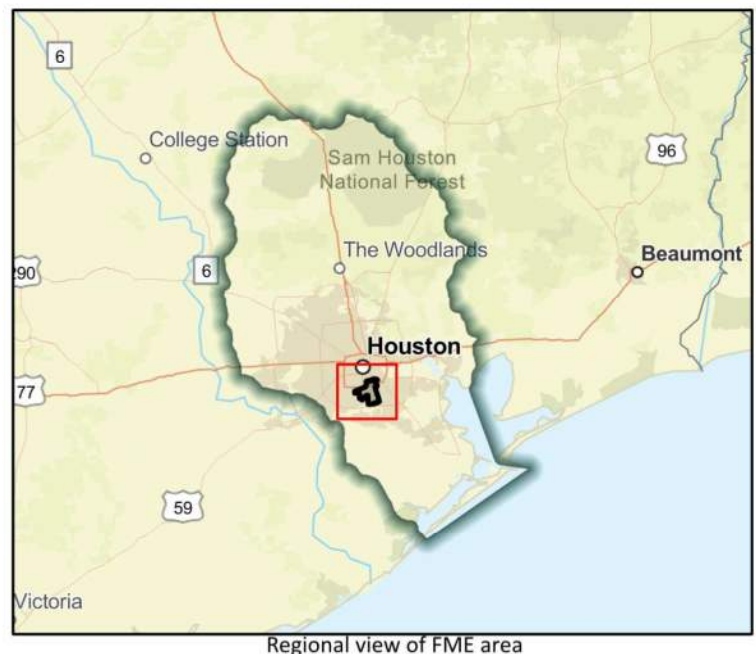
Estimated Cost and Funding Availability

Total Cost **\$30,000**

Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Willow Creek Watershed Plan - M120 Detention/Preservation Site

ID# 061000339

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop BCA to become a FMP. Pursue purchase of property for regional detention, floodplain preservation, & habitat preservation.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401020106,120401020105,120401020210

Drainage area (Square miles, est.) 11

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,443

of structures 828

Critical facilities 6

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 56

Roadway(s) impacted (length) 25

Number of low water crossings 5

Historical road closures

5

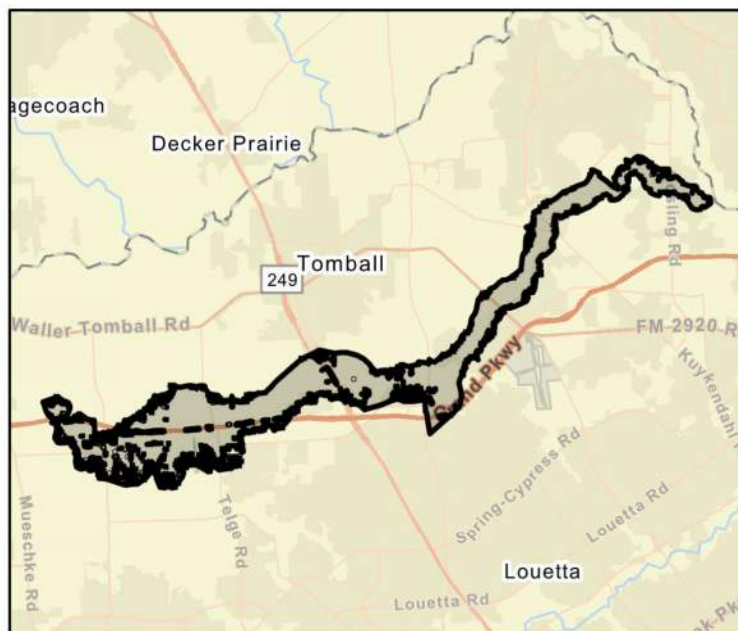
Estimated Cost and Funding Availability

Total Cost \$30,000

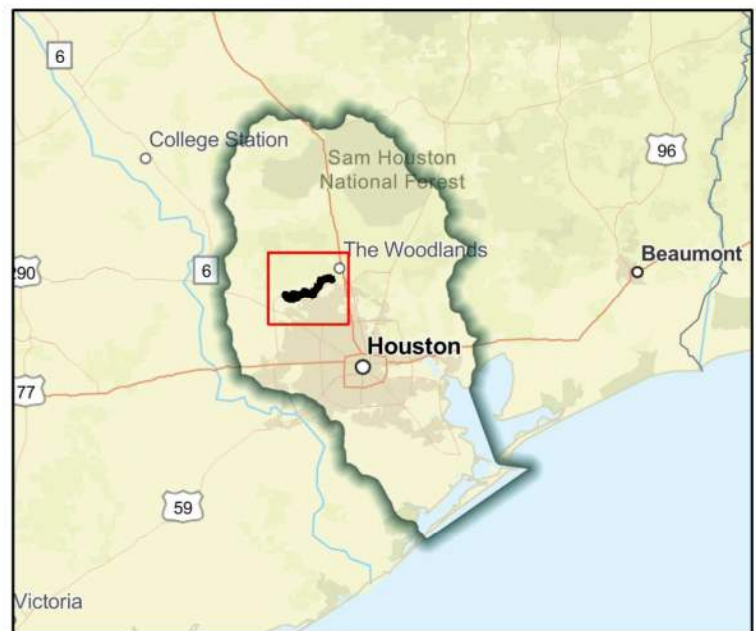
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 2018 Bond Fund



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Fort Bend County Willow Fork Channel Improvements

ID# 061000318

Sponsor (name of entity, not person) Fort Bend County Drainage District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study and BCA development. Combo of 11 different channel improvements were identified along Willow Fork and its tributaries as part of the Fort Bend County Master Drainage Plan that, when combined, will provide a 100-year level of service.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Fort Bend,Harris,Waller

Watershed HUC# (if known) 120401040102,120401040103,120401040104,120401040101,120401040

Drainage area (Square miles, est.) 46

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 1,450

of structures 404

Critical facilities 10

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 80

Roadway(s) impacted (length) 8

Number of low water crossings 2

Historical road closures 2

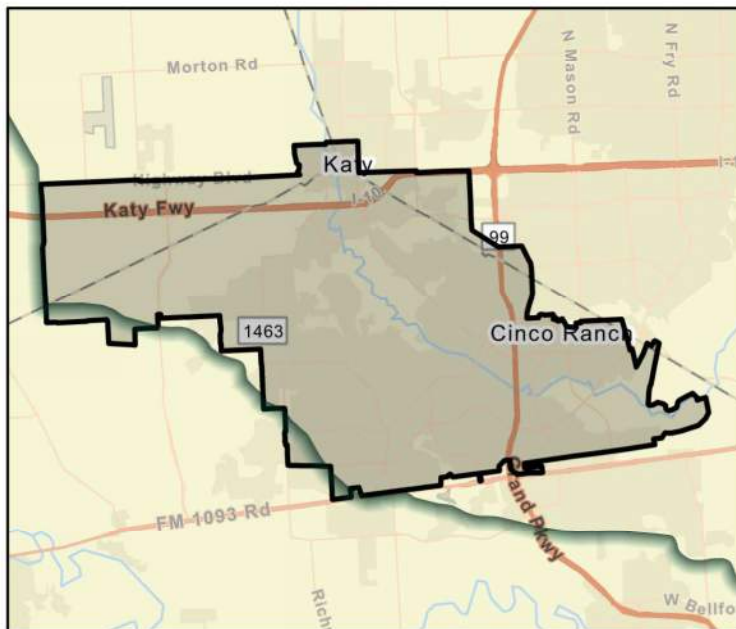
Estimated Cost and Funding Availability

Total Cost \$30,000

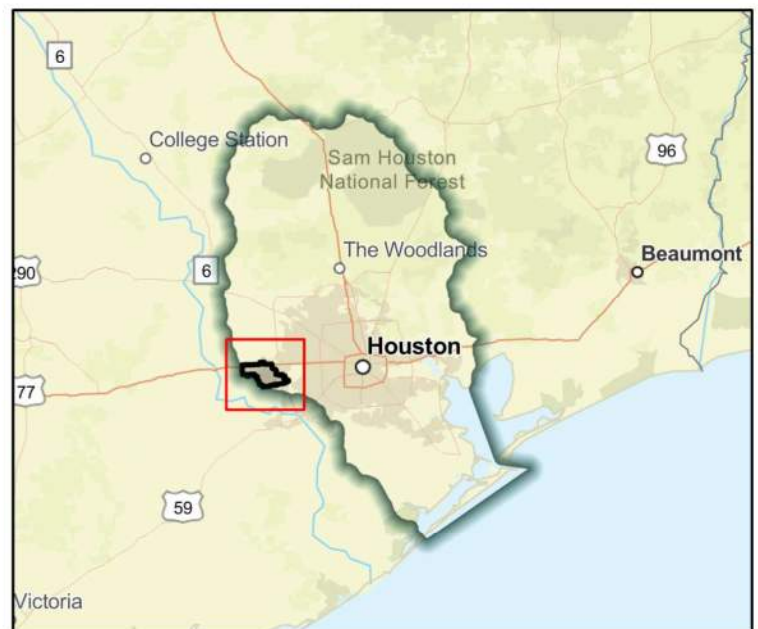
Amount of Available Funding 999999

Federal funding availability Yes

Funding source Unknown



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

REGION 6

Title Brazoria County Camp Mohawk County Park Development

ID# 061000440

Sponsor (name of entity, not person) Brazoria (County)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop Benefit Cost Analysis in support of the purchase of approximately 160 acres of flood prone area adjacent to and surrounding Camp Mohawk County Park to be used as open space.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Brazoria

Watershed HUC# (if known) 120402040300,120402040200,120402040400,120402040100

Drainage area (Square miles, est.) 1,482

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 65,547

of structures 18,848

Critical facilities 248

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 8,584

Roadway(s) impacted (length) 328

Number of low water crossings 0

Historical road closures

0

Estimated Cost and Funding Availability

Total Cost \$30,000

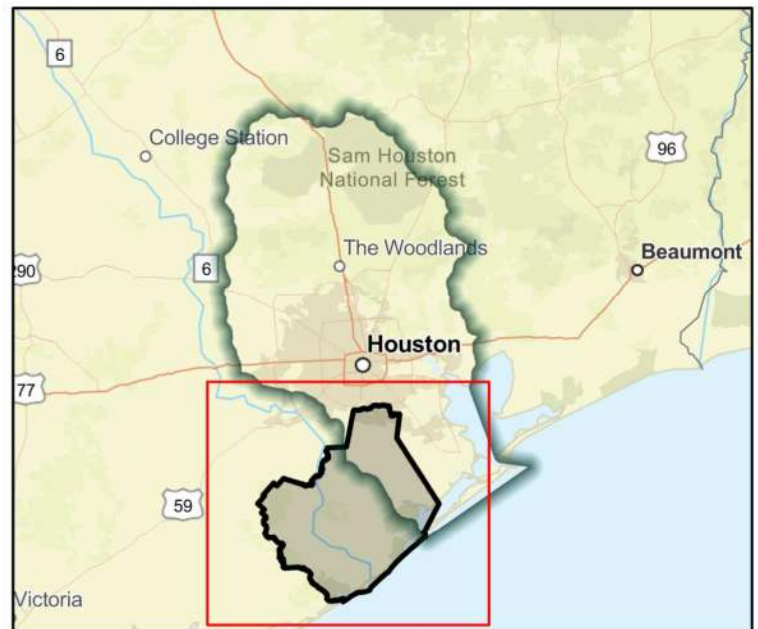
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Pasadena - Hurricane Harvey Drainage Mitigation Project 1

ID# 061000370

Sponsor (name of entity, not person) Pasadena (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study to develop & elevate project into a FMP. Previously submitted by the Flood Infrastructure Fund (FIF) but was not approved at the time. Projects included in this application will be updated to include BCA and Atlas 14 rainfall consideration.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Harris

Watershed HUC# (if known) 120401040706,120402030105,120402030106

Drainage area (Square miles, est.) 1,771

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 976,798

of structures 143,642

Critical facilities 2,332

Flood risk type: Riverine? No

Coastal? No

Local? No

Playa? No

Other? Yes

Farm/Ranch land impacted (acres) 5,993

Roadway(s) impacted (length) 2,408

Number of low water crossings 89

Historical road closures

89

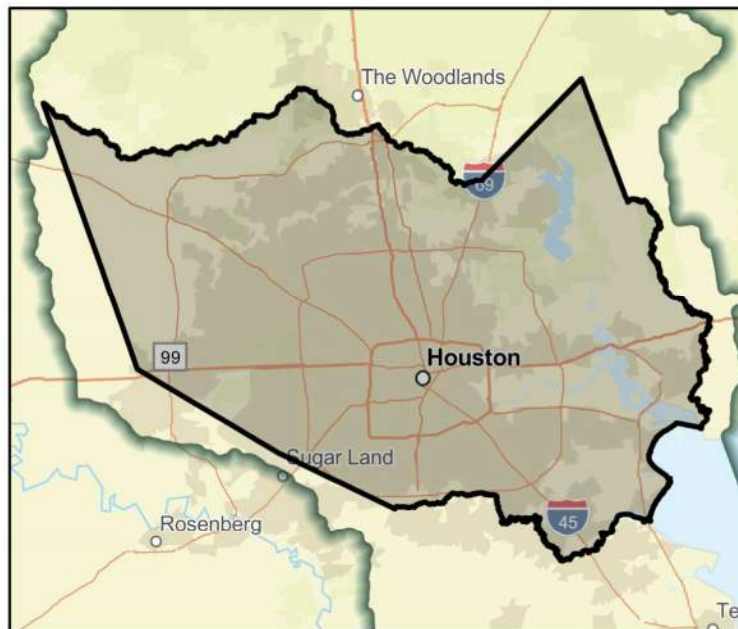
Estimated Cost and Funding Availability

Total Cost \$30,000

Amount of Available Funding 999999

Federal funding availability Yes

Funding source Unknown



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek

ID# 061000315

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a BCA needed for this project to become a FMP. This project is part of the South Mayde Creek Plan to reduce flood risk 70+ homes & reduce the rainfall event by 340+ acres in pre-Atlas 1% rainfall event.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040202,120401040104,120401040203,120401040303

Drainage area (Square miles, est.) 13

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 5,217

of structures 944

Critical facilities 21

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 19

Roadway(s) impacted (length) 16

Number of low water crossings 0

Historical road closures

0

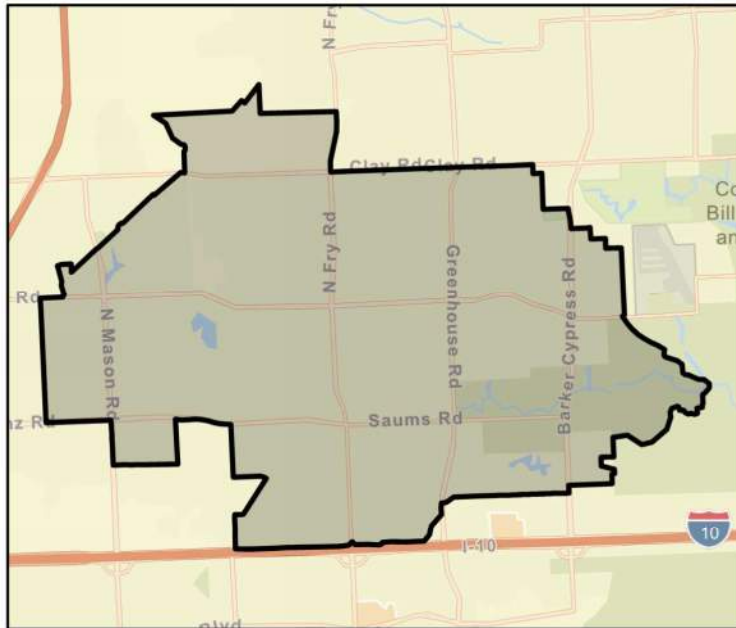
Estimated Cost and Funding Availability

Total Cost \$30,000

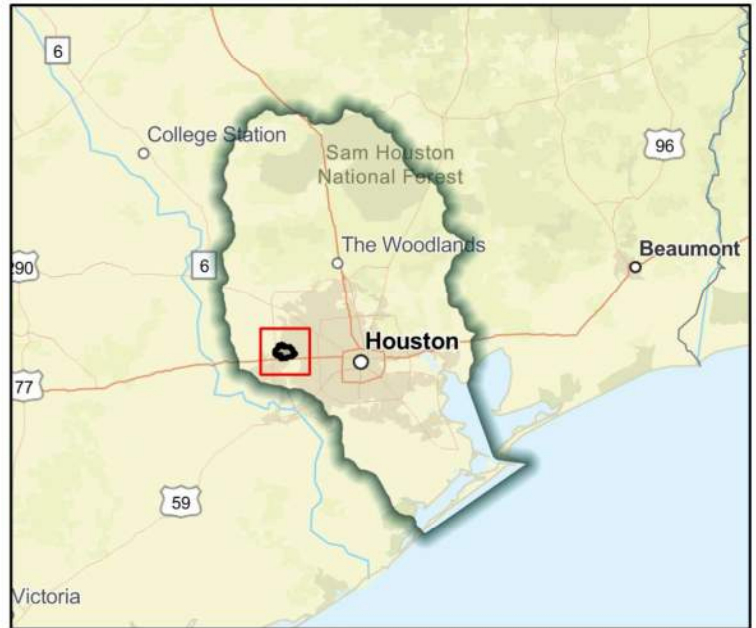
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase I

ID# 061000424

Sponsor (name of entity, not person) Friendswood (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Project Planning

Study description This project, which includes terraces, detention, and a trail network, will reduce water surface elevations on Clear Creek within the City of Friendswood and will make the Blackhawk Wastewater Treatment Facility more resilient.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Galveston,Harris

Watershed HUC# (if known) 120402040200,120402040100

Drainage area (Square miles, est.) 21

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 5,467

of structures 1,680

Critical facilities 2

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 18

Roadway(s) impacted (length) 38

Number of low water crossings 5

Historical road closures

5

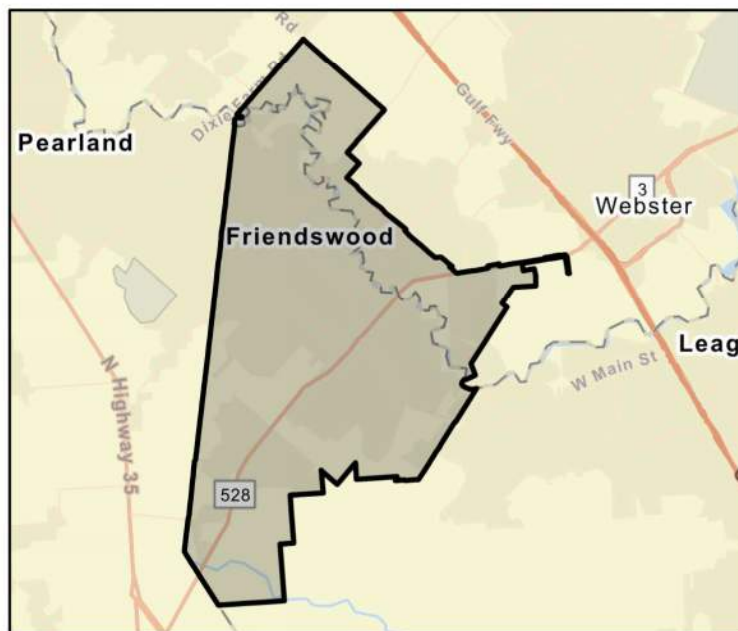
Estimated Cost and Funding Availability

Total Cost \$30,000

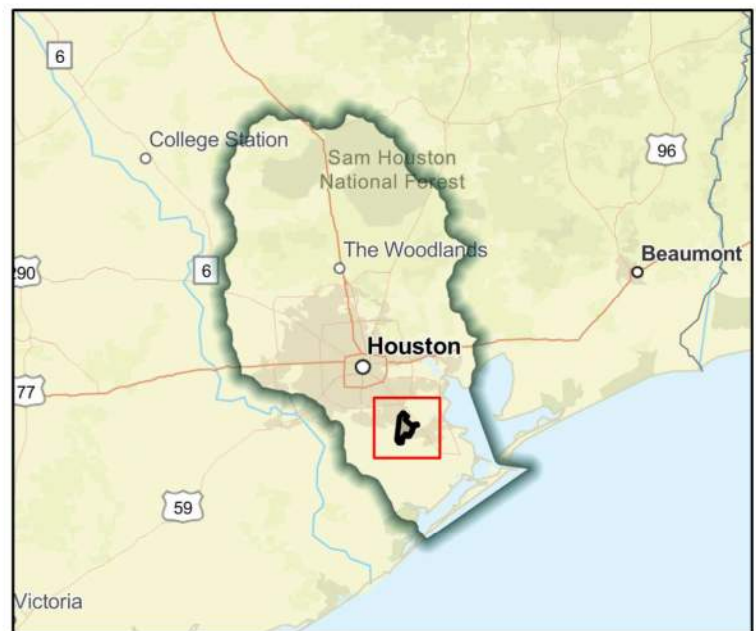
Amount of Available Funding 999999

Federal funding availability Yes

Funding source CDBG-MIT



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Manvel Rogers Rd. Drainage Improvements

ID# 061000415

Sponsor (name of entity, not person) Manvel (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study Alleluia Trail Rogers Rd & All Roads off Rogers drainage improvements, including storm sewer rehabilitation and ditch deepening.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Brazoria

Watershed HUC# (if known) 120402040100,120402040400,120402040200

Drainage area (Square miles, est.) 27

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 8,190

of structures 1,250

Critical facilities 8

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 179

Roadway(s) impacted (length) 43

Number of low water crossings 0

Historical road closures

0

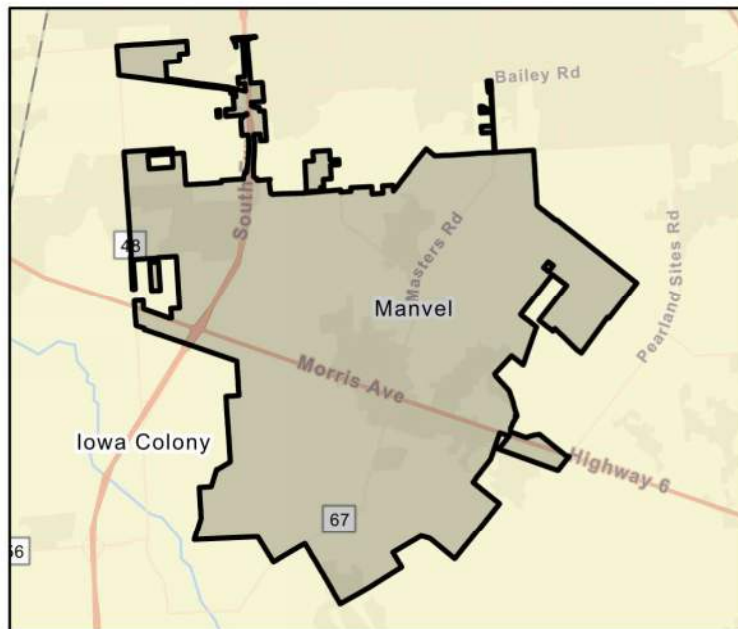
Estimated Cost and Funding Availability

Total Cost \$30,000

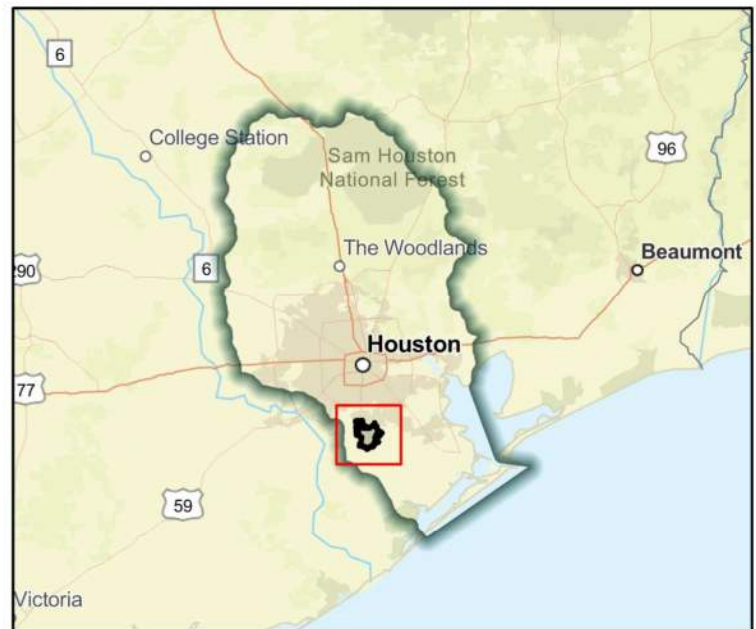
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Halls Bayou - Design and Construction of a Stormwater Detention Basin in Brock Park**

ID# **061000403**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop BCA to become a FMP. Provides additional stormwater detention in support of flood damage reduction as part of the Halls Ahead Bond Implementation Program. The project will be a partnership with the City of Houston.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040605,120401040601,120401040302,120401040604,120401040**

Drainage area (Square miles, est.) **44**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **43,171**

of structures **12,422**

Critical facilities **98**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **10**

Roadway(s) impacted (length) **122**

Number of low water crossings **7**

Historical road closures **7**

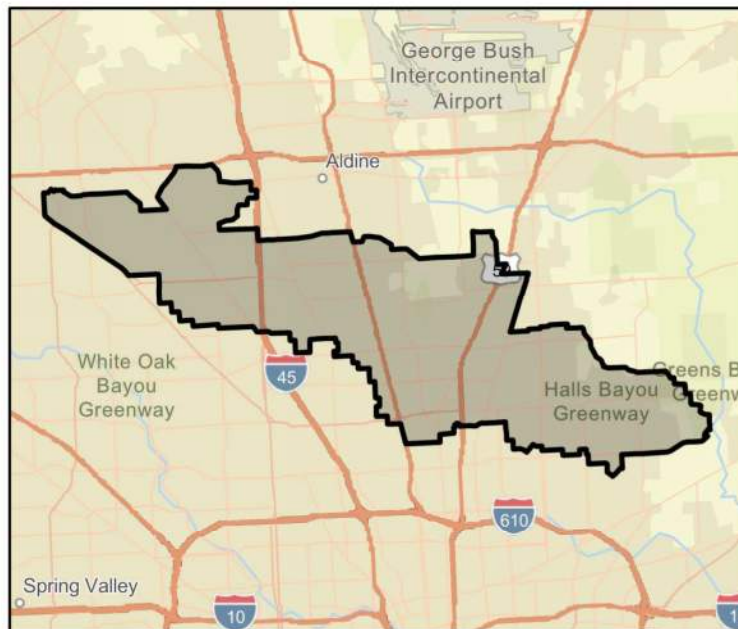
Estimated Cost and Funding Availability

Total Cost **\$30,000**

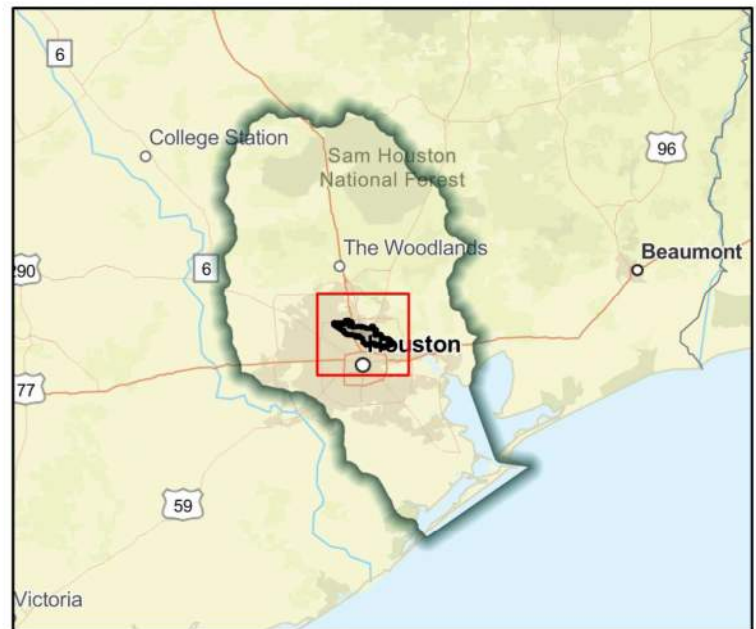
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Mary's Creek Middle Segment**

ID# **061000063**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Brazoria**

Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **4**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,861**

of structures **994**

Critical facilities **5**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **10**

Roadway(s) impacted (length) **19**

Number of low water crossings **0**

Historical road closures **0**

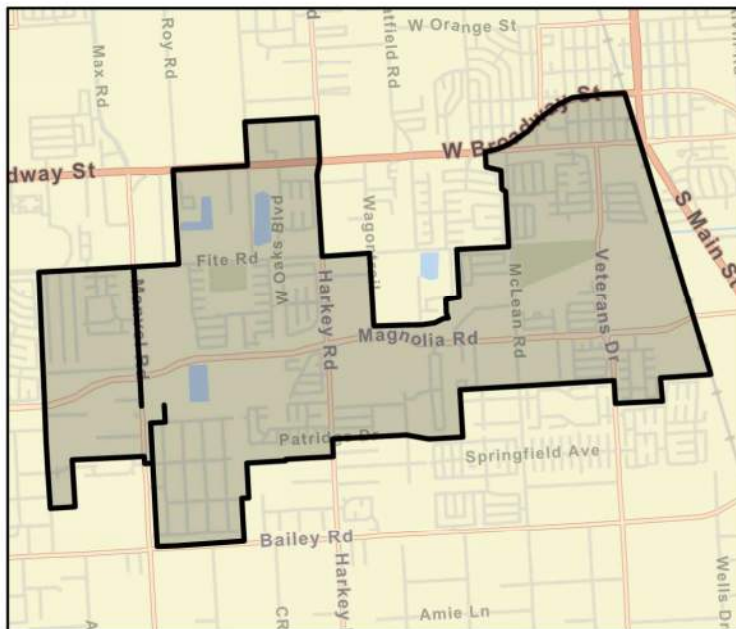
Estimated Cost and Funding Availability

Total Cost **\$240,000**

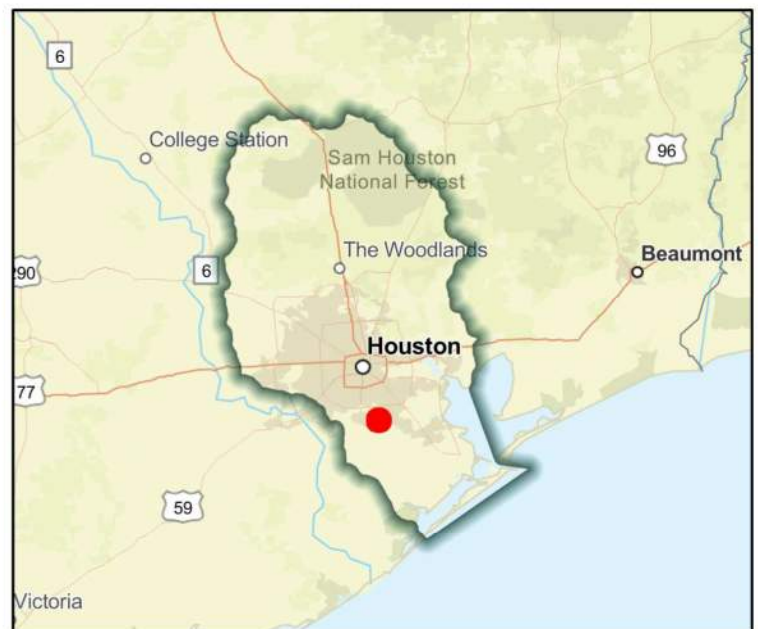
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Southside Place - Auden Street Drainage Improvement Project

ID# 061000435

Sponsor (name of entity, not person) Southside Place (Municipality)

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description This project provides for design and construction of a new stormwater conveyance system for the City of Southside Place, that will have the capacity to convey a City standard storm event (2-year storm).

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040402

Drainage area (Square miles, est.) 46

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 93,959

of structures 8,855

Critical facilities 146

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 9

Roadway(s) impacted (length) 125

Number of low water crossings 1

Historical road closures

1

Estimated Cost and Funding Availability

Total Cost \$30,000

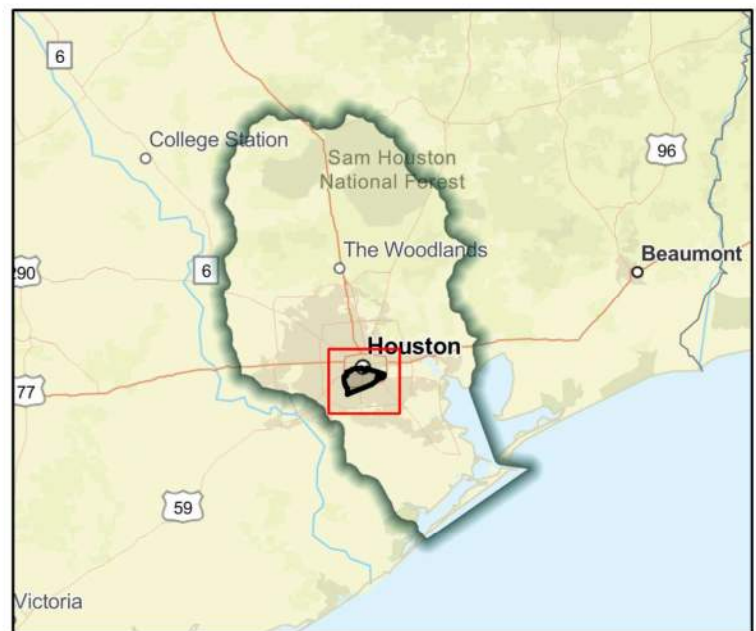
Amount of Available Funding 999999

Federal funding availability Yes

Funding source CDBG-MIT



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Greens Bayou (P100-00-00) Mid-Reach Channel Conveyance Improvements
From John F. Kennedy Blvd to Veterans Memorial Drive (Ultimate Project)

ID# 061000365

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Project Planning

Study description Study to develop a BCR required for this project to become a FMP. 2,000 ac-ft proposed Hardy stormwater detention basin and channel conveyance improvements throughout the Green's Bayou Mid-Reach (From John F. Kennedy Blvd to Veterans Memorial Drive).

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401010502,120401010501,120401020106,120401020107,120401040

Drainage area (Square miles, est.) 14

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 58,451

of structures 3,247

Critical facilities 72

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 14

Roadway(s) impacted (length) 71

Number of low water crossings 0

Historical road closures

0

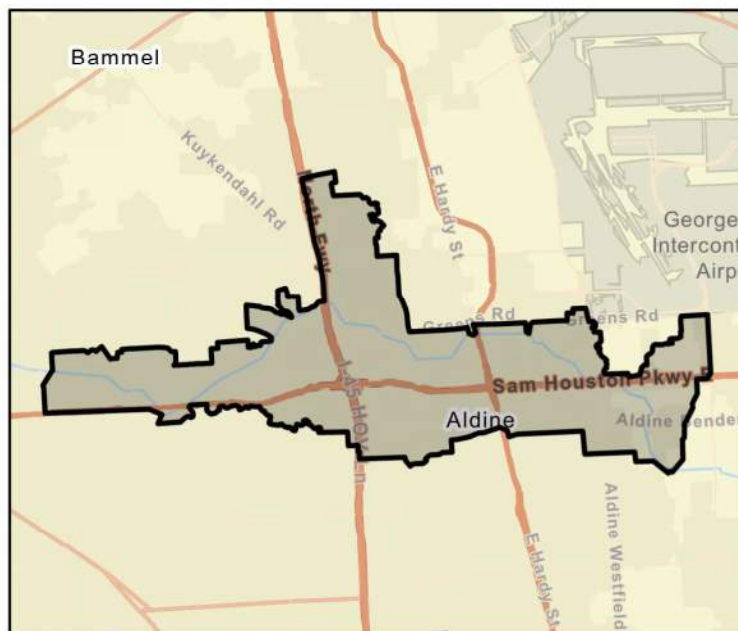
Estimated Cost and Funding Availability

Total Cost \$30,000

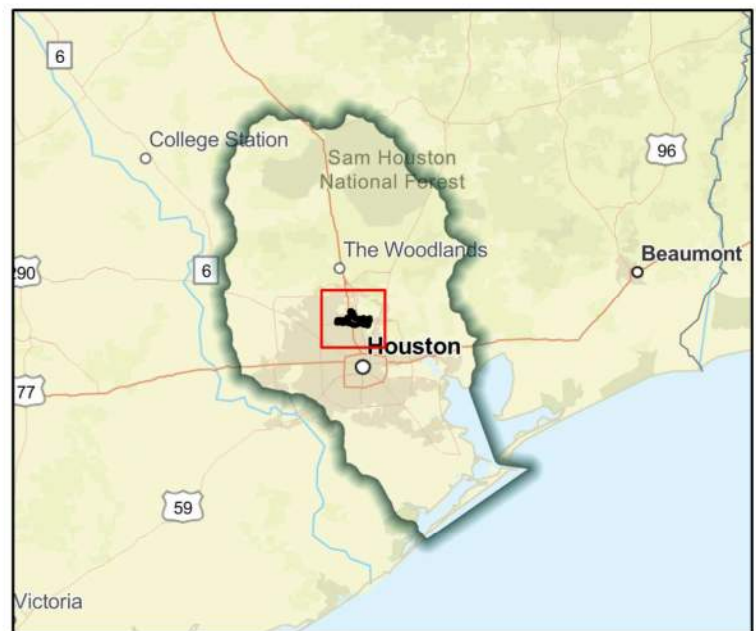
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Goose Creek Flood Risk Reduction Phase 2**

ID# **061000335**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. 1.00 Mile of Goose Creek channel modifications (Upstream of IH 10) with proposed detention basin "I".**

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

County **Harris** Watershed HUC# (if known) **120401040705,120401040706**

Drainage area (Square miles, est.) **35** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **9,371** # of structures **1,883** Critical facilities **64**

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

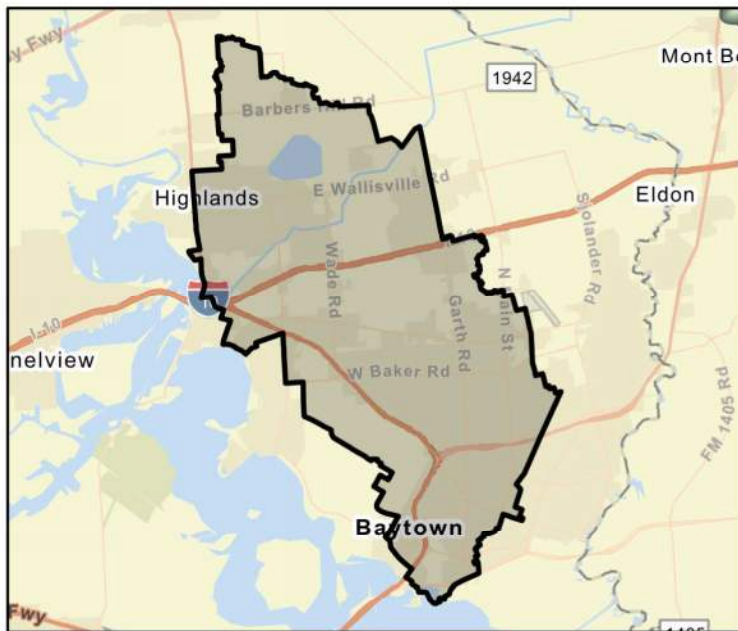
Farm/Ranch land impacted (acres) **73** Roadway(s) impacted (length) **33**

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

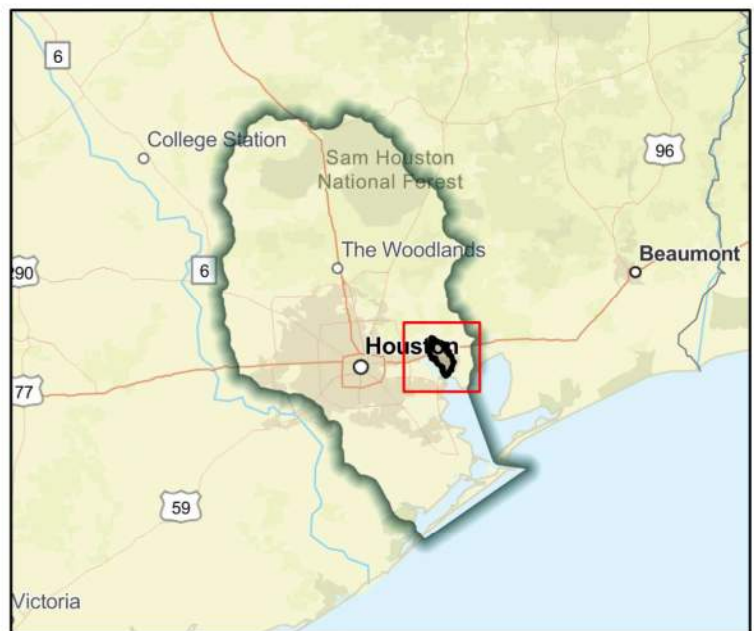
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **999999** Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Goose Creek Flood Risk Reduction Phase 3**

ID# **061000336**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Local channel modifications and crossing structure improvements along O117 and O126.**

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

County **Harris** Watershed HUC# (if known) **120401040705**

Drainage area (Square miles, est.) **35** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **9,371** # of structures **1,883** Critical facilities **64**

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

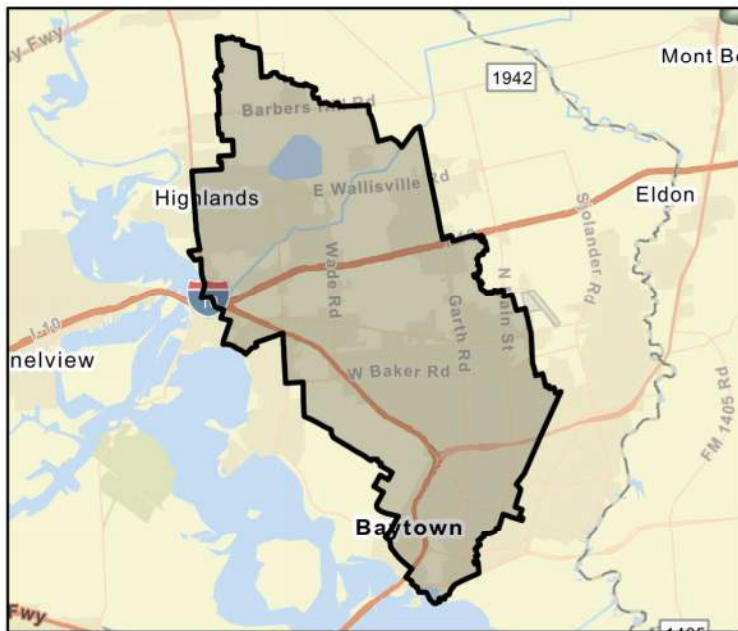
Farm/Ranch land impacted (acres) **73** Roadway(s) impacted (length) **33**

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

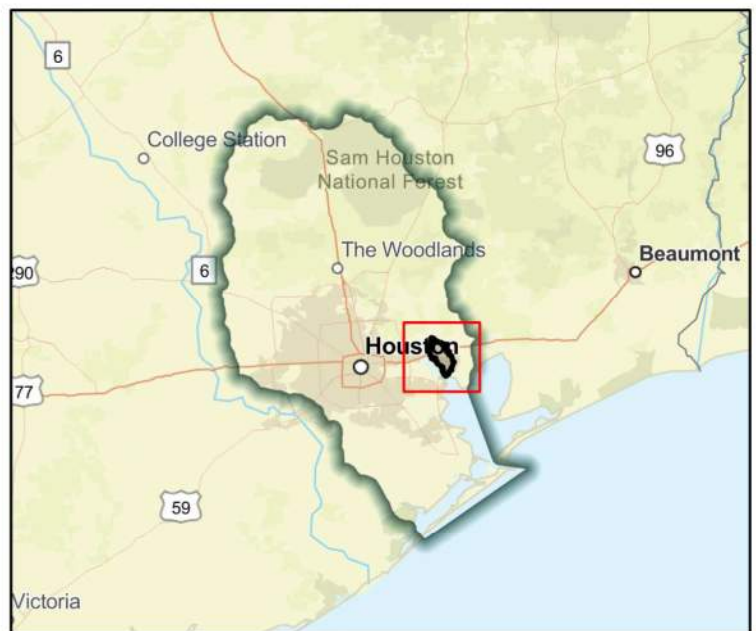
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **999999** Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00**

ID# **061000396**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 60+ structures & floodplain by 40+ acres.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040605,120401040601,120401040302,120401040604,120401040**

Drainage area (Square miles, est.) **6**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **12,360**

of structures **3,555**

Critical facilities **35**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **2**

Roadway(s) impacted (length) **29**

Number of low water crossings **1**

Historical road closures **1**

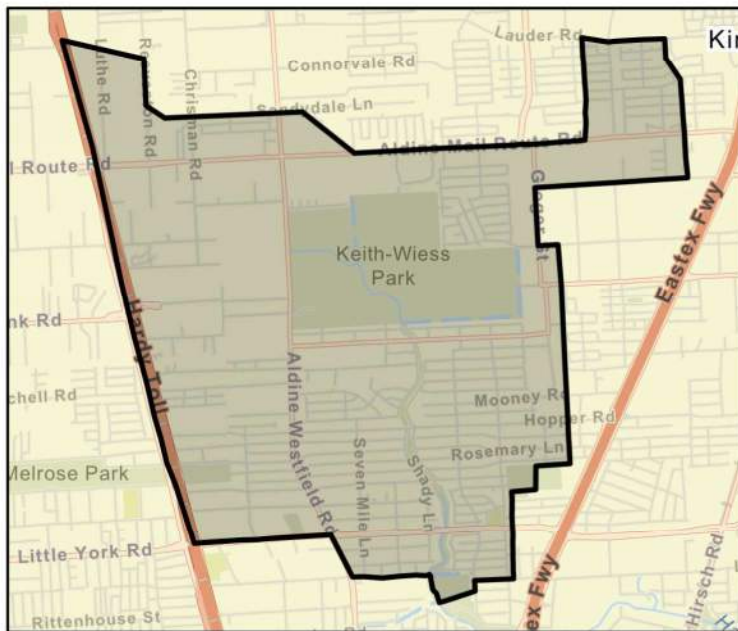
Estimated Cost and Funding Availability

Total Cost **\$30,000**

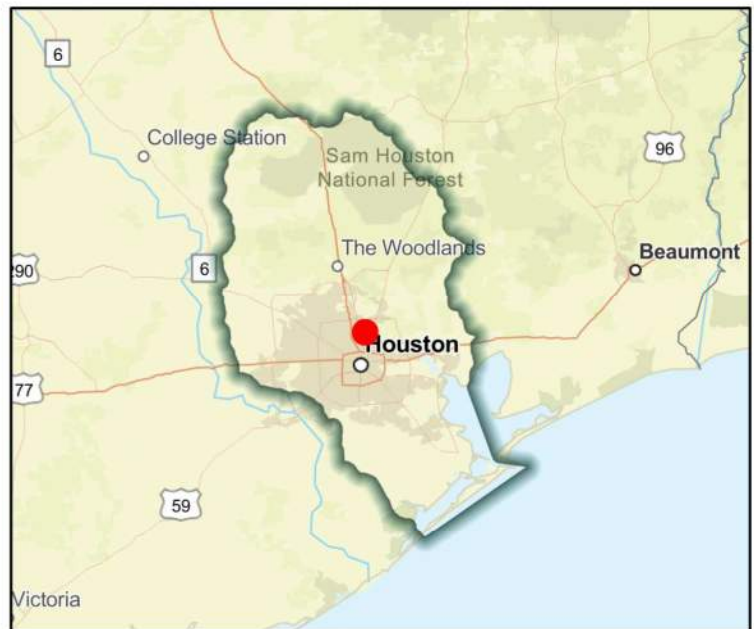
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction

ID# 061000328

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a BCR required for this project to become a FMP. A project could reduce the risk flooding for over 2,500 structures and could reduce the frequency and duration of flooding along about 100 miles of roadway.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Fort Bend,Harris

Watershed HUC# (if known) 120401040401

Drainage area (Square miles, est.) 23

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 30,383

of structures 2,549

Critical facilities 27

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 3

Roadway(s) impacted (length) 39

Number of low water crossings 0

Historical road closures

0

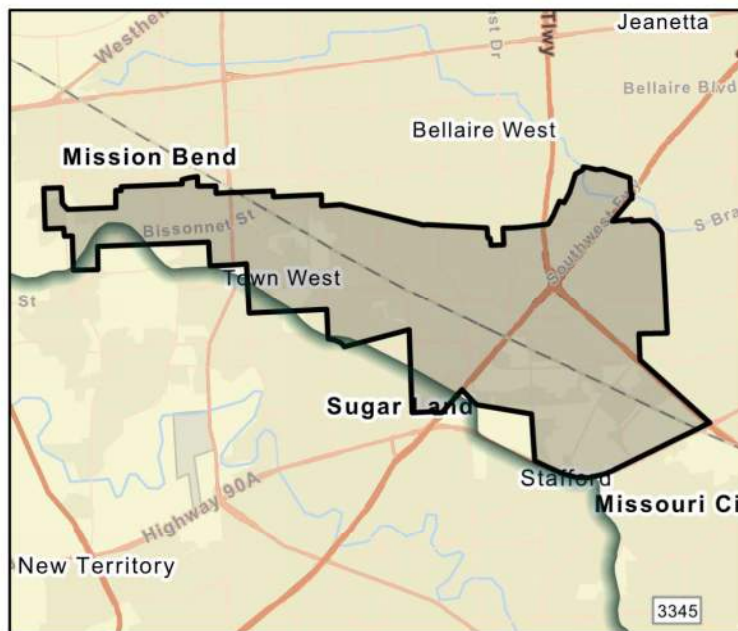
Estimated Cost and Funding Availability

Total Cost \$30,000

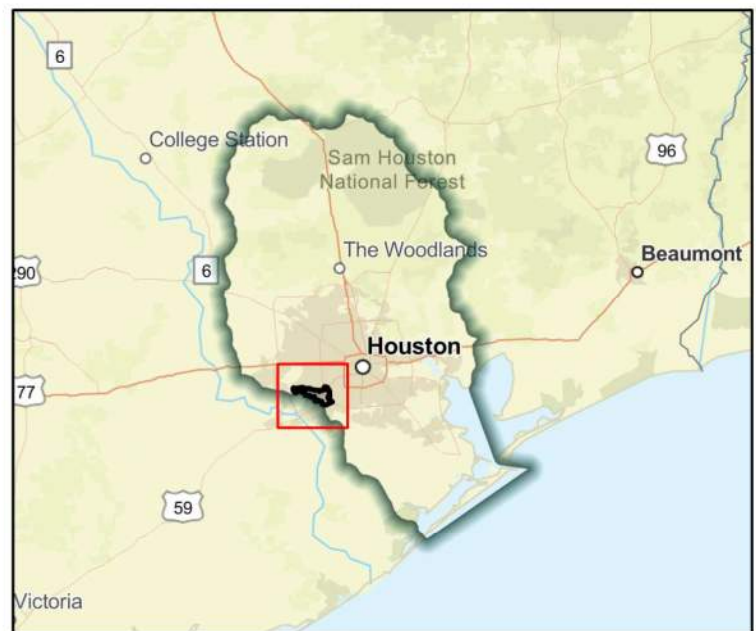
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Danubina Drainage Improvements**

ID# **061000422**

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

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to further this project and develop an FMP. This CDBG-MIT application involves the installation and construction of various storm sewer and detention infrastructure.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **No**

County **Chambers,Harris**

Watershed HUC# (if known) **120402030106**

Drainage area (Square miles, est.) **48**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,324**

of structures **550**

Critical facilities **7**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **98**

Roadway(s) impacted (length) **14**

Number of low water crossings **0**

Historical road closures **0**

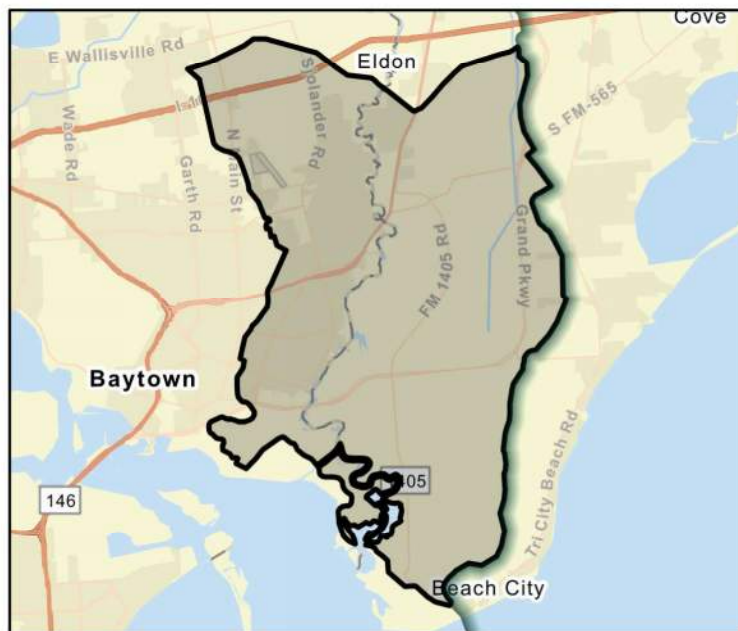
Estimated Cost and Funding Availability

Total Cost **\$30,000**

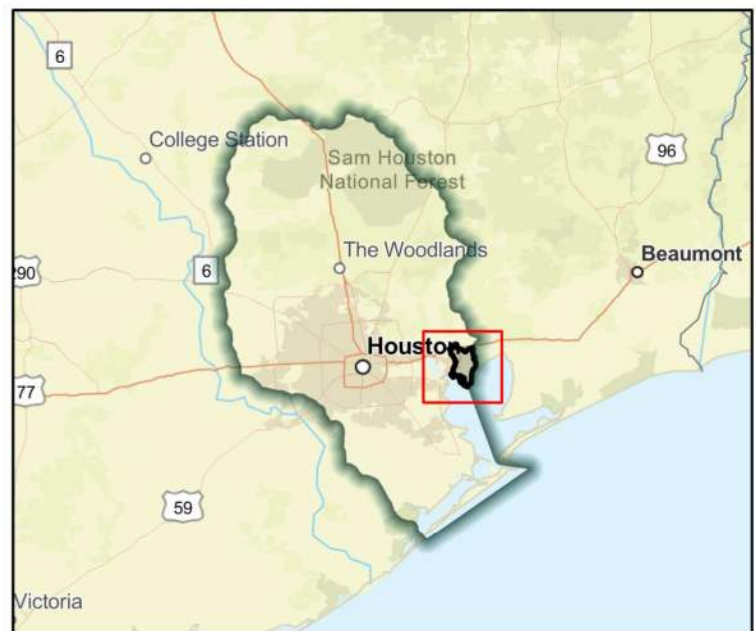
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **CDBG-MIT**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Halls Bayou Drainage Project Bond C-01**

ID# **061000355**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040605,120401040601,120401040302,120401040604,120401040**

Drainage area (Square miles, est.) **6**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **10,940**

of structures **3,188**

Critical facilities **13**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **Yes**

Farm/Ranch land impacted (acres) **0**

Roadway(s) impacted (length) **32**

Number of low water crossings **1**

Historical road closures **1**

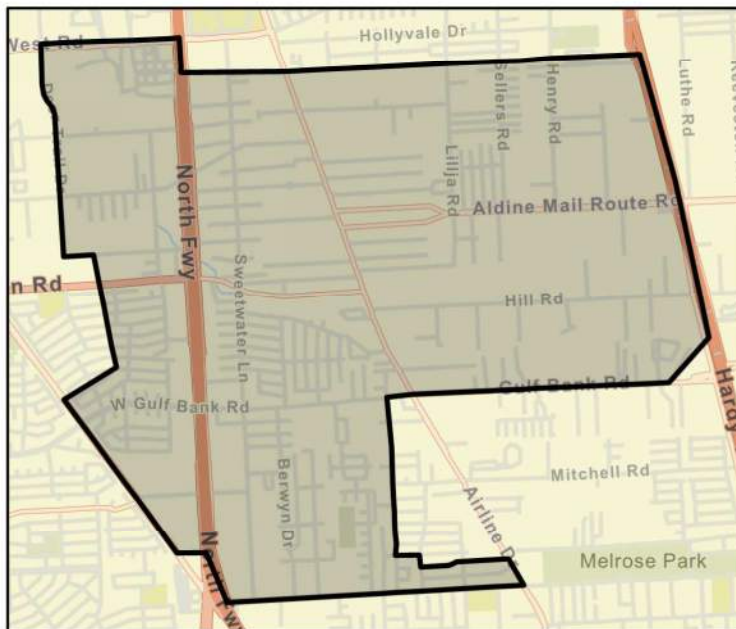
Estimated Cost and Funding Availability

Total Cost **\$30,000**

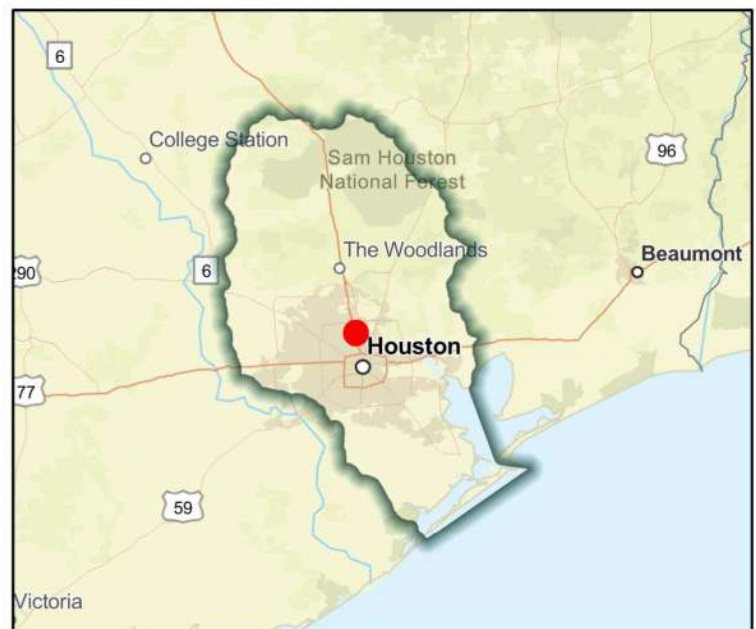
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **Unknown**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01

ID# 061000399

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Project Planning

Study description Study to develop a BCR required for this project to become a FMP. Would reduce flood risk for 600+ structures. Facilitates future drainage projects by more outfall depth.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040605,120401040601,120401040302,120401040604,120401040

Drainage area (Square miles, est.) 6

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 10,940

of structures 3,188

Critical facilities 13

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length) 32

Number of low water crossings 1

Historical road closures

1

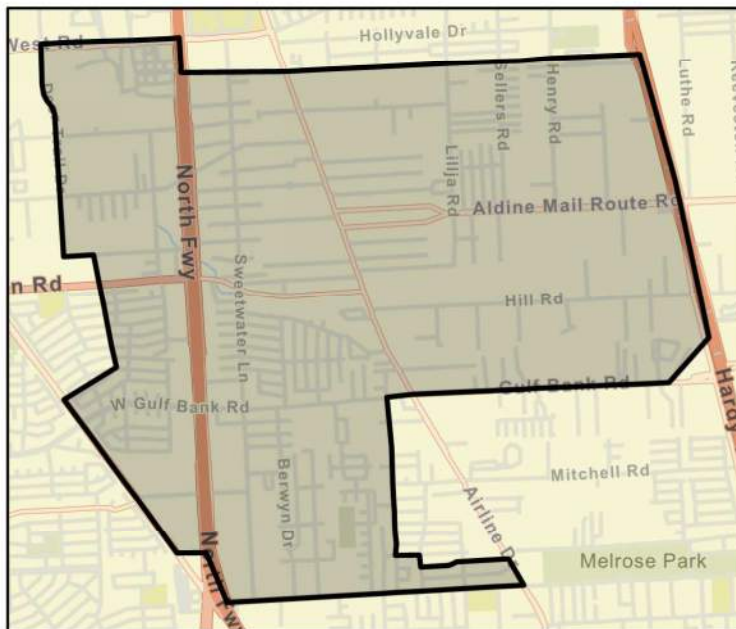
Estimated Cost and Funding Availability

Total Cost \$30,000

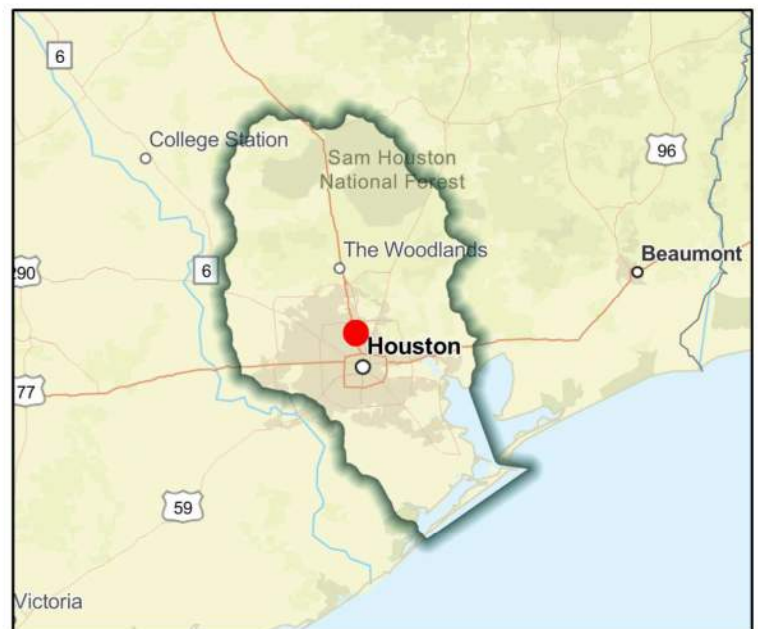
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00**

ID# **061000400**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 150+ structures, size of the floodplain by 90+ acres, frequency & duration of flooding along 3+ miles of roadway in an Atlas 14 1% event.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040605,120401040601,120401040302,120401040604,120401040**

Drainage area (Square miles, est.) **6**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **10,940**

of structures **3,188**

Critical facilities **13**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **0**

Roadway(s) impacted (length) **32**

Number of low water crossings **1**

Historical road closures **1**

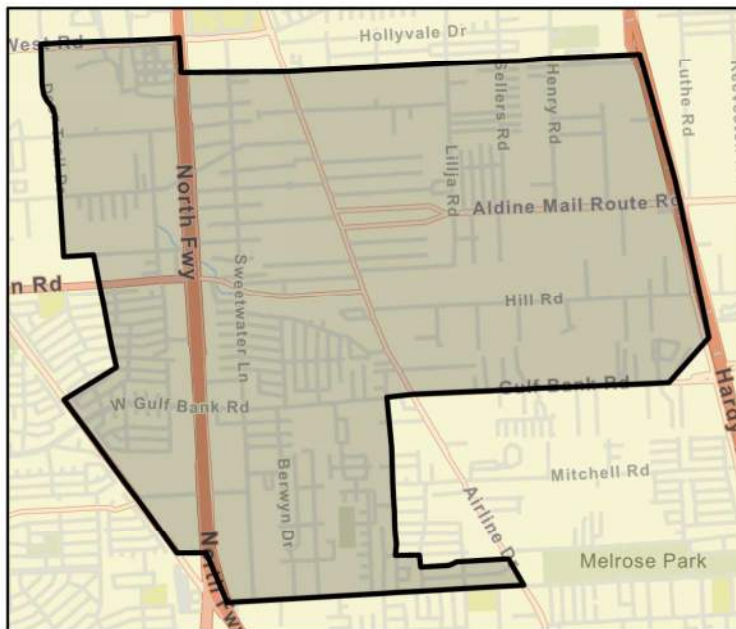
Estimated Cost and Funding Availability

Total Cost **\$30,000**

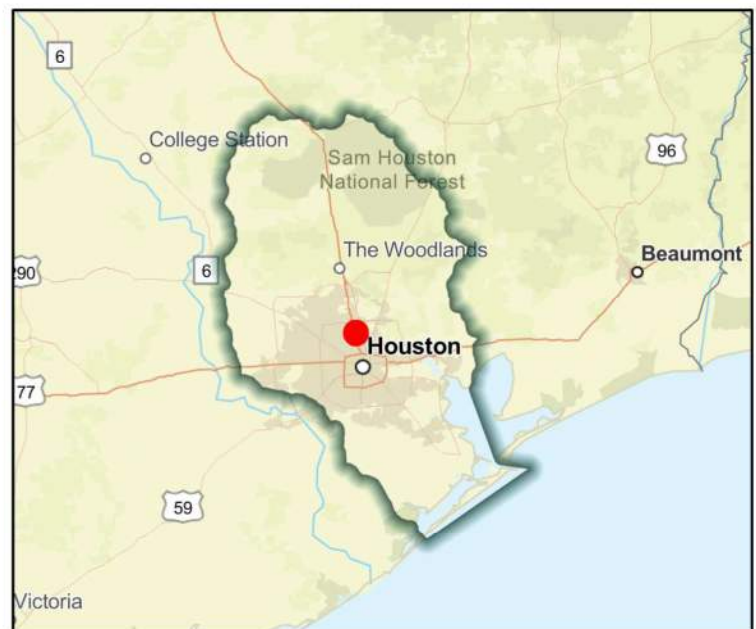
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Blalock Road Drainage Improvement Project**

ID# **061000327**

Sponsor (name of entity, not person) **Piney Point Village (Municipality)**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to further the proposed project that includes increasing the capacity of the drainage system with a 9'x9' RCB to replace dual 36-inch RCP along the east side of the road and an open ditch with driveway culverts on the west side of the road.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **No**

County **Harris**

Watershed HUC# (if known) **120401040302,120401040303**

Drainage area (Square miles, est.) **7**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **365**

of structures **35**

Critical facilities **1**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **999,999**

Roadway(s) impacted (length) **0**

Number of low water crossings **0**

Historical road closures **0**

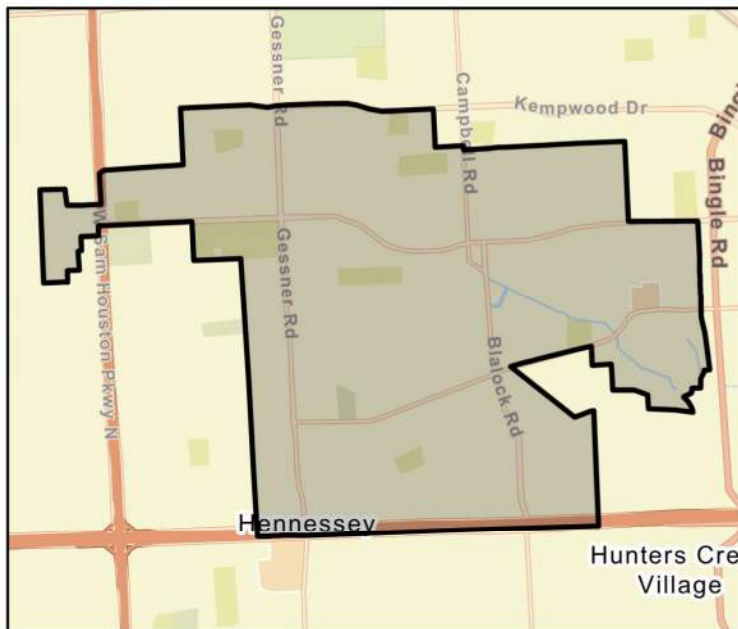
Estimated Cost and Funding Availability

Total Cost **\$30,000**

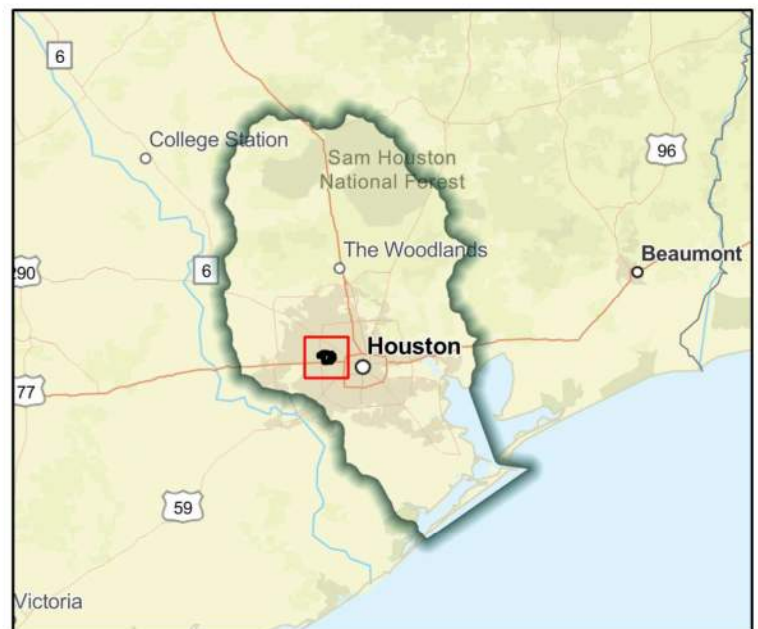
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **CDBG-MIT**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Sawdust Road Bridge Elevation Project**

ID# **061000426**

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

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of study, design, elevation, & replacement of the Sawdust Road Bridge to mitigate the risks associated with riverine flooding for the citizens residing in the Grogan's Point and Timberlakes - Timberridge Subdivisions.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **No**

County **Harris, Montgomery**

Watershed HUC# (if known) **120401010402,120401010404,120401020107,120401020210,120401020**

Drainage area (Square miles, est.) **33**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **5,042**

of structures **794**

Critical facilities **5**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **15**

Roadway(s) impacted (length) **18**

Number of low water crossings **0**

Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$30,000**

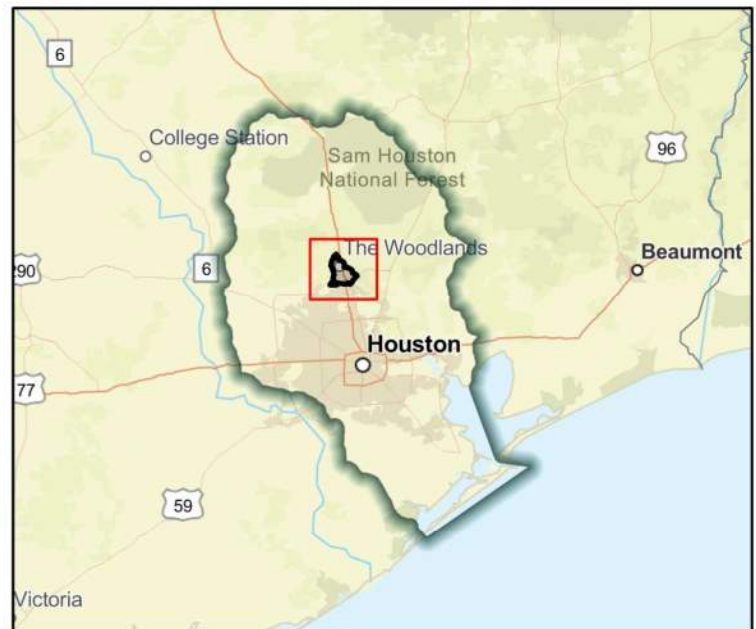
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **CDBG-MIT**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

REGION 6

Title TC Jester Detention Basin

ID# 061000353

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of a 25 acre stormwater detention basin. Estimated construction cost is \$10,047,910. This application is requesting \$10,000,000.00 of these funds.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401020106,120401020107,120401020210,120401020212,120401020

Drainage area (Square miles, est.) 93

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 18,540

of structures 2,995

Critical facilities 53

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 44

Roadway(s) impacted (length) 60

Number of low water crossings 4

Historical road closures

4

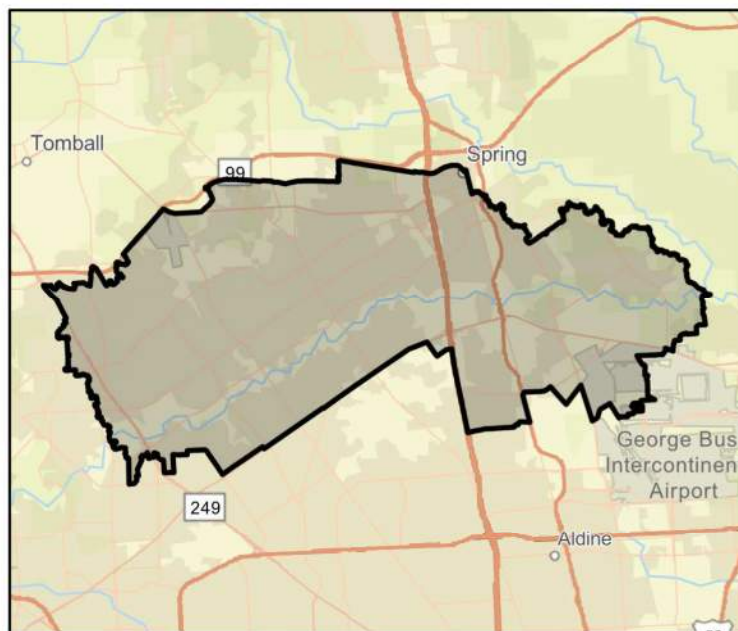
Estimated Cost and Funding Availability

Total Cost \$30,000

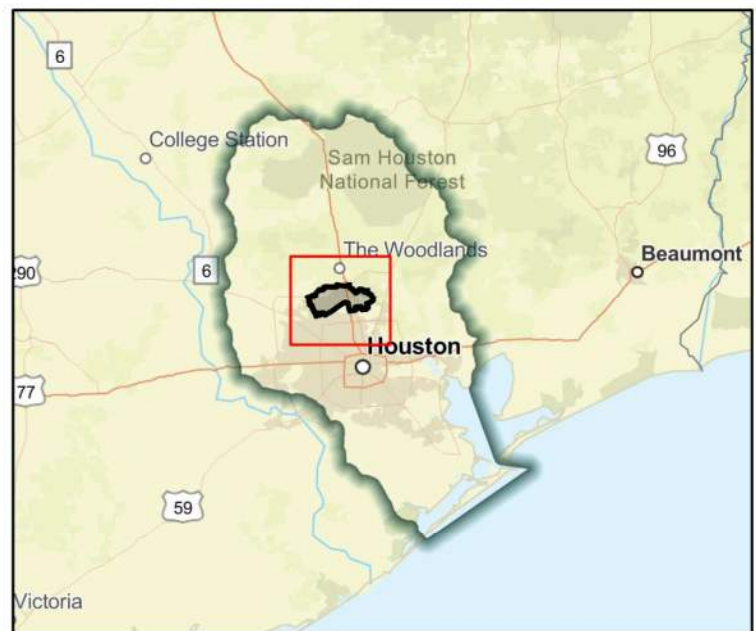
Amount of Available Funding 999999

Federal funding availability Yes

Funding source CDBG-MIT



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Westador Stormwater Detention Basin**

ID# **061000356**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this project to become a FMP. The Westador Detention Basin is a proposed detention mitigation project within the Cypress Creek Watershed and located south of Cypress Creek and east and west of K141-00-00.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401020106,120401020107,120401020210,120401020212,120401020**

Drainage area (Square miles, est.) **93**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **18,540**

of structures **2,995**

Critical facilities **53**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **44**

Roadway(s) impacted (length) **60**

Number of low water crossings **4**

Historical road closures **4**

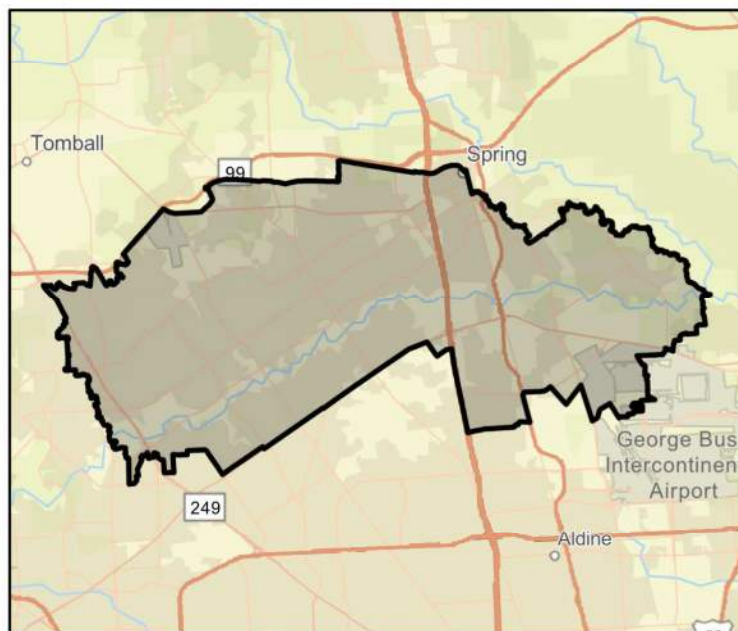
Estimated Cost and Funding Availability

Total Cost **\$30,000**

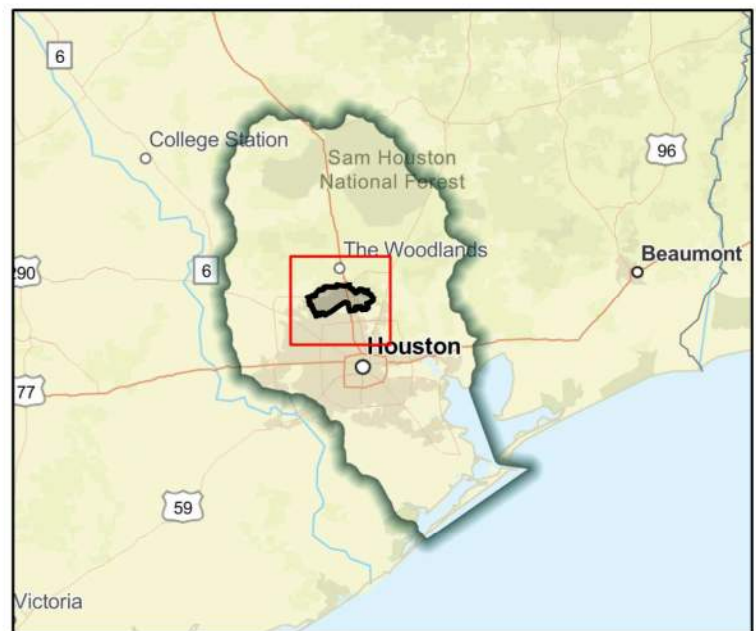
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **CDBG-MIT**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **G103-38-00 (Kingwood Diversion Ditch)**

ID# **061000360**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this to become a FMP. Improvements to the Kingwood Diversion Ditch include channel modifications, flow diversion from Bens Branch, bridge replacements, as well as a new outfall to the West Fork San Jacinto River.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris, Montgomery**

Watershed HUC# (if known) **120401010501,120401010404,120401030110,120401030402**

Drainage area (Square miles, est.) **27**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **17,400**

of structures **3,464**

Critical facilities **54**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **9**

Roadway(s) impacted (length) **61**

Number of low water crossings **2**

Historical road closures **2**

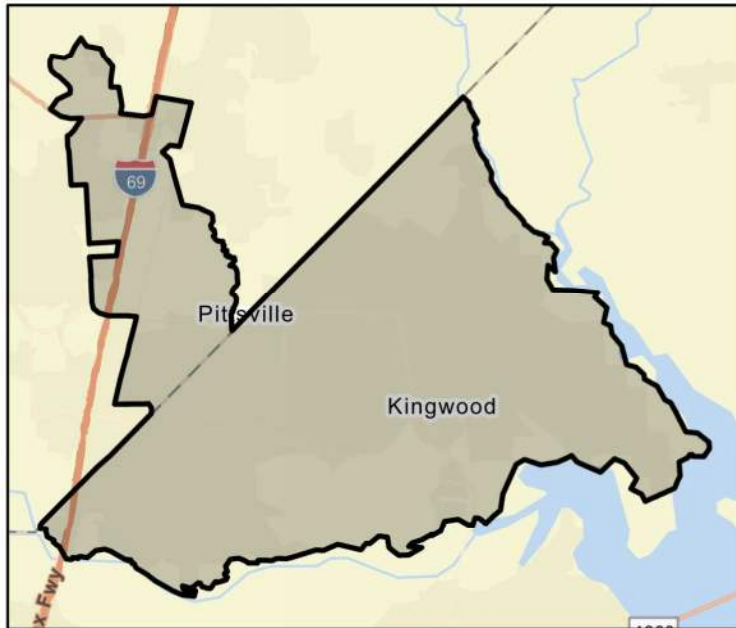
Estimated Cost and Funding Availability

Total Cost **\$30,000**

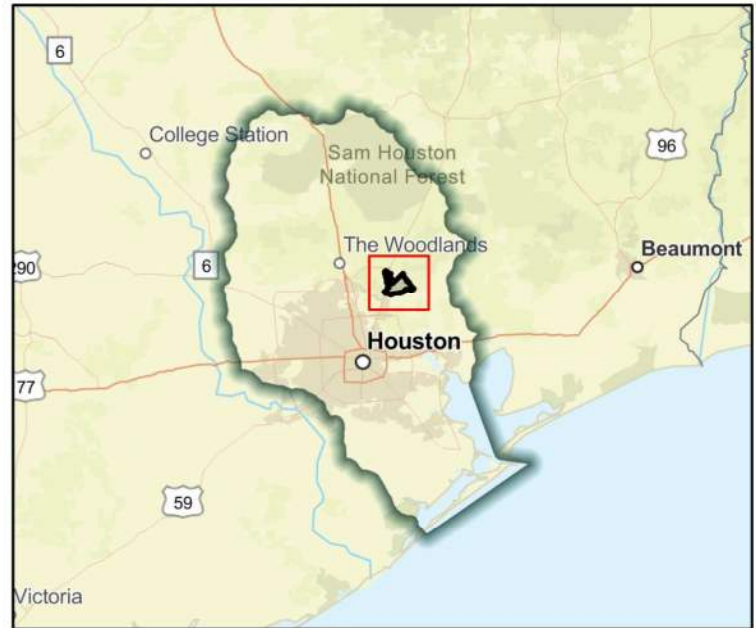
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **G103-80-03.1B (Taylor Gully)**

ID# **061000361**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this project to become a FMP. Improvements to Taylor Gully include two miles of channel conveyance improvements to the upper limits of Taylor Gully and a concrete low flow structure.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401010501,120401010404,120401030110,120401030402**

Drainage area (Square miles, est.) **22**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **16,230**

of structures **3,223**

Critical facilities **47**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **9**

Roadway(s) impacted (length) **58**

Number of low water crossings **2**

Historical road closures **2**

Estimated Cost and Funding Availability

Total Cost **\$30,000**

Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Hostetter and Gourd Creek Bridges Elevation Evaluation

ID# 061000130

Sponsor (name of entity, not person) Walker (County)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study to elevate and install culverts on Hostetter and Gourd Creek roadways to prevent flooding and/or flood damage on roadway.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Montgomery, San Jacinto, Walker

Watershed HUC# (if known) 120401010202, 120401010204, 120401030101, 120401030301, 120401030

Drainage area (Square miles, est.) 76

Goal(s) 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk 1,900

of structures 1,169

Critical facilities 0

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 25

Roadway(s) impacted (length) 10

Number of low water crossings 2

Historical road closures

2

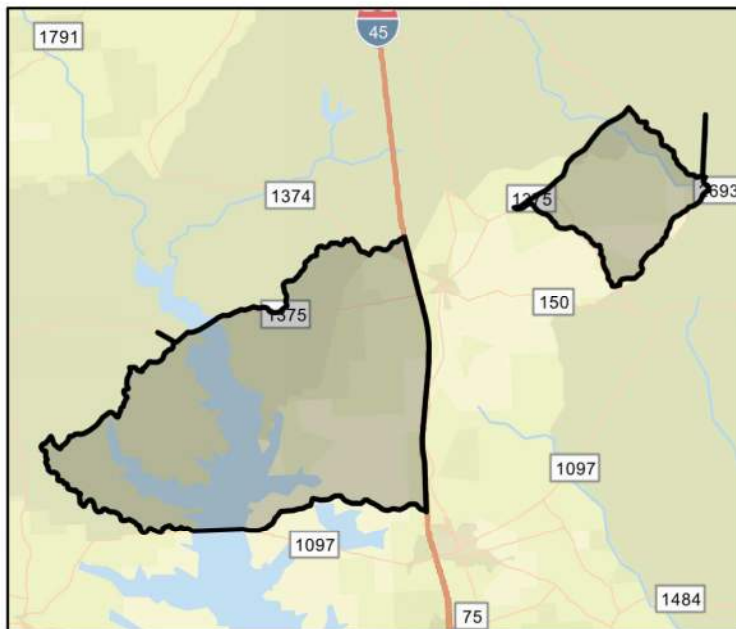
Estimated Cost and Funding Availability

Total Cost \$130,000

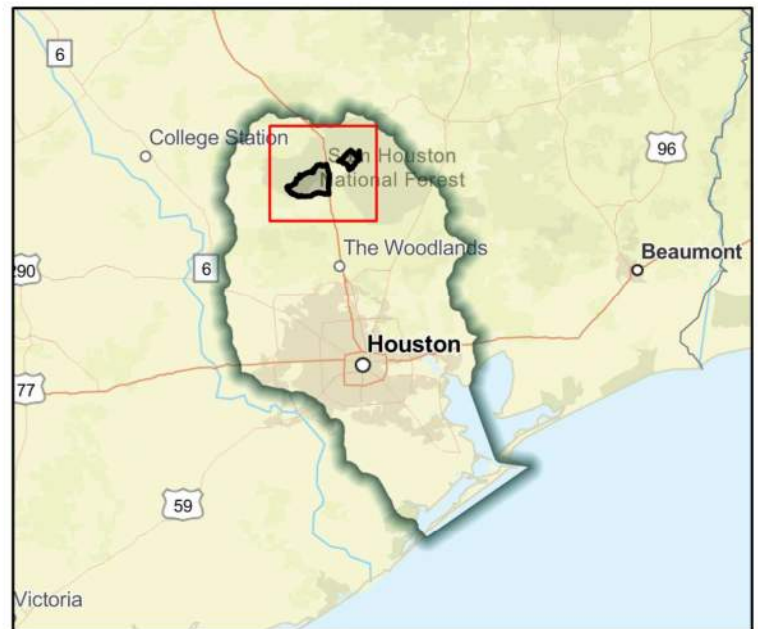
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Brays Bayou - Poor Farm Ditch

ID# 061000186

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a BCR and elevate project to a FMP. Further study of channel improvements from partnership project to restore channel conveyance including Atlas 14 rainfalls.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040402

Drainage area (Square miles, est.) 3

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 25,842

of structures 3,295

Critical facilities 34

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length) 37

Number of low water crossings 0

Historical road closures

0

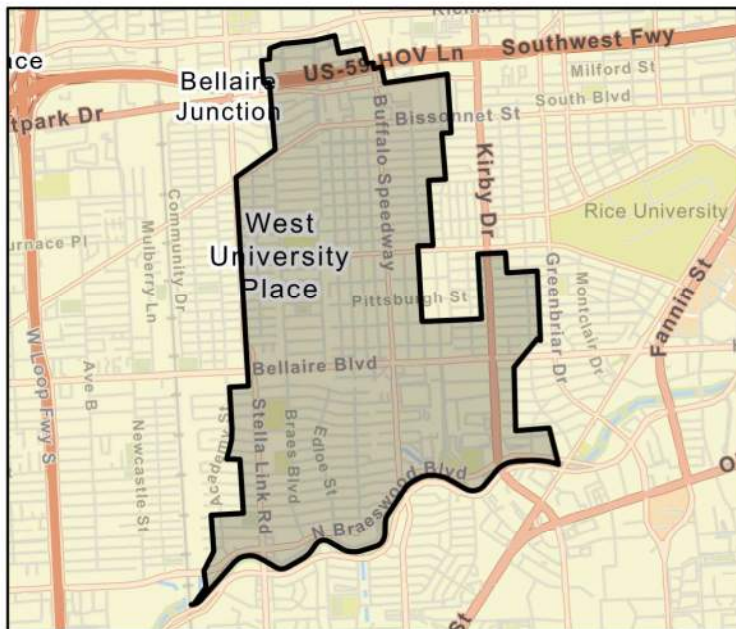
Estimated Cost and Funding Availability

Total Cost \$690,000

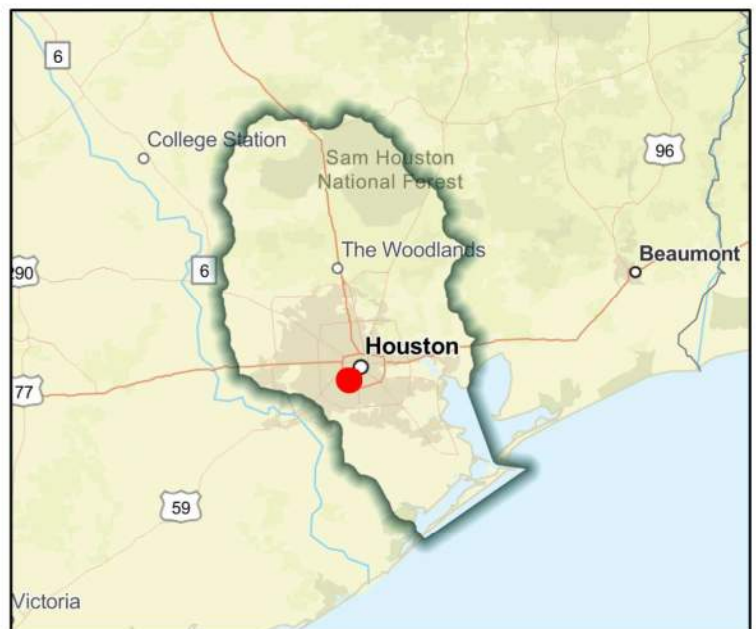
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **I100-WP06 for Vince Bayou Watershed Planning Project**

ID# **061000329**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, design, and construction of a stormwater detention basin and schannel widening near Strawberry Road and Young Street.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040703,120401040502,120402040100**

Drainage area (Square miles, est.) **4**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,153**

of structures **948**

Critical facilities **8**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **2**

Roadway(s) impacted (length) **14**

Number of low water crossings **1**

Historical road closures **1**

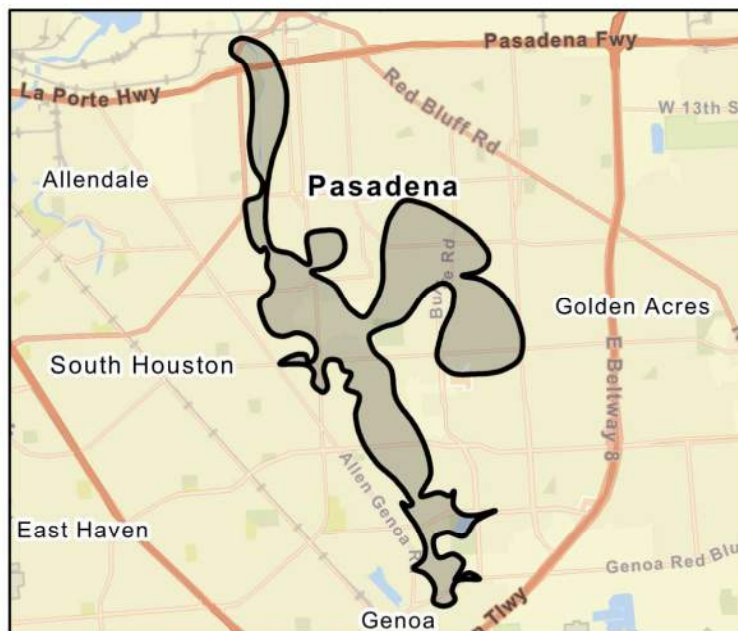
Estimated Cost and Funding Availability

Total Cost **\$30,000**

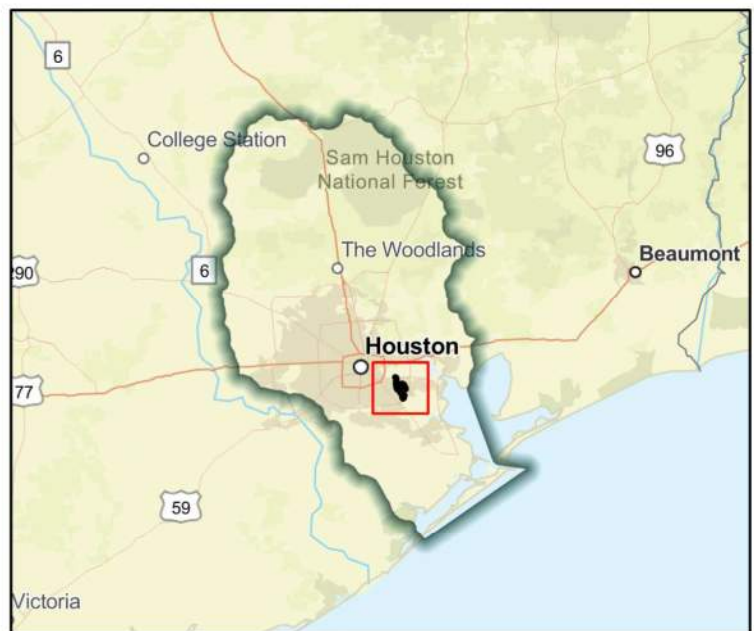
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title I100-WP10 for Vince Bayou Watershed Planning Project

ID# 061000330

Sponsor (name of entity, not person) Harris (County)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, Design, and Construction of Two Stormwater Detention Basins near Westside Dr. and Westside. Ct.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040703,120401040502,120402040100

Drainage area (Square miles, est.) 4

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 4,153

of structures 948

Critical facilities 8

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 2

Roadway(s) impacted (length) 14

Number of low water crossings 1

Historical road closures

1

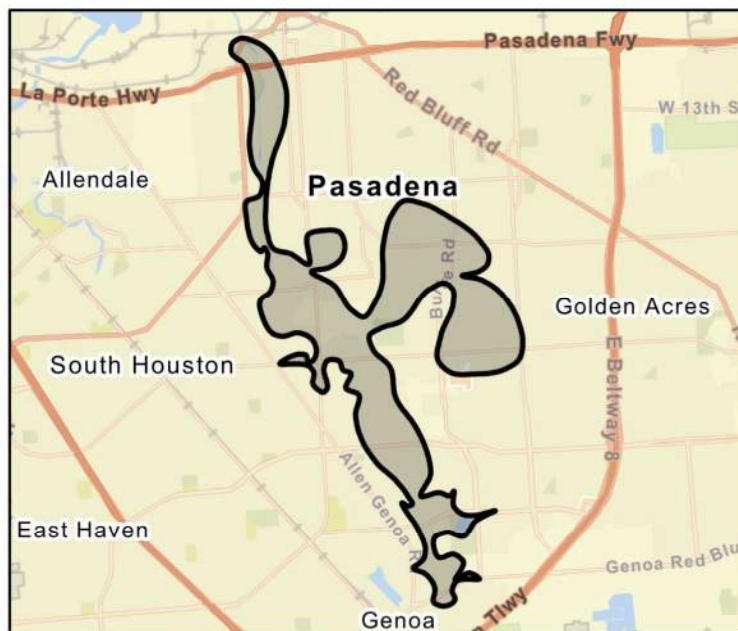
Estimated Cost and Funding Availability

Total Cost \$30,000

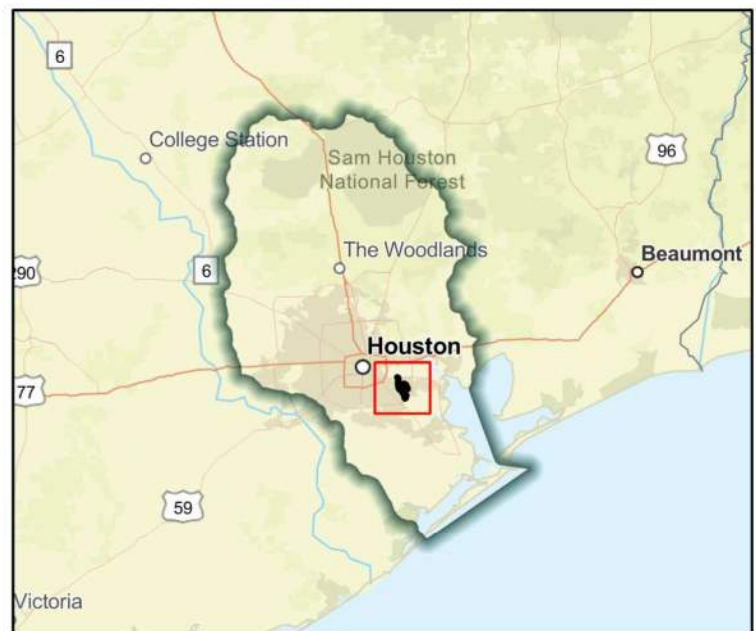
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **I100-WP07 for Vince Bayou Watershed Planning Project**

ID# **061000331**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR needed for this project to become a FMP. Pasadena (CIP) Street Lowering (Various). Right-of-way acquisition, Design, and Construction of Stormwaters Detention Basin and construction of Culverts near Pasadena Blvd..**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040703,120401040502,120402040100**

Drainage area (Square miles, est.) **4**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,153**

of structures **948**

Critical facilities **8**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **2**

Roadway(s) impacted (length) **14**

Number of low water crossings **1**

Historical road closures **1**

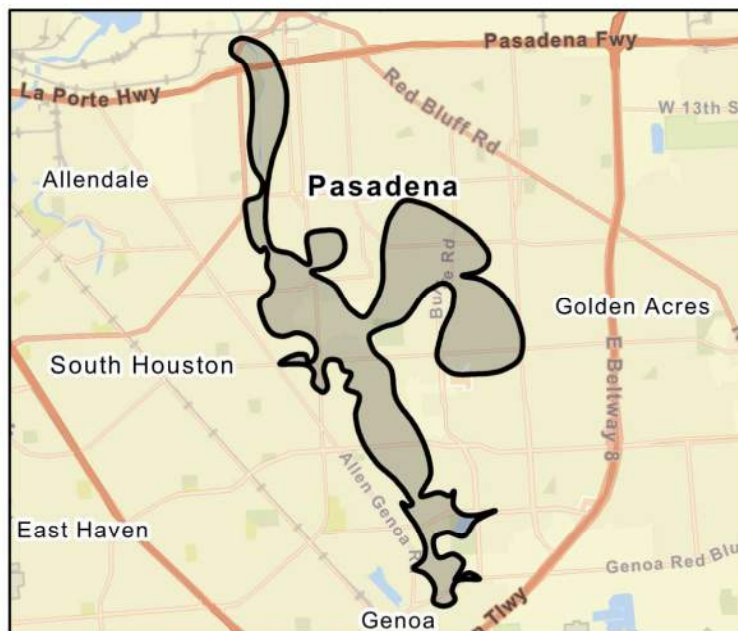
Estimated Cost and Funding Availability

Total Cost **\$30,000**

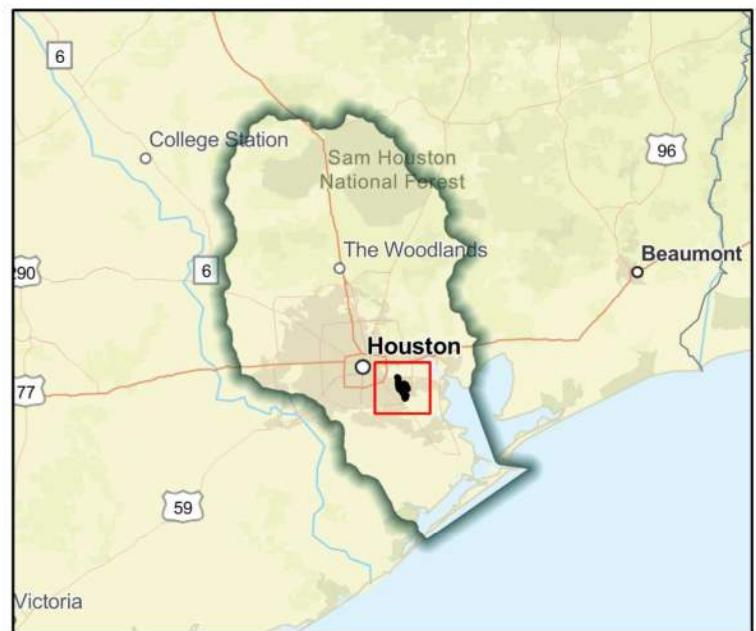
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **I100-WP11 for Vince Bayou Watershed Planning Project**

ID# **061000332**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, Design, and Construction of Stormwater Detention Basins near Spencer Hwy. and Tulip Street.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040703,120401040502,120402040100**

Drainage area (Square miles, est.) **4**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,153**

of structures **948**

Critical facilities **8**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **2**

Roadway(s) impacted (length) **14**

Number of low water crossings **1**

Historical road closures

1

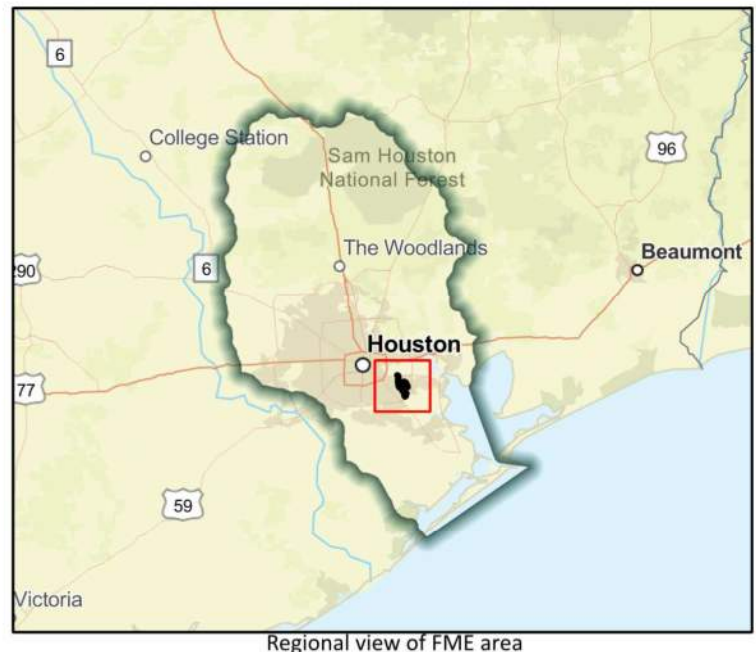
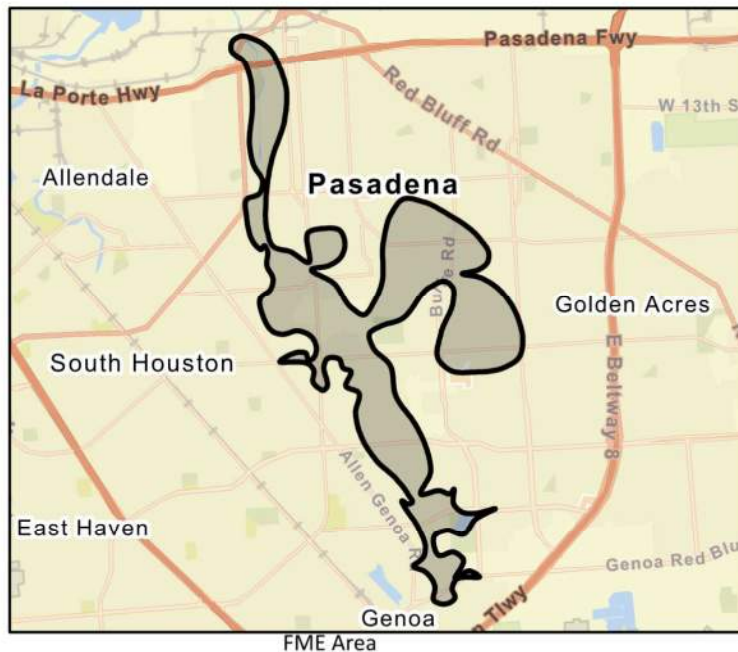
Estimated Cost and Funding Availability

Total Cost **\$30,000**

Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



Flood Management Evaluation (FME)

Title **Houston Kashmere Gardens Area Flood Mitigation**

ID# **061000434**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type **Project Planning**

Study description **Further study to develop this project into a FMP. The project includes improvements to storm sewer, roadside ditch systems, culverts, sewer inlets, and the construction of detention basins.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040703,120401040604,120401040606,120401040304,120401040**

Drainage area (Square miles, est.) **31**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **34,523**

of structures **6,244**

Critical facilities **98**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **21**

Roadway(s) impacted (length) **102**

Number of low water crossings **6**

Historical road closures

6

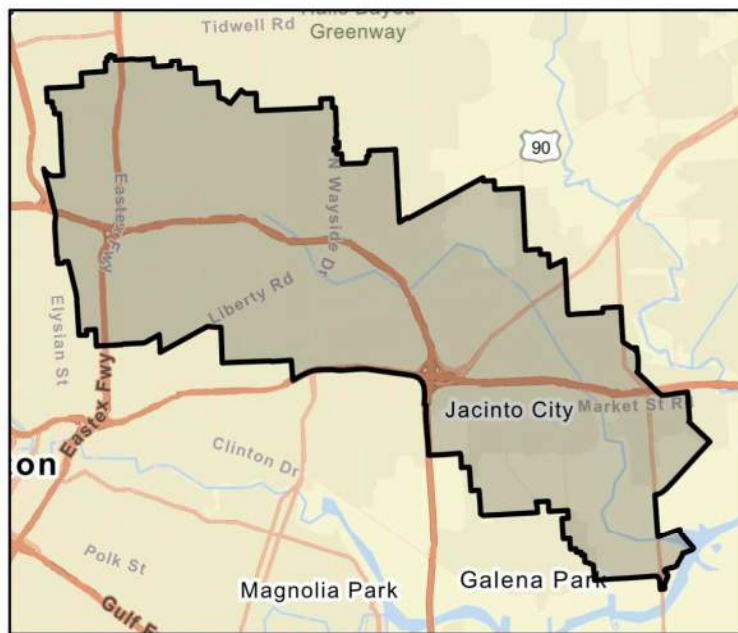
Estimated Cost and Funding Availability

Total Cost **\$30,000**

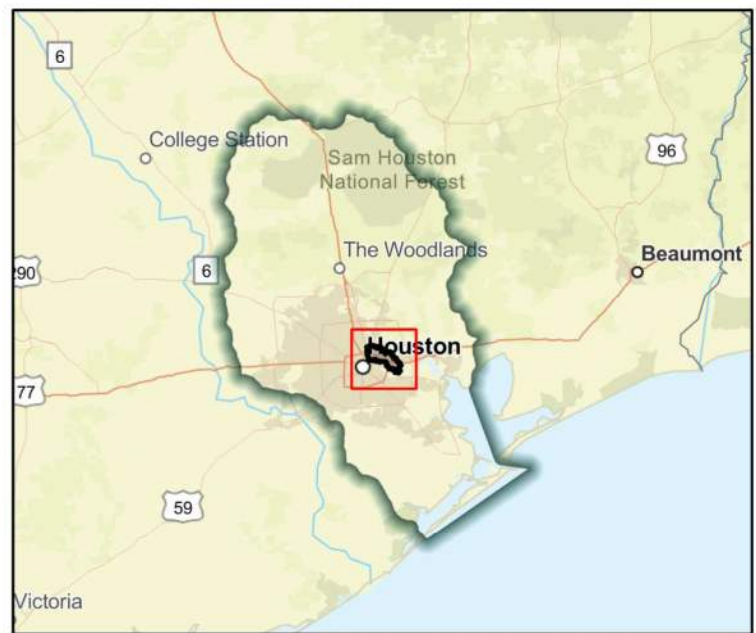
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **CDBG-MIT**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Shoreacres Drainage Assessment**

ID# **061000031**

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

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further analysis necessary to determine downstream impacts and whether any additional volume in A104-11-00 would be available during a coincident event on Taylor Bayou.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Chambers,Harris**

Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **1**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,456**

of structures **801**

Critical facilities **3**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **0**

Roadway(s) impacted (length) **17**

Number of low water crossings **1**

Historical road closures **1**

Estimated Cost and Funding Availability

Total Cost **\$100,000**

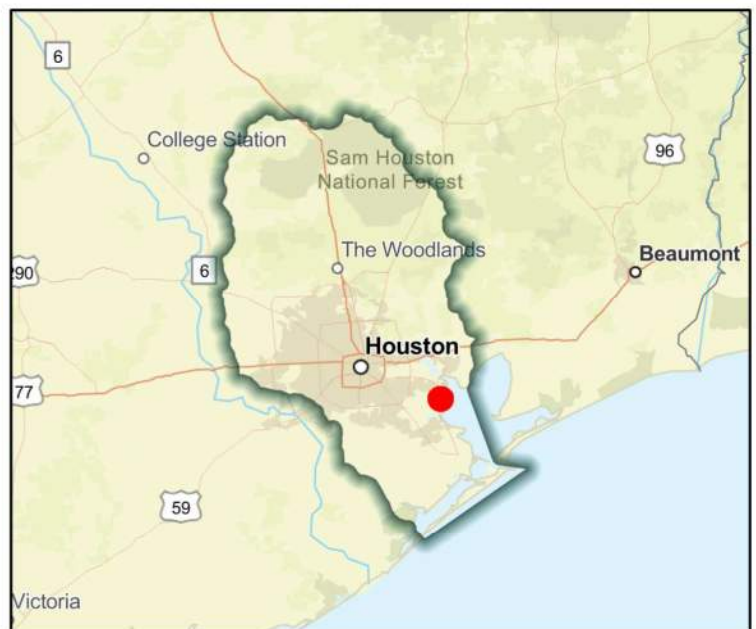
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Rush Creek Lake - Lake Conroe Estates Watershed

ID# 061000461

Sponsor (name of entity, not person) Conroe (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Montgomery

Watershed HUC# (if known) 120401010207,120401010206

Drainage area (Square miles, est.) 2

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 130

of structures 80

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1

Roadway(s) impacted (length) 0

Number of low water crossings 1

Historical road closures

1

Estimated Cost and Funding Availability

Total Cost \$30,000

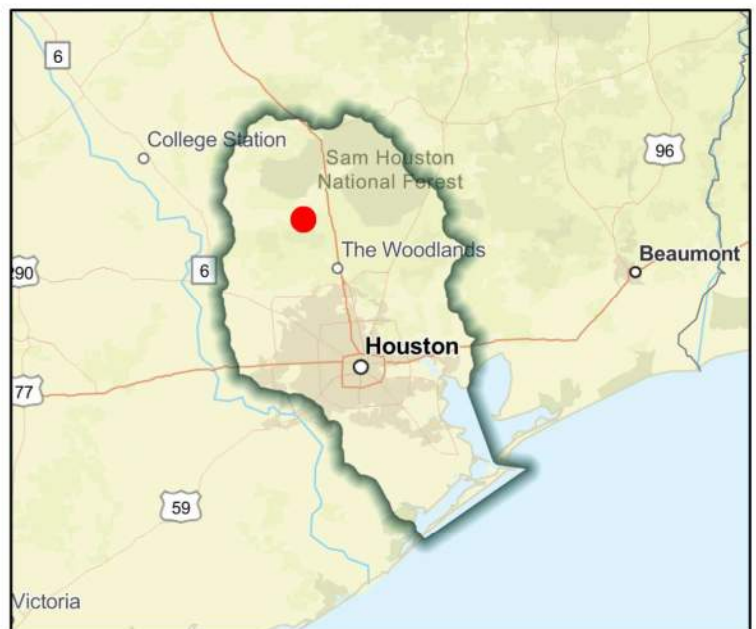
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Barker Reservoir Flood Risk Reduction and Park Project**

ID# **061000324**

Sponsor (name of entity, not person) **Willow Fork Drainage District**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to further the proposed project. FIF application information unavailable.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Fort Bend,Harris,Waller**

Watershed HUC# (if known) **120401040103**

Drainage area (Square miles, est.) **27**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **306**

of structures **115**

Critical facilities **2**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **20**

Roadway(s) impacted (length) **1**

Number of low water crossings **0**

Historical road closures **0**

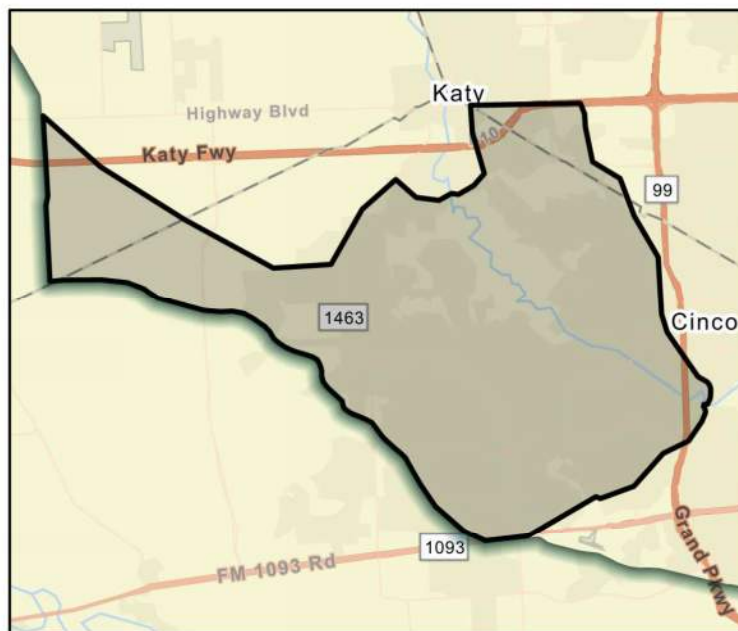
Estimated Cost and Funding Availability

Total Cost **\$30,000**

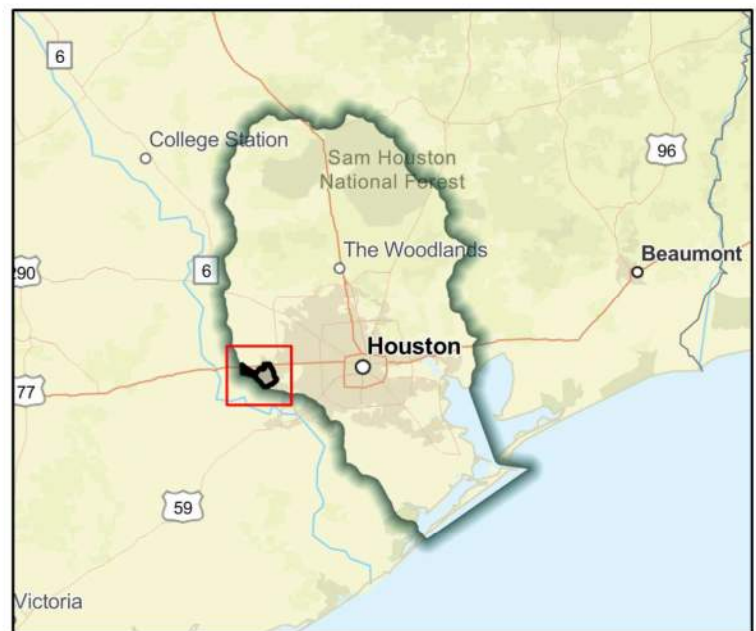
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **Unknown**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Clear Creek - Hughes Stormwater Detention (SWD) Basin**

ID# **061000421**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop BCA to become a FMP. Project identified in Clear Creek Federal Project study for flood management but did not yield high enough cost benefit ratio for Federal funding. Therefore, Harris and Galveston County have decided to fund this effort.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Brazoria, Galveston, Fort Bend, Harris**

Watershed HUC# (if known) **120401040502, 120401040501, 120402040200, 120402040400, 120402040**

Drainage area (Square miles, est.) **200**

Goal(s) **06000001, 06000011, 06000012, 06000015**

100-Year Flood Risk Summary

Population at risk **120,966**

of structures **27,164**

Critical facilities **233**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **533**

Roadway(s) impacted (length) **458**

Number of low water crossings **12**

Historical road closures

12

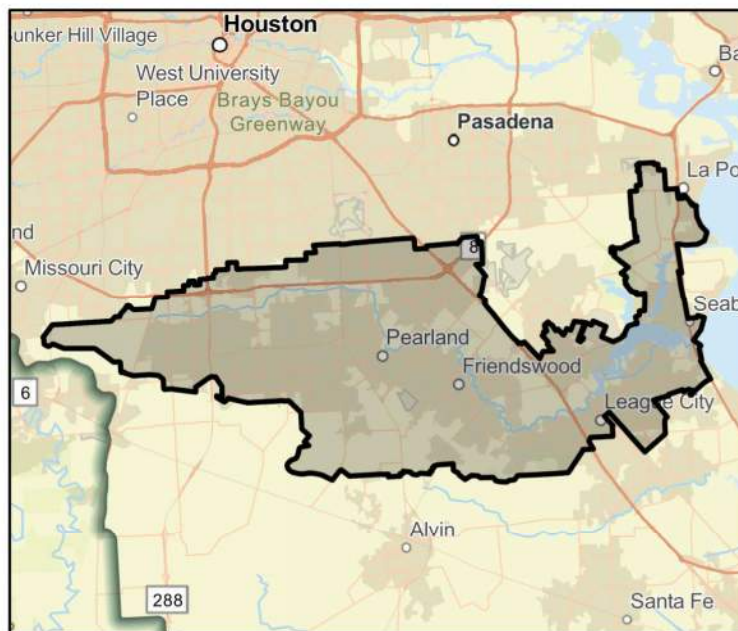
Estimated Cost and Funding Availability

Total Cost **\$30,000**

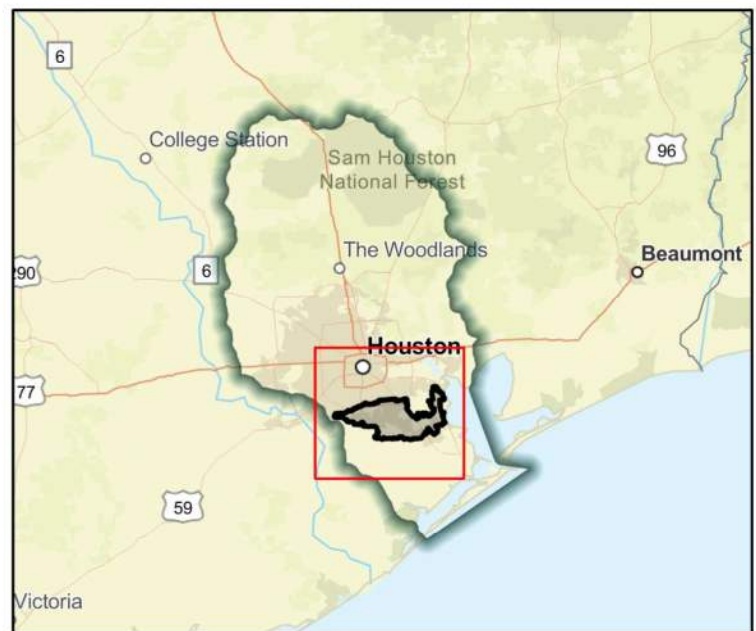
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **Harris and Galveston County**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Cypress Creek Implementation Plan - Various Detention Sites

ID# 061000357

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The Implementation Plan identifies that approximately 14,000 acre-feet of stormwater detention volume across 23 different sites reducing flooding risk.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401020104,120401020106,120401020105,120401020107,120401020

Drainage area (Square miles, est.) 118

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 21,959

of structures 4,100

Critical facilities 73

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 75

Roadway(s) impacted (length) 80

Number of low water crossings 3

Historical road closures

3

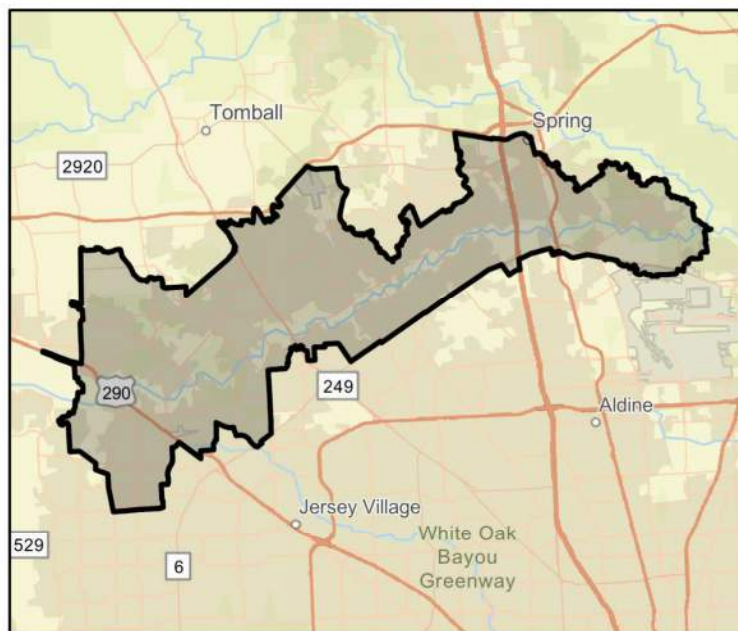
Estimated Cost and Funding Availability

Total Cost \$30,000

Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

REGION 6

Title Luce Bayou (Z100-00-00-P026) Bypass Channel

ID# 061000407

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel bypass to provide Luce main stem upstream and local overland flooding relief.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401010502,120401010501,120401030205,120401030402,120401040

Drainage area (Square miles, est.) 75

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 5,763

of structures 1,939

Critical facilities 25

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1,122

Roadway(s) impacted (length) 40

Number of low water crossings 0

Historical road closures

0

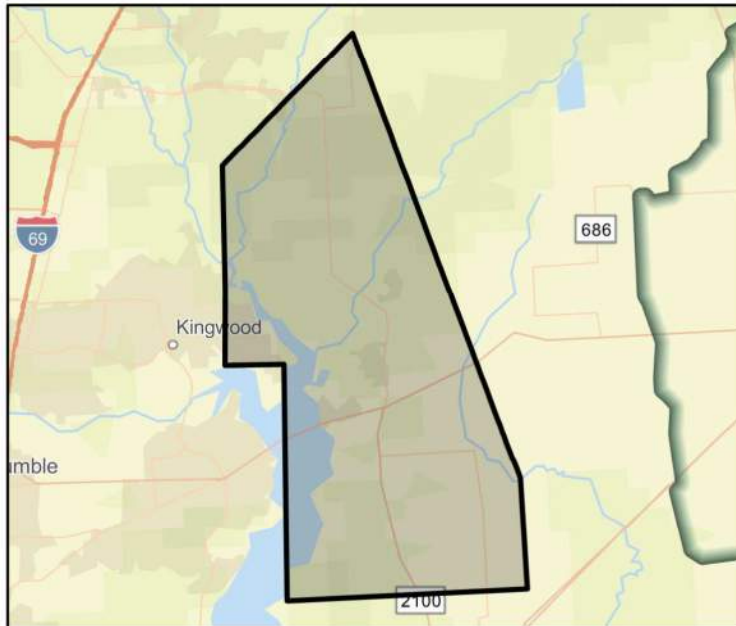
Estimated Cost and Funding Availability

Total Cost \$30,000

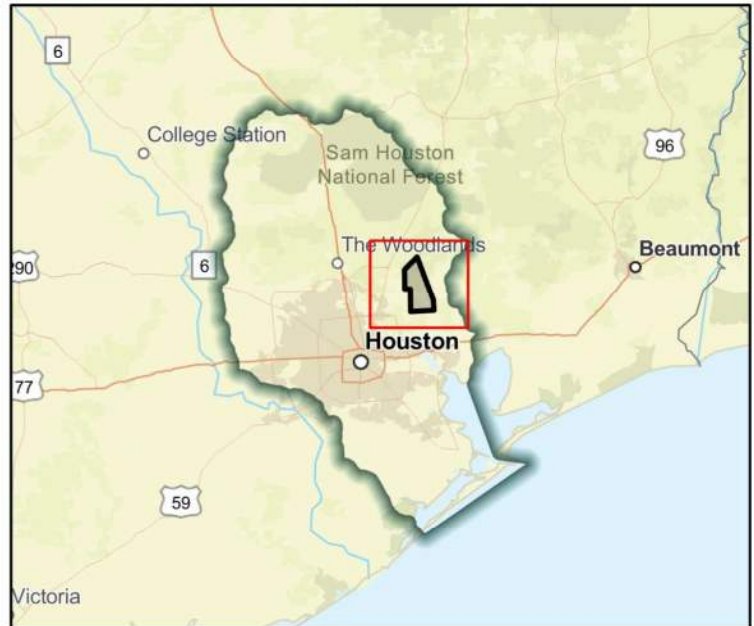
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

REGION 6

Title Luce Bayou (Z100-00-00-P026) Channelization

ID# 061000412

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel improvements along Luce main stem.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401010502,120401010501,120401030205,120401030402,120401040

Drainage area (Square miles, est.) 75

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 5,763

of structures 1,939

Critical facilities 25

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1,122

Roadway(s) impacted (length) 40

Number of low water crossings 0

Historical road closures

0

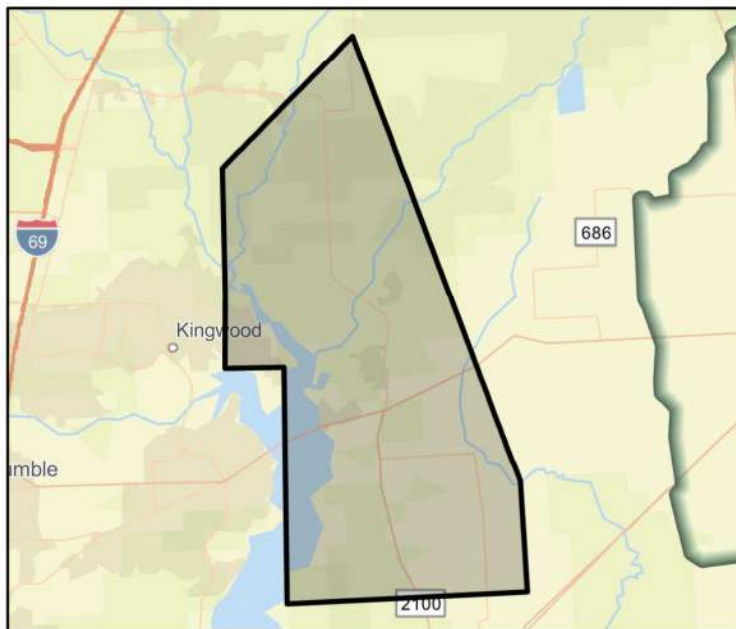
Estimated Cost and Funding Availability

Total Cost \$30,000

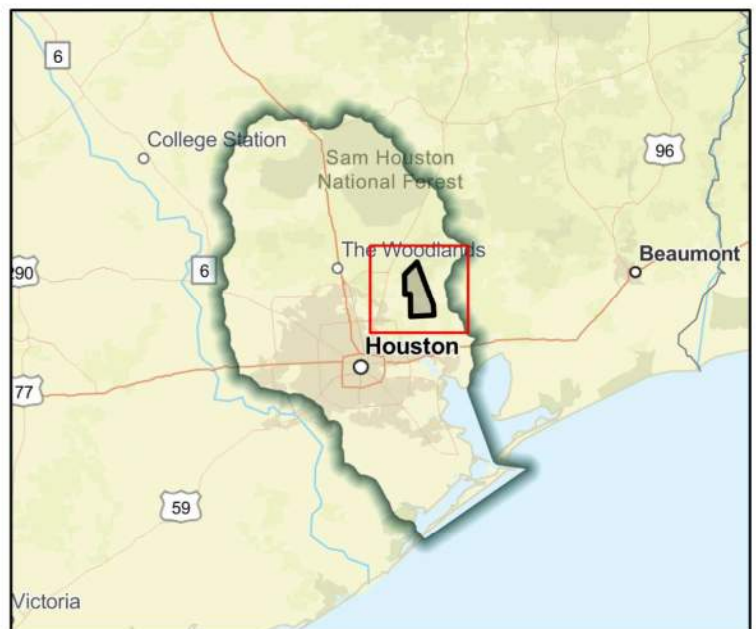
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Luce Bayou (Z100-00-00-P026) Upstream Detention**

ID# **061000413**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of regional detention upstream of Luce Bayou, including acquiring open land north of Harris County.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401010502,120401010501,120401030205,120401030402,120401040**

Drainage area (Square miles, est.) **75**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **5,763**

of structures **1,939**

Critical facilities **25**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **1,122**

Roadway(s) impacted (length) **40**

Number of low water crossings **0**

Historical road closures **0**

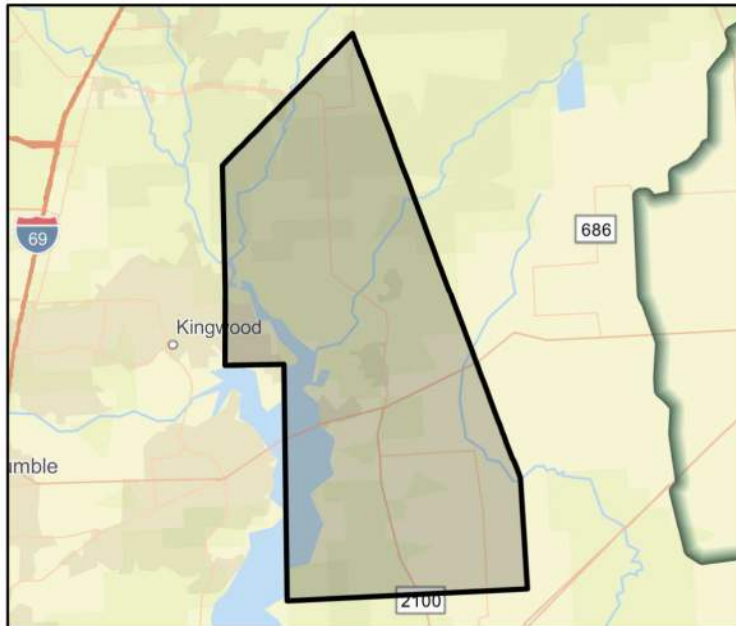
Estimated Cost and Funding Availability

Total Cost **\$30,000**

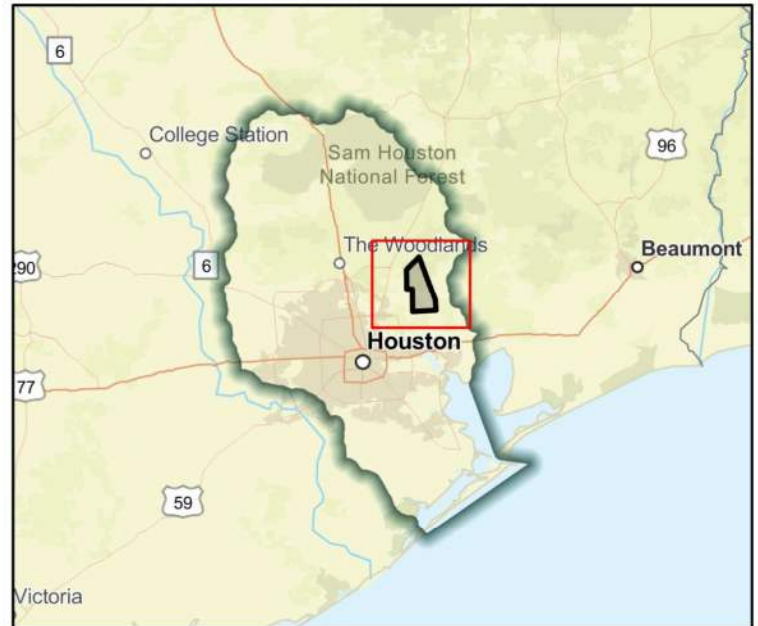
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Widen Drainage Systems and Culverts in City of Kemah**

ID# **061000121**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **No**

County **Galveston,Chambers**

Watershed HUC# (if known) **120402040200,120402040100**

Drainage area (Square miles, est.) **2**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **3,492**

of structures **562**

Critical facilities **7**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **1**

Roadway(s) impacted (length) **12**

Number of low water crossings **999,999**

Historical road closures **999,999**

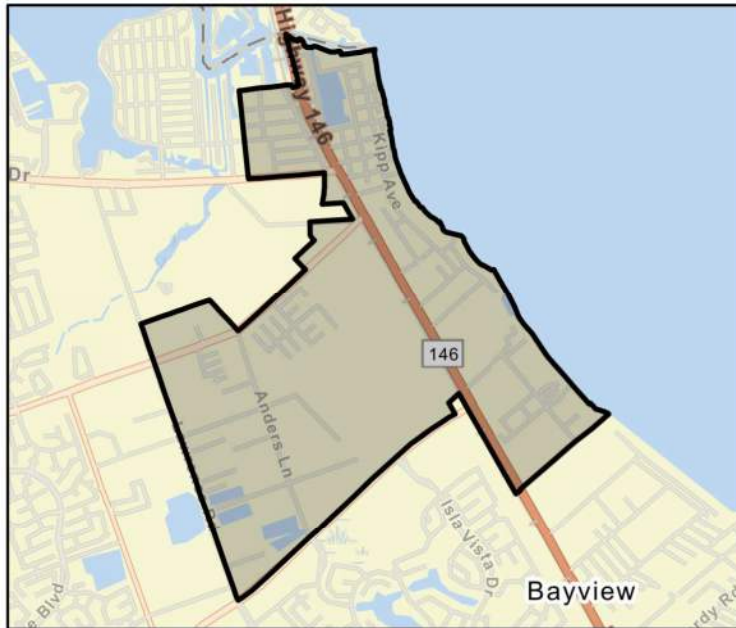
Estimated Cost and Funding Availability

Total Cost **\$100,000**

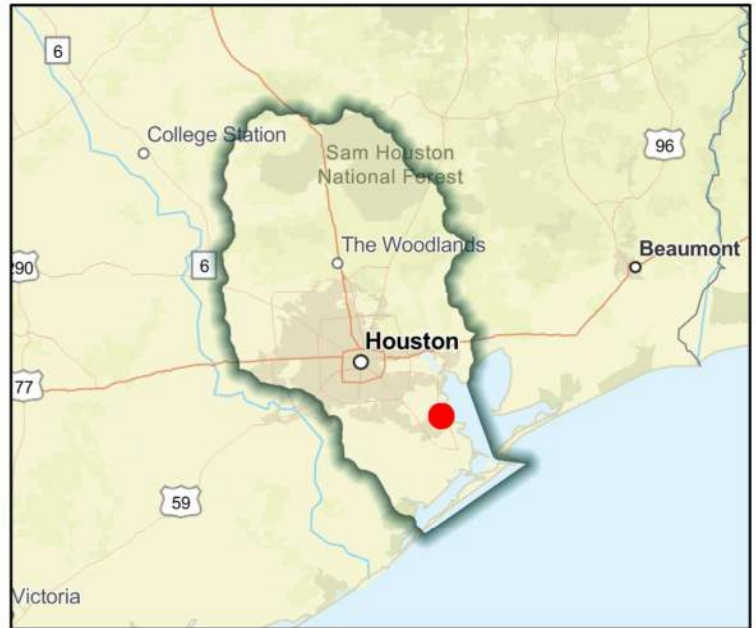
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Little Cypress Creek - Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program

ID# 061000358

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a BCR required for this to become a FMP. The Little Cypress Creek Frontier program will reduce the risk of flooding and include detention, sediment control, vegetation management and other flood risk management projects.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401020103,120401020104,120401020106,120401020101,120401020

Drainage area (Square miles, est.) 52

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,896

of structures 1,213

Critical facilities 15

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 192

Roadway(s) impacted (length) 19

Number of low water crossings 4

Historical road closures

4

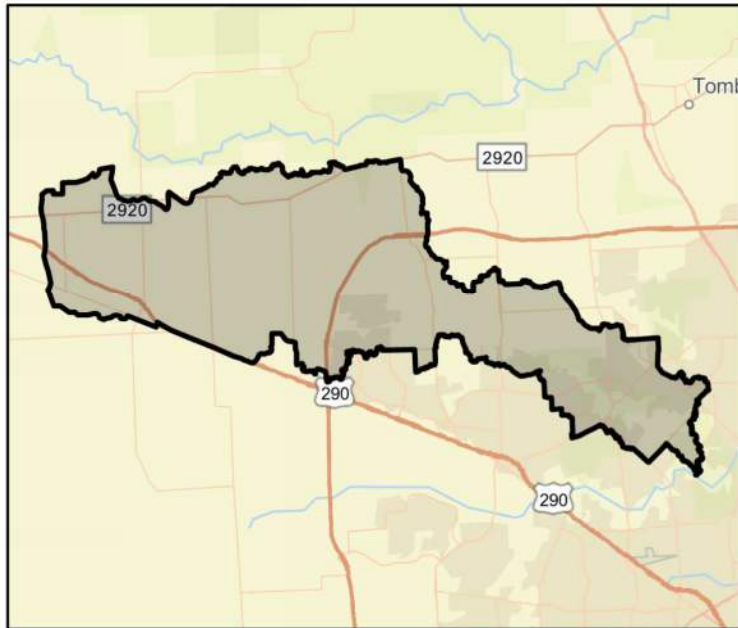
Estimated Cost and Funding Availability

Total Cost \$30,000

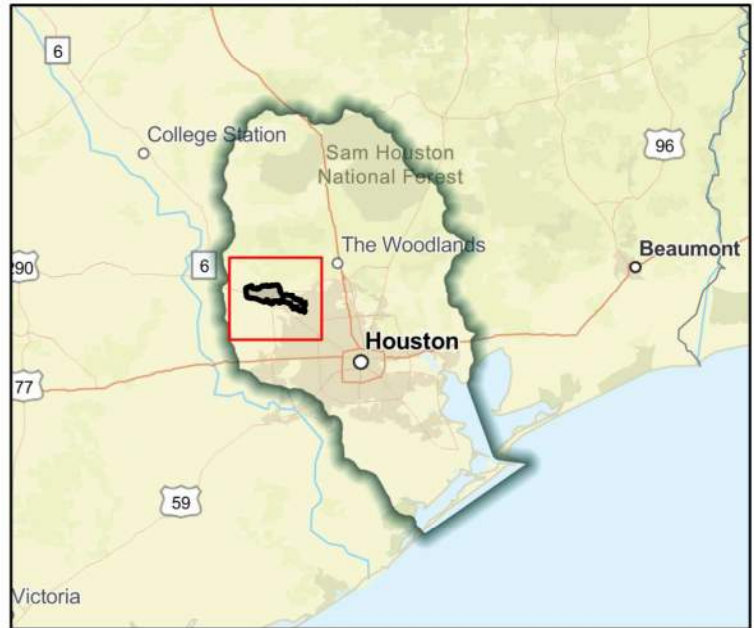
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Hunting Bayou Wallisville Outfall (H103-00-00) - Gellhorn Drive**

ID# **061000405**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Diversion channel expansion for Gellhorn Drive flood reductions.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040606,120401040701**

Drainage area (Square miles, est.) **5**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **10,304**

of structures **396**

Critical facilities **1**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **1**

Roadway(s) impacted (length) **13**

Number of low water crossings **2**

Historical road closures **2**

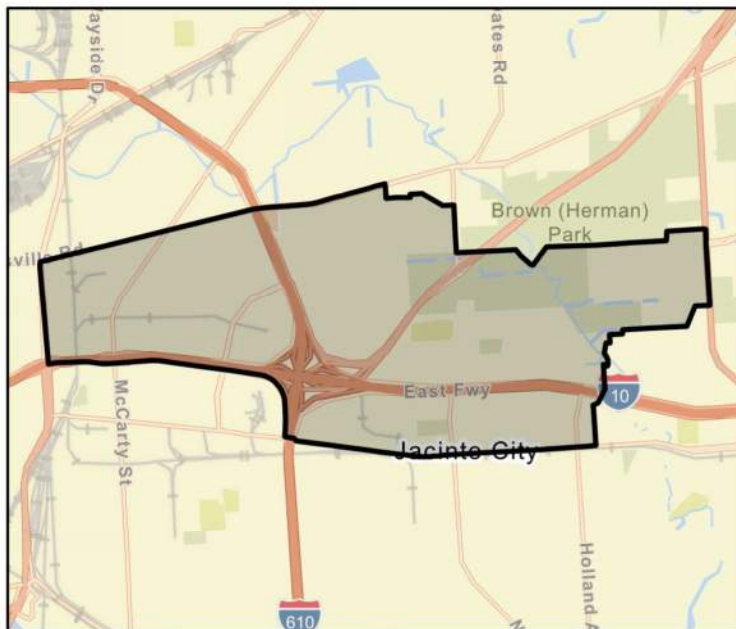
Estimated Cost and Funding Availability

Total Cost **\$30,000**

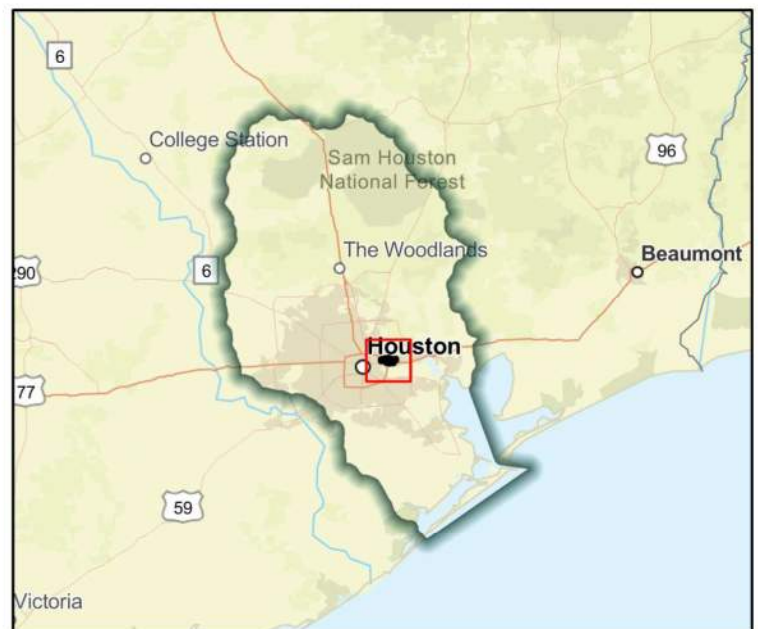
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Hunting Bayou Wallisville Outfall (H103-00-00) - Denver Harbor**

ID# **061000406**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Denver Harbor drainage system improvements.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040606,120401040701**

Drainage area (Square miles, est.) **5**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **10,304**

of structures **396**

Critical facilities **1**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **1**

Roadway(s) impacted (length) **13**

Number of low water crossings **2**

Historical road closures **2**

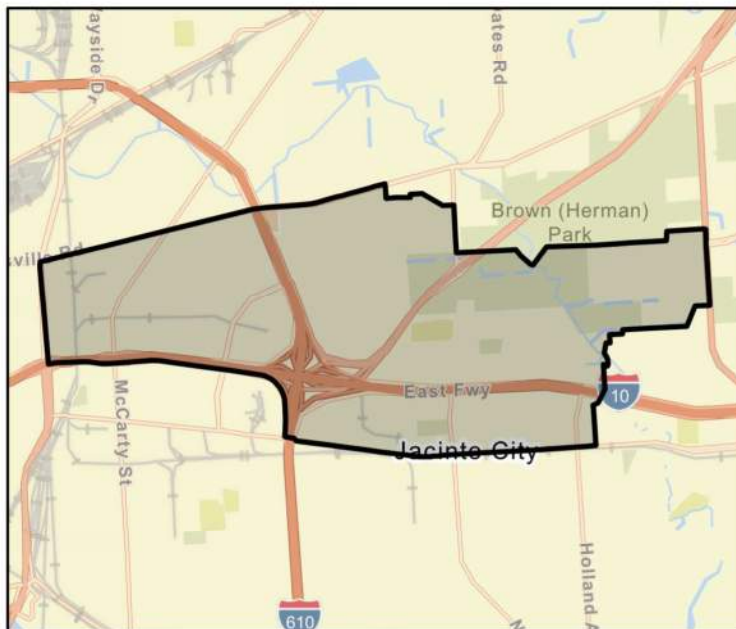
Estimated Cost and Funding Availability

Total Cost **\$30,000**

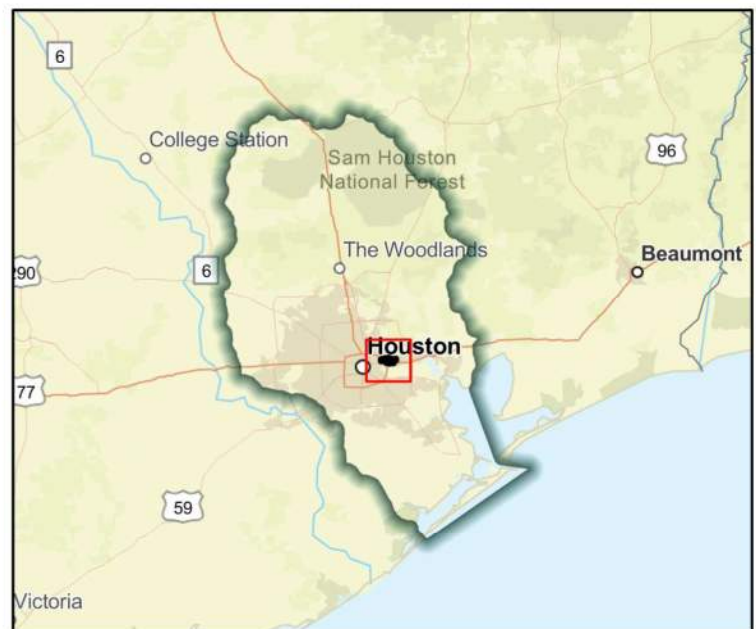
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Downtown Cleveland Drainage Line Installation**

ID# **061000153**

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

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of proposed larger drainage lines in downtown Cleveland to reduce flooding.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **No**

County **Liberty, Montgomery, San Jacinto**

Watershed HUC# (if known) **120401030201, 120401030108, 120401030109, 120401030203, 120401030**

Drainage area (Square miles, est.) **19**

Goal(s) **06000001, 06000011, 06000012, 06000015**

100-Year Flood Risk Summary

Population at risk **1,267**

of structures **261**

Critical facilities **0**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **29**

Roadway(s) impacted (length) **27**

Number of low water crossings **1**

Historical road closures **1**

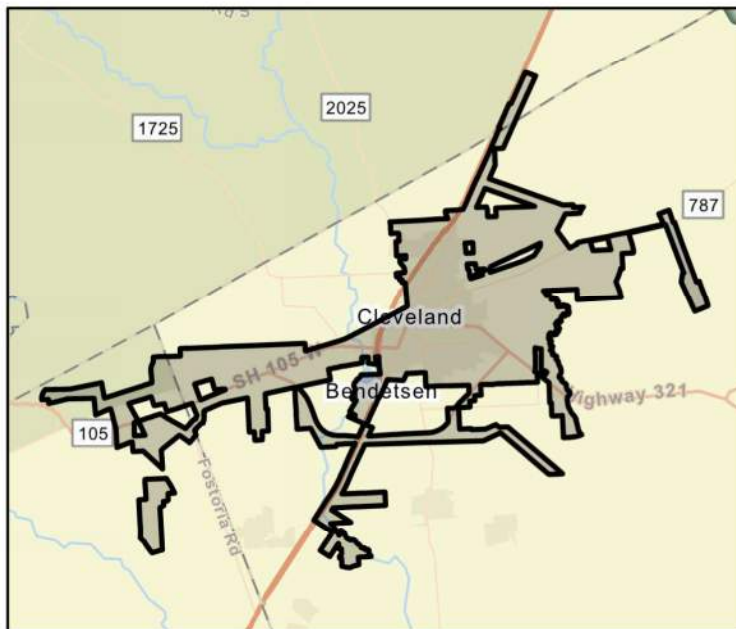
Estimated Cost and Funding Availability

Total Cost **\$50,000**

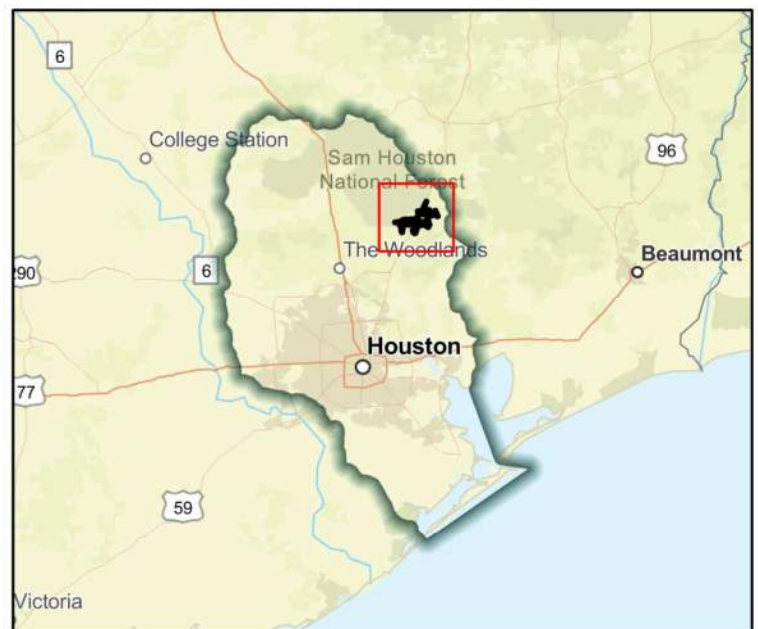
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **I100-WP01 Vince Bayou Watershed Planning Project Recommendation**

ID# **061000326**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this project to become a FMP. Alt-6 Detention basin and channel widening near Strawberry road on left bank of Vince Bayou.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040703,120402040100**

Drainage area (Square miles, est.) **2**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **3,202**

of structures **766**

Critical facilities **5**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **0**

Roadway(s) impacted (length)

8

Number of low water crossings **0**

Historical road closures

0

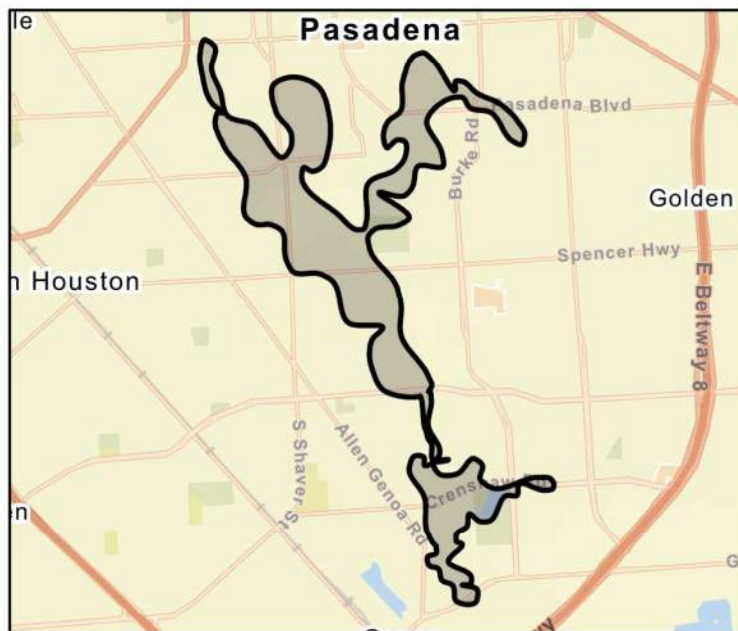
Estimated Cost and Funding Availability

Total Cost **\$30,000**

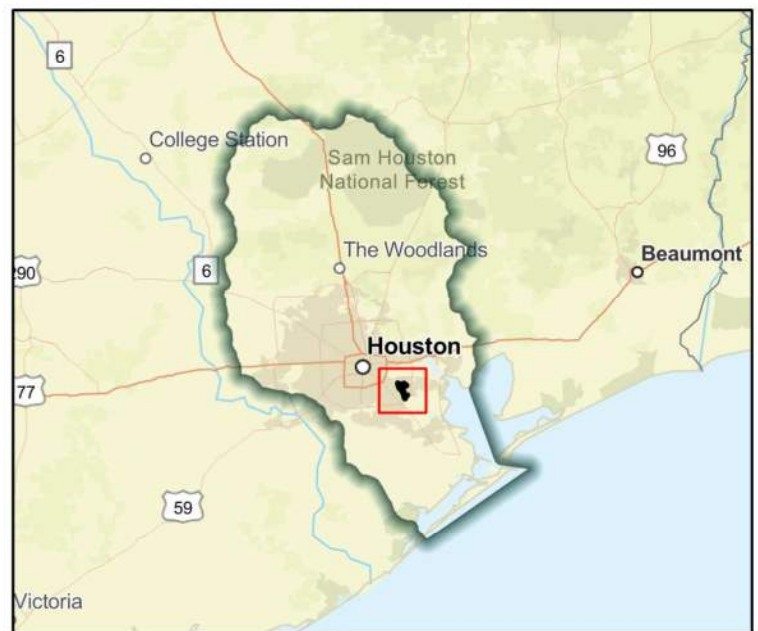
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **Harris County, Harris County Flood Control District, City of Pasadena CIP**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Halls Bayou Drainage Project Bond C-26 & C-27**

ID# **061000354**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040605,120401040601,120401040302,120401040604,120401040**

Drainage area (Square miles, est.) **2**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **5,511**

of structures **1,432**

Critical facilities **8**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **Yes**

Farm/Ranch land impacted (acres) **999,999**

Roadway(s) impacted (length) **10**

Number of low water crossings **1**

Historical road closures **1**

Estimated Cost and Funding Availability

Total Cost **\$30,000**

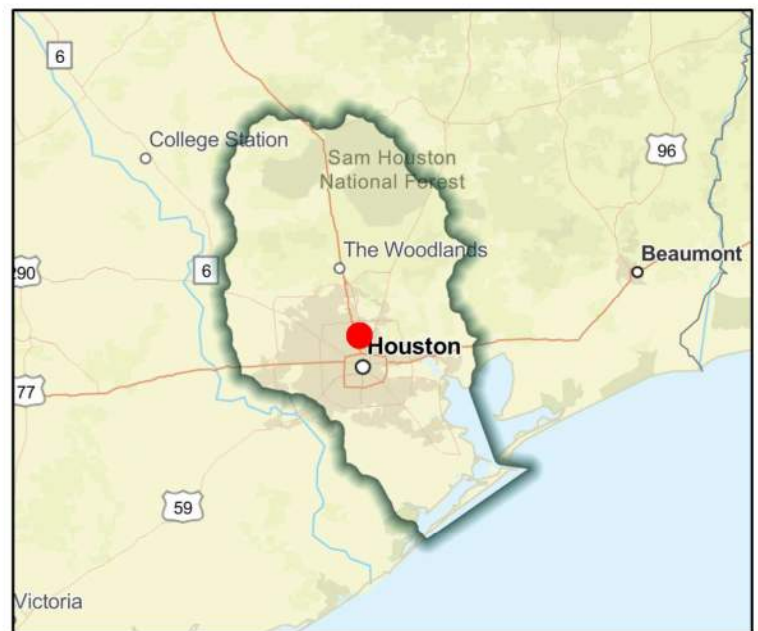
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **Unknown**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02

ID# 061000397

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Project Planning

Study description Study to develop a BCR required for this project to become a FMP. Would reduce flood risk for 300+ structures, size of floodplain by 200+ acres. Facilitates future drainage projects by more outfall depth.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040605,120401040601,120401040302,120401040604,120401040

Drainage area (Square miles, est.) 2

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 5,511

of structures 1,432

Critical facilities 8

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 10

Number of low water crossings 1

Historical road closures

1

Estimated Cost and Funding Availability

Total Cost \$30,000

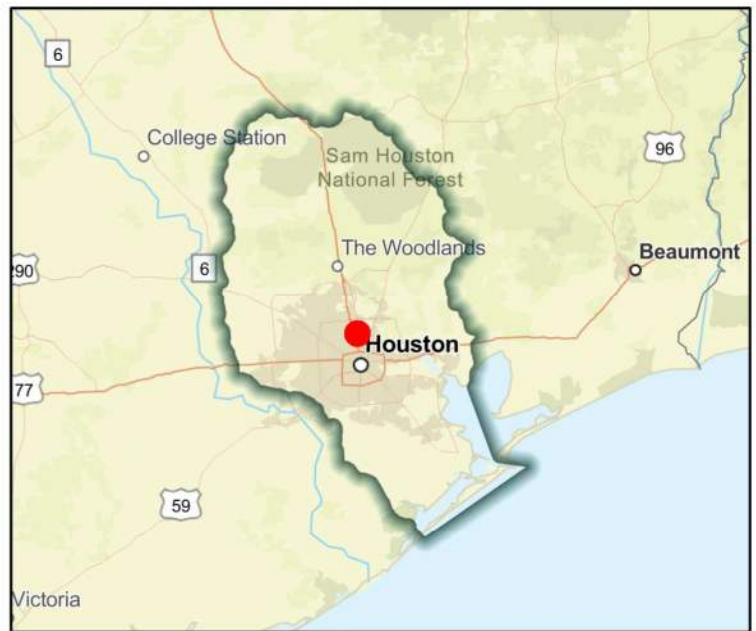
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Pasadena - Hurricane Harvey Drainage Mitigation Project 2

ID# 061000371

Sponsor (name of entity, not person) Pasadena (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study to develop & elevate project into a FMP. Previously submitted by the Flood Infrastructure Fund (FIF) but was not approved at the time. Projects included in this application will be updated to include BCA and Atlas 14 rainfall consideration.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Harris

Watershed HUC# (if known) 120401010501,120401030205,120401030402

Drainage area (Square miles, est.) 1,771

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 976,798

of structures 143,642

Critical facilities 2,332

Flood risk type: Riverine? No

Coastal? No

Local? No

Playa? No

Other? Yes

Farm/Ranch land impacted (acres) 5,993

Roadway(s) impacted (length) 2,408

Number of low water crossings 89

Historical road closures

89

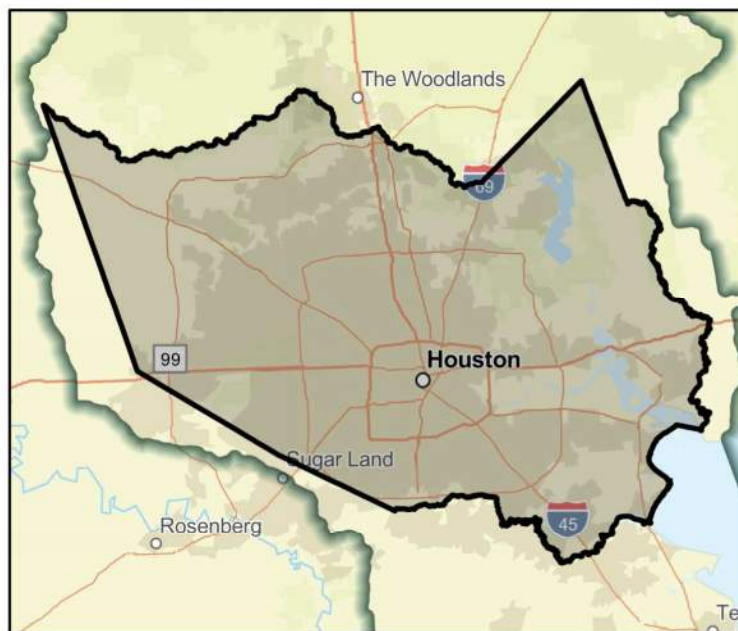
Estimated Cost and Funding Availability

Total Cost \$30,000

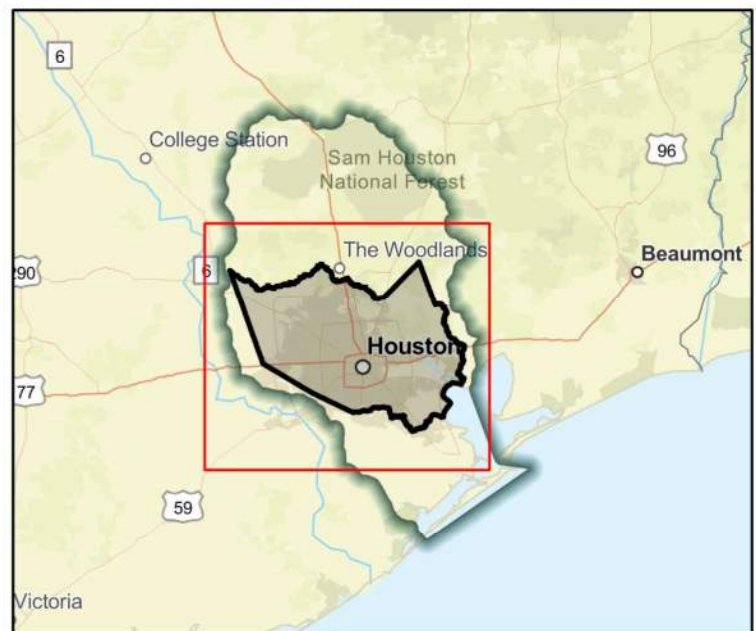
Amount of Available Funding 999999

Federal funding availability Yes

Funding source Unknown



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title City of Pasadena - Hurricane Harvey Drainage Mitigation Project 3

ID# 061000372

Sponsor (name of entity, not person) Pasadena (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

REGION 6

Study Details

Study type Project Planning

Study description Further study to develop & elevate project into a FMP. Previously submitted by the Flood Infrastructure Fund (FIF) but was not approved at the time. Projects included in this application will be updated to include BCA and Atlas 14 rainfall consideration.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Harris

Watershed HUC# (if known) 120401010501,120401030205,120401030402

Drainage area (Square miles, est.) 1,771

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 976,798

of structures 143,642

Critical facilities 2,332

Flood risk type: Riverine? No

Coastal? No

Local? No

Playa? No

Other? Yes

Farm/Ranch land impacted (acres) 5,993

Roadway(s) impacted (length) 2,408

Number of low water crossings 89

Historical road closures

89

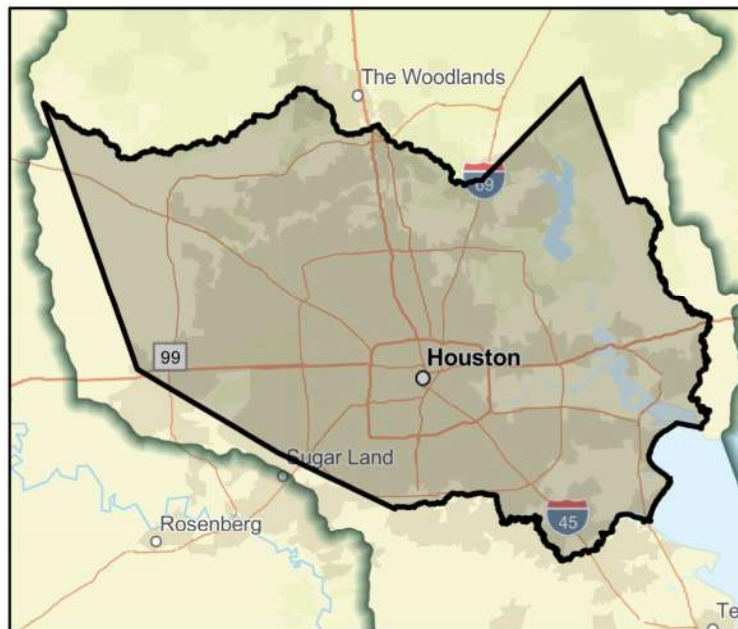
Estimated Cost and Funding Availability

Total Cost \$30,000

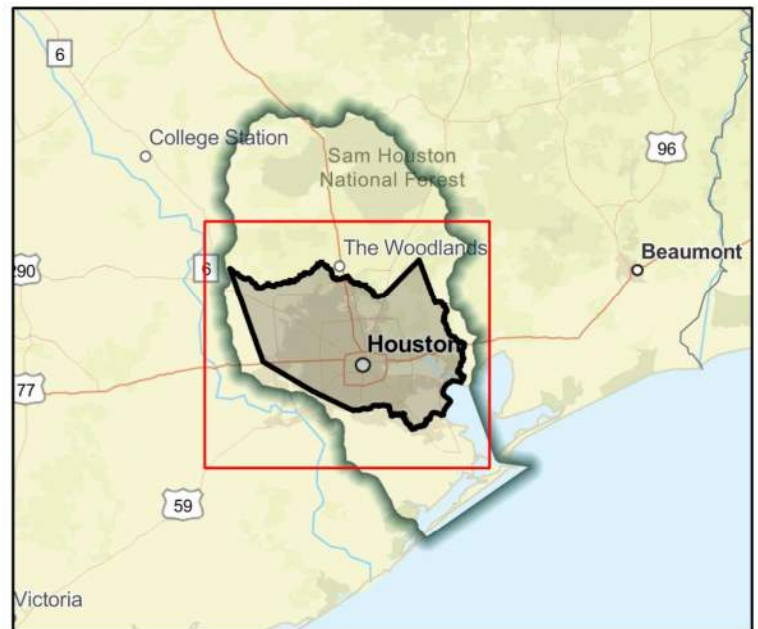
Amount of Available Funding 999999

Federal funding availability Yes

Funding source Unknown



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Middle Armand Bayou Protection Project**

ID# **061000467**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Other**

Study description **Further study to develop this project into a FMP. FIF application information unavailable.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **262**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **155,360**

of structures **33,653**

Critical facilities **395**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **597**

Roadway(s) impacted (length) **578**

Number of low water crossings **16**

Historical road closures

16

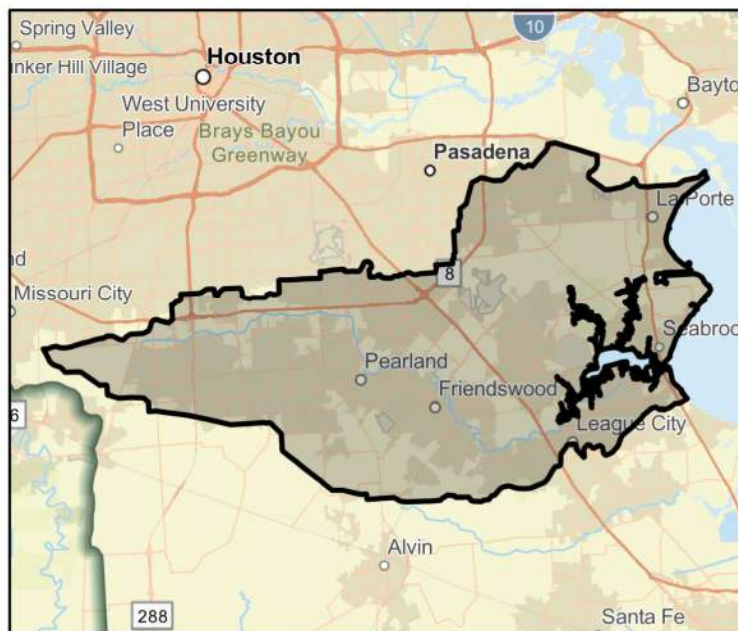
Estimated Cost and Funding Availability

Total Cost **\$30,000**

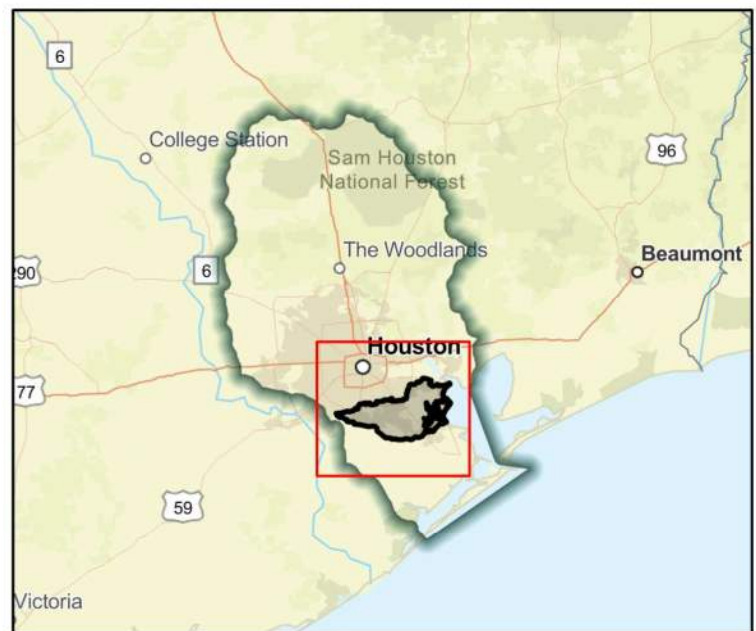
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Flood Gates Evaluation at Walker County Annex #2

ID# 061000156

Sponsor (name of entity, not person) Walker (County)

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Evaluation of proposed removable facility flood gates at Walker County Annex #2

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Walker

Watershed HUC# (if known) 120401010104,120401010101,120401010102,120401010103,120401010104

Drainage area (Square miles, est.) 798

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 657

of structures 505

Critical facilities 1

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 180

Roadway(s) impacted (length) 25

Number of low water crossings 2

Historical road closures 2

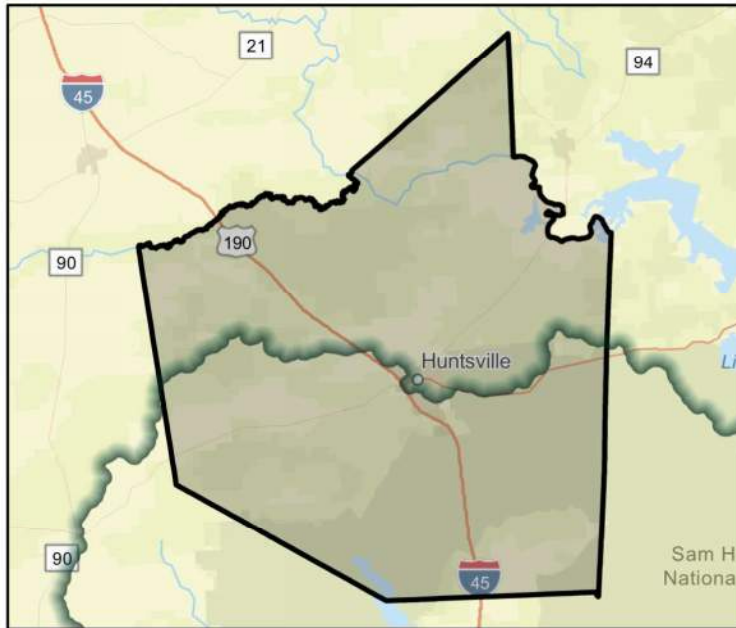
Estimated Cost and Funding Availability

Total Cost \$20,000

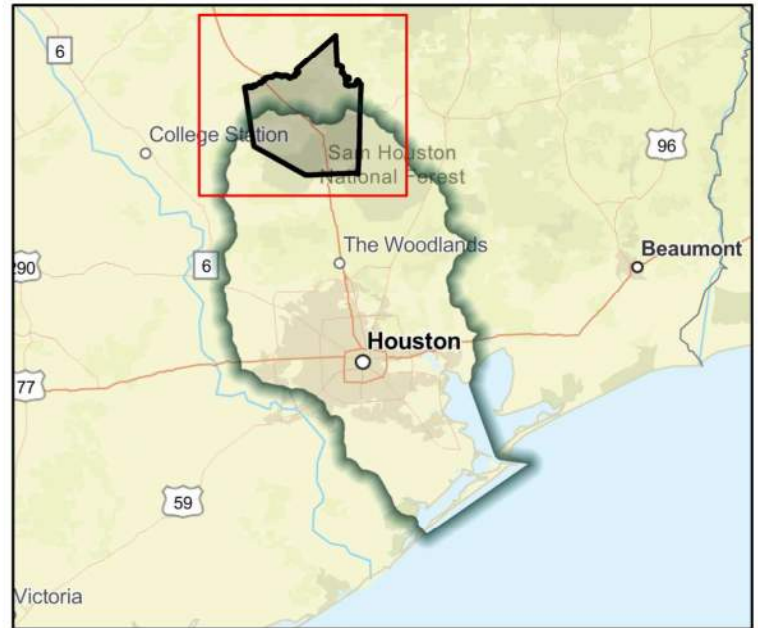
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Warren Lake and Dam Retrofit**

ID# **061000320**

Sponsor (name of entity, not person) **Coastal Prairie Conservancy**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of Retrofit dam to improve detention of flood & storm water runoff, new 137.3 ac wetlands complex added of storage capacity & conversion of fields to tallgrass prairies to add approximately 856 ac-ft of total storage during rainfall events.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **No**

County **Harris**

Watershed HUC# (if known) **120401020103**

Drainage area (Square miles, est.) **2**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **0**

of structures **0**

Critical facilities **0**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **183**

Roadway(s) impacted (length) **999,999**

Number of low water crossings **999,999**

Historical road closures **999,999**

Estimated Cost and Funding Availability

Total Cost **\$30,000**

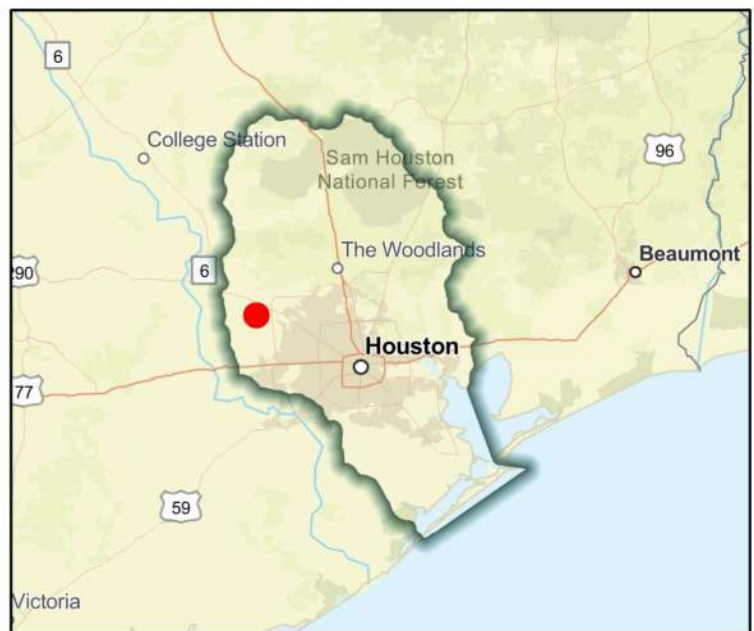
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **Unknown**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title White Oak - SPT and E116 (E116-00-00) Improvements : PA01 thru PA-05

ID# 061000389

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for these projects to become a FMP. The "E116-00-00 Flood Reduction Feasibility Study" was completed in March 2022 and provides a decrease riverine and urban flood risk in the area.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040302,120401040304

Drainage area (Square miles, est.) 7

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 4,852

of structures 1,174

Critical facilities 7

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 5

Roadway(s) impacted (length) 15

Number of low water crossings 0

Historical road closures

0

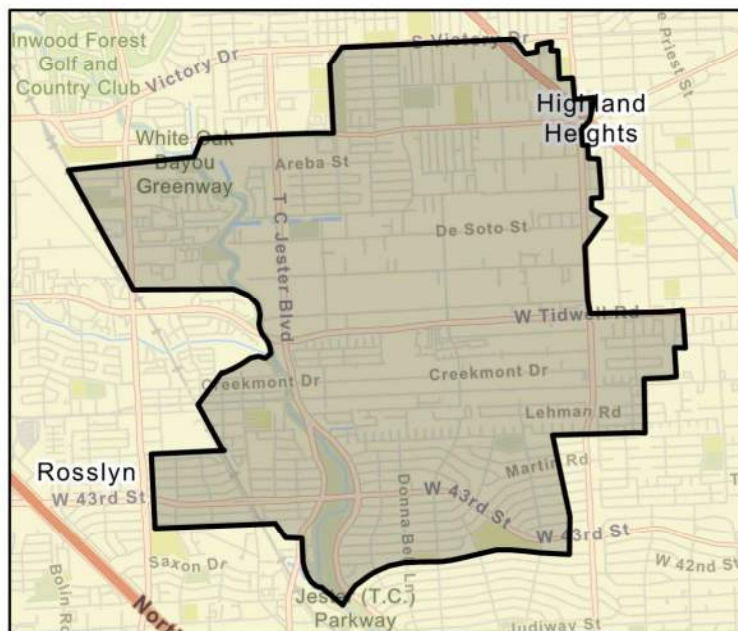
Estimated Cost and Funding Availability

Total Cost \$30,000

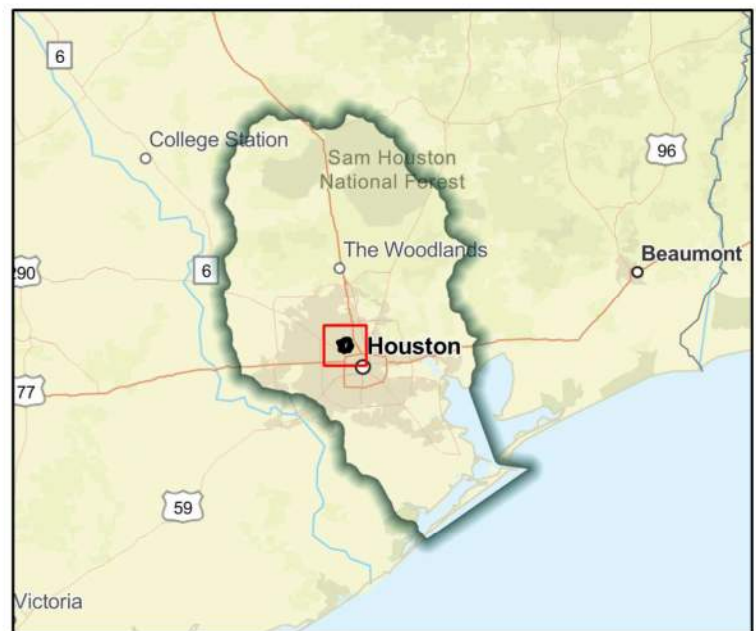
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Houston Huntington Village Area Flood Mitigation**

ID# **061000419**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Further study to develop this project into a FMP. The project includes storm sewer improvements in the Huntington Village neighborhood to reduce structural flood loss.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Fort Bend,Harris**

Watershed HUC# (if known) **120401040401**

Drainage area (Square miles, est.) **96**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **267,993**

of structures **32,129**

Critical facilities **448**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **42**

Roadway(s) impacted (length) **412**

Number of low water crossings **1**

Historical road closures

1

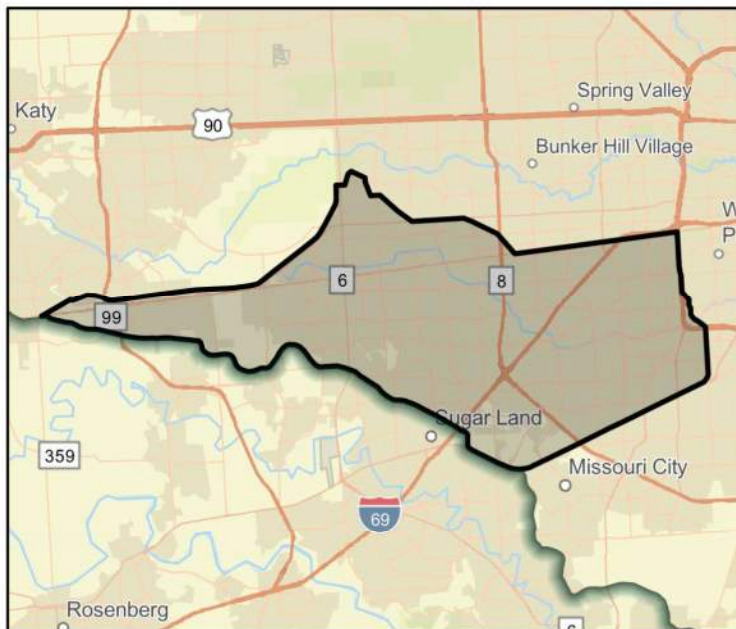
Estimated Cost and Funding Availability

Total Cost **\$30,000**

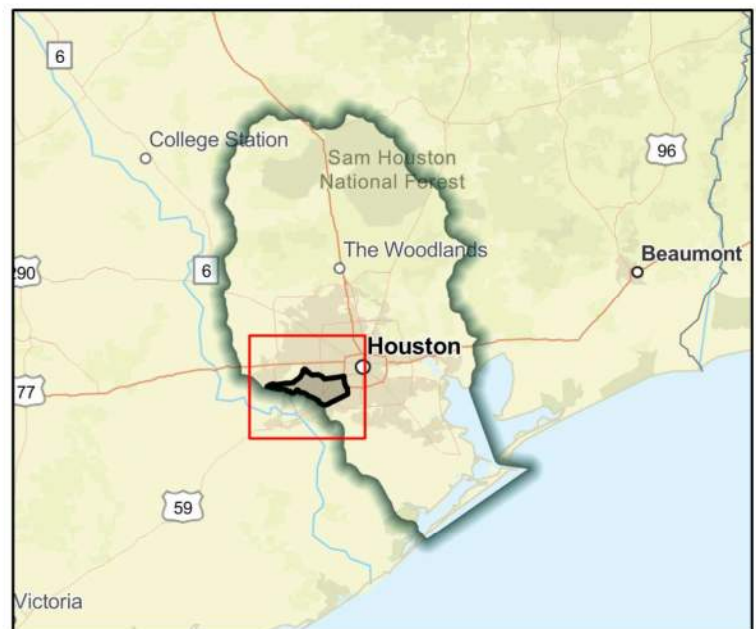
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **CDBG-MIT**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Spring Shadows South**

ID# **061000433**

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

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed to elevate project to a FMP. FIF application information unavailable.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040302,120401040303**

Drainage area (Square miles, est.) **6**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,553**

of structures **1,006**

Critical facilities **6**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **999,999**

Roadway(s) impacted (length) **12**

Number of low water crossings **0**

Historical road closures **0**

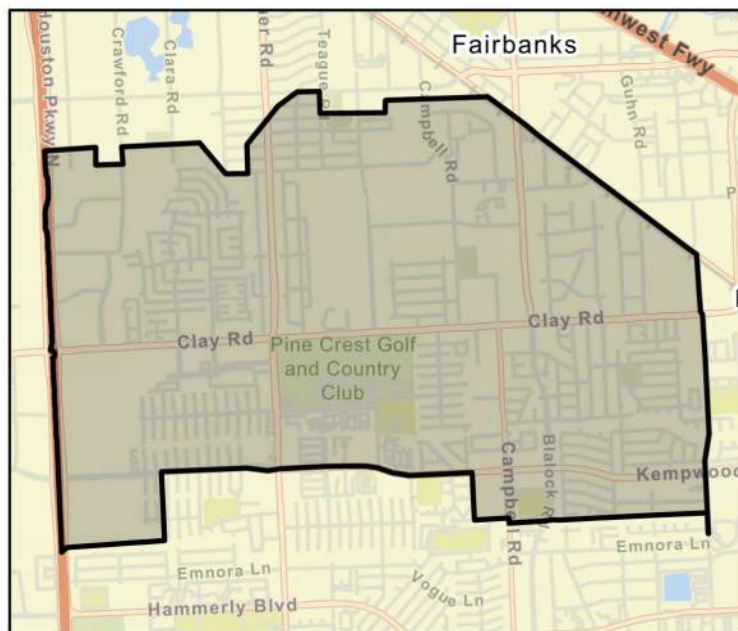
Estimated Cost and Funding Availability

Total Cost **\$30,000**

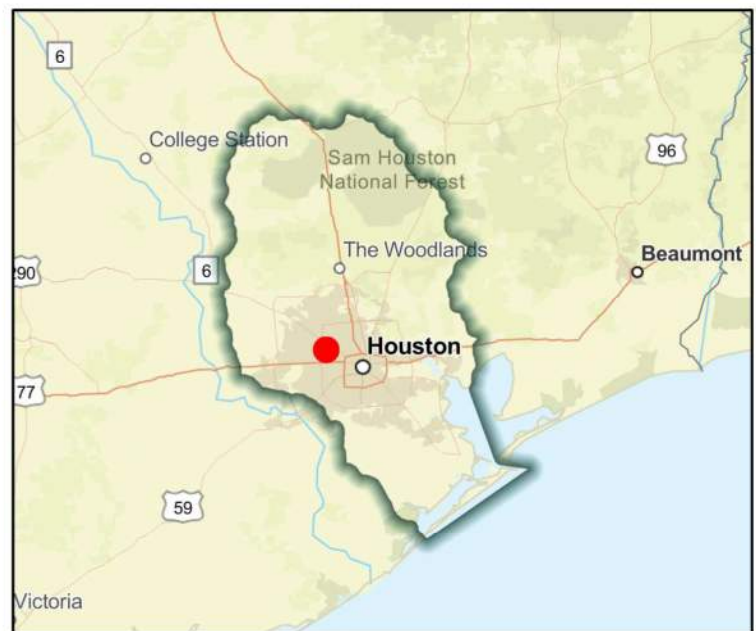
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **Unknown**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Tomball Drainage Improvements

ID# 061000373

Sponsor (name of entity, not person) Tomball (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to the the drainage project for the City of Tomball is comprised of building storm sewer systems and channel conveyance to enable flood waters to be removed from portions of the city bounded by Holderrieth Road, SH 249, UPRR, and FM 2920.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Harris, Montgomery

Watershed HUC# (if known) 120401020106, 120401020205, 120401020210, 120401020209

Drainage area (Square miles, est.) 13

Goal(s) 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk 607

of structures 47

Critical facilities 0

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 5

Roadway(s) impacted (length) 4

Number of low water crossings 0

Historical road closures

0

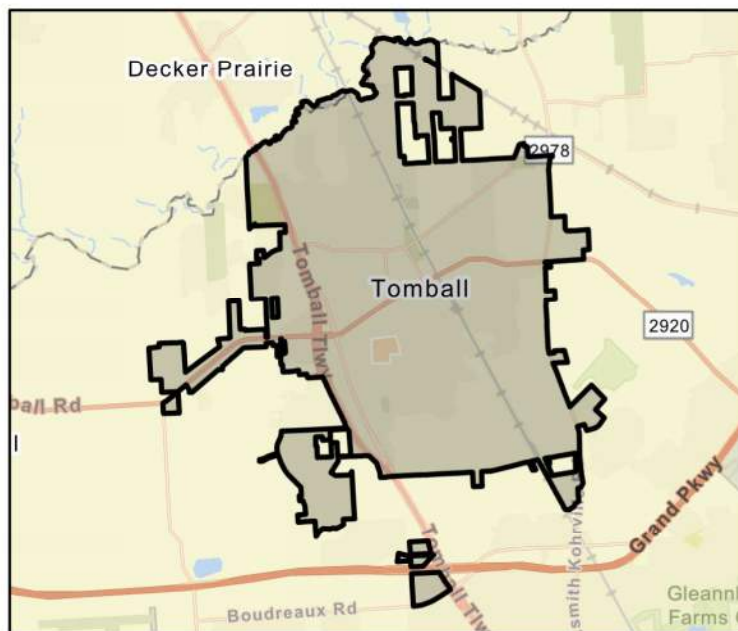
Estimated Cost and Funding Availability

Total Cost \$30,000

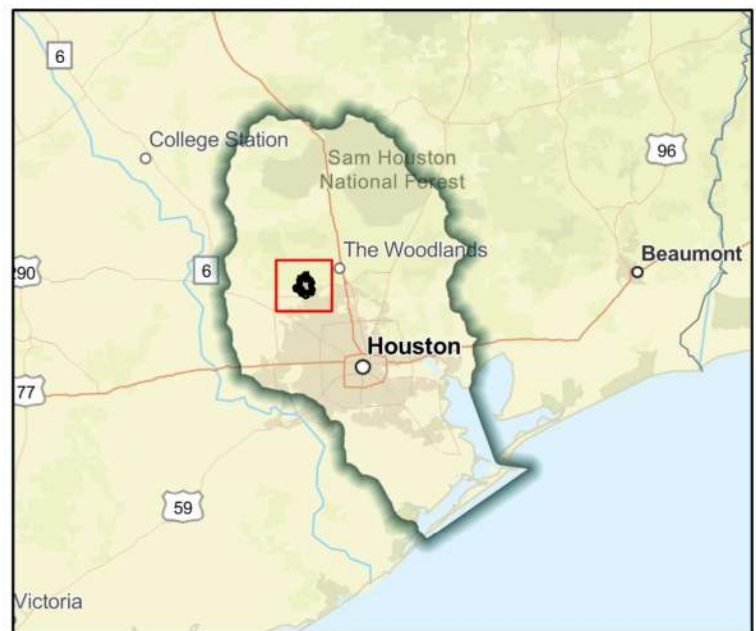
Amount of Available Funding 999999

Federal funding availability Yes

Funding source CDBG-MIT



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Missouri City Estates Drainage Improvements

ID# 061000005

Sponsor (name of entity, not person) Stafford (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study of proposed flood risk reduction project that includes drainage improvements to Missouri City Estates.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Fort Bend,Harris

Watershed HUC# (if known) 120401040401

Drainage area (Square miles, est.) 0

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 999,999

of structures 999,999

Critical facilities 999,999

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 999,999

Number of low water crossings 999,999

Historical road closures

999,999

Estimated Cost and Funding Availability

Total Cost \$100,000

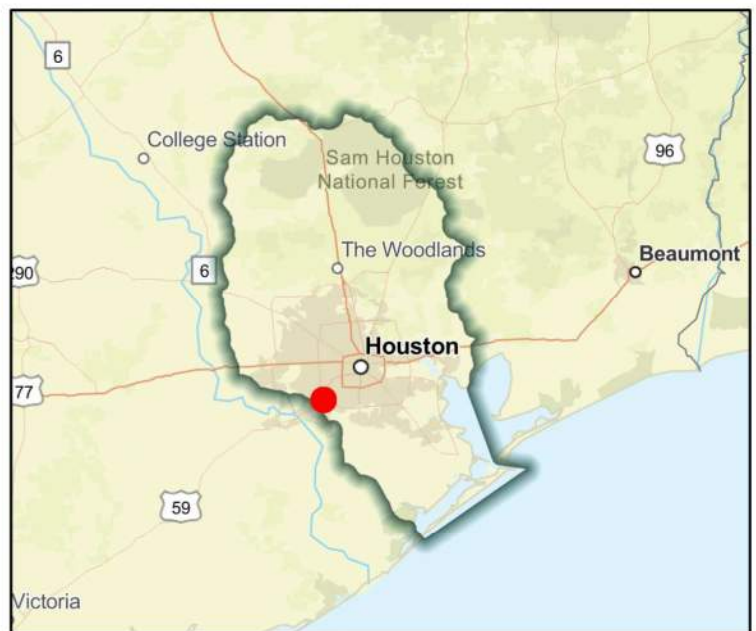
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Jamica Cove Rd. Survey**

ID# **061000145**

Sponsor (name of entity, not person) **Jamaica Beach (Municipality)**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Engineering assessment needed to determine if elevating the road would reduce future flooding impacts.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **No**

County **Galveston**

Watershed HUC# (if known) **120402040300**

Drainage area (Square miles, est.) **1**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **395**

of structures **1,276**

Critical facilities **4**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **3**

Roadway(s) impacted (length) **14**

Number of low water crossings **999,999**

Historical road closures **999,999**

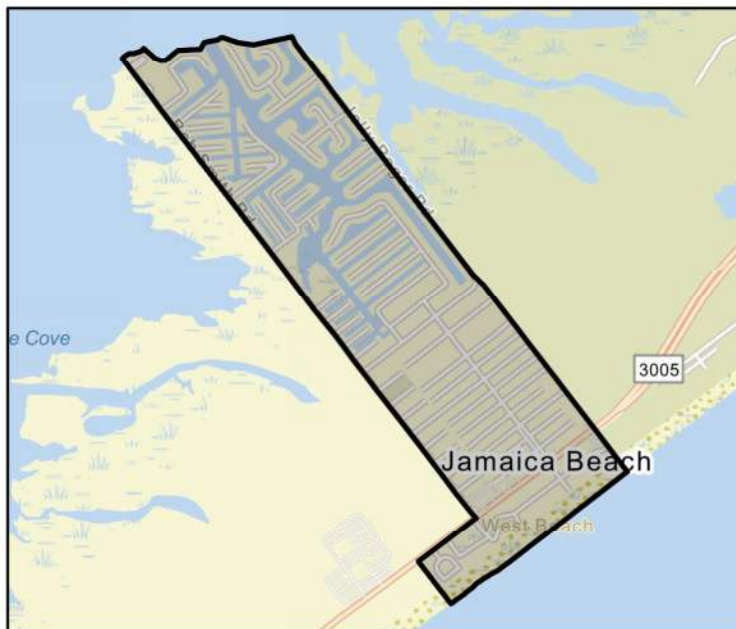
Estimated Cost and Funding Availability

Total Cost **\$140,000**

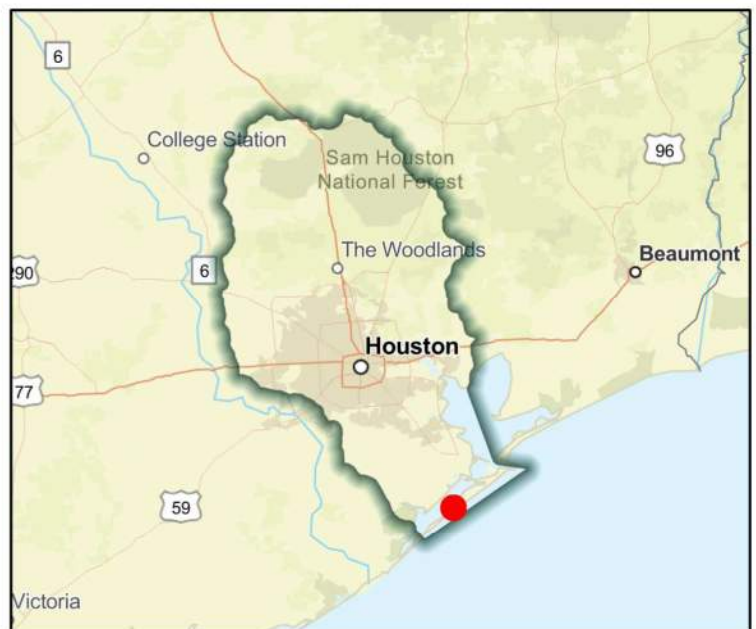
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)

ID# 061000367

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Chambers,Harris

Watershed HUC# (if known) 120401040706,120402030106,120402030200

Drainage area (Square miles, est.) 28

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 1,046

of structures 230

Critical facilities 7

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 47

Roadway(s) impacted (length) 8

Number of low water crossings 0

Historical road closures 0

Estimated Cost and Funding Availability

Total Cost \$30,000

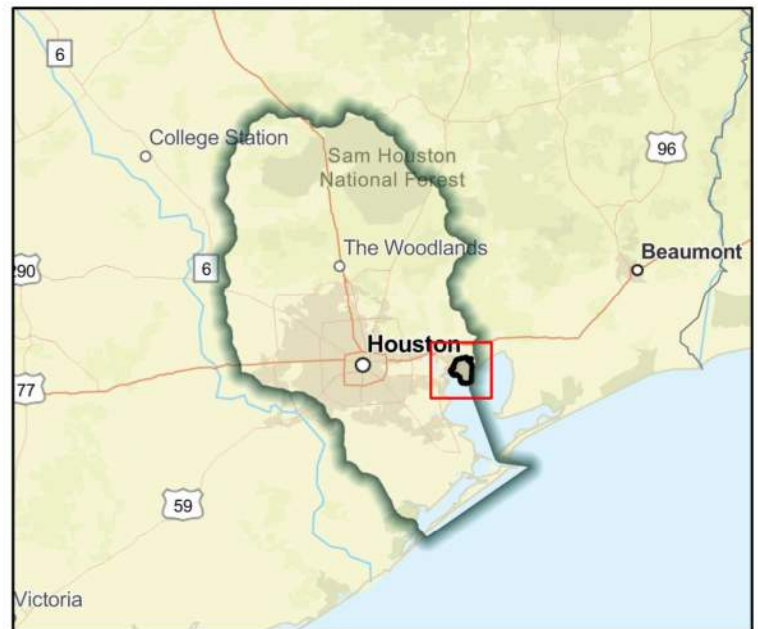
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title **Unincorporated Areas of Bacliff and San Leon Roadside Ditches & Driveway Culverts Improvements**

ID# **061000436**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type **Project Planning**

Study description **Further study of this unfunded CDBG-MIT project consists of various areas of roadside ditch and driveway culvert improvements in Bacliff and San Leon.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **No**

County **Galveston,Chambers**

Watershed HUC# (if known) **120402040200**

Drainage area (Square miles, est.) **7**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **5,906**

of structures **3,337**

Critical facilities **5**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **49**

Roadway(s) impacted (length) **50**

Number of low water crossings **0**

Historical road closures **0**

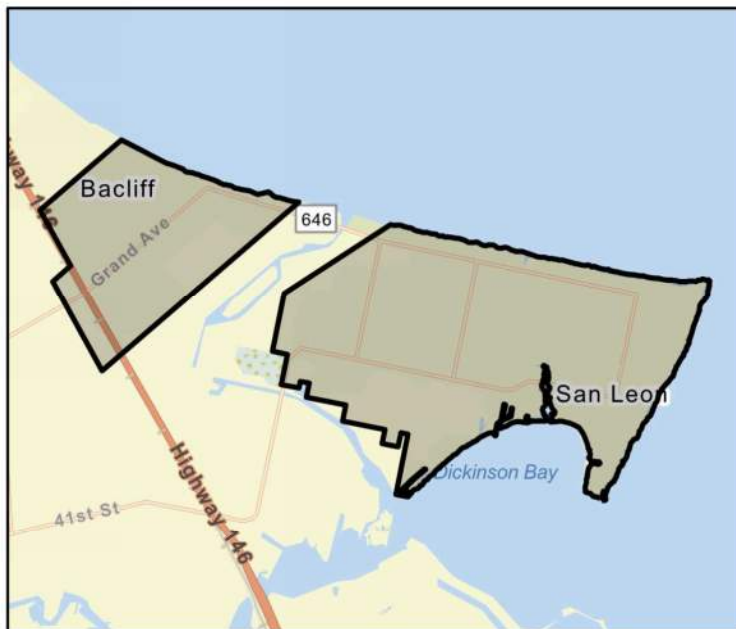
Estimated Cost and Funding Availability

Total Cost **\$30,000**

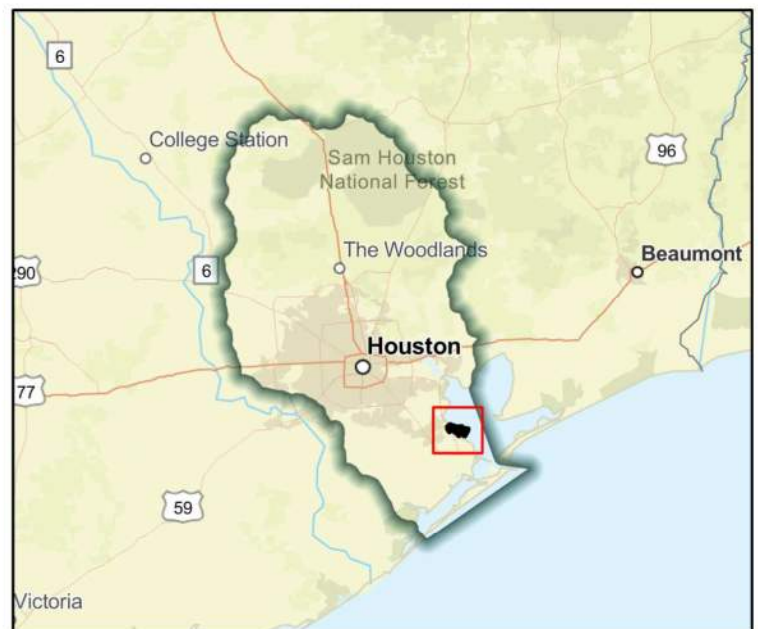
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **CDBG-MIT**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Valley - Stewarts Creek Watershed

ID# 061000455

Sponsor (name of entity, not person) Conroe (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Montgomery

Watershed HUC# (if known) 120401010207,120401010403,120401010401,120401010402,120401010

Drainage area (Square miles, est.) 20

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,384

of structures 374

Critical facilities 7

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 7

Roadway(s) impacted (length) 10

Number of low water crossings 7

Historical road closures 7

Estimated Cost and Funding Availability

Total Cost \$30,000

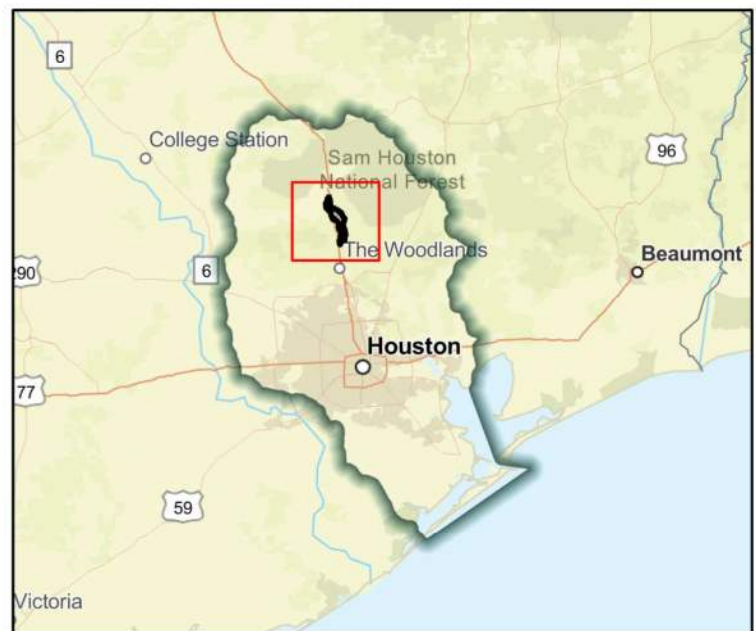
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Hunnington - Stewarts Creek Watershed**

ID# **061000456**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Montgomery**

Watershed HUC# (if known) **120401010207,120401010403,120401010401,120401010402,120401010**

Drainage area (Square miles, est.) **20**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,384**

of structures **374**

Critical facilities **7**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **7**

Roadway(s) impacted (length) **10**

Number of low water crossings **7**

Historical road closures **7**

Estimated Cost and Funding Availability

Total Cost **\$30,000**

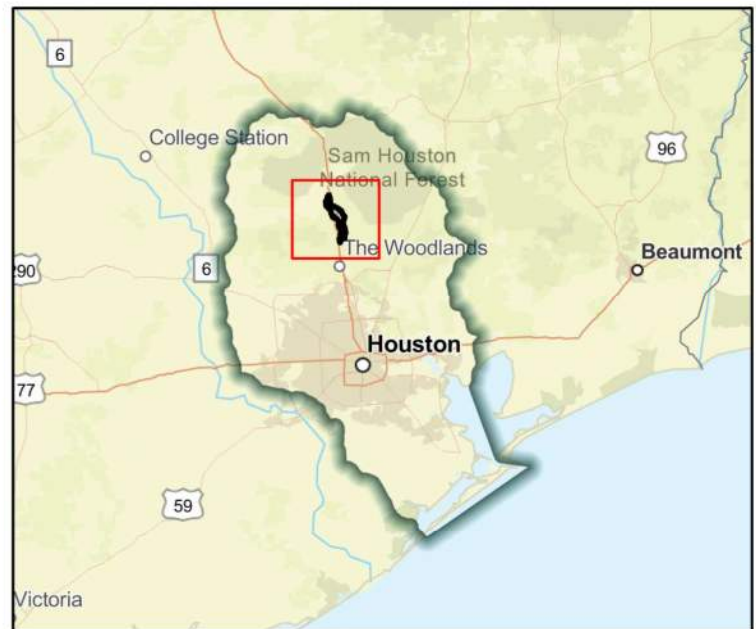
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Avenue M - Stewarts Creek Watershed

ID# 061000457

Sponsor (name of entity, not person) Conroe (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Montgomery

Watershed HUC# (if known) 120401010207,120401010403,120401010401,120401010402,120401010

Drainage area (Square miles, est.) 20

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,384

of structures 374

Critical facilities 7

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 7

Roadway(s) impacted (length) 10

Number of low water crossings 7

Historical road closures 7

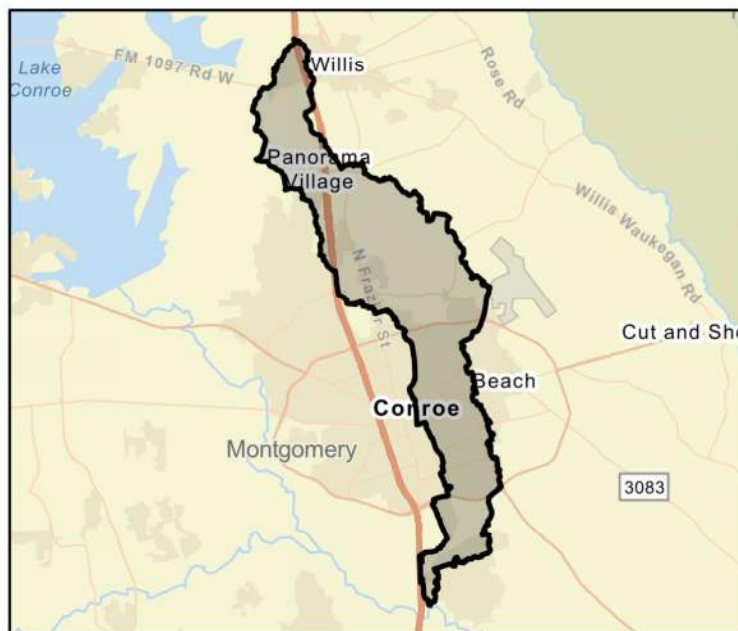
Estimated Cost and Funding Availability

Total Cost \$30,000

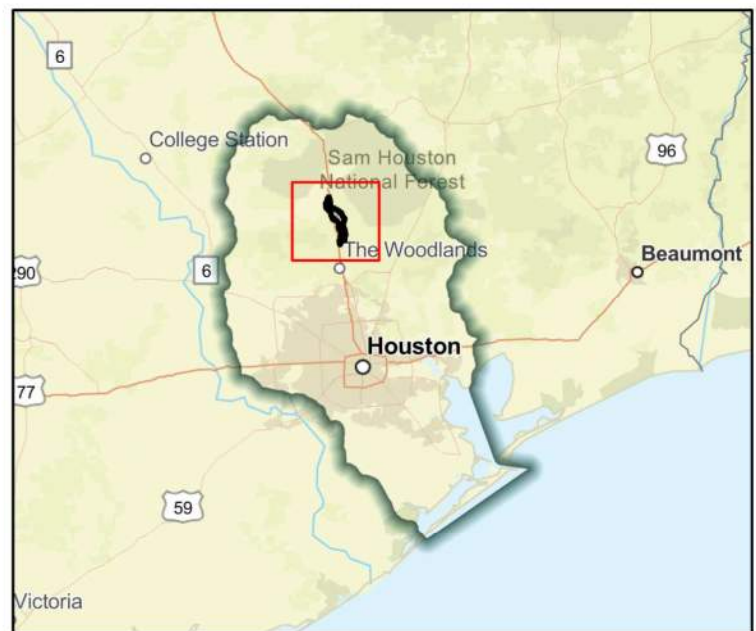
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **South 3rd - Stewarts Creek Watershed**

ID# **061000458**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Montgomery**

Watershed HUC# (if known) **120401010207,120401010403,120401010401,120401010402,120401010**

Drainage area (Square miles, est.) **20**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,384**

of structures **374**

Critical facilities **7**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **7**

Roadway(s) impacted (length) **10**

Number of low water crossings **7**

Historical road closures **7**

Estimated Cost and Funding Availability

Total Cost **\$30,000**

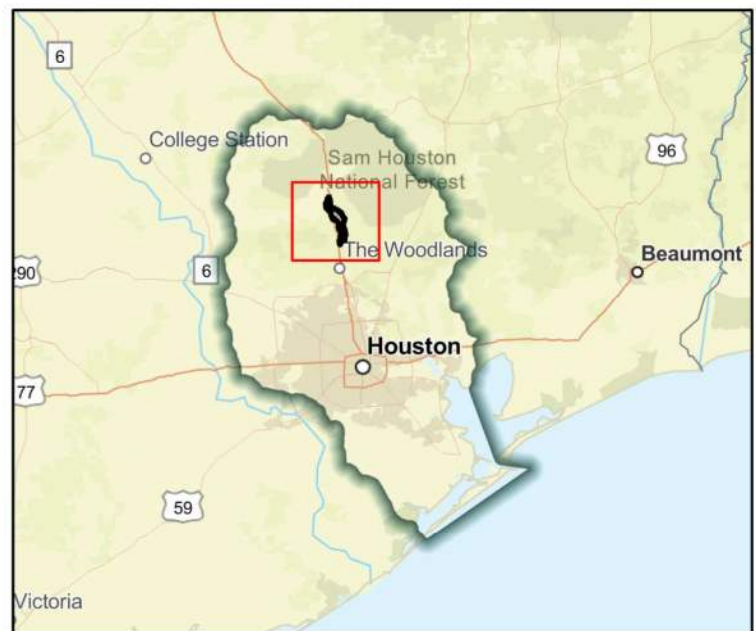
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Greens Bayou - P142-00-00

ID# 061000205

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Project Planning

Study description Further study of Flood Risk Reduction need identified through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040603

Drainage area (Square miles, est.) 2

Goal(s) 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk 5,085

of structures 997

Critical facilities 7

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1

Roadway(s) impacted (length) 23

Number of low water crossings 0

Historical road closures

0

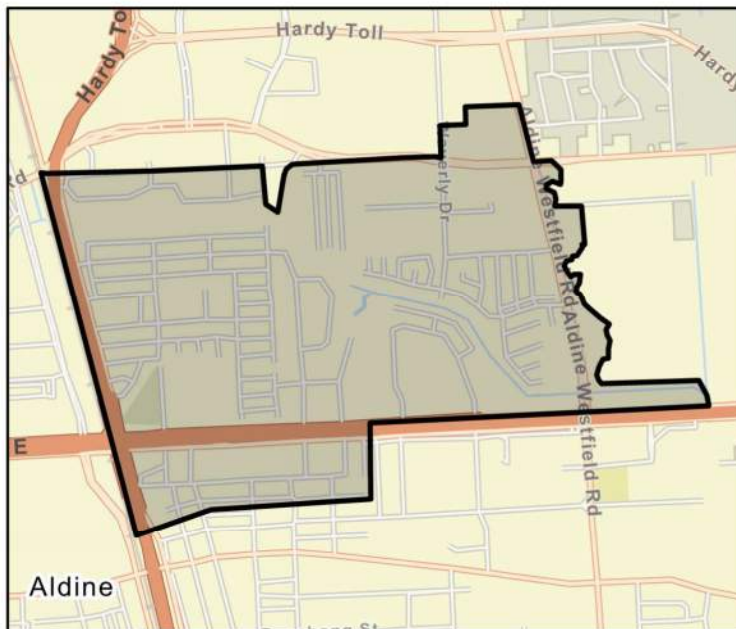
Estimated Cost and Funding Availability

Total Cost \$100,000

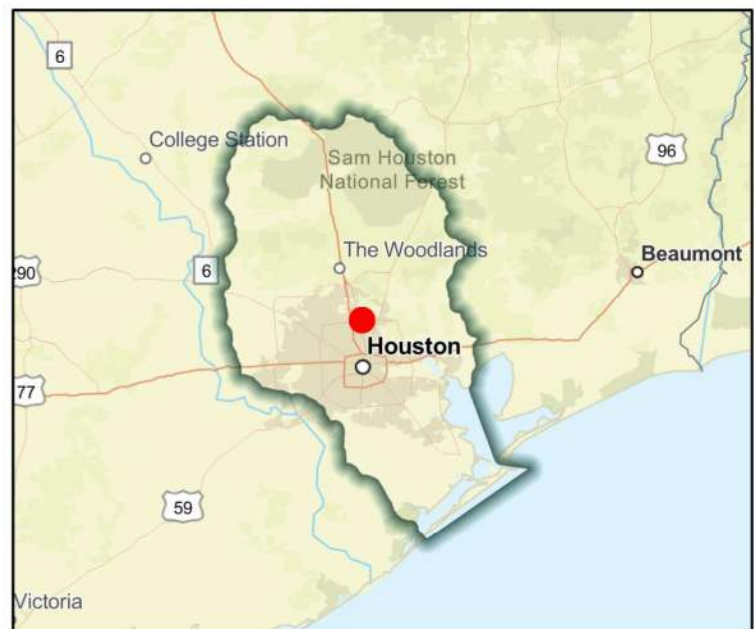
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek

ID# 061000312

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop BCA to become a FMP. This project is part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040102,120401040202,120401040104,120401040203,120401040

Drainage area (Square miles, est.) 16

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 3,061

of structures 692

Critical facilities 12

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 27

Roadway(s) impacted (length) 12

Number of low water crossings 0

Historical road closures

0

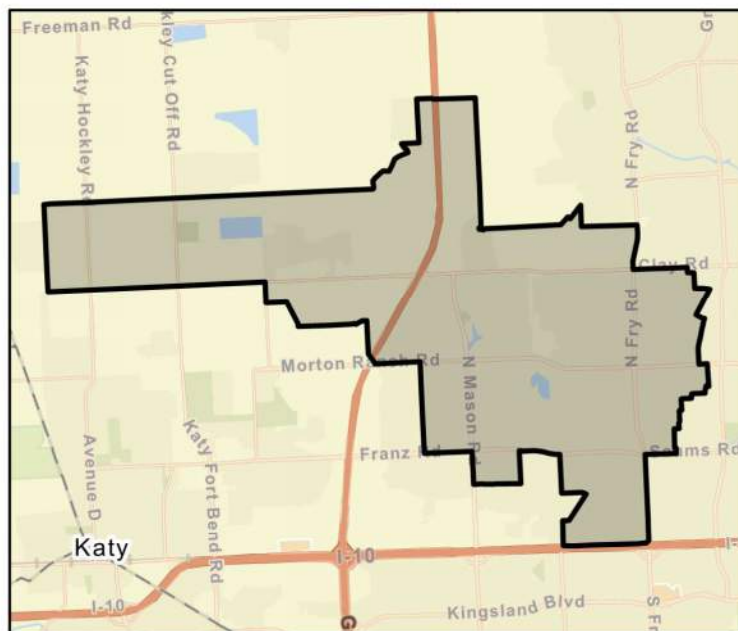
Estimated Cost and Funding Availability

Total Cost \$30,000

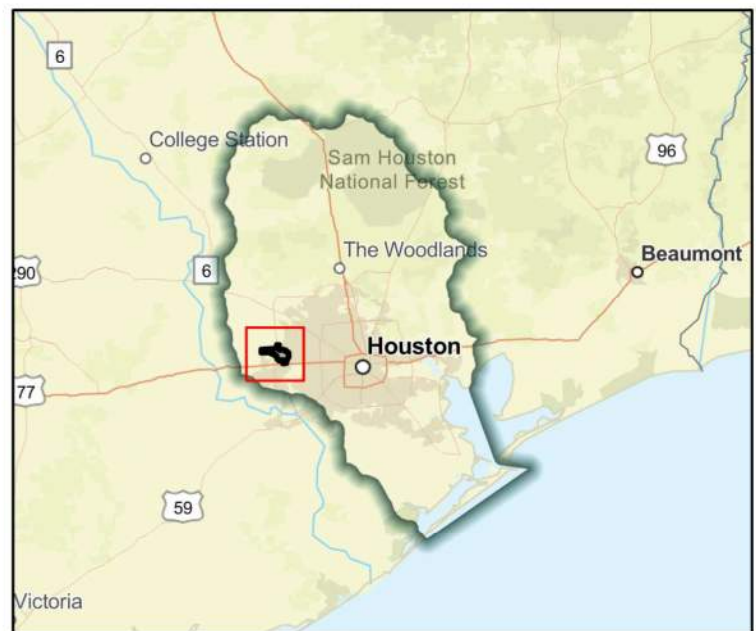
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Addicks Reservoir - Design and Construction of Dinner Creek Stormwater Detention Basin

ID# 061000313

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop BCA to become a FMP. Project would provide additional stormwater detention in support of flood damage reduction and could reduce the risk of flooding for approximately 30 multi-family structures in Addicks Reservoir Watershed.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040102,120401040202,120401040104,120401040203,120401040

Drainage area (Square miles, est.) 16

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 3,061

of structures 692

Critical facilities 12

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 27

Roadway(s) impacted (length) 12

Number of low water crossings 0

Historical road closures

0

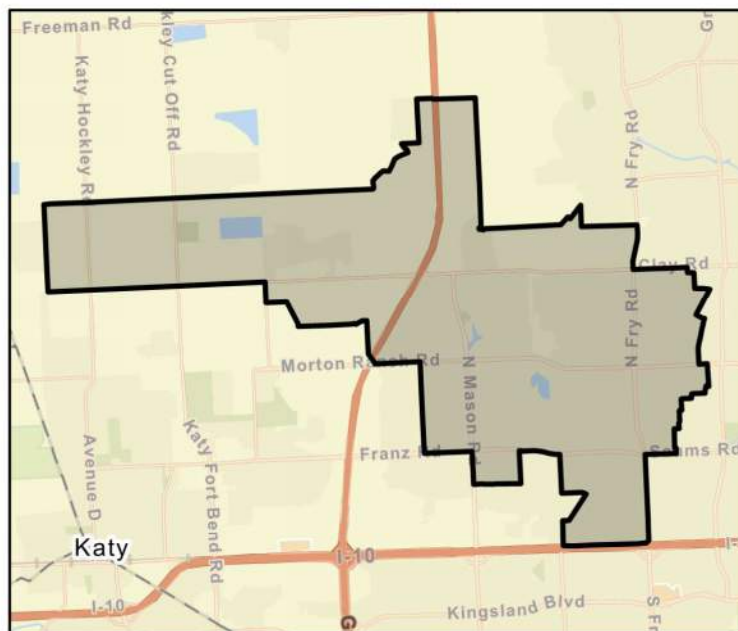
Estimated Cost and Funding Availability

Total Cost \$30,000

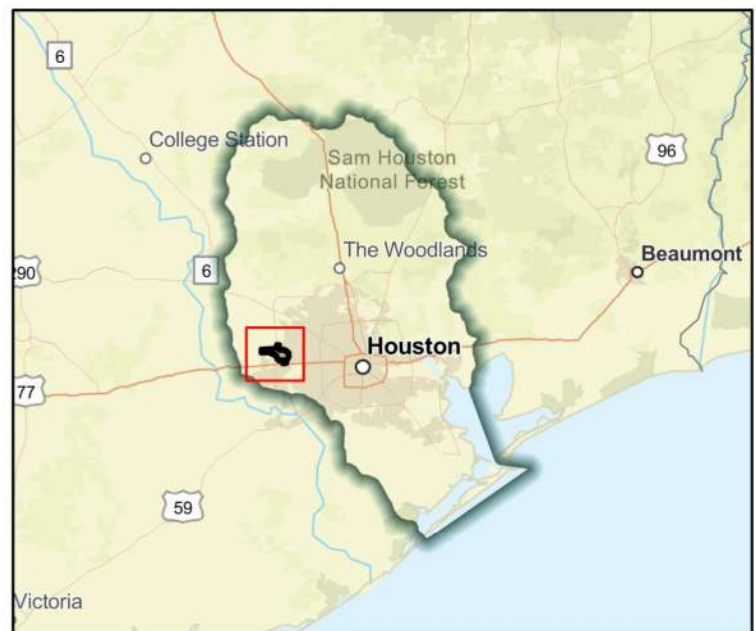
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Addicks Reservoir - Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek

ID# 061000441

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop BCA to become a FMP. This project is part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040102,120401040202,120401040104,120401040203,120401040

Drainage area (Square miles, est.) 16

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 3,061

of structures 692

Critical facilities 12

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 27

Roadway(s) impacted (length) 12

Number of low water crossings 0

Historical road closures 0

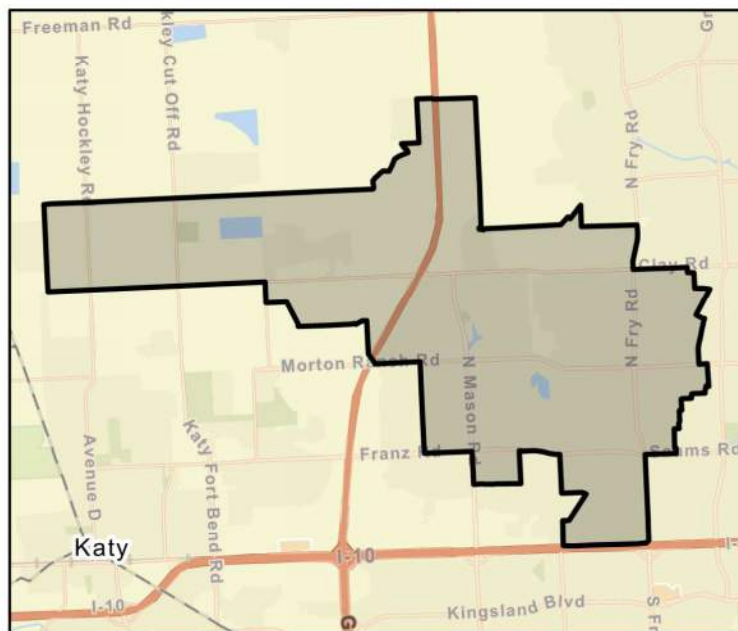
Estimated Cost and Funding Availability

Total Cost \$30,000

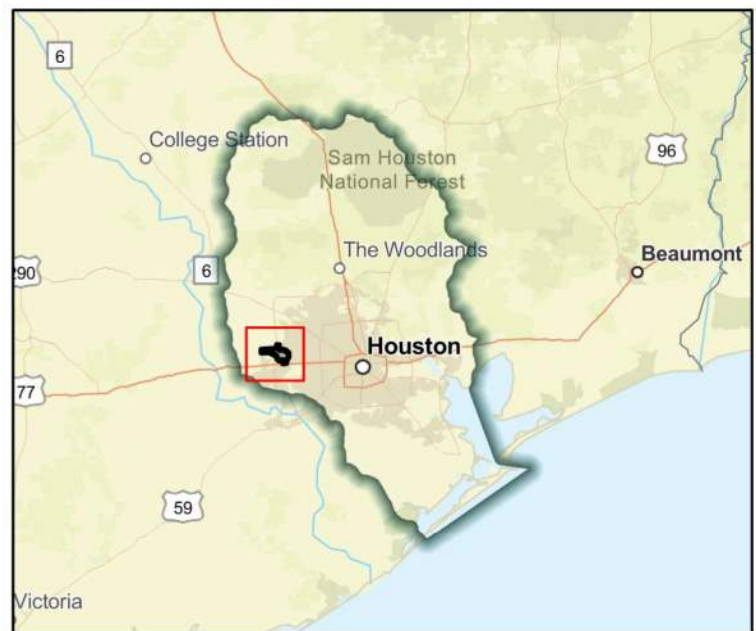
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Houston Braeburn Glen Area Flood Mitigation**

ID# **061000384**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Further study of a proposed project that includes upsizing of the existing stormwater system with new pipes, inlets, and manholes. Lateral improvement will be completed on Mahoning Drive and Valley View Lane.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Fort Bend,Harris**

Watershed HUC# (if known) **120401040401**

Drainage area (Square miles, est.) **96**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **267,993**

of structures **32,129**

Critical facilities **448**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **42**

Roadway(s) impacted (length) **412**

Number of low water crossings **1**

Historical road closures

1

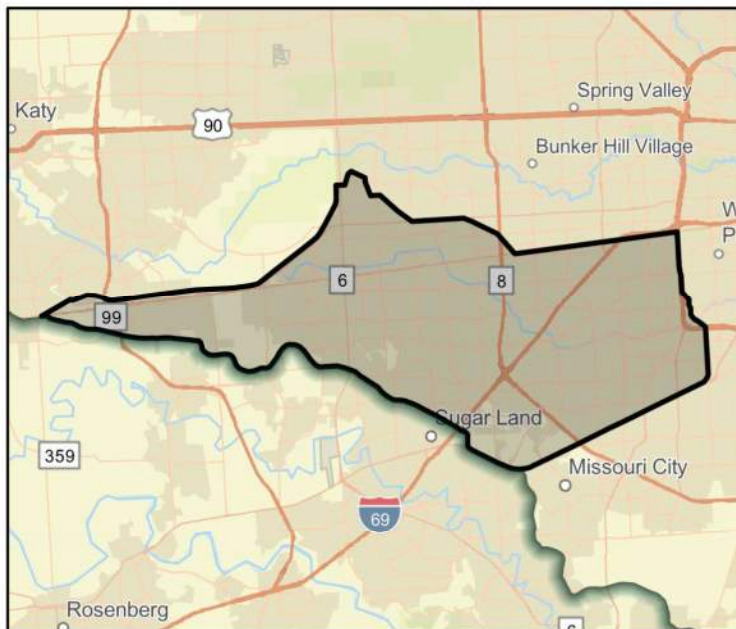
Estimated Cost and Funding Availability

Total Cost **\$30,000**

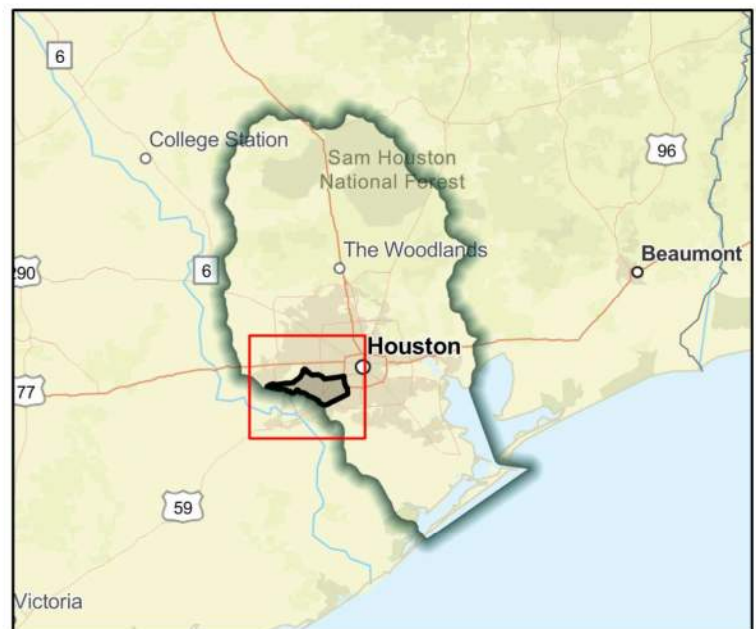
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **CDBG-MIT**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942

ID# 061000376

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements from US 90 to FM 1942.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Chambers,Harris,Liberty

Watershed HUC# (if known) 120401030205,120401040705,120401040706,120401040704,120402030

Drainage area (Square miles, est.) 47

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 345

of structures 228

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 892

Roadway(s) impacted (length) 12

Number of low water crossings 0

Historical road closures

0

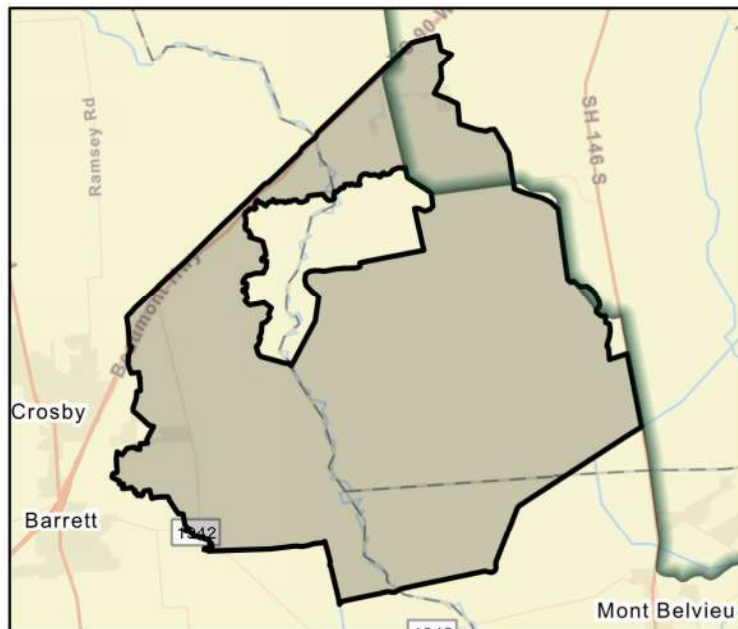
Estimated Cost and Funding Availability

Total Cost \$30,000

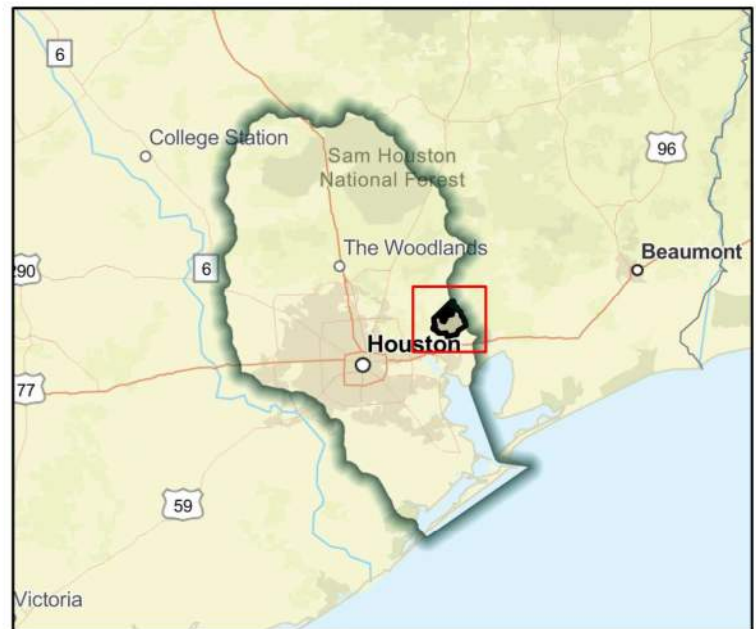
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

REGION 6

Title **Raise Road Surfaces in City of Plum Grove**

ID# **061000102**

Sponsor (name of entity, not person) **Plum Grove (Municipality)**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further evaluation of road surface elevation.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **No**

County **Liberty**

Watershed HUC# (if known) **120401030402**

Drainage area (Square miles, est.) **4**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **589**

of structures **363**

Critical facilities **1**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **9**

Roadway(s) impacted (length) **9**

Number of low water crossings **0**

Historical road closures **0**

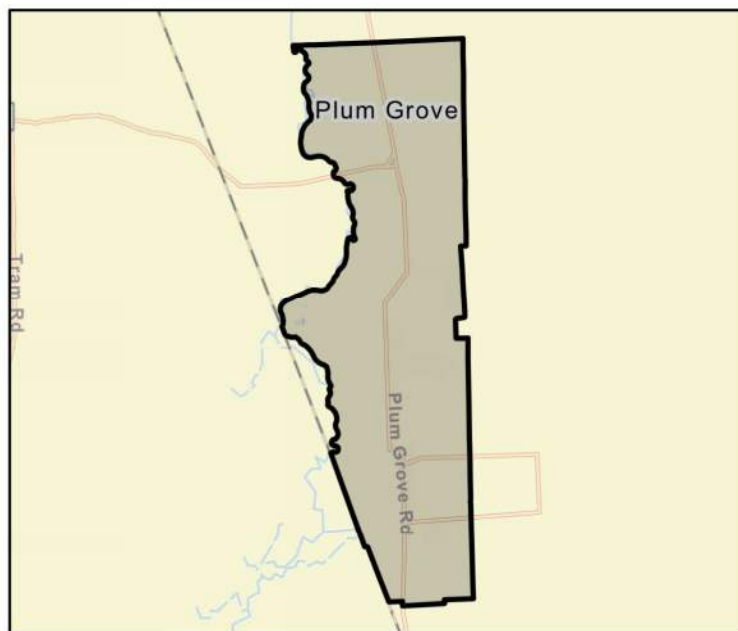
Estimated Cost and Funding Availability

Total Cost **\$35,000**

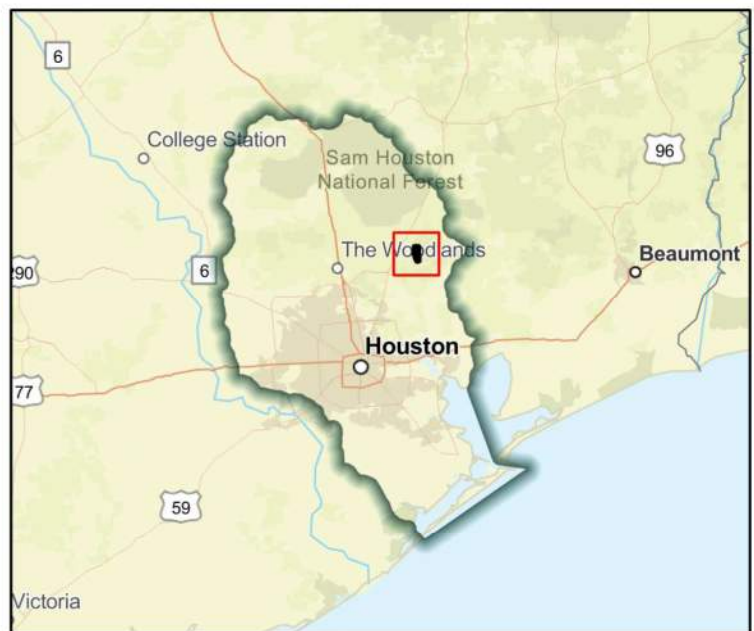
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Carpenters Planing Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)**

ID# **061000333**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a BCR required for this project to become a FMP. Drainage system upgrade using combination of 9'x7' RCB spanning 3,000' and a 109 acre-feet detention facility providing drainage relief for this portion of the Cloverleaf Community.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040702,120401040606**

Drainage area (Square miles, est.) **1**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **0**

of structures **0**

Critical facilities **0**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **999,999**

Roadway(s) impacted (length) **999,999**

Number of low water crossings **999,999**

Historical road closures **999,999**

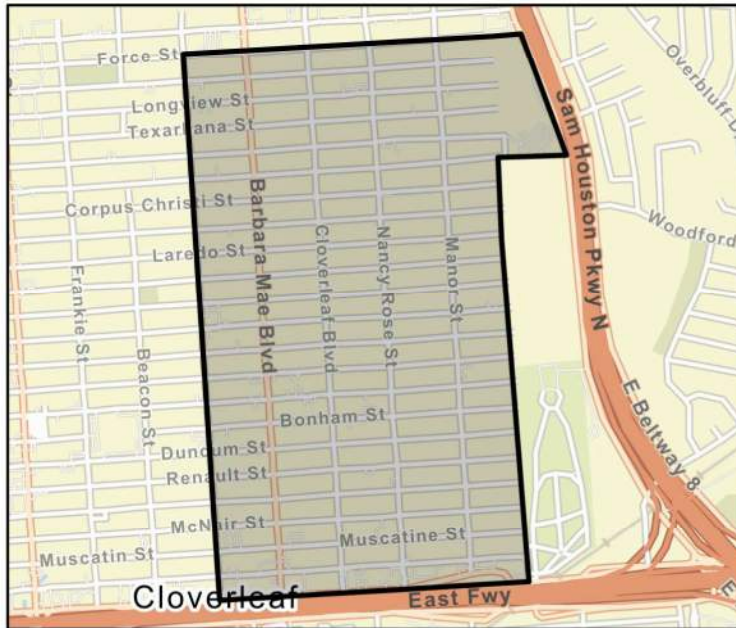
Estimated Cost and Funding Availability

Total Cost **\$30,000**

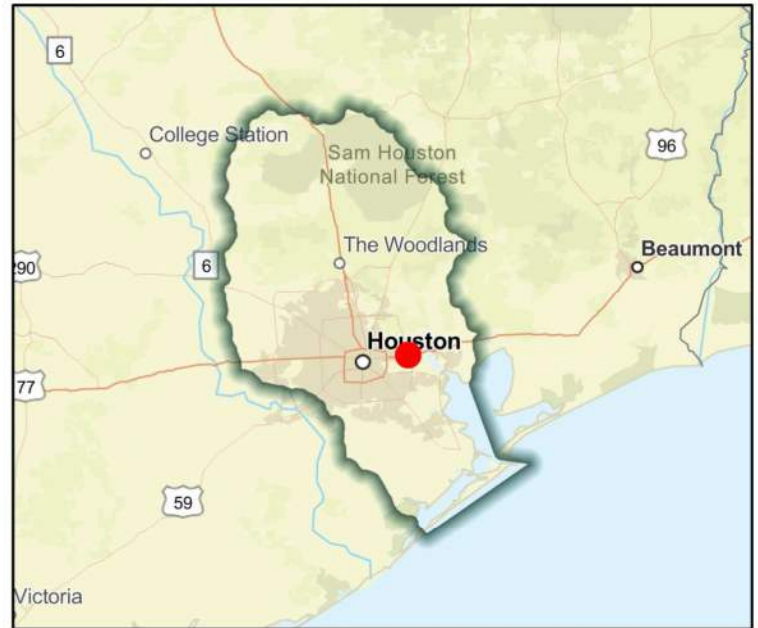
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **HCFC**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Goose Creek O119-00-00-P001 (Alt 2A1)**

ID# **061000362**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel modifications and in-line stormwater detention along O119 to facilitate Harris County drainage improvements in Highland Mobile Estates.**

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

County **Harris** Watershed HUC# (if known) **120401040705,120402030104**

Drainage area (Square miles, est.) **0** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **999,999** # of structures **999,999** Critical facilities **999,999**

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

Farm/Ranch land impacted (acres) **999,999** Roadway(s) impacted (length) **999,999**

Number of low water crossings **999,999** Historical road closures **999,999**

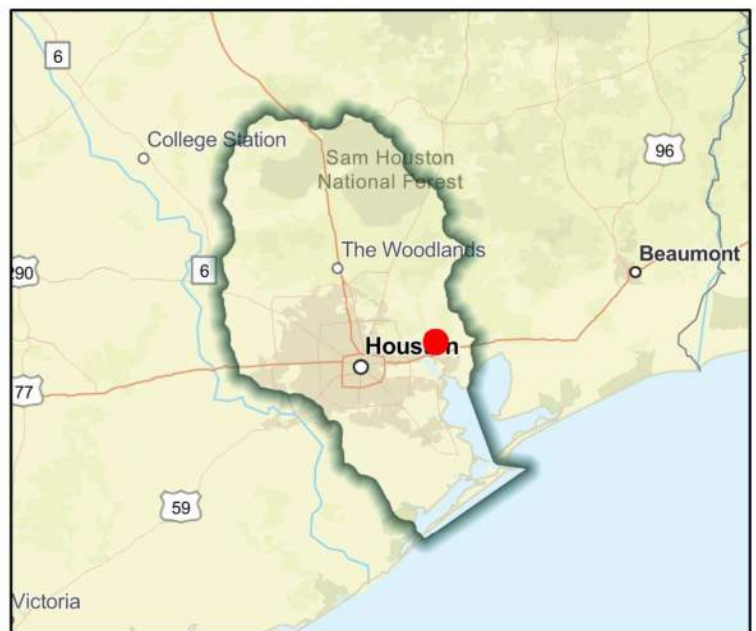
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **999999** Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Goose Creek O119-00-00-P001 (Alt 2A3)**

ID# **061000363**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Secondary option for the recommended alternative with less benefits and project cost.**

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

County **Harris** Watershed HUC# (if known) **120401040705,120402030104**

Drainage area (Square miles, est.) **0** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **999,999** # of structures **999,999** Critical facilities **999,999**

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

Farm/Ranch land impacted (acres) **999,999** Roadway(s) impacted (length) **999,999**

Number of low water crossings **999,999** Historical road closures **999,999**

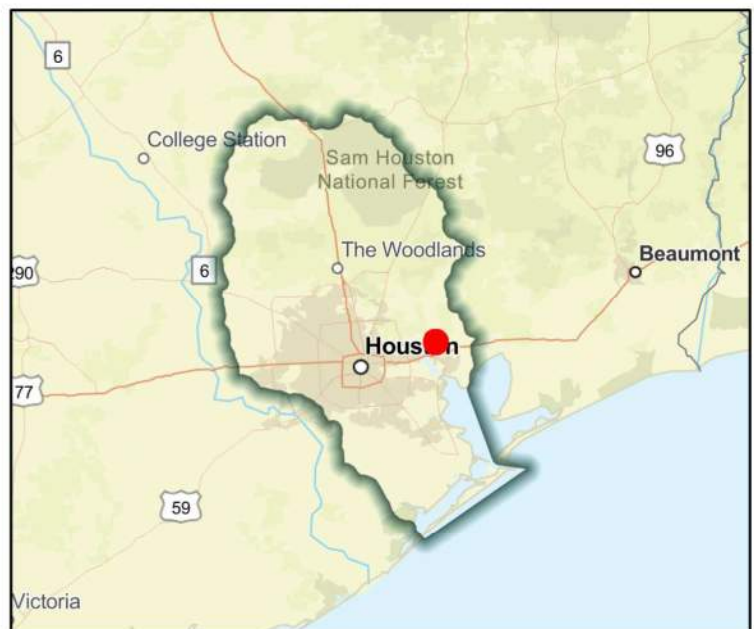
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **999999** Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00

ID# 061000394

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Project Planning

Study description Develop BCA to become a FMP. This project could reduce the risk of flooding for over 210 structures and could reduce the 1% rainfall event for over 170 acres as part of the Halls Ahead Bond Implementation Program.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040605,120401040601,120401040302,120401040604,120401040

Drainage area (Square miles, est.) 7

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 64

of structures 39

Critical facilities 2

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length) 1

Number of low water crossings 0

Historical road closures 0

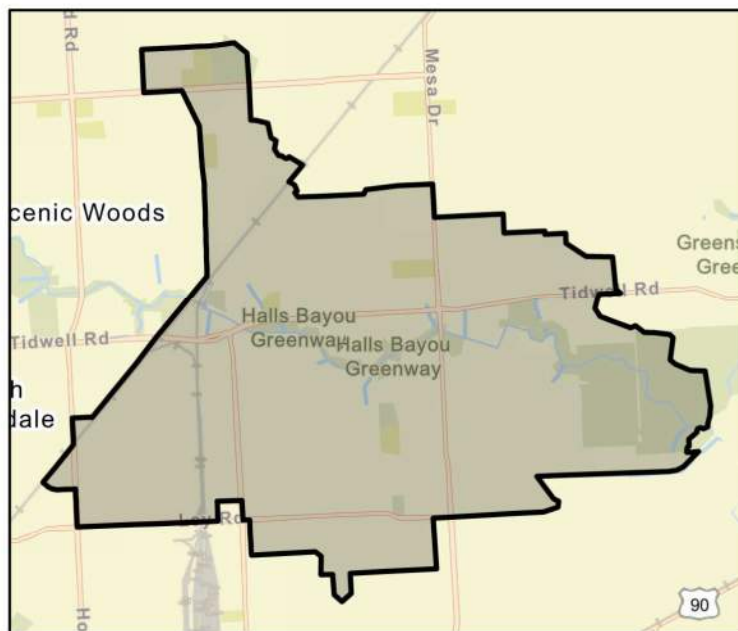
Estimated Cost and Funding Availability

Total Cost \$30,000

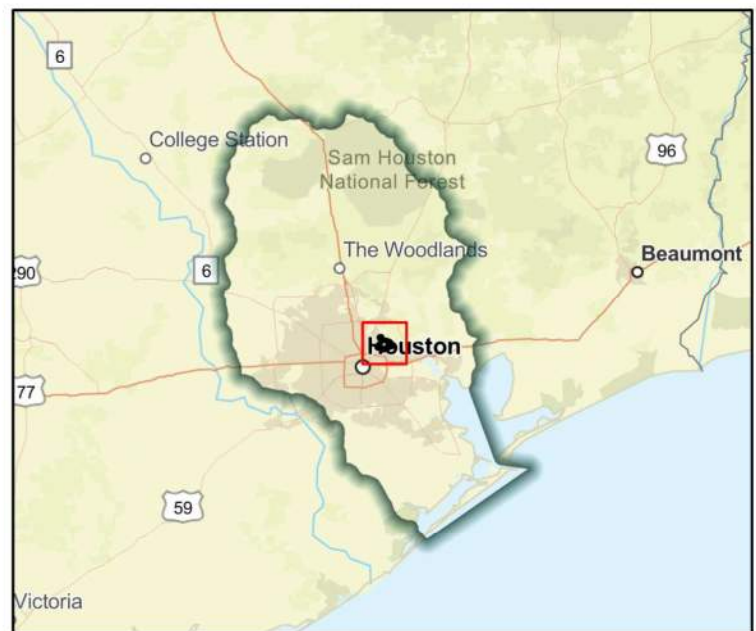
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00**

ID# **061000395**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 80+ structures, size of the floodplain by 30+ acres & frequency & duration of flooding of up to half a mile of roadway in an Atlas 14 1% event.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040605,120401040601,120401040302,120401040604,120401040**

Drainage area (Square miles, est.) **6**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **446**

of structures **260**

Critical facilities **3**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **0**

Roadway(s) impacted (length) **4**

Number of low water crossings **0**

Historical road closures **0**

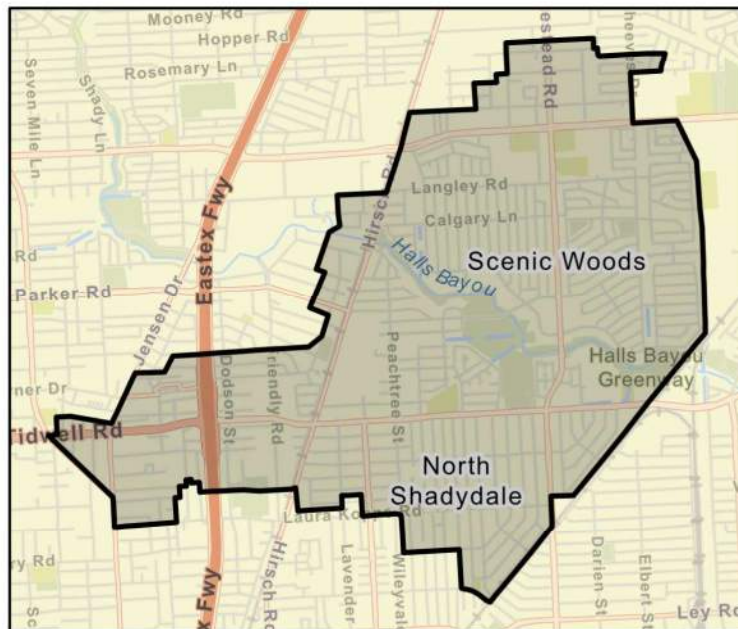
Estimated Cost and Funding Availability

Total Cost **\$30,000**

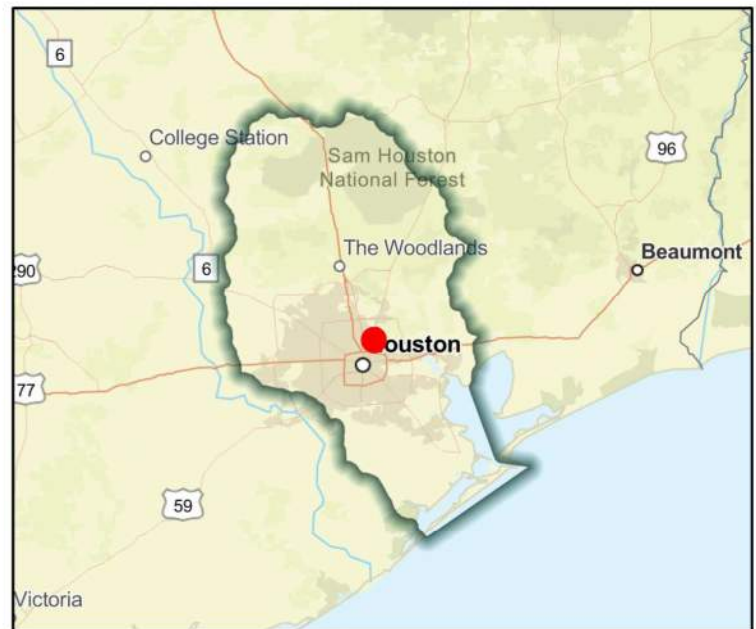
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Houston Fifth Area Flood Mitigation**

ID# **061000417**

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

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study to develop this project into a FMP. This unfunded CDBG-MIT application involves installing various storm sewer infrastructure in the Fifth Ward within the City of Houston.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040701**

Drainage area (Square miles, est.) **41**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **34,532**

of structures **6,262**

Critical facilities **112**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **20**

Roadway(s) impacted (length) **101**

Number of low water crossings **6**

Historical road closures **6**

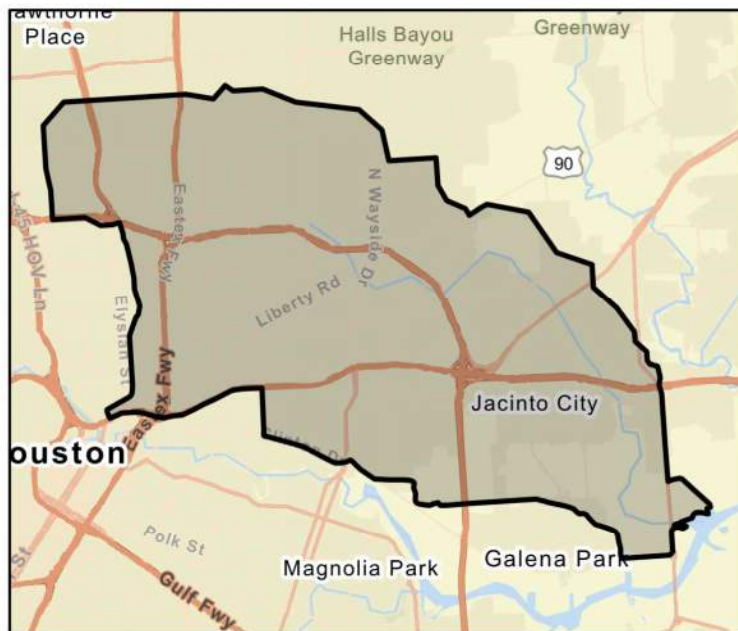
Estimated Cost and Funding Availability

Total Cost **\$30,000**

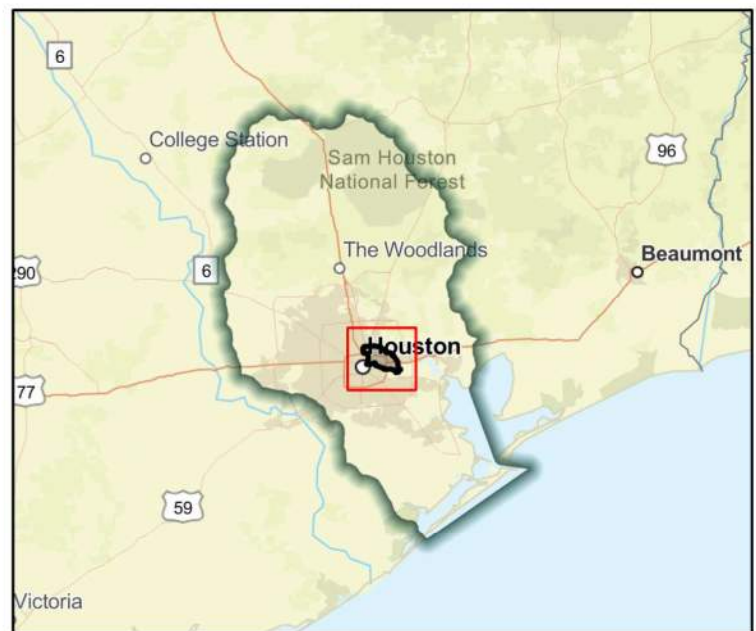
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **CDBG-MIT**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Houston Port Area Flood Mitigation**

ID# **061000418**

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

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study to develop this project into a FMP. The project includes storm sewer improvements on nearly every street in the Pleasantville neighborhood to improve conveyance capacity and construction of a detention basin.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040701**

Drainage area (Square miles, est.) **41**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **34,532**

of structures **6,262**

Critical facilities **112**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **20**

Roadway(s) impacted (length) **101**

Number of low water crossings **6**

Historical road closures **6**

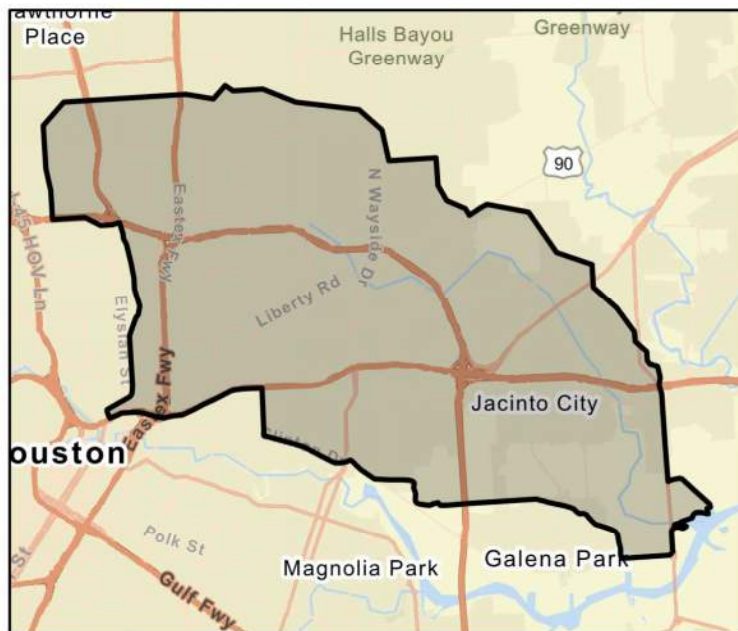
Estimated Cost and Funding Availability

Total Cost **\$30,000**

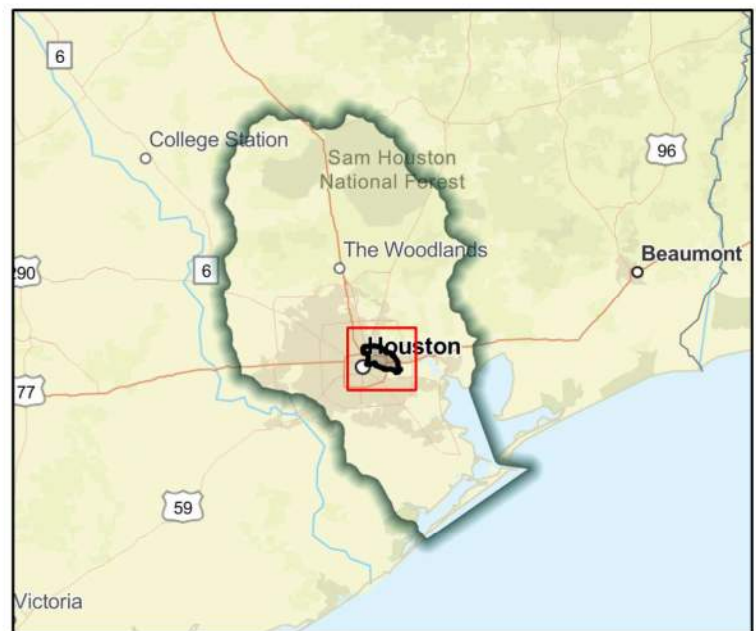
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **CDBG-MIT**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Cannon Ditch Segment 2

ID# 061000054

Sponsor (name of entity, not person) Pearland (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Brazoria

Watershed HUC# (if known) 120402040200,120402040100

Drainage area (Square miles, est.) 6

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 814

of structures 574

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 27

Roadway(s) impacted (length) 3

Number of low water crossings 0

Historical road closures

0

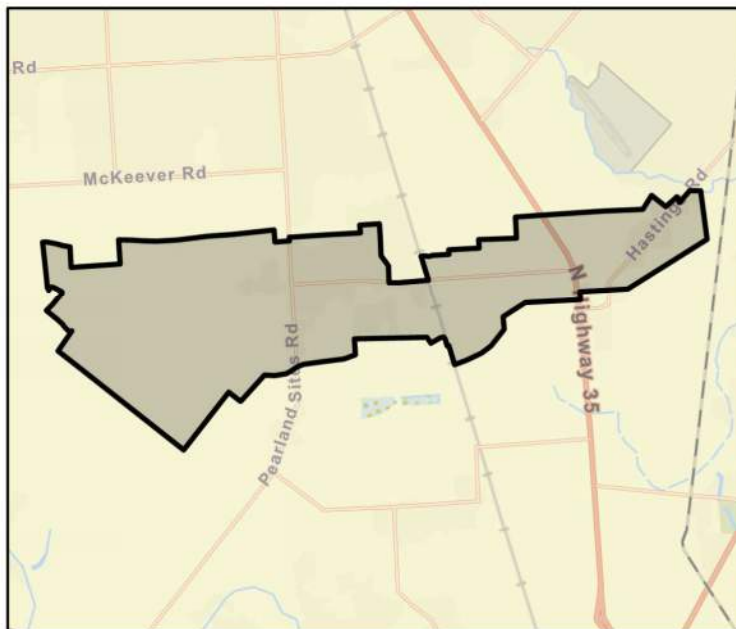
Estimated Cost and Funding Availability

Total Cost \$260,000

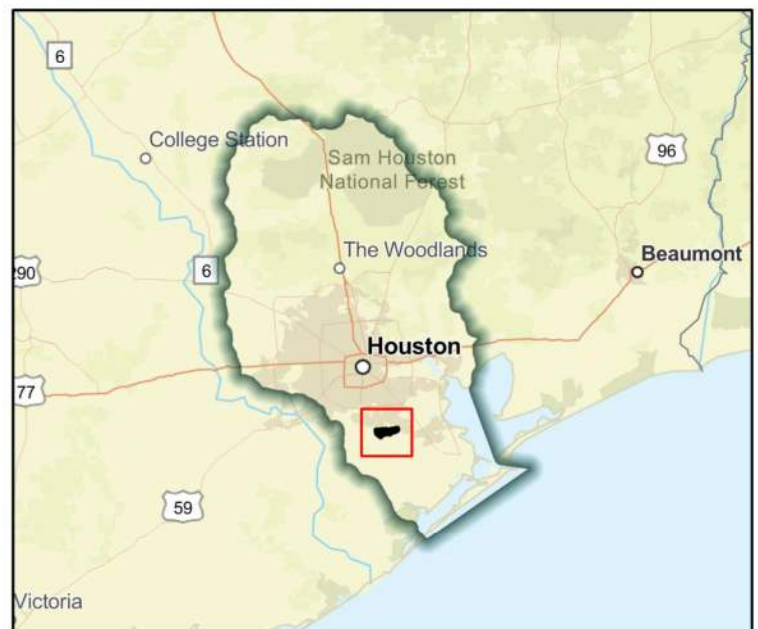
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Galveston Bay Watershed Plan- PA01 (N+6) Channel & Crossing Improvements

ID# 061000343

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Project Planning

Study description Develop BCA to become FMP. Channel deepening from N Broadway St to N Utah St, convert open channel segment to closed conduit w/ 8'x5' concrete boxes b/w N Utah St & Main St, replace concrete pipe w/ dual 8'x5' concrete box culvert outfall to F212.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120402040100

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 648

of structures 259

Critical facilities 7

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length) 5

Number of low water crossings 0

Historical road closures 0

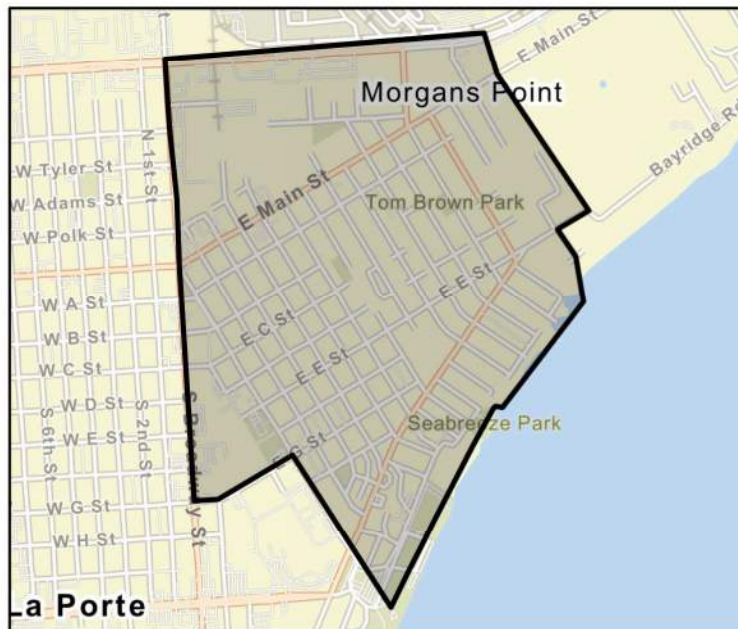
Estimated Cost and Funding Availability

Total Cost \$30,000

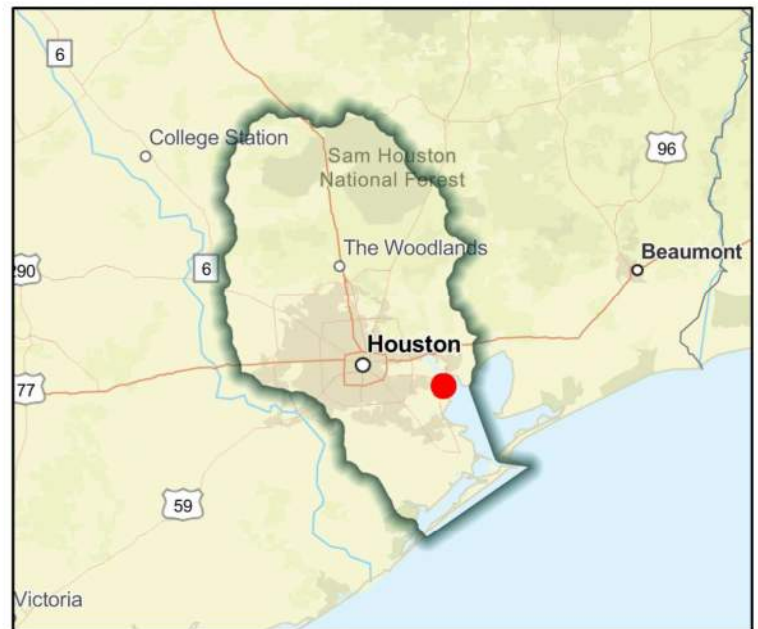
Amount of Available Funding 999999

Federal funding availability Yes

Funding source Harris County, City of La Porte



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Willow Creek Watershed Plan- Immediate: Selective Clearing BNRR to Mouth

ID# 061000338

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a BCR required for this project to become a FMP. Selective clearing from BNRR to mouth to increase riverine storm water conveyance, maintain tree canopy & veg. diversity, minimize impact on riparian & uplands habitats.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401020106,120401020105,120401020210

Drainage area (Square miles, est.) 11

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,443

of structures 828

Critical facilities 6

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 56

Roadway(s) impacted (length) 25

Number of low water crossings 5

Historical road closures

5

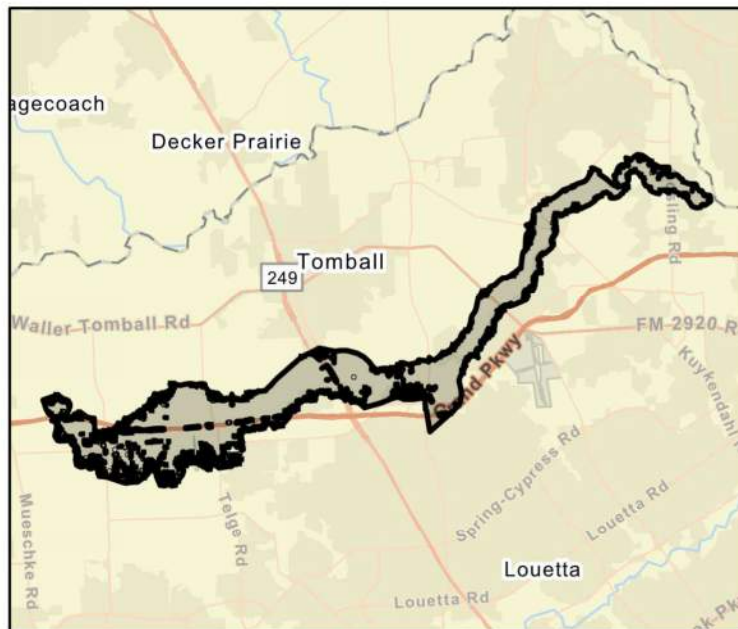
Estimated Cost and Funding Availability

Total Cost \$30,000

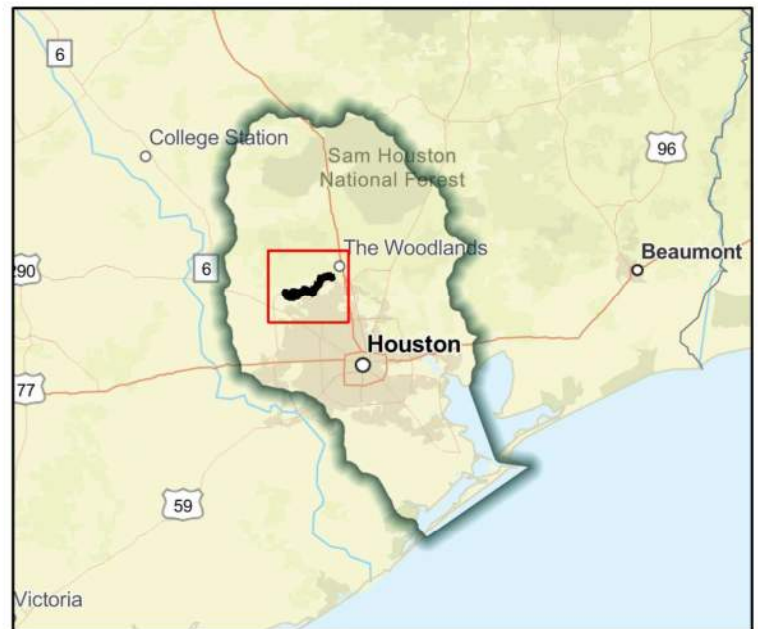
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 2018 Bond Fund



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Willow Creek Watershed Plan- FM2920 Stormwater Detention Basin

ID# 061000340

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 826 acre-feet detention basin located near FM 2920 crossing of Willow Creek.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401020106,120401020105,120401020210

Drainage area (Square miles, est.) 11

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,443

of structures 828

Critical facilities 6

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 56

Roadway(s) impacted (length) 25

Number of low water crossings 5

Historical road closures

5

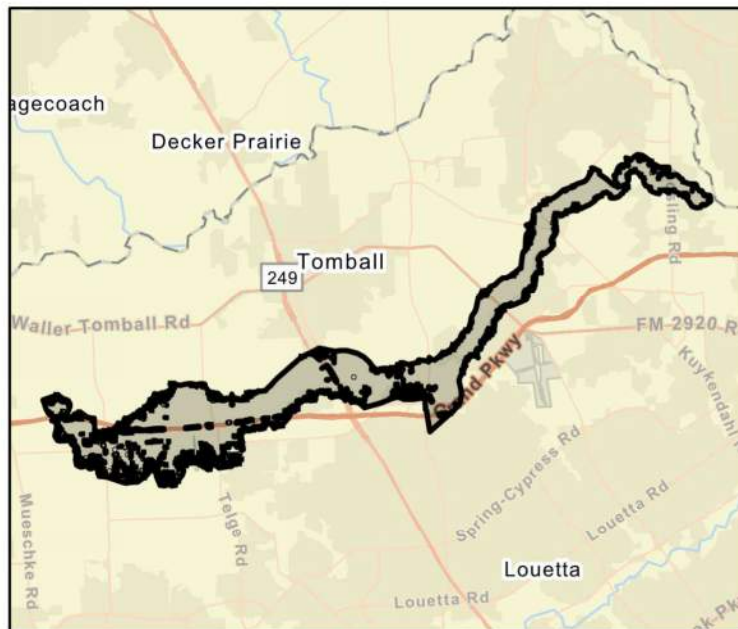
Estimated Cost and Funding Availability

Total Cost \$30,000

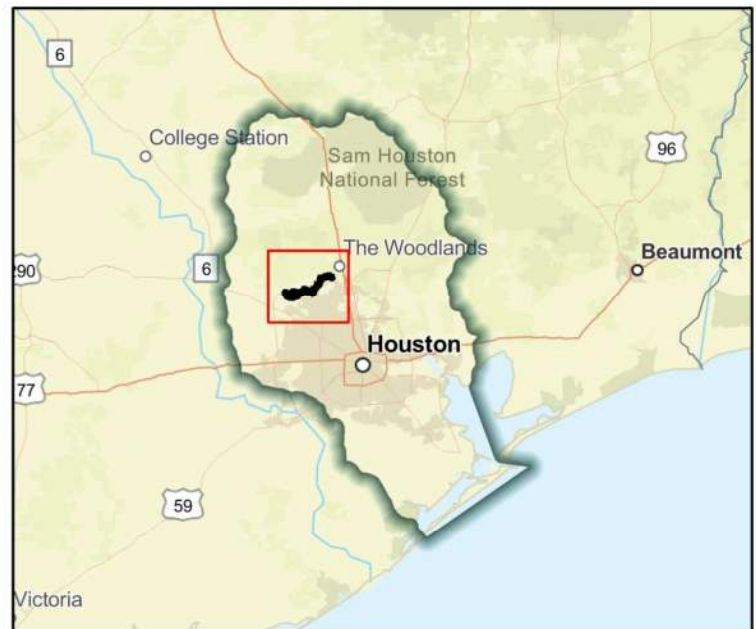
Amount of Available Funding 999999

Federal funding availability Yes

Funding source Harris County



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Willow Creek Watershed Plan- Kuykendahl Basin

ID# 061000341

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 727 acre-feet detention basin located near Kuykendahl Road crossing of Willow Creek.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401020106,120401020105,120401020210

Drainage area (Square miles, est.) 11

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,443

of structures 828

Critical facilities 6

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 56

Roadway(s) impacted (length) 25

Number of low water crossings 5

Historical road closures 5

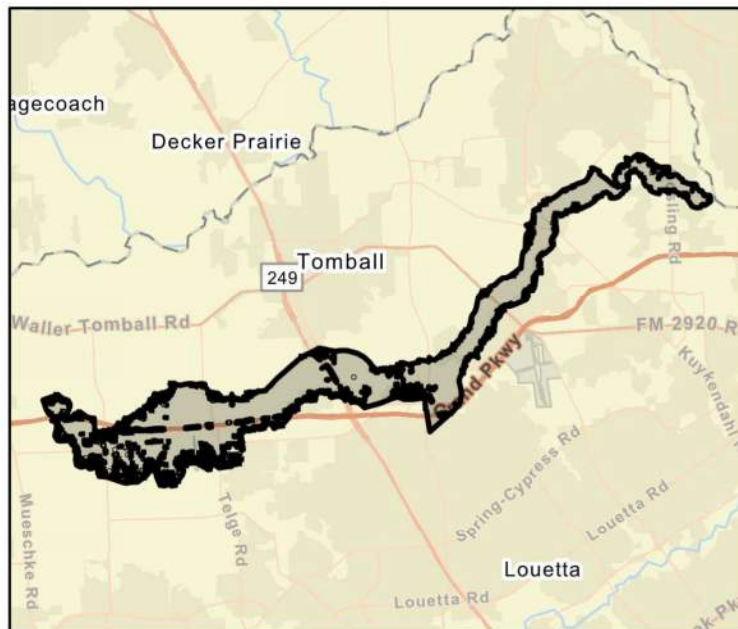
Estimated Cost and Funding Availability

Total Cost \$30,000

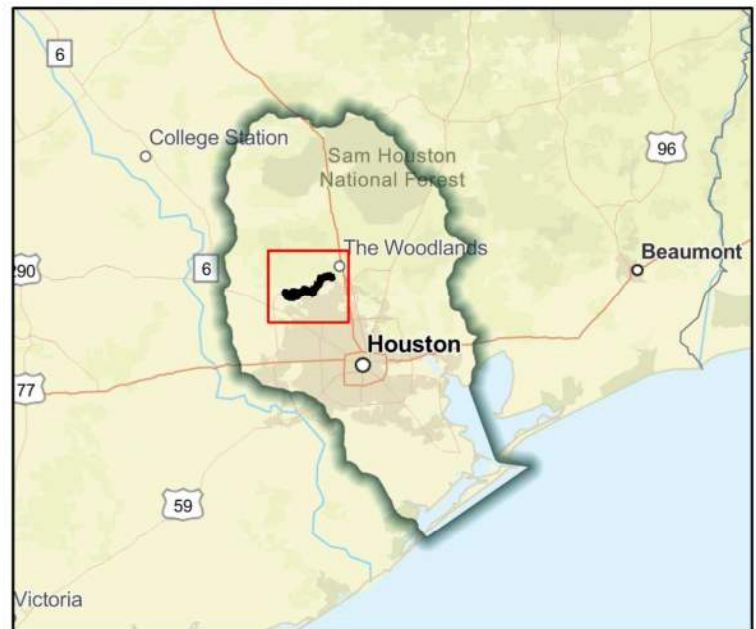
Amount of Available Funding 999999

Federal funding availability Yes

Funding source Harris County



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Willow Creek Watershed Plan- M121 Basin Stormwater Detention Basin

ID# 061000342

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 1010 acre-feet detention basin located near M121 tributary

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401020106,120401020105,120401020210

Drainage area (Square miles, est.) 11

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,443

of structures 828

Critical facilities 6

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 56

Roadway(s) impacted (length) 25

Number of low water crossings 5

Historical road closures

5

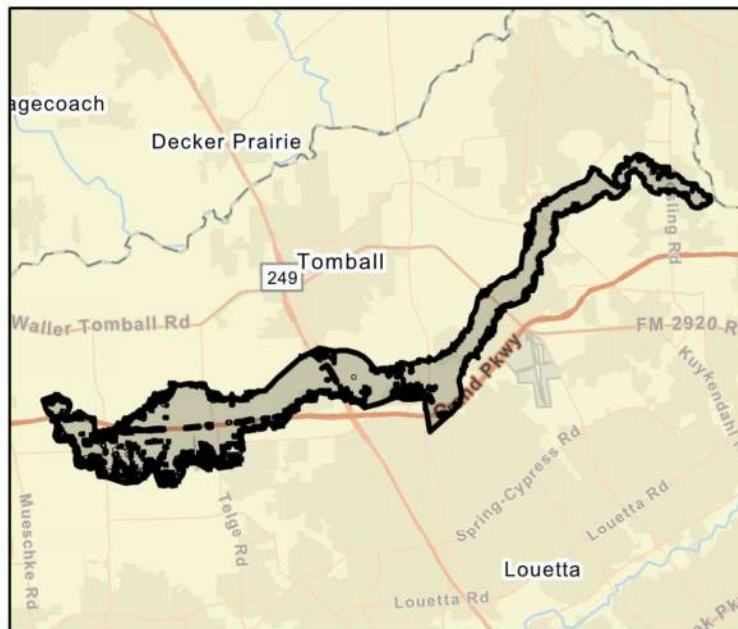
Estimated Cost and Funding Availability

Total Cost \$30,000

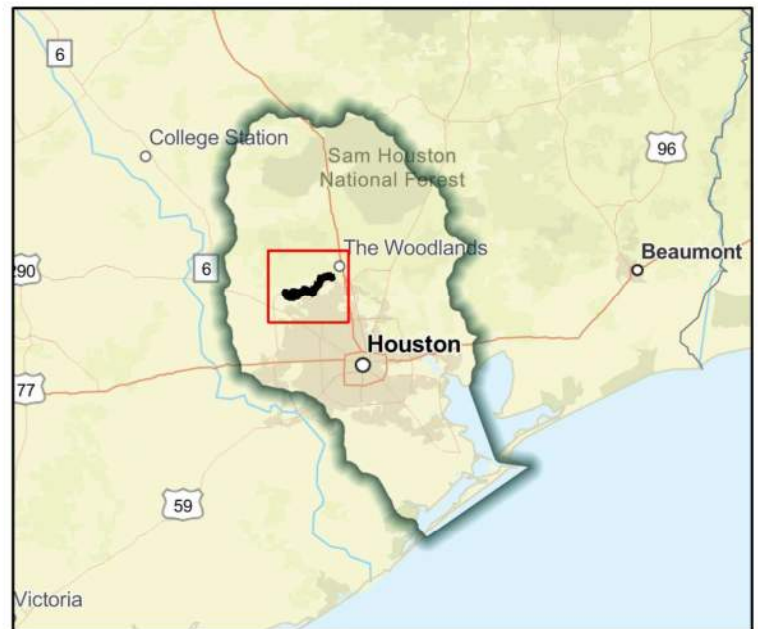
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Jackson Bayou Watershed Planning Project- Immediate: First Street Crossing Mitigation

ID# 061000322

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop BCA to become a FMP. Priority ranking #1, 0.5 mile upstream along Jackson Bayou identified to fulfill mitigation efforts. Culvert upsizing recommended at First Street. Improvements produced need or 32.4 acre-feet of detention.

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

County Harris Watershed HUC# (if known) 120401040704

Drainage area (Square miles, est.) 1 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 598 # of structures 111 Critical facilities 8

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

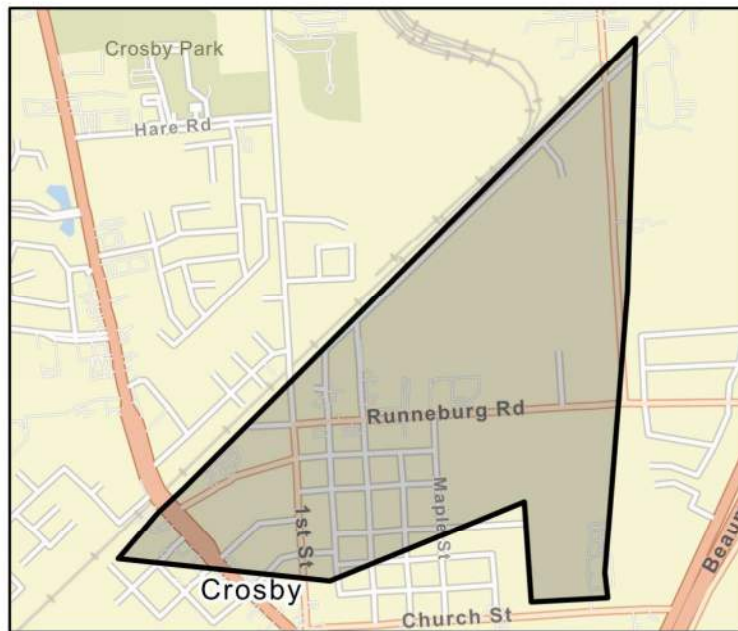
Farm/Ranch land impacted (acres) 2 Roadway(s) impacted (length) 1

Number of low water crossings 0 Historical road closures 0

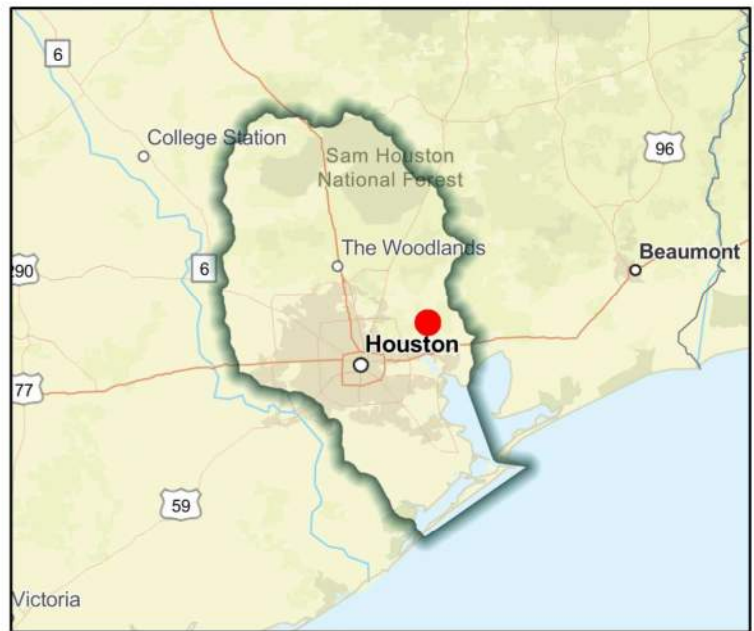
Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding 999999 Federal funding availability Yes

Funding source Harris County Precinct 2, Harris County Engineering Department-Recovery and



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Greens Bayou - Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01

ID# 061000366

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Potential federal funded project, the risk of flooding could be reduced for approximately 100 structures in a pre-Atlas 1% rainfall event.

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

County Harris Watershed HUC# (if known) 120401040604,120401040603

Drainage area (Square miles, est.) 1 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 74 # of structures 7 Critical facilities 0

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

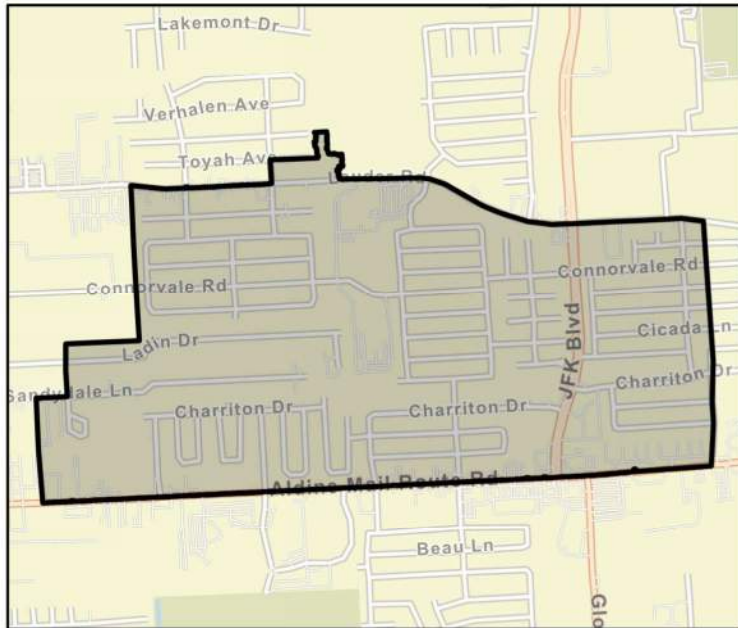
Farm/Ranch land impacted (acres) 999,999 Roadway(s) impacted (length) 0

Number of low water crossings 0 Historical road closures 0

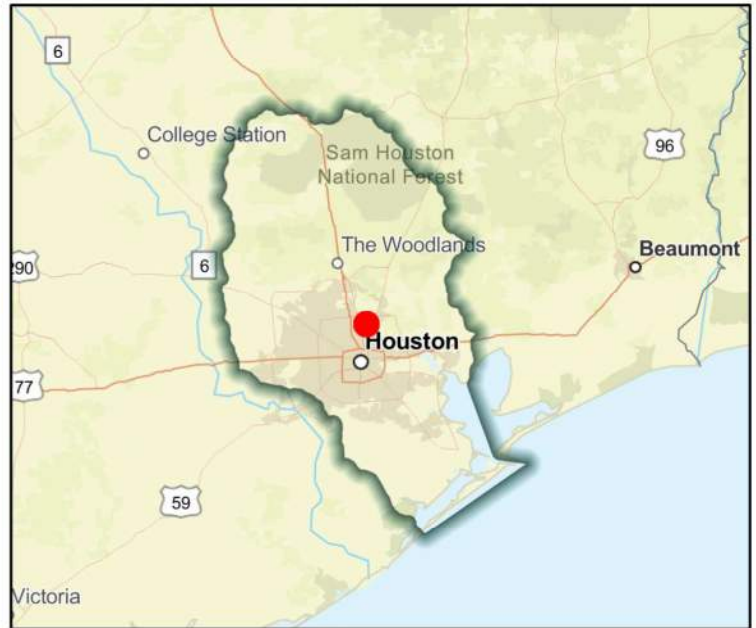
Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding 999999 Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Elevation of Bridge Road in City of North Cleveland

ID# 061000162

Sponsor (name of entity, not person) North Cleveland (Municipality)

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study to elevate Bridge road.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Liberty, Montgomery, San Jacinto

Watershed HUC# (if known) 120401030201, 120401030108, 120401030109, 120401030203, 120401030

Drainage area (Square miles, est.) 19

Goal(s) 06000001, 06000011, 06000012, 06000015

100-Year Flood Risk Summary

Population at risk 1,267

of structures 261

Critical facilities 0

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 29

Roadway(s) impacted (length) 27

Number of low water crossings 1

Historical road closures

1

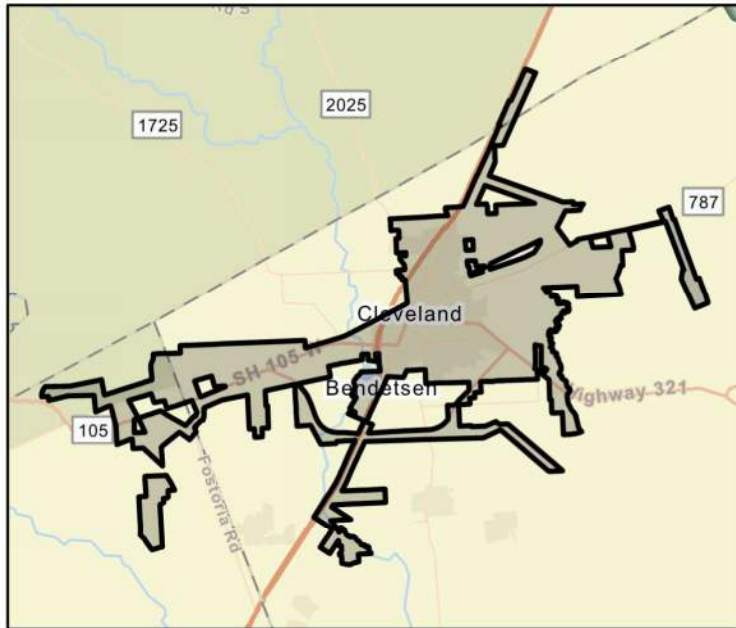
Estimated Cost and Funding Availability

Total Cost \$120,000

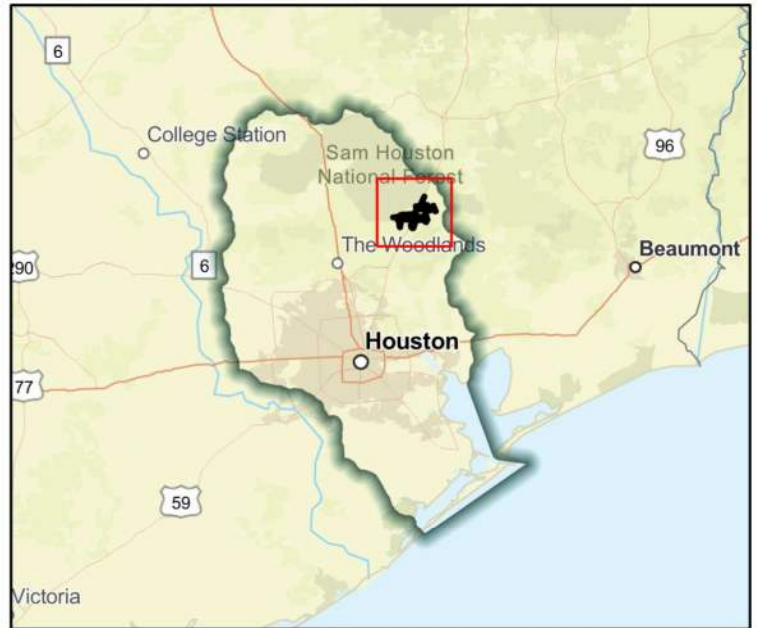
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Sims Bayou C116 Storm Sewer Improvement (C116-00-00-P001) From Mykawa Road to Telephone Road

ID# 061000364

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a BCR required for this project to become a FMP. To increase the system C116 capacity, Alternative 1 adds capacity to the C116 system trunkline through an additional parallel trunkline, from Dixie Drive to Sims Bayou.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040502

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 0

of structures 0

Critical facilities 0

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 999,999

Number of low water crossings 999,999

Historical road closures 999,999

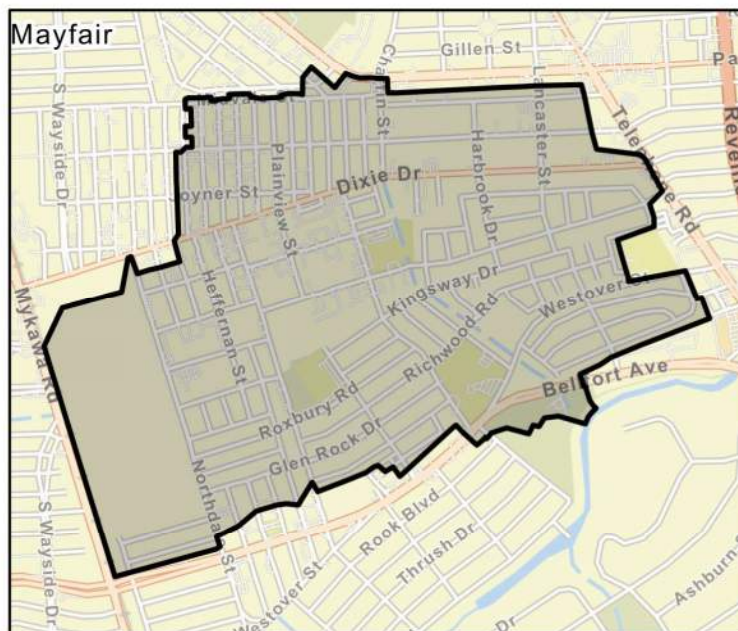
Estimated Cost and Funding Availability

Total Cost \$30,000

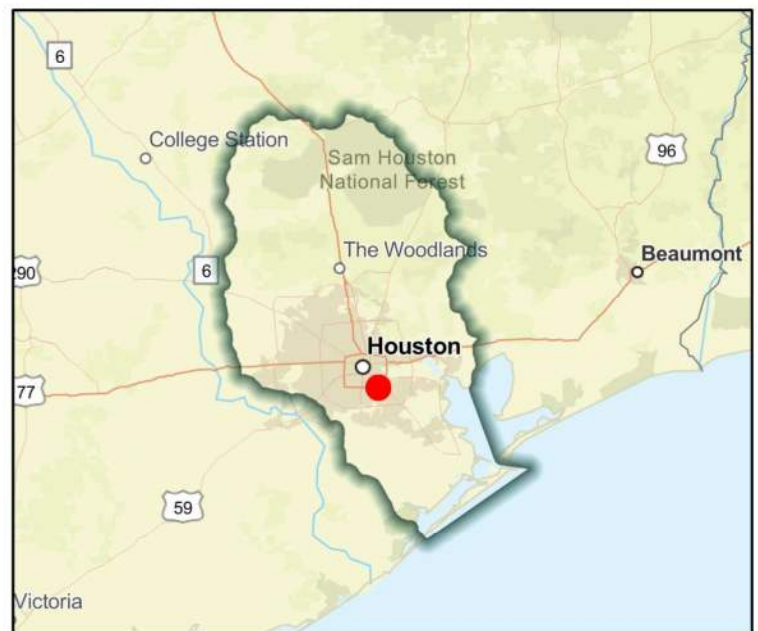
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Cedar Bayou Flood Risk Reduction Study - Q128 Channel Improvements from US 90 to Q100 Confluence

ID# 061000374

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.



Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements from US 90 to Confluence with Q100.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401030205,120401040705,120401040706,120401040704,120402030

Drainage area (Square miles, est.) 5

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 199

of structures 142

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 161

Roadway(s) impacted (length) 6

Number of low water crossings 0

Historical road closures 0

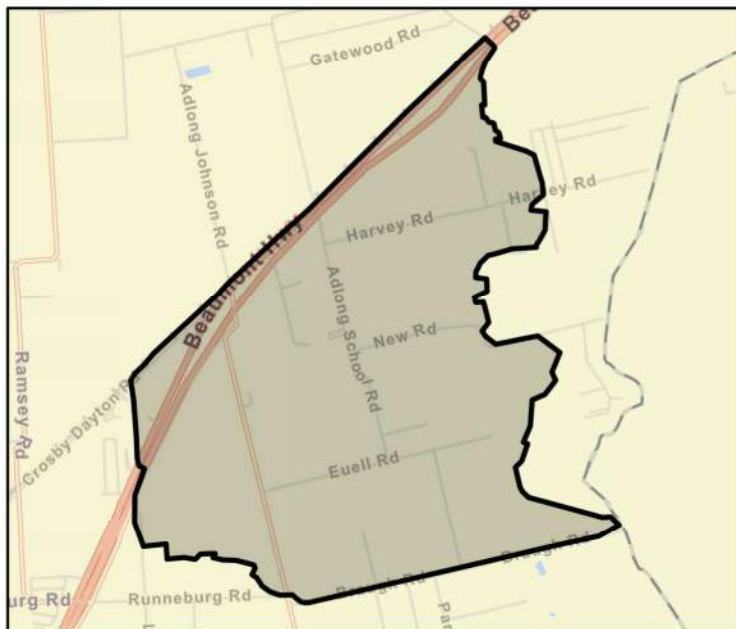
Estimated Cost and Funding Availability

Total Cost \$30,000

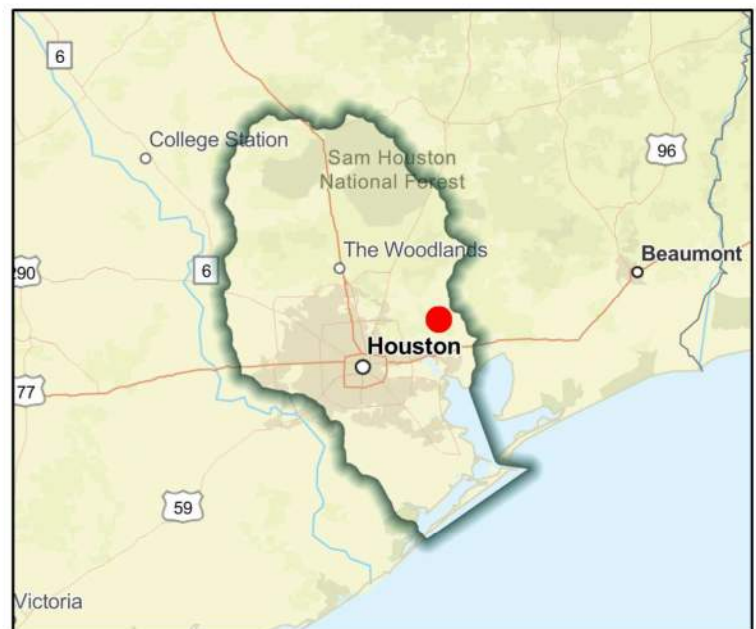
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Mustang Bayou Middle Segment

ID# 061000064

Sponsor (name of entity, not person) Pearland (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Brazoria, Fort Bend

Watershed HUC# (if known) 120402040400

Drainage area (Square miles, est.) 5

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,051

of structures 257

Critical facilities 1

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 39

Roadway(s) impacted (length) 6

Number of low water crossings 0

Historical road closures 0

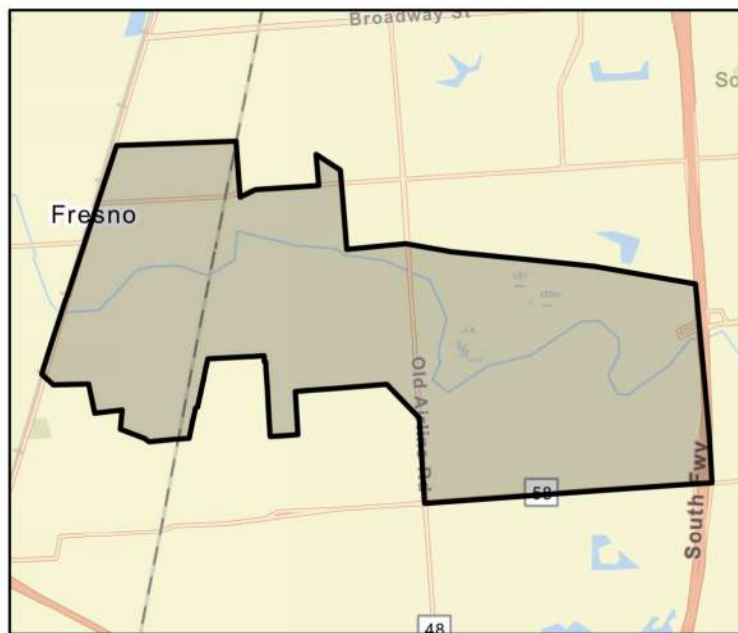
Estimated Cost and Funding Availability

Total Cost \$260,000

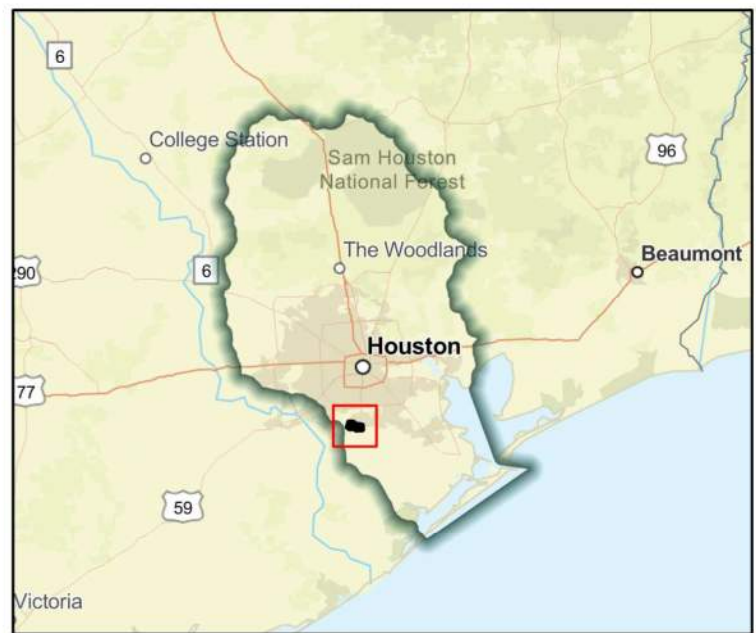
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)

ID# 061000369

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou.

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

County Chambers,Harris Watershed HUC# (if known) 120401040706,120402030105,120402030106

Drainage area (Square miles, est.) 19 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 1,274 # of structures 319 Critical facilities 0

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

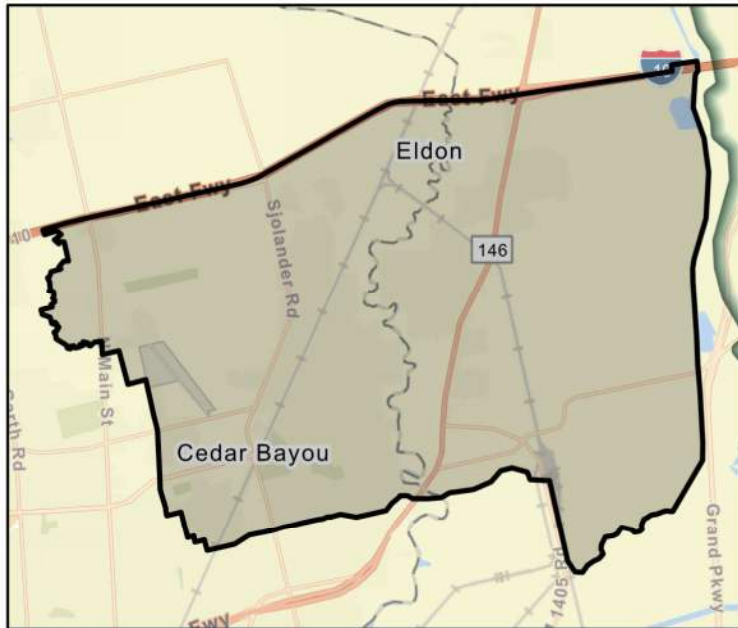
Farm/Ranch land impacted (acres) 25 Roadway(s) impacted (length) 5

Number of low water crossings 0 Historical road closures 0

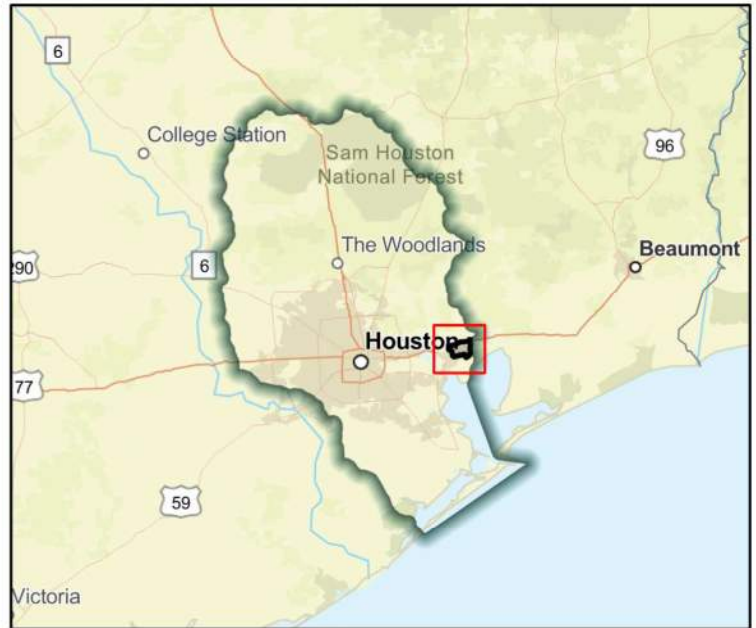
Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding 999999 Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Greens Bayou, White Oak Bayou and Cypress Creek Areas Subdivision Drainage Mitigation Project

ID# 061000439

Sponsor (name of entity, not person) Harris (County)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Project Planning

Study description The mitigation solution for Cypress Creek Estates is to install storm sewer systems along West Shadow Lake, East Shadow Lake, North Shadow Lake and Winding Lane, to re-grade the roadside ditches, and to remove and replace of all driveways and culverts.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris,Waller

Watershed HUC# (if known) 120402040300,120402040200,120402040400,120402040100

Drainage area (Square miles, est.) 543

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 267,186

of structures 33,860

Critical facilities 562

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1,842

Roadway(s) impacted (length) 601

Number of low water crossings 32

Historical road closures

32

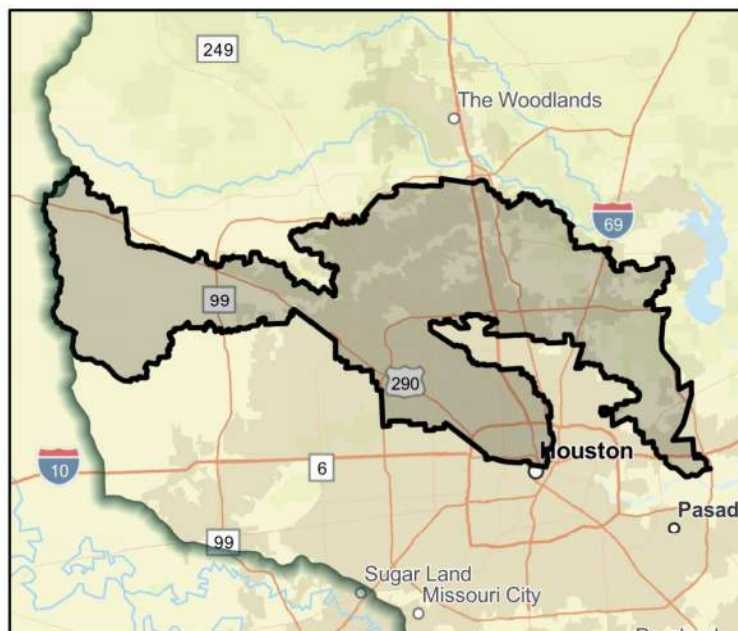
Estimated Cost and Funding Availability

Total Cost \$30,000

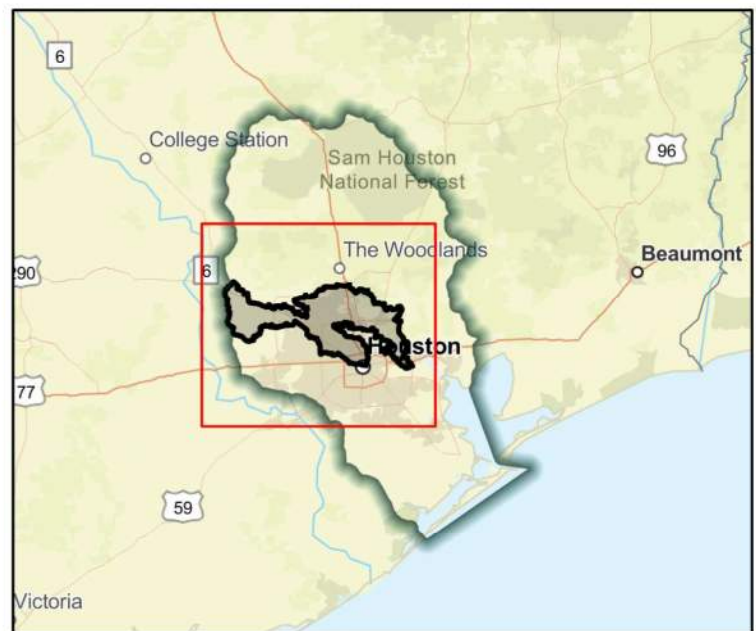
Amount of Available Funding 999999

Federal funding availability Yes

Funding source CDBG-MIT



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood)**

ID# **061000464**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study to develop a BCA required to elevate project to FMP. The project is to reduce flooding in the Problem Area #5 identified by the Carpenters Bayou Watershed Planning Project Report, 2021.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401010502,120401040605,120401040703,120401040705,120401040**

Drainage area (Square miles, est.) **31**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **4,689**

of structures **812**

Critical facilities **24**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **96**

Roadway(s) impacted (length) **19**

Number of low water crossings **2**

Historical road closures **2**

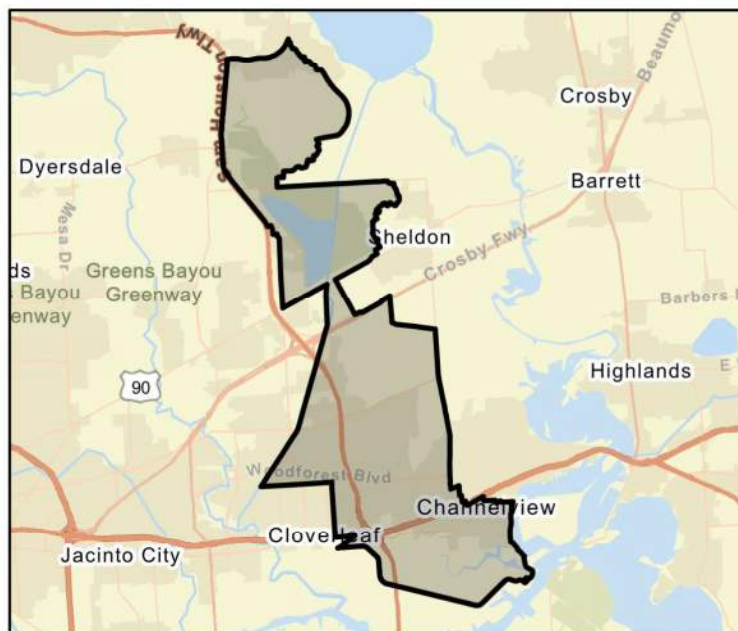
Estimated Cost and Funding Availability

Total Cost **\$30,000**

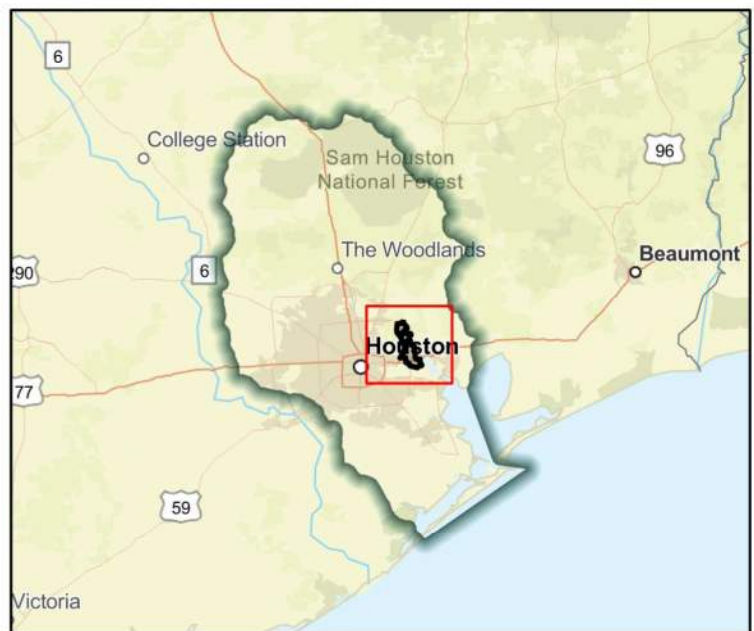
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title North Alexander Drainage Improvements

ID# 061000423

Sponsor (name of entity, not person) Baytown (Municipality)

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study to develop this project into a FMP. This CDBG-MIT application involves the installation and construction of various storm sewer and detention infrastructure.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Chambers,Harris

Watershed HUC# (if known) 120402030106

Drainage area (Square miles, est.) 48

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,324

of structures 550

Critical facilities 7

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 98

Roadway(s) impacted (length) 14

Number of low water crossings 0

Historical road closures

0

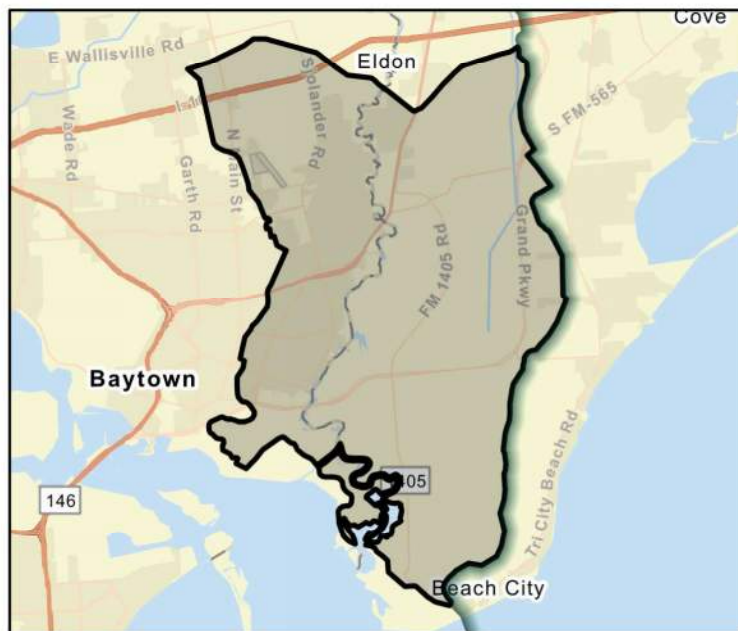
Estimated Cost and Funding Availability

Total Cost \$30,000

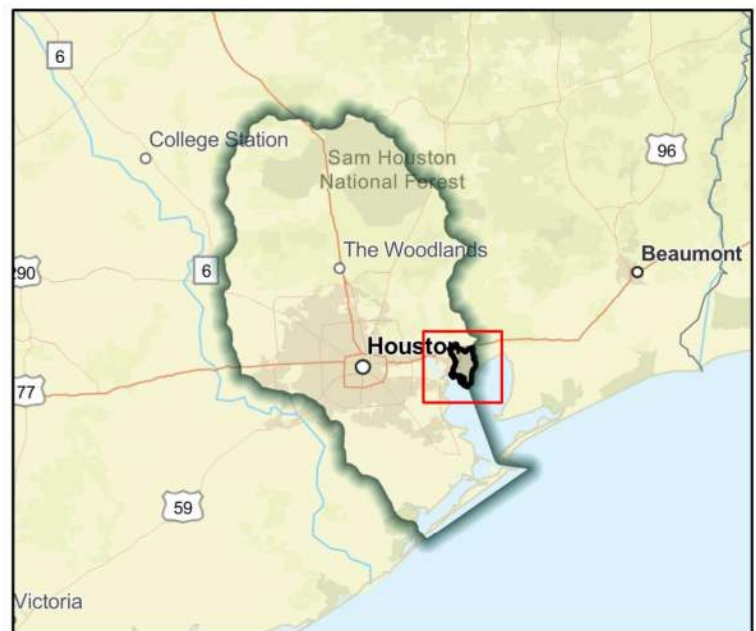
Amount of Available Funding 999999

Federal funding availability Yes

Funding source CDBG-MIT



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Lilly - Alligator Creek Watershed**

ID# **061000445**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Montgomery**

Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **6**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **3,099**

of structures **516**

Critical facilities **2**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **2**

Roadway(s) impacted (length) **10**

Number of low water crossings **9**

Historical road closures **9**

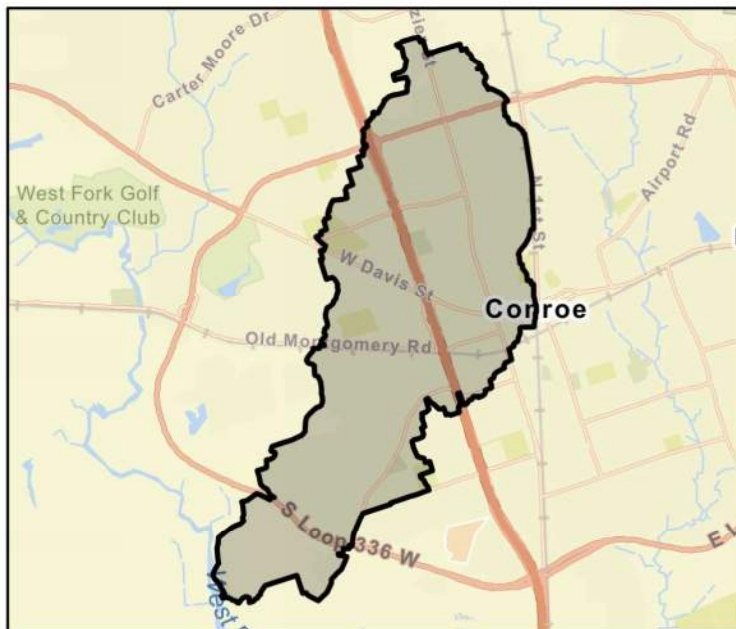
Estimated Cost and Funding Availability

Total Cost **\$30,000**

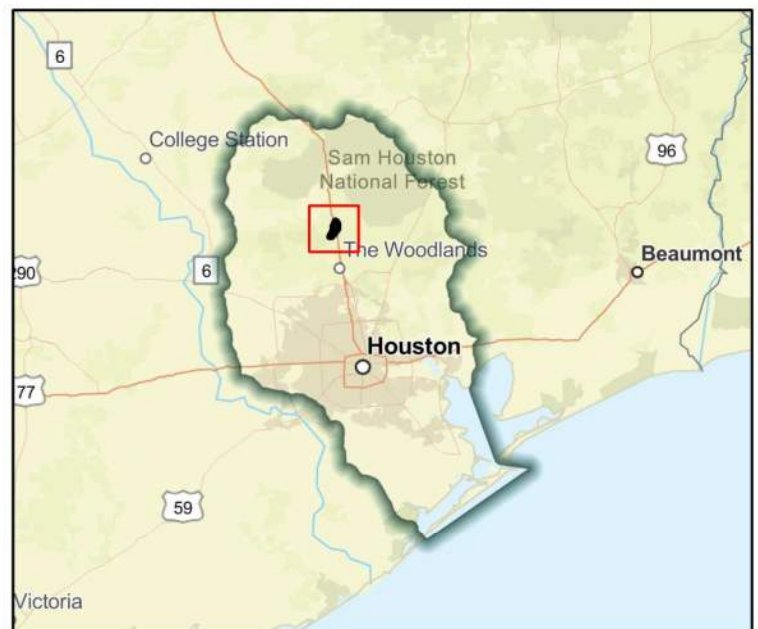
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title East Fork North - Alligator Creek Watershed

ID# 061000446

Sponsor (name of entity, not person) Conroe (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Montgomery

Watershed HUC# (if known) 120401010207,120401010401

Drainage area (Square miles, est.) 6

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 3,099

of structures 516

Critical facilities 2

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 2

Roadway(s) impacted (length) 10

Number of low water crossings 9

Historical road closures

9

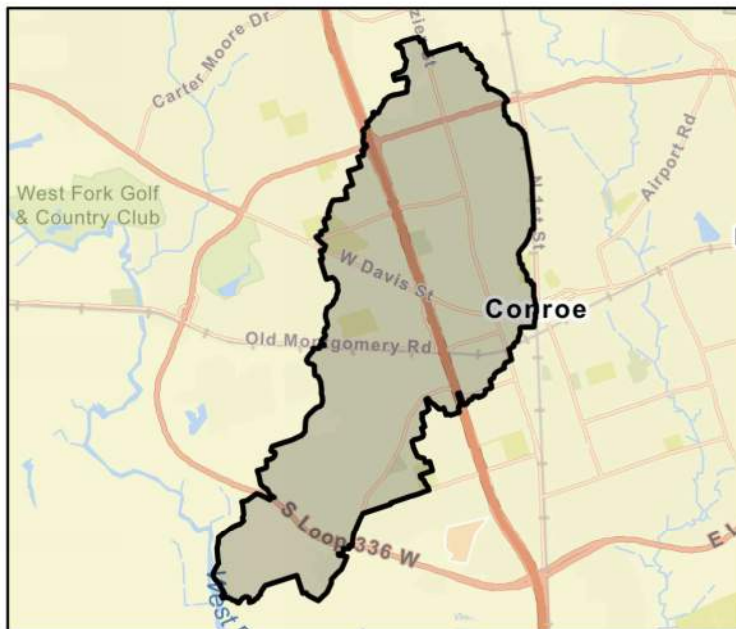
Estimated Cost and Funding Availability

Total Cost \$30,000

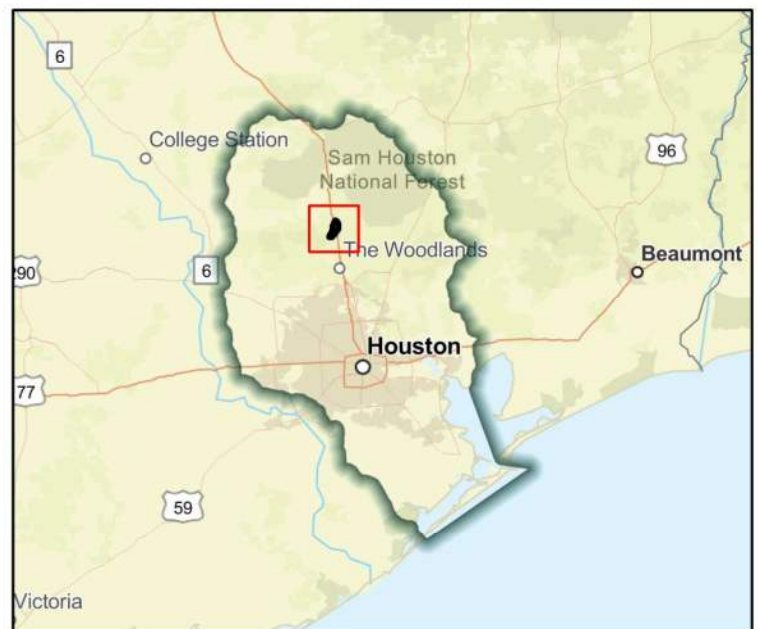
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title East Fork South - Alligator Creek Watershed

ID# 061000447

Sponsor (name of entity, not person) Conroe (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

REGION 6

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Montgomery

Watershed HUC# (if known) 120401010207,120401010401

Drainage area (Square miles, est.) 6

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 3,099

of structures 516

Critical facilities 2

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 2

Roadway(s) impacted (length) 10

Number of low water crossings 9

Historical road closures

9

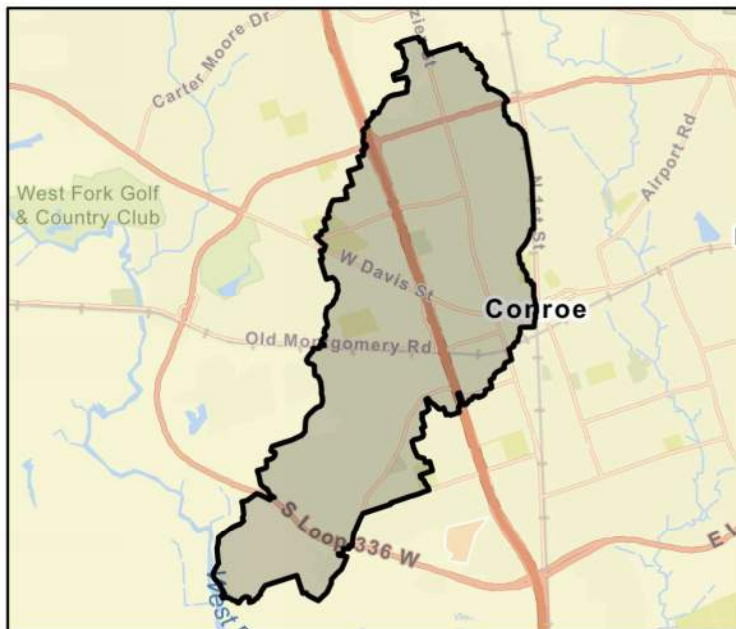
Estimated Cost and Funding Availability

Total Cost \$30,000

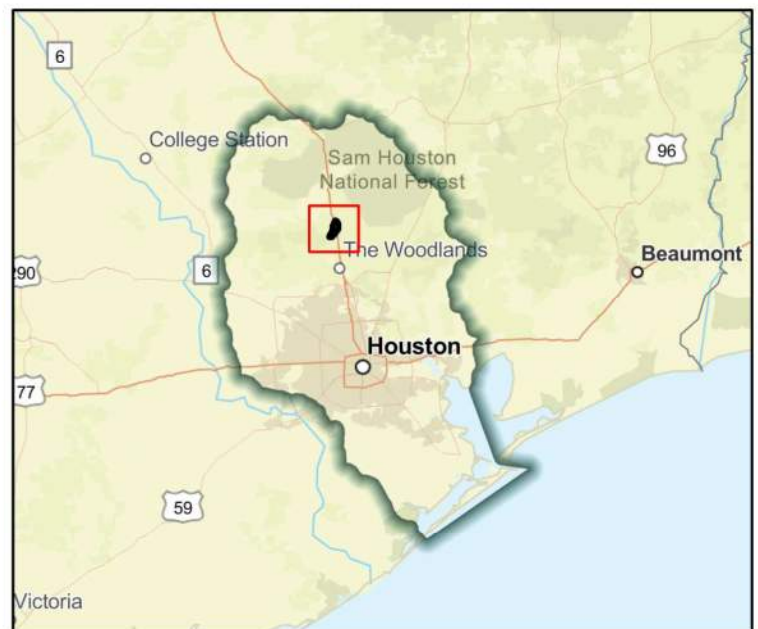
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **West Branch - Alligator Creek Watershed**

ID# **061000448**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Montgomery**

Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **6**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **3,099**

of structures **516**

Critical facilities **2**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **2**

Roadway(s) impacted (length) **10**

Number of low water crossings **9**

Historical road closures **9**

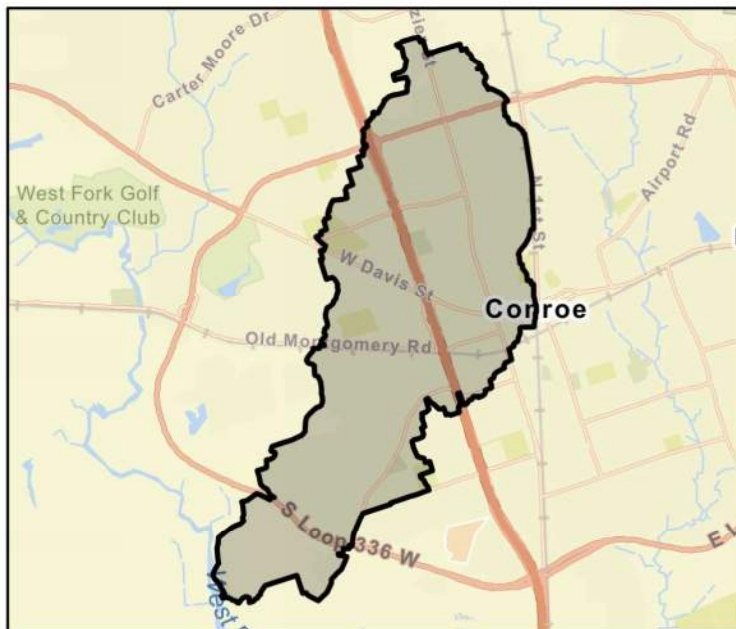
Estimated Cost and Funding Availability

Total Cost **\$30,000**

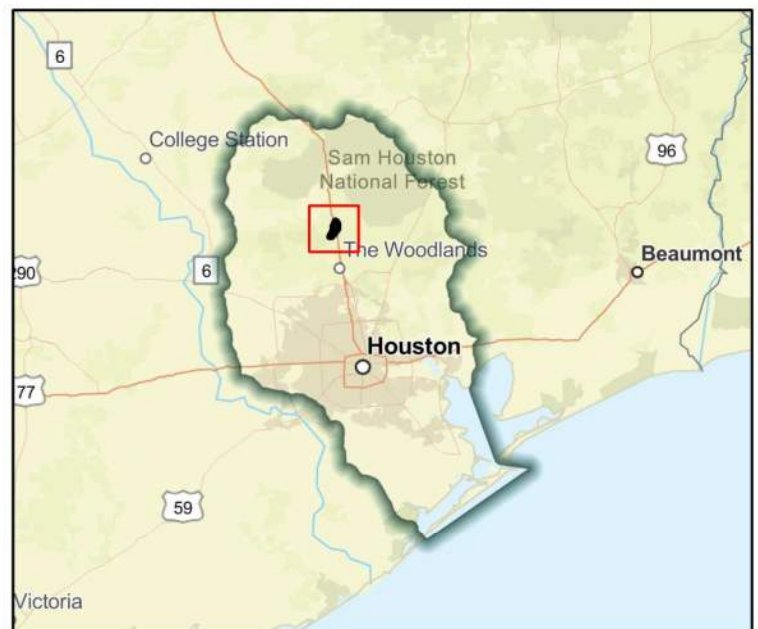
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Oak Hollow - Alligator Creek Watershed**

ID# **061000449**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Montgomery**

Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **6**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **3,099**

of structures **516**

Critical facilities **2**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **2**

Roadway(s) impacted (length) **10**

Number of low water crossings **9**

Historical road closures **9**

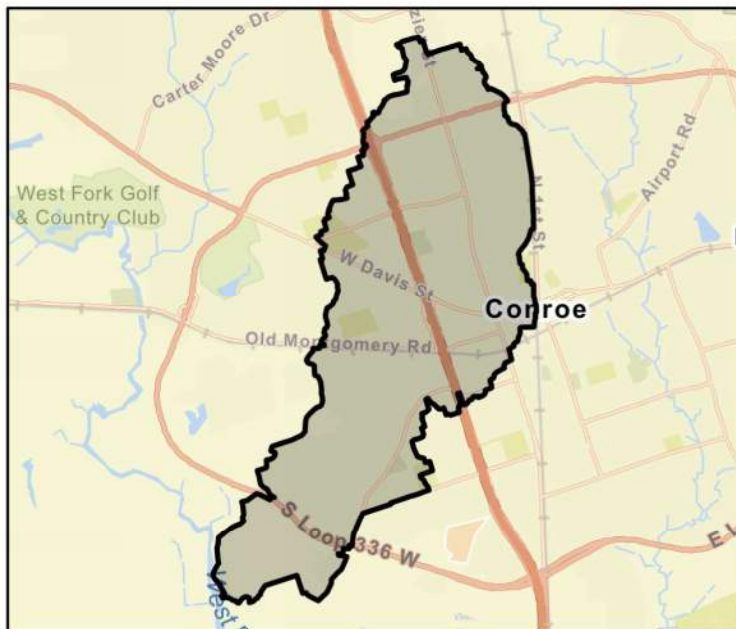
Estimated Cost and Funding Availability

Total Cost **\$30,000**

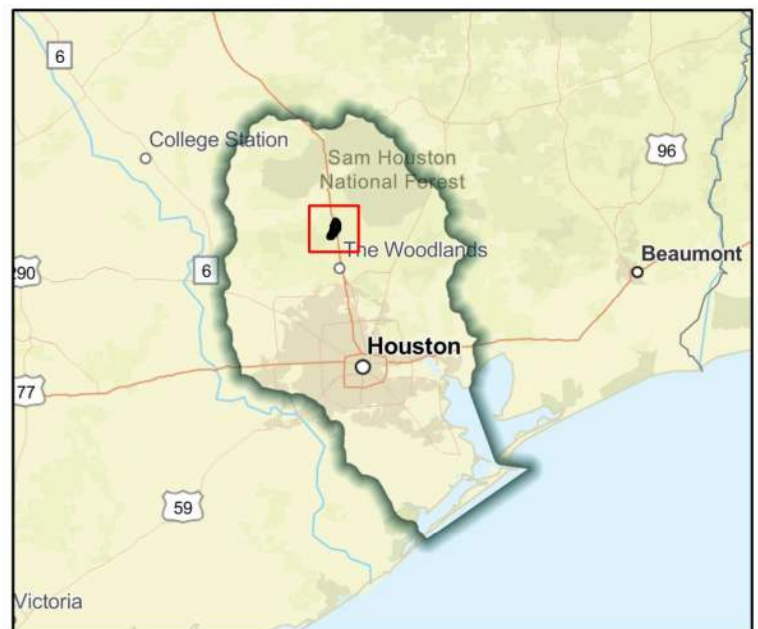
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Cable - Alligator Creek Watershed

ID# 061000450

Sponsor (name of entity, not person) Conroe (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Montgomery

Watershed HUC# (if known) 120401010207,120401010401

Drainage area (Square miles, est.) 6

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 3,099

of structures 516

Critical facilities 2

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 2

Roadway(s) impacted (length) 10

Number of low water crossings 9

Historical road closures

9

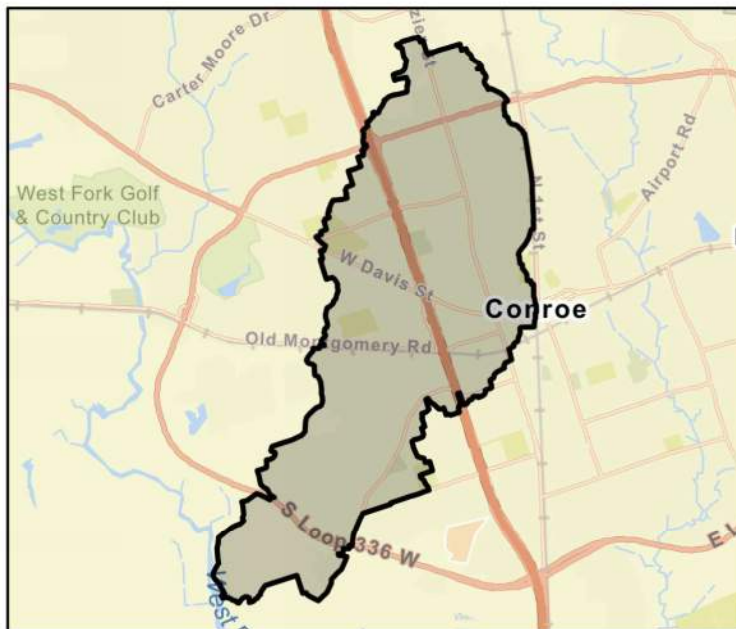
Estimated Cost and Funding Availability

Total Cost \$30,000

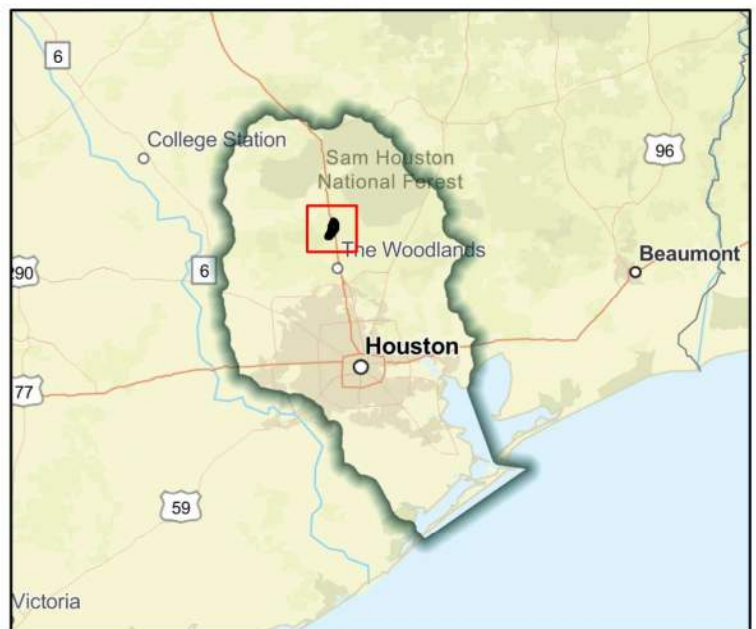
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

REGION 6

Title Baretta - Grand Lake Creek Watershed

ID# 061000454

Sponsor (name of entity, not person) Conroe (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Montgomery

Watershed HUC# (if known) 120401010401

Drainage area (Square miles, est.) 4

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 283

of structures 102

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 4

Roadway(s) impacted (length) 6

Number of low water crossings 1

Historical road closures

1

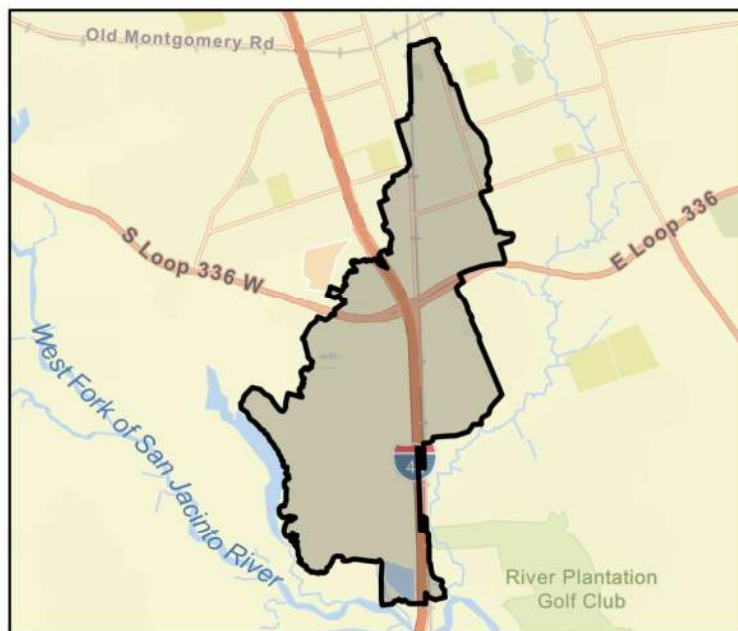
Estimated Cost and Funding Availability

Total Cost \$30,000

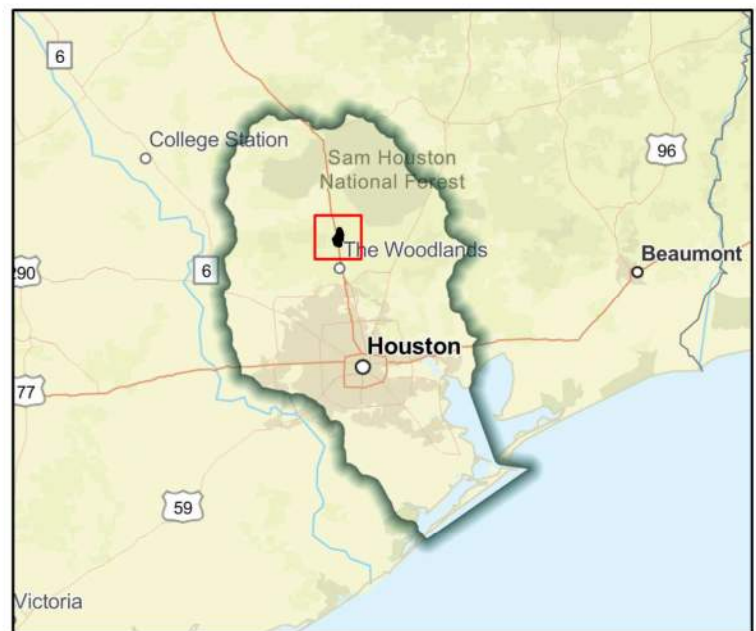
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Mustang Bayou Upper Segment

ID# 061000066

Sponsor (name of entity, not person) Pearland (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Fort Bend

Watershed HUC# (if known) 120402040400,120402040100

Drainage area (Square miles, est.) 7

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 778

of structures 415

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 20

Roadway(s) impacted (length) 4

Number of low water crossings 3

Historical road closures

3

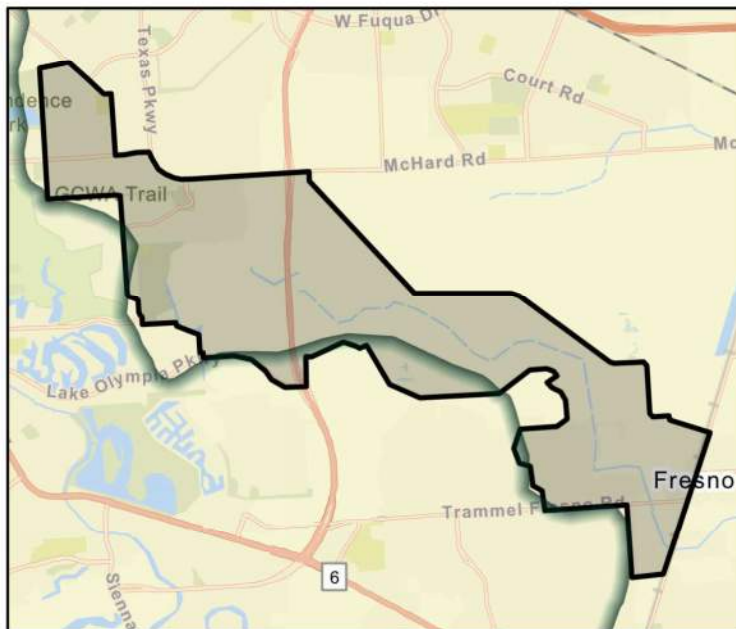
Estimated Cost and Funding Availability

Total Cost \$280,000

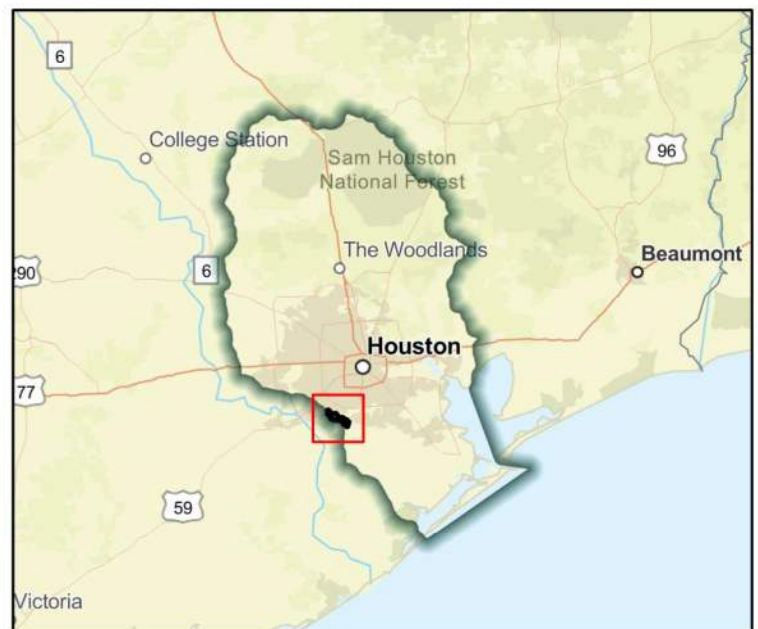
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



Title Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00

ID# 061000348

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend?	Yes	Reason for Recommendation	Alignment with RFPG goals and TWDB guidance principles.
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Study Details

Study type Project Planning

Study description	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The project could reduce the risk of flooding for more than 450 structures in an Atlas 14 1% rainfall event.
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New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040706,120402040100

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 604

of structures 215

Critical facilities 0

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length)

4

Number of low water crossings

Historical road closures

0

Estimated Cost and Funding Availability

Total Cost \$30,000

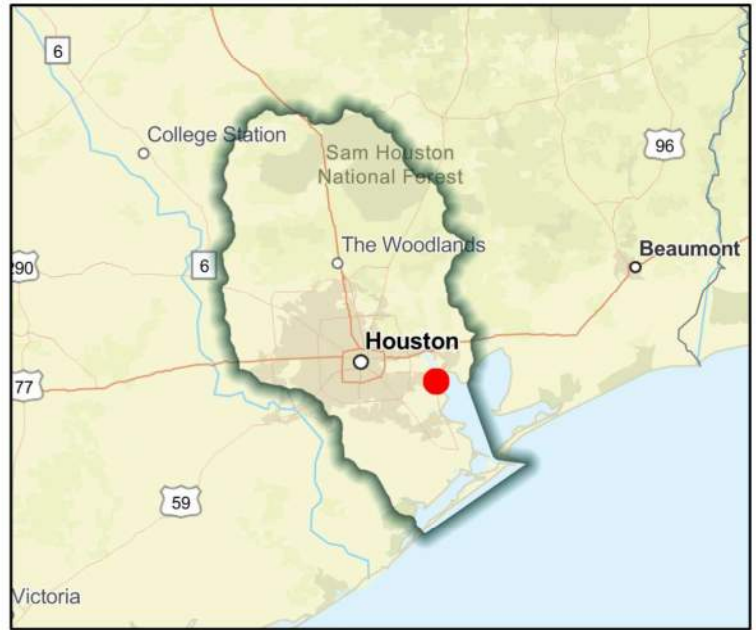
Amount of Available Funding 999999

Federal funding availability Yes

Funding source	999999
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FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Carpenters (N100-00-00) Channel Improvements**

ID# **061000402**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Study to develop a Cost Benefit Analysis and elevate the project to a FMP. Carpenters Bayou (N100-00-00) channel conveyance improvements.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040702**

Drainage area (Square miles, est.) **1**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **531**

of structures **153**

Critical facilities **3**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **999,999**

Roadway(s) impacted (length) **2**

Number of low water crossings **0**

Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$30,000**

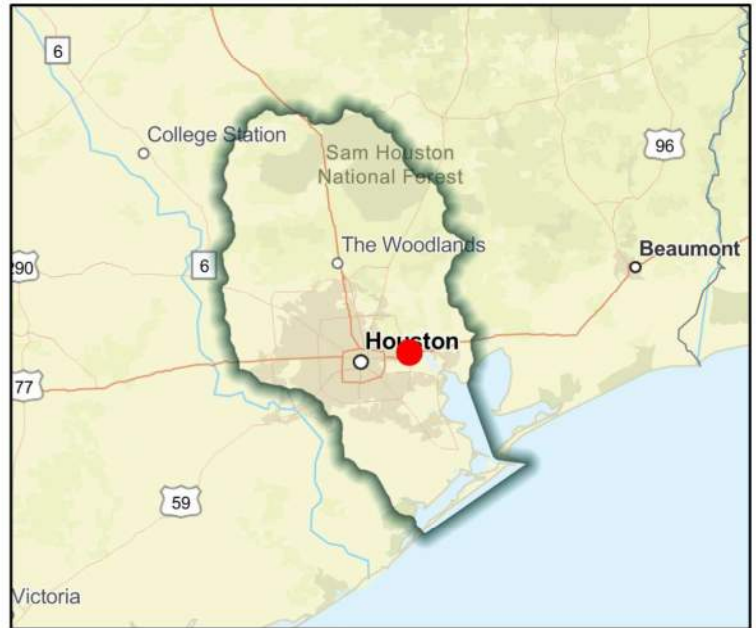
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Brays Bayou - Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along

ID# 061000188

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study of channel improvements from partnership project to restore channel conveyance including Atlas 14 rainfalls.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Fort Bend,Harris

Watershed HUC# (if known) 120401040103,120401040104,120401040303,120401040401

Drainage area (Square miles, est.) 34

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 1,703

of structures 328

Critical facilities 1

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 218

Roadway(s) impacted (length) 20

Number of low water crossings 0

Historical road closures

0

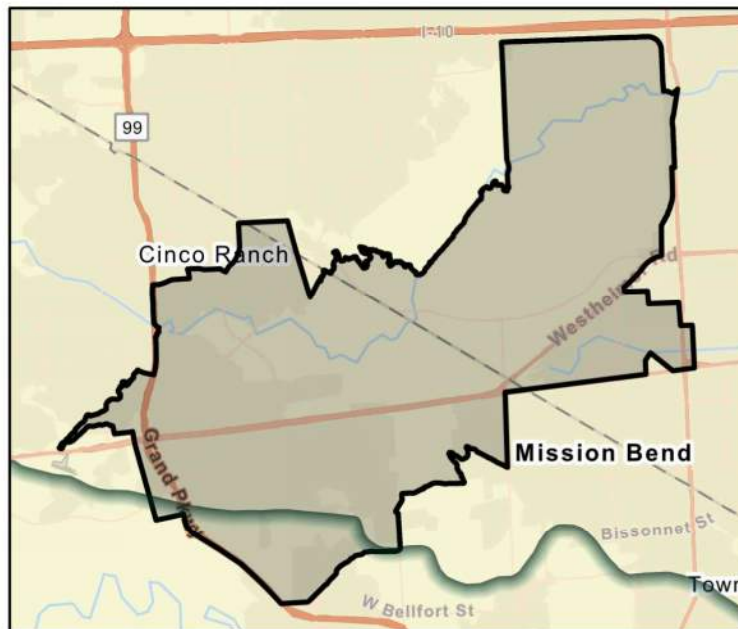
Estimated Cost and Funding Availability

Total Cost \$1,020,000

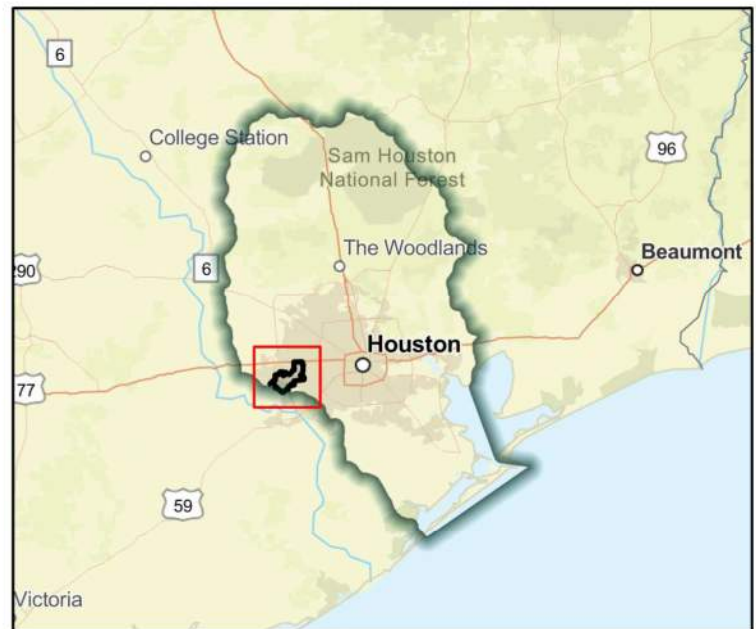
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **West Fork Chocolate Bayou**

ID# **061000052**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Brazoria,Fort Bend**

Watershed HUC# (if known) **120402040400**

Drainage area (Square miles, est.) **14**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **442**

of structures **295**

Critical facilities **0**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **157**

Roadway(s) impacted (length) **6**

Number of low water crossings **0**

Historical road closures **0**

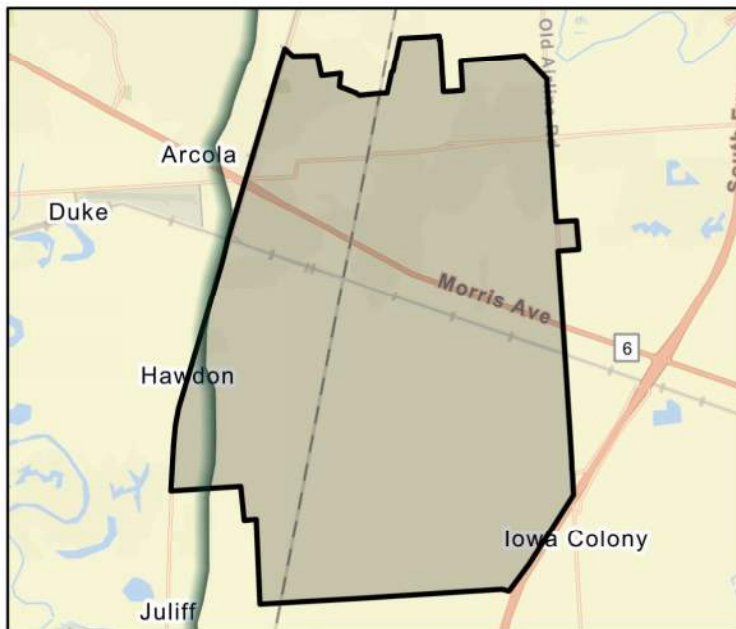
Estimated Cost and Funding Availability

Total Cost **\$360,000**

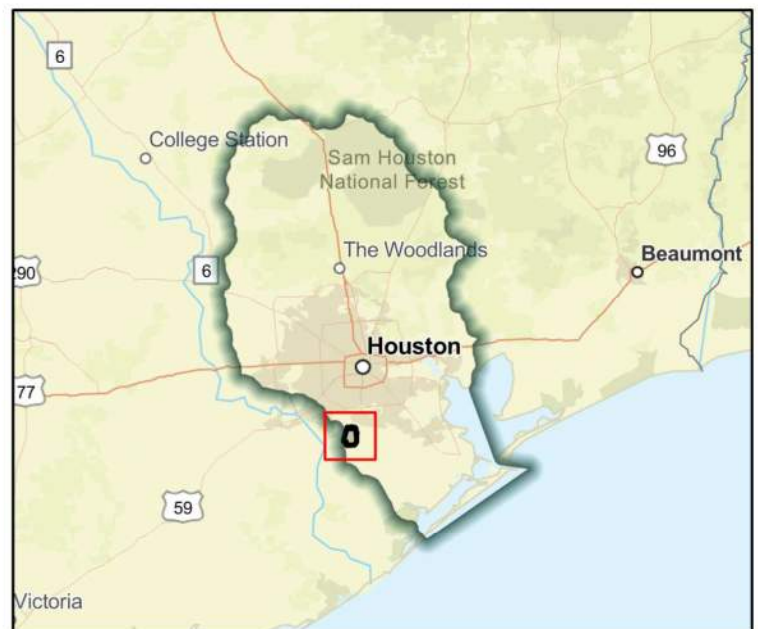
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title **Armand Bayou - Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins**

ID# **061000319**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**



Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Design and Construction of this stormwater detention basin could reduce the risk of flooding for over 400 structures in an Atlas 14 1% rainfall event.**

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

County **Harris** Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **5** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **468** # of structures **63** Critical facilities **0**

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

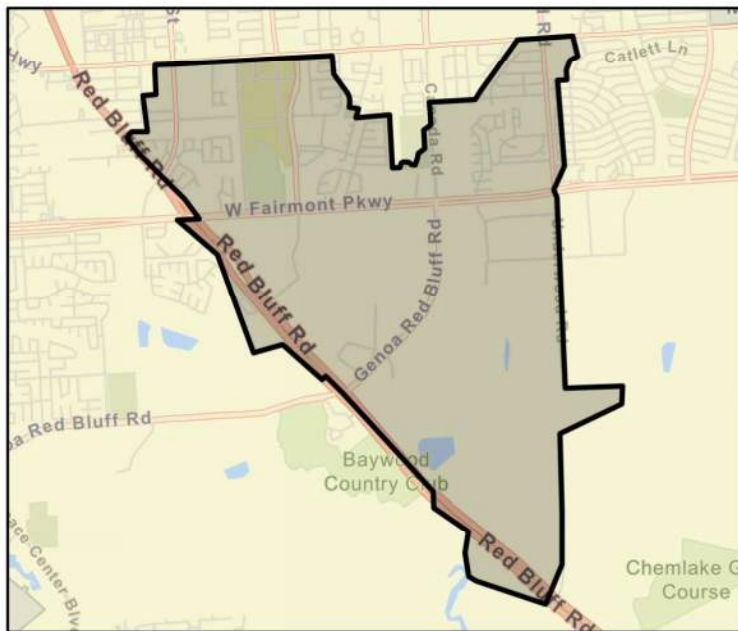
Farm/Ranch land impacted (acres) **6** Roadway(s) impacted (length) **3**

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

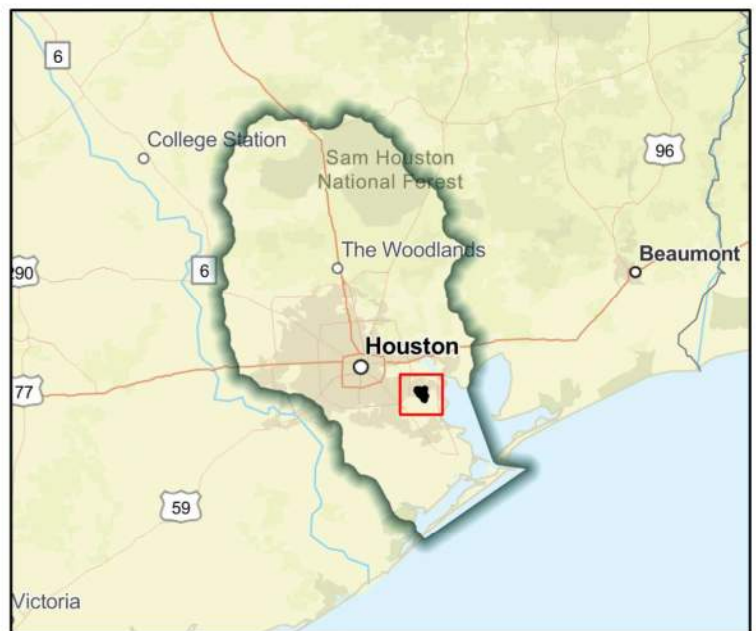
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **999999** Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Galveston Bay Watershed Plan- PA04 (S+4) Crossing Improvements**

ID# **061000350**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Recommended alternative directly addresses need for improved channel conveyance by increasing the size of the crossings at El Jardin Dr and Youpon Dr. to 8'x5' box culverts.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Chambers,Harris**

Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **0**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **391**

of structures **190**

Critical facilities **0**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **0**

Roadway(s) impacted (length) **3**

Number of low water crossings **0**

Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$30,000**

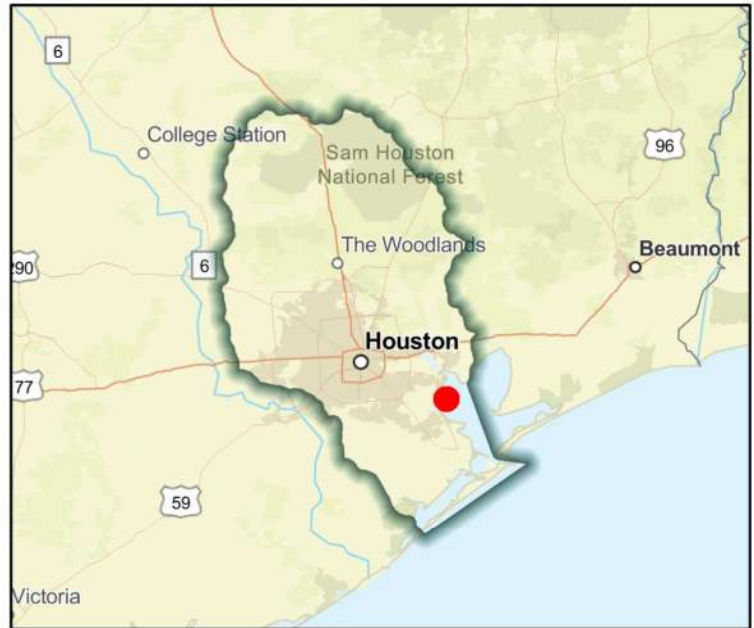
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **Harris County, City of Pasadena and City of Seabrook**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title League City - Stormwater Drainage Improvement- Interurban & Newport ditch

ID# 061000097

Sponsor (name of entity, not person) League City (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study of proposed slope paving (concrete lining) improvements.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Galveston,Harris

Watershed HUC# (if known) 120402040200,120402040100

Drainage area (Square miles, est.) 53

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 20,978

of structures 5,251

Critical facilities 25

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1,308

Roadway(s) impacted (length) 105

Number of low water crossings 2

Historical road closures

2

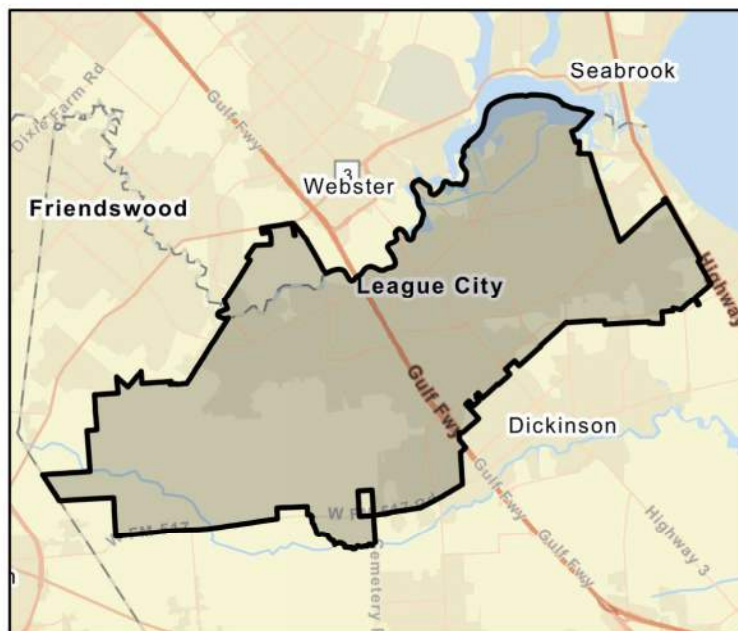
Estimated Cost and Funding Availability

Total Cost \$50,000

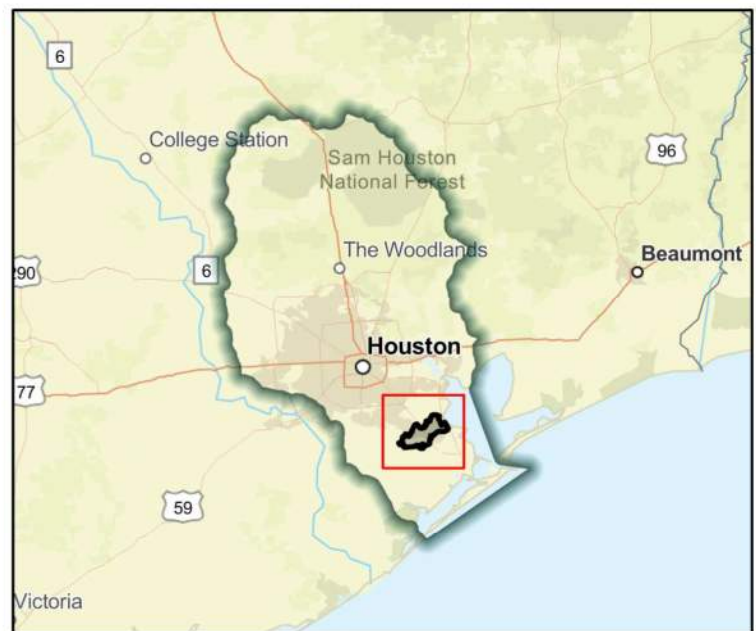
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Stormwater Drainage Improvement- Bradshaw Rd

ID# 061000118

Sponsor (name of entity, not person) League City (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study of proposed slope paving (concrete lining) improvements. Southwest from SH 3 to the north line of CCISD's Elem. School #25. Pending Funding.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Galveston,Harris

Watershed HUC# (if known) 120402040200,120402040100

Drainage area (Square miles, est.) 53

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 20,978

of structures 5,251

Critical facilities 25

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1,308

Roadway(s) impacted (length) 105

Number of low water crossings 2

Historical road closures

2

Estimated Cost and Funding Availability

Total Cost \$50,000

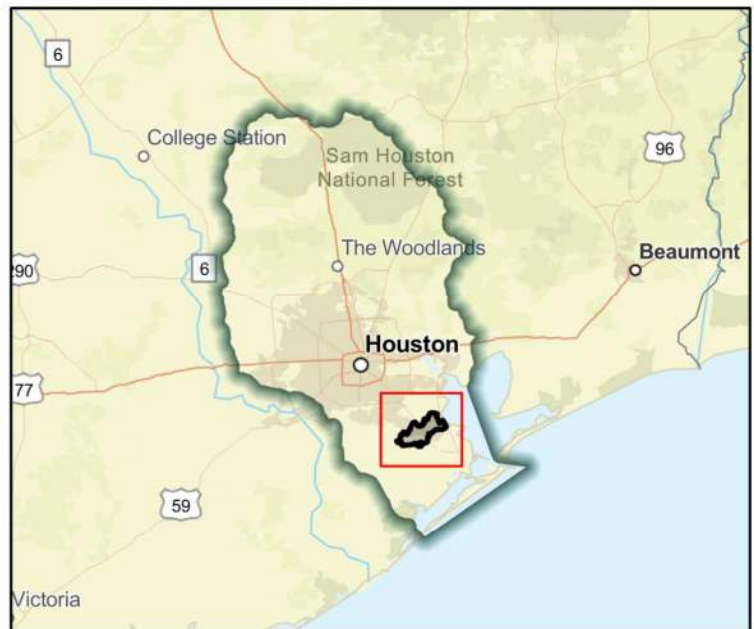
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Bayou Vista - Drainage Improvement Program

ID# 061000117

Sponsor (name of entity, not person) Bayou Vista (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop drainage improvement program to reduce standing water and runoff, and reduce minor flooding for residents located in District No. 12.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Galveston

Watershed HUC# (if known) 120402040200

Drainage area (Square miles, est.) 0

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 1,508

of structures 1,123

Critical facilities 3

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 7

Number of low water crossings 999,999

Historical road closures

999,999

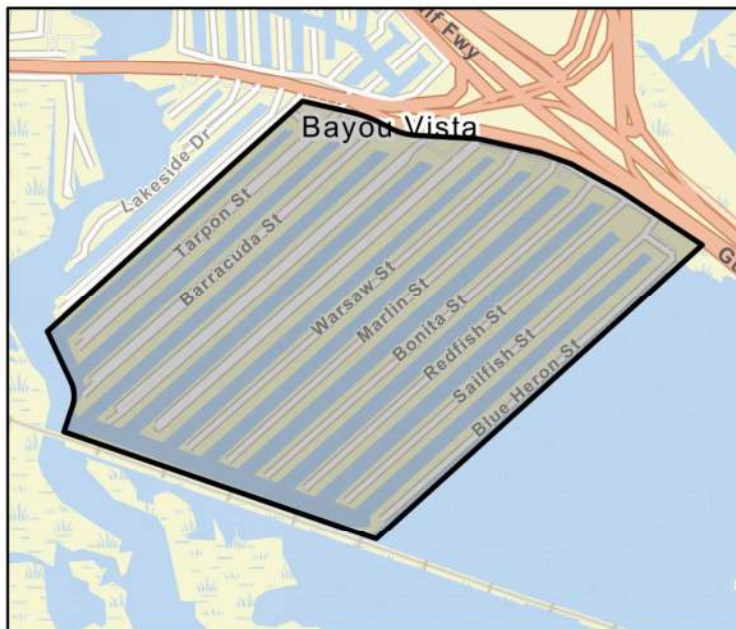
Estimated Cost and Funding Availability

Total Cost \$100,000

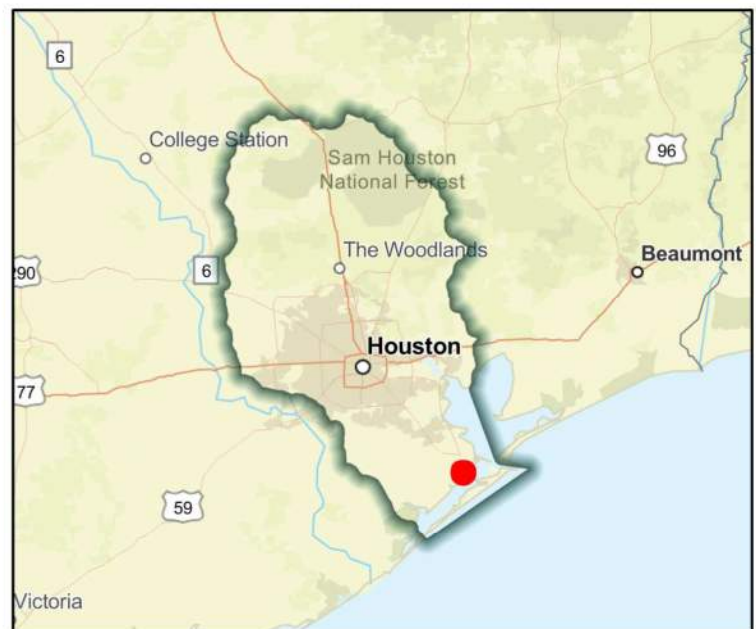
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Spring Gully Watershed Planning Project- Project Phase I

ID# 061000345

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop BCA to become FMP. 108 ac-ft of detention storage. Basin A w/ 95 ac-ft of storage, 10 ft depth, inlet & outlet structures consist of 2 culverts & weir. Basin B w/ 13 ac-ft of storage, 10.5 ft depth, inlet & outlet structures of culvert & weir.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040705

Drainage area (Square miles, est.) 3

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 917

of structures 346

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 2

Number of low water crossings 0

Historical road closures 0

Estimated Cost and Funding Availability

Total Cost \$30,000

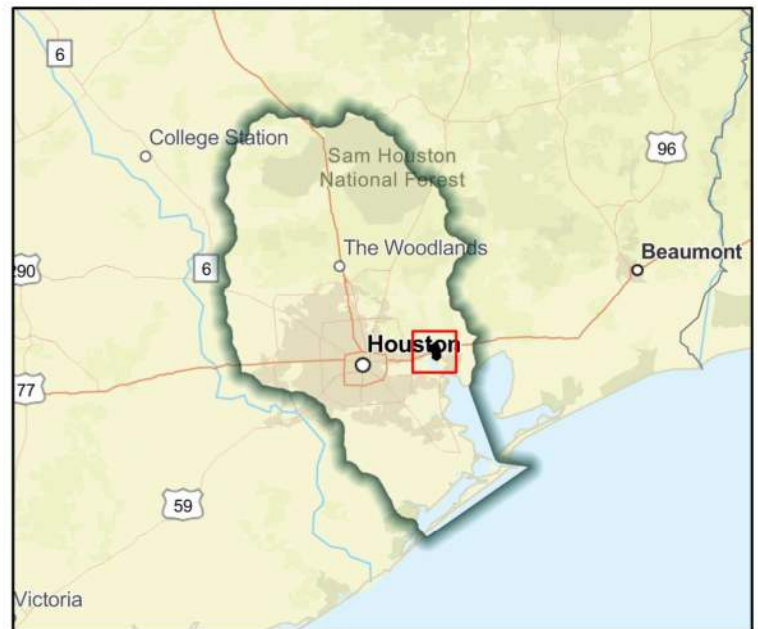
Amount of Available Funding 999999

Federal funding availability Yes

Funding source HCFCD



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Spring Gully Watershed Planning Project- Project Phase II

ID# 061000346

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop BCA to become a FMP. Independent of Phase I. Phase II includes addition of Stormwater Detention Basin C, with 80 acre-feet of detention storage w/ 9.5 ft depth & an inlet and outlet structure consisting of a culvert & a weir.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040705

Drainage area (Square miles, est.) 3

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 917

of structures 346

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 2

Number of low water crossings 0

Historical road closures 0

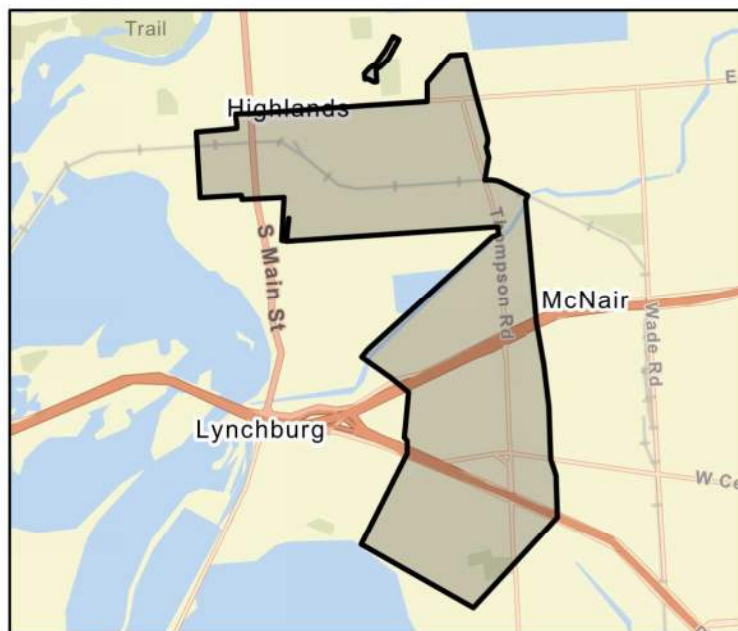
Estimated Cost and Funding Availability

Total Cost \$30,000

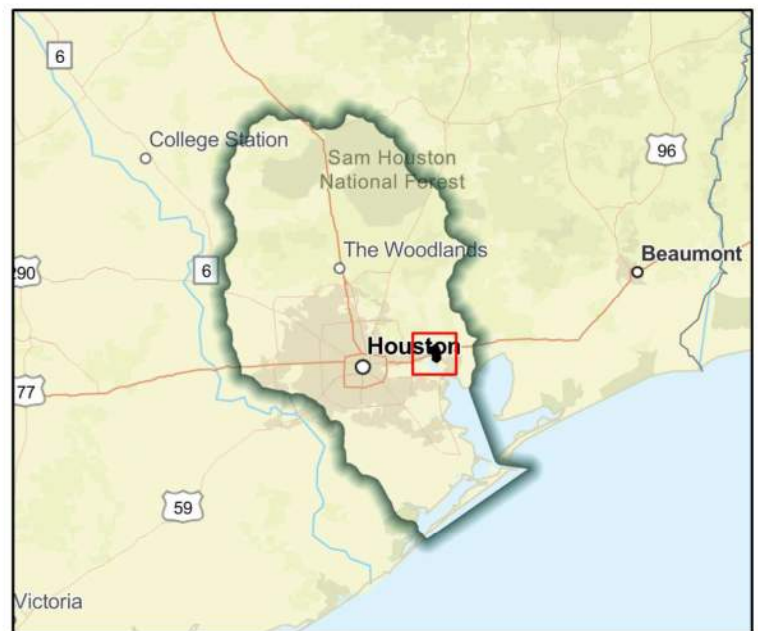
Amount of Available Funding 999999

Federal funding availability Yes

Funding source Harris County



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Spring Gully Watershed Planning Project- Project Phase III

ID# 061000347

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Complete after phase 2. Relief channel intended to outfall into Stormwater Detention Basin C from Phase 2. Consists of trapezoidal 850-foot channel with cross culvert sized at Prairie Street. Upstream of the culvert crossing, the bottom width is 8 ft.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040705

Drainage area (Square miles, est.) 3

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 917

of structures 346

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 2

Number of low water crossings 0

Historical road closures 0

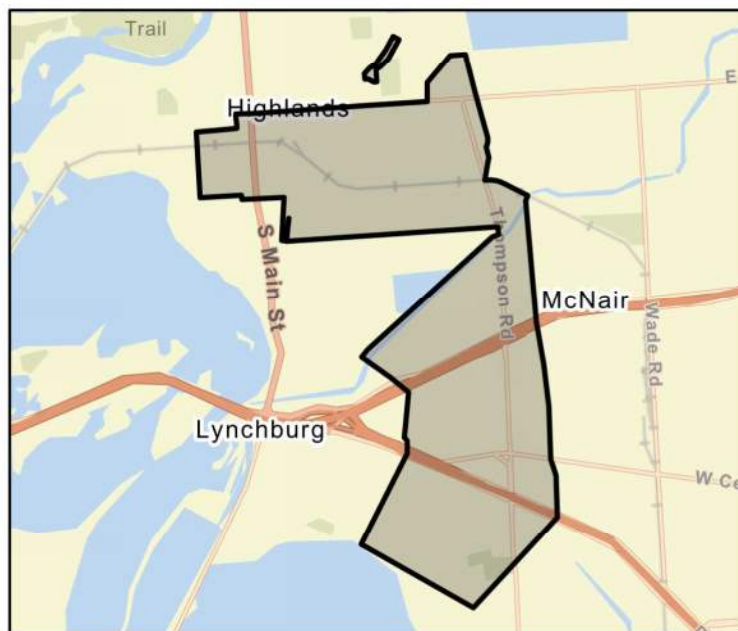
Estimated Cost and Funding Availability

Total Cost \$30,000

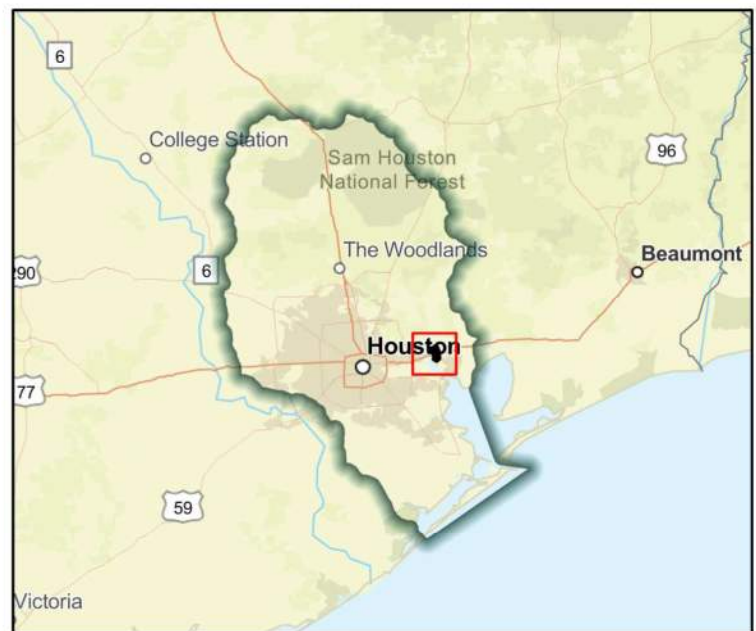
Amount of Available Funding 999999

Federal funding availability Yes

Funding source Harris County



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title South Frazier - Grand Lake Creek Watershed

ID# 061000451

Sponsor (name of entity, not person) Conroe (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Montgomery

Watershed HUC# (if known) 120401010207,120401010401

Drainage area (Square miles, est.) 4

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 1,873

of structures 365

Critical facilities 6

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 3

Roadway(s) impacted (length) 7

Number of low water crossings 0

Historical road closures 0

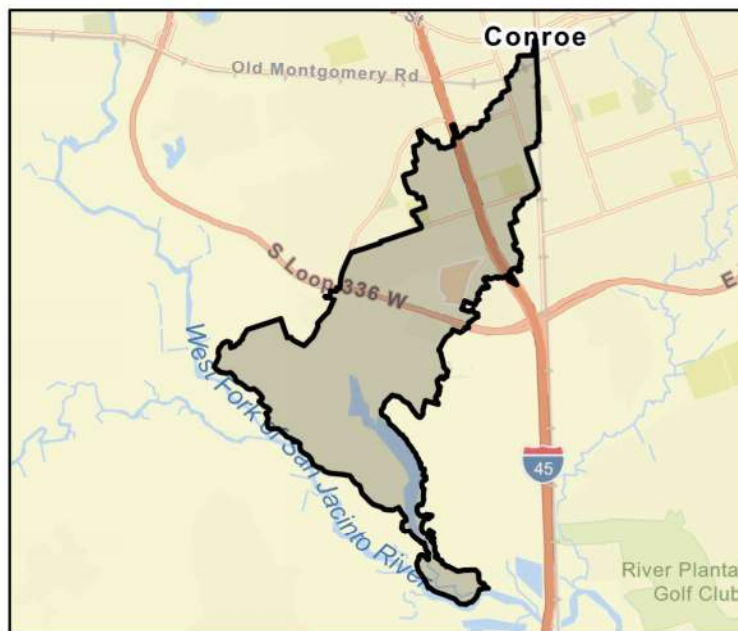
Estimated Cost and Funding Availability

Total Cost \$30,000

Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title **Rivershire East - Grand Lake Creek Watershed**

ID# **061000452**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

REGION 6

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Montgomery**

Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **4**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,873**

of structures **365**

Critical facilities **6**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **3**

Roadway(s) impacted (length) **7**

Number of low water crossings **0**

Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$30,000**

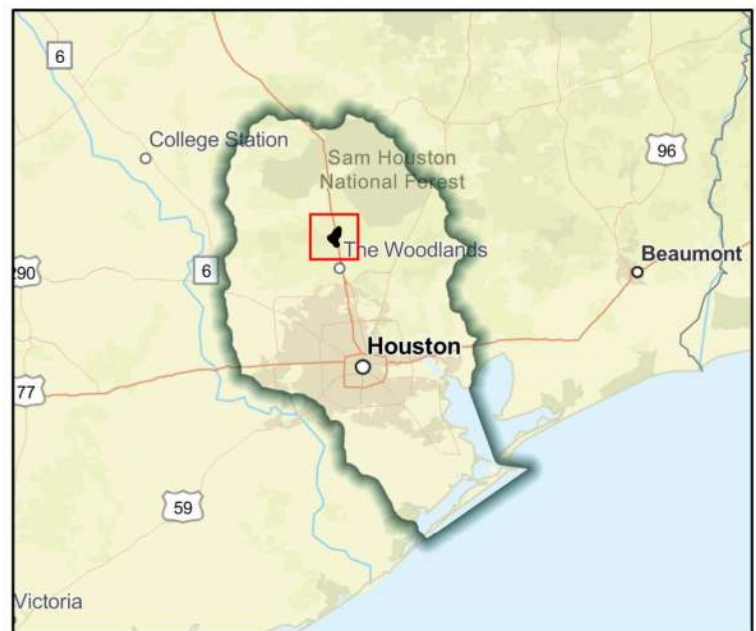
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Toby - Little Caney Creek Watershed

ID# 061000459

Sponsor (name of entity, not person) Conroe (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Montgomery

Watershed HUC# (if known) 120401010403,120401010401,120401010402

Drainage area (Square miles, est.) 9

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 571

of structures 271

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 4

Roadway(s) impacted (length) 7

Number of low water crossings 0

Historical road closures 0

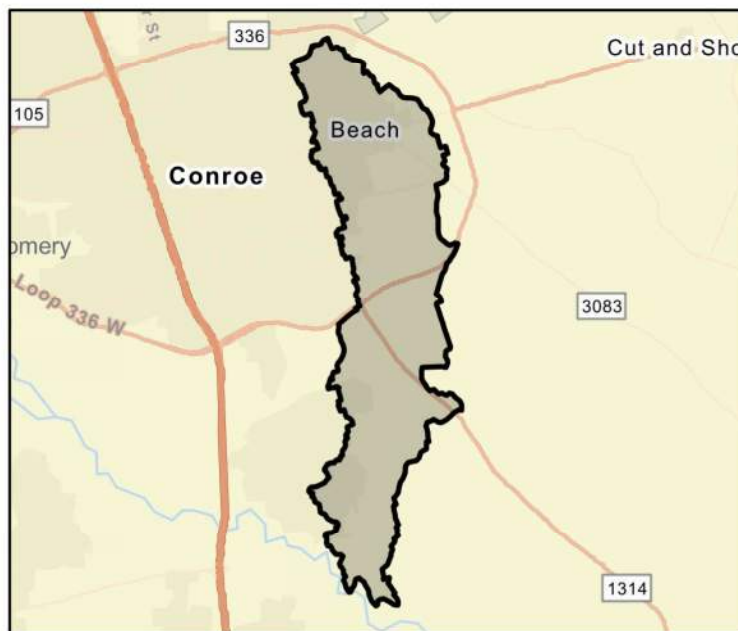
Estimated Cost and Funding Availability

Total Cost \$30,000

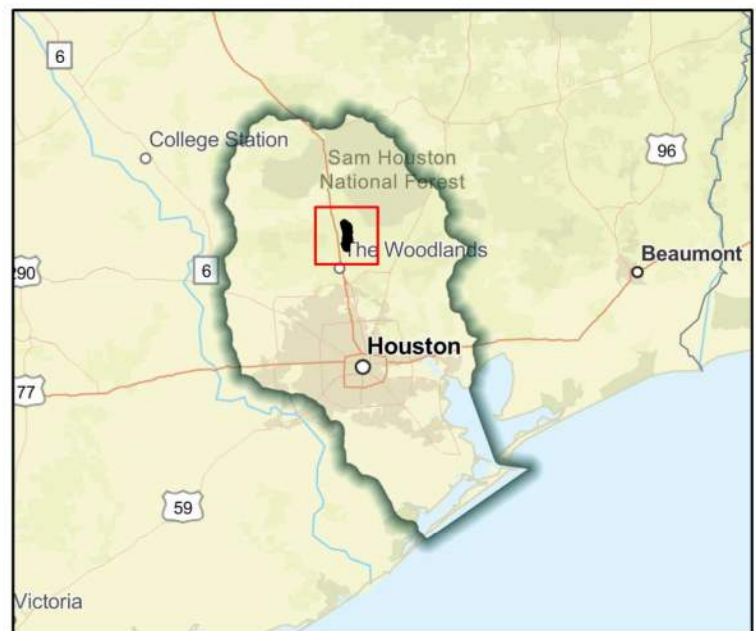
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Southern Oak - Little Laney Creek

ID# 061000460

Sponsor (name of entity, not person) Conroe (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Montgomery

Watershed HUC# (if known) 120401010403,120401010401,120401010402

Drainage area (Square miles, est.) 9

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 571

of structures 271

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 4

Roadway(s) impacted (length) 7

Number of low water crossings 0

Historical road closures 0

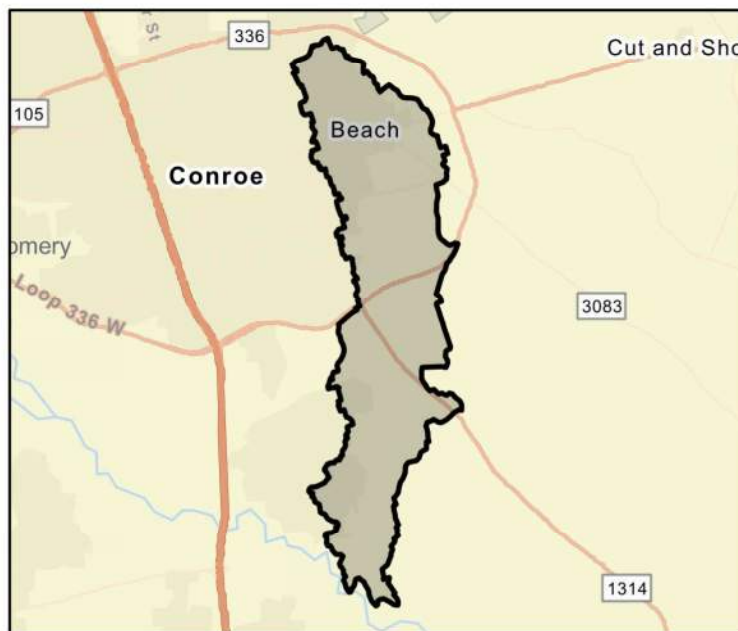
Estimated Cost and Funding Availability

Total Cost \$30,000

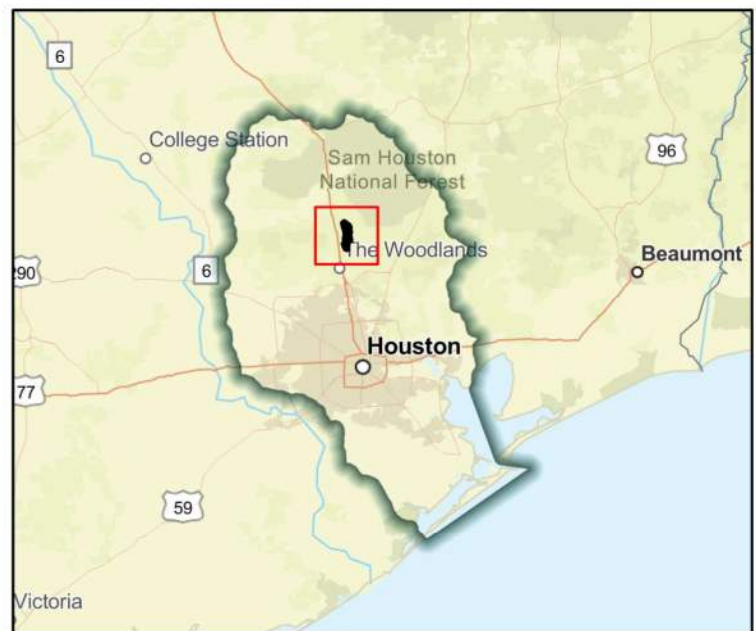
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Greens Bayou - P103-00-00

ID# 061000216

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study of Flood Risk Reduction need identified through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040703,120401040702,120401040606

Drainage area (Square miles, est.) 6

Goal(s) 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk 1,750

of structures 391

Critical facilities 5

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 15

Roadway(s) impacted (length) 7

Number of low water crossings 0

Historical road closures 0

Estimated Cost and Funding Availability

Total Cost \$100,000

Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **East Chocolate Bayou (E103-00-00)**

ID# **061000053**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Brazoria**

Watershed HUC# (if known) **120402040400**

Drainage area (Square miles, est.) **0**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **999,999**

of structures **999,999**

Critical facilities **999,999**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **999,999**

Roadway(s) impacted (length) **0**

Number of low water crossings **999,999**

Historical road closures

999,999

Estimated Cost and Funding Availability

Total Cost **\$130,000**

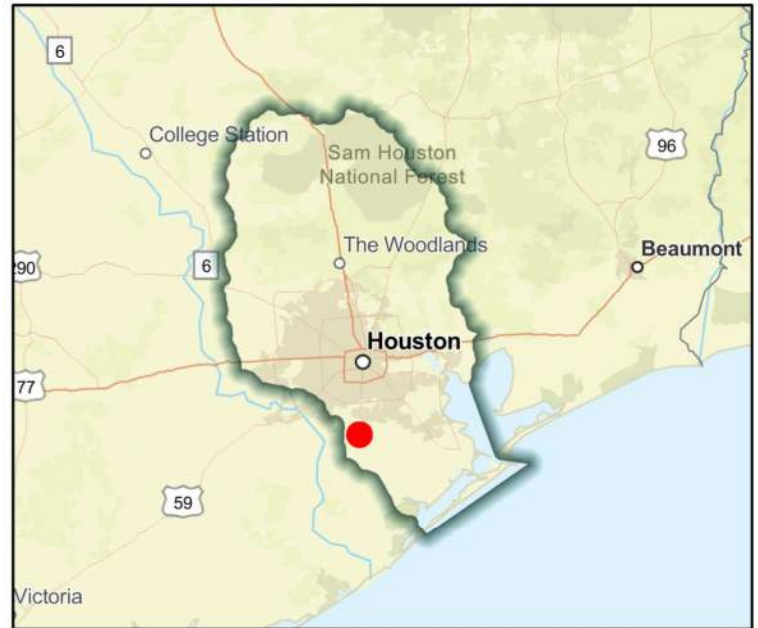
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Mary's Creek Lower Segment**

ID# **061000056**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Study to develop project into a FMP. Project will provide a 25-year LOS; Channel modifications from SH35 to downstream of Pearland Pkwy. and 1670 ac-ft mitigation.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Brazoria, Galveston**

Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **1**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **554**

of structures **75**

Critical facilities **1**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **0**

Roadway(s) impacted (length) **3**

Number of low water crossings **1**

Historical road closures **1**

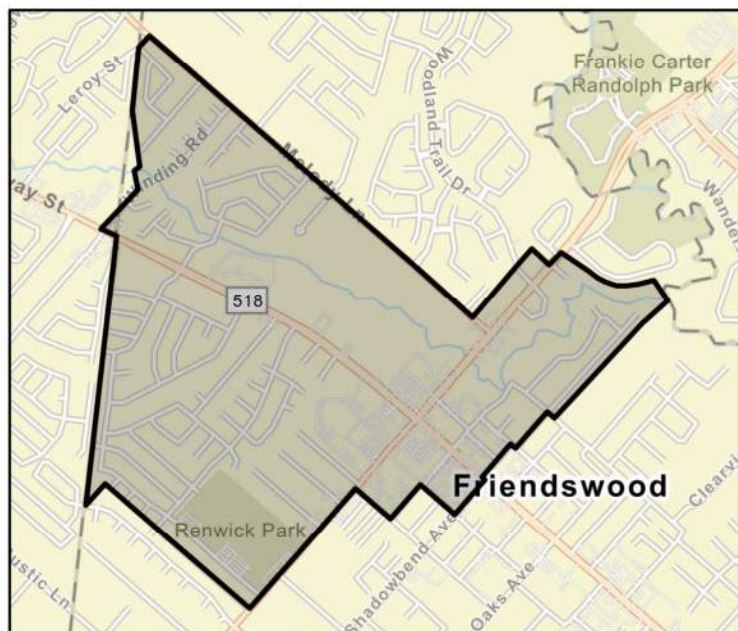
Estimated Cost and Funding Availability

Total Cost **\$160,000**

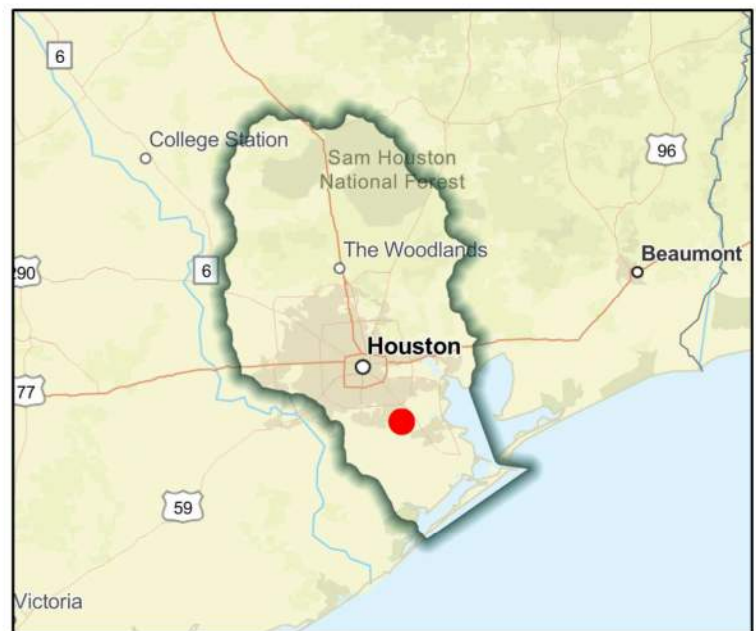
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Hickory Slough Middle Segment**

ID# **061000060**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Brazoria**

Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **2**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,596**

of structures **353**

Critical facilities **0**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **8**

Roadway(s) impacted (length) **4**

Number of low water crossings **0**

Historical road closures **0**

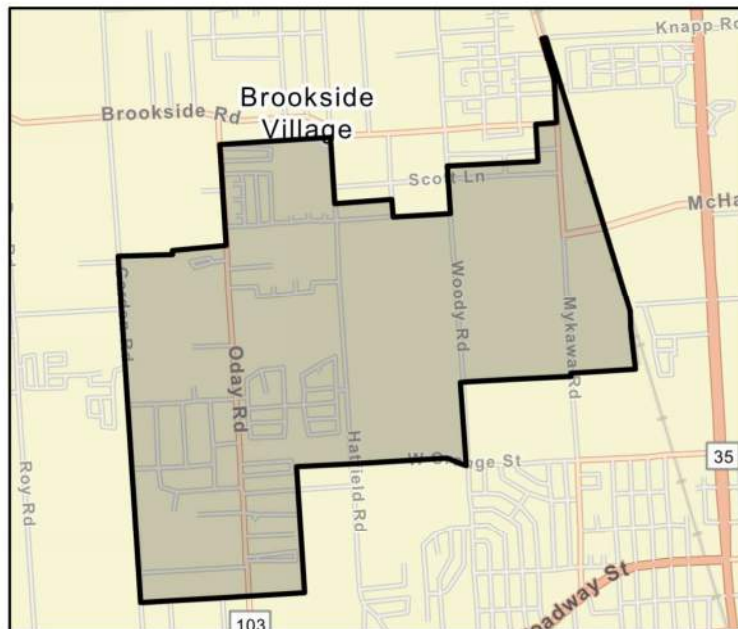
Estimated Cost and Funding Availability

Total Cost **\$180,000**

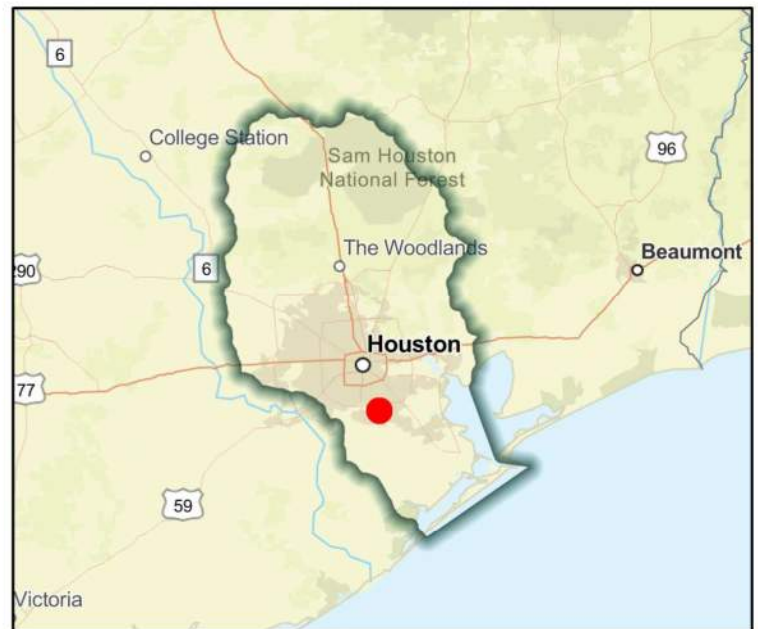
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title B106-WP01 & WP02 for Armand Bayou Watershed

ID# 061000323

Sponsor (name of entity, not person) Harris (County)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Conveyance improvements for B106-00-00 channel, including detention/mitigation storage.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040706,120402040100

Drainage area (Square miles, est.) 10

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,199

of structures 473

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 21

Roadway(s) impacted (length) 7

Number of low water crossings 0

Historical road closures

0

Estimated Cost and Funding Availability

Total Cost \$30,000

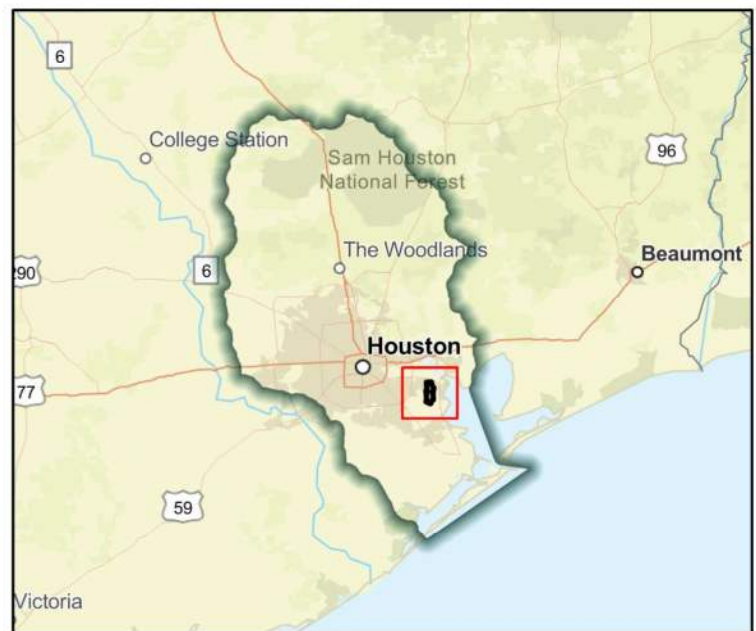
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Waller Master Drainage Plan

ID# 061000295

Sponsor (name of entity, not person) Waller (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Watershed Planning

Study description Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? Yes

Emergency Need? No

Existing/Anticipated models in near term? No

County Harris,Waller

Watershed HUC# (if known) 120401020101,120401020105,120401020201

Drainage area (Square miles, est.) 4

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 666

of structures 149

Critical facilities 4

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 48

Roadway(s) impacted (length) 5

Number of low water crossings 7

Historical road closures 7

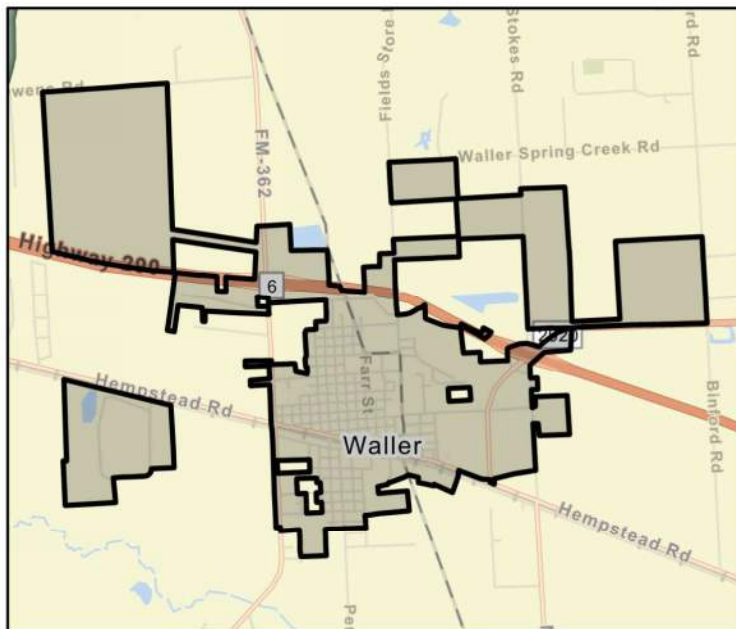
Estimated Cost and Funding Availability

Total Cost \$230,000

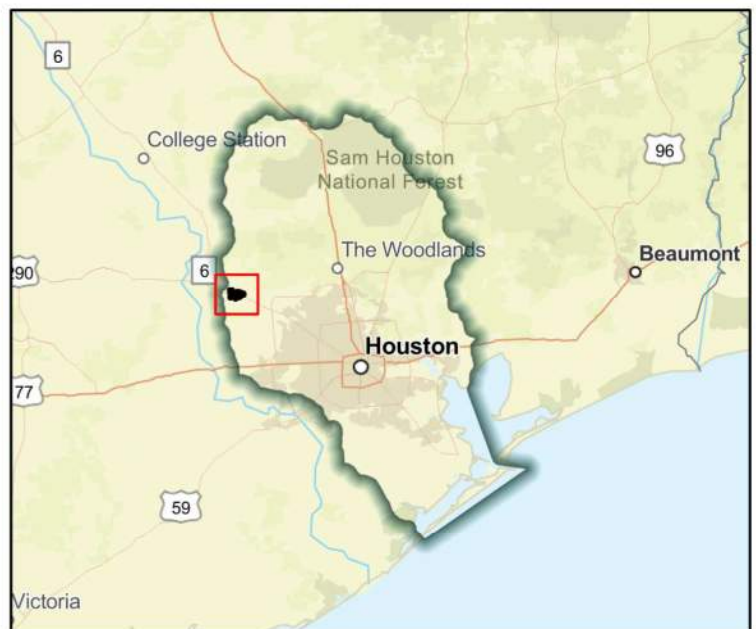
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Forest Estates - Live Oak Creek Watershed**
Artesian Forest 1 - Artesian Creek Watershed

ID# **061000442**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.**

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

County **Montgomery** Watershed HUC# (if known) **120401010207,120401010401**

Drainage area (Square miles, est.) **2** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **531** # of structures **99** Critical facilities **0**

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

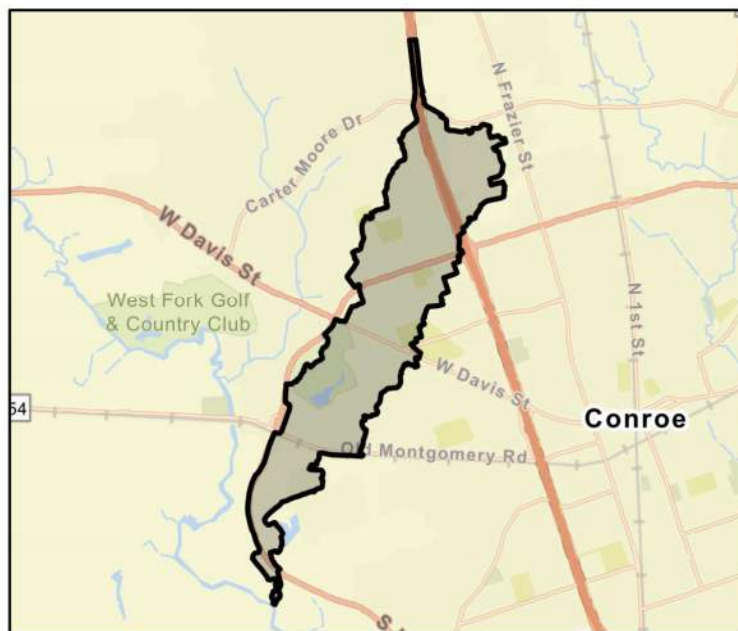
Farm/Ranch land impacted (acres) **1** Roadway(s) impacted (length) **2**

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

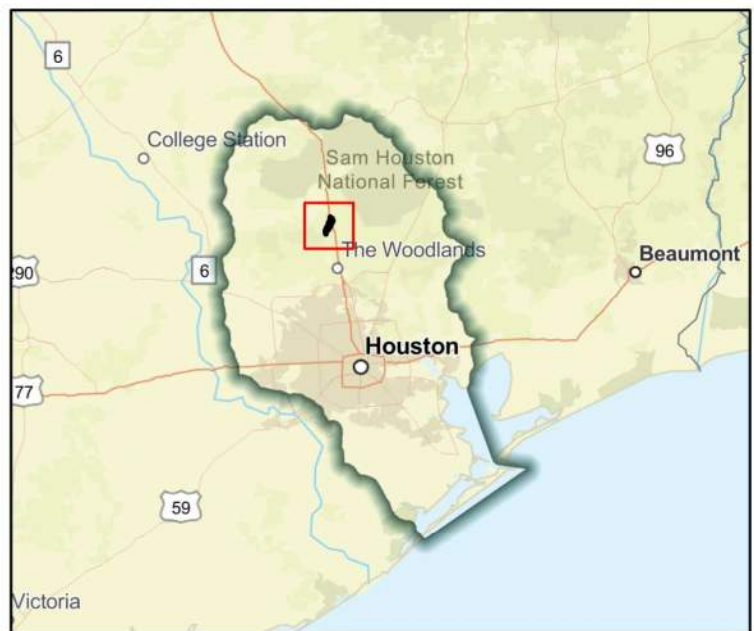
Estimated Cost and Funding Availability

Total Cost **\$30,000** Amount of Available Funding **999999** Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Artesian Forest 1 - Artesian Creek Watershed

ID# 061000443

Sponsor (name of entity, not person) Conroe (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Montgomery

Watershed HUC# (if known) 120401010207

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 69

of structures 40

Critical facilities 1

Flood risk type: Riverine? No

Coastal? No

Local? No

Playa? No

Other? Yes

Farm/Ranch land impacted (acres) 7

Roadway(s) impacted (length) 1

Number of low water crossings 0

Historical road closures 0

Estimated Cost and Funding Availability

Total Cost \$30,000

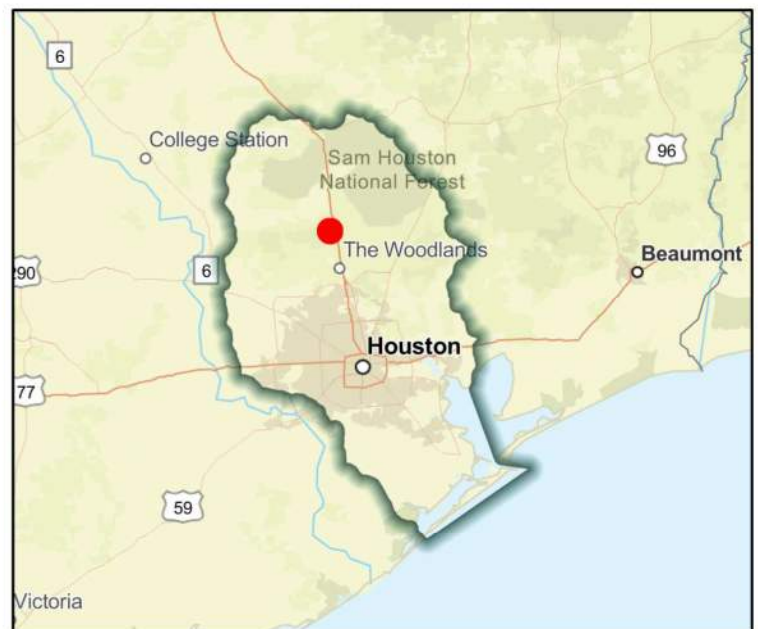
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Artesian Forest East - Artesian Creek Watershed

ID# 061000444

Sponsor (name of entity, not person) Conroe (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Montgomery

Watershed HUC# (if known) 120401010207

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 69

of structures 40

Critical facilities 1

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 7

Roadway(s) impacted (length) 1

Number of low water crossings 0

Historical road closures

0

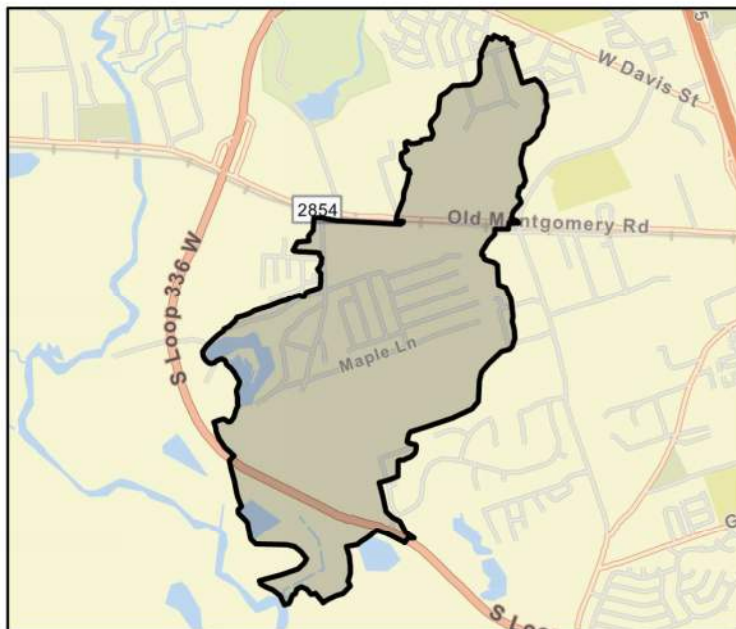
Estimated Cost and Funding Availability

Total Cost \$30,000

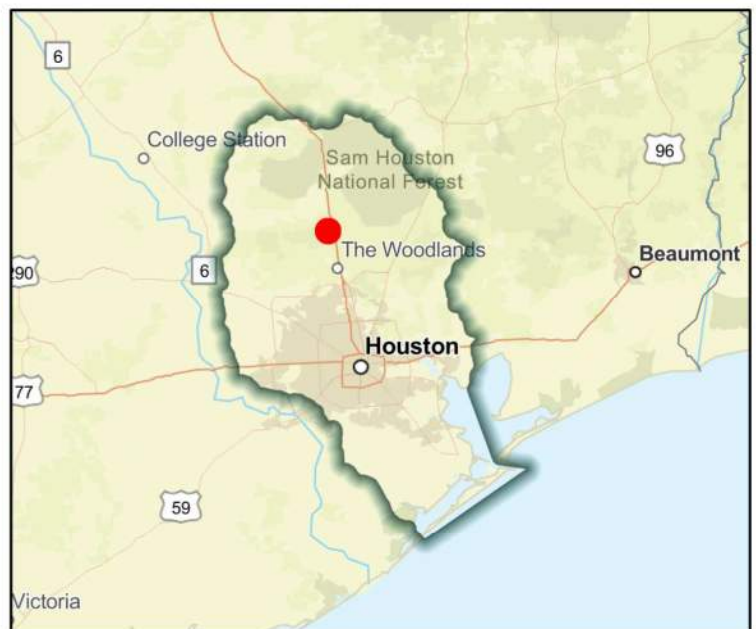
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Longmire and SH-105 - Live Oak Creek Watershed

ID# 061000462

Sponsor (name of entity, not person) Conroe (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Project Planning

Study description Develop a benefits cost analysis in support of this project identified in the City of Conroe Master Drainage Plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Montgomery

Watershed HUC# (if known) 120401010207,120401010401

Drainage area (Square miles, est.) 2

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 531

of structures 99

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1

Roadway(s) impacted (length) 2

Number of low water crossings 0

Historical road closures

0

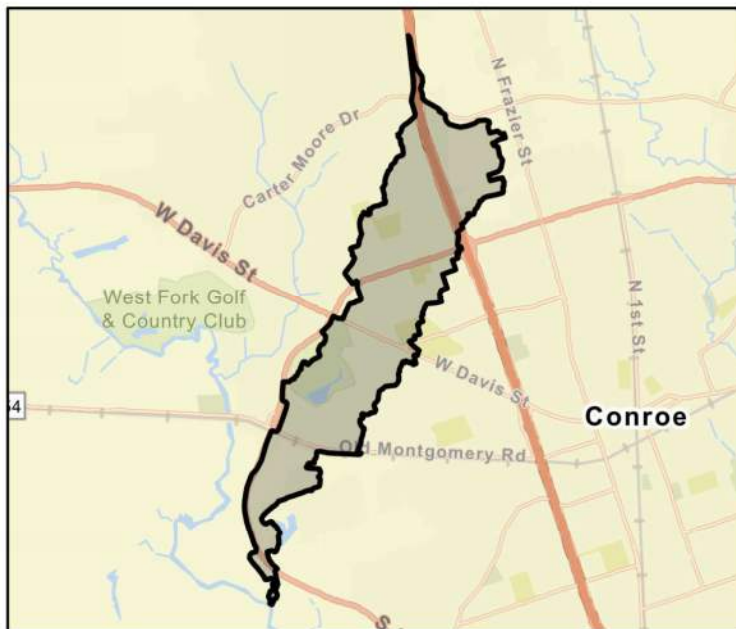
Estimated Cost and Funding Availability

Total Cost \$30,000

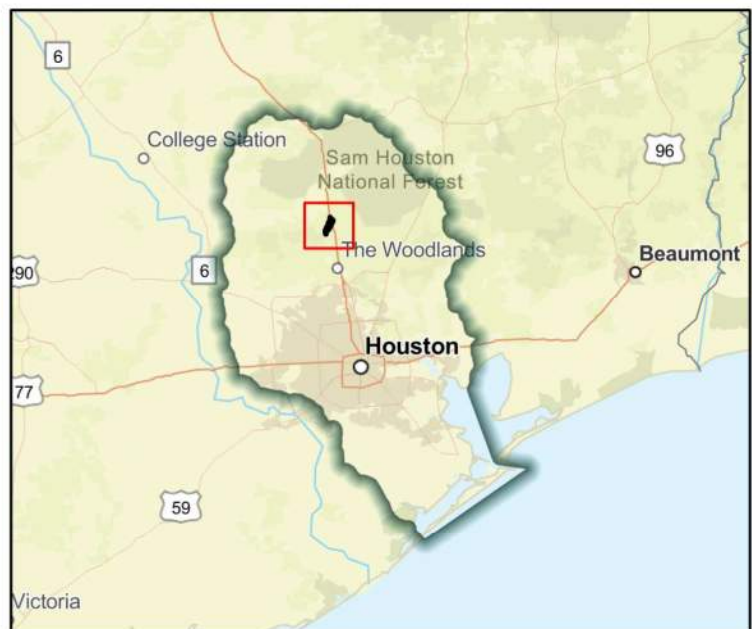
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Hickory Slough (Upper Segment)**

ID# **061000057**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Brazoria**

Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **5**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,269**

of structures **413**

Critical facilities **4**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **6**

Roadway(s) impacted (length) **2**

Number of low water crossings **0**

Historical road closures **0**

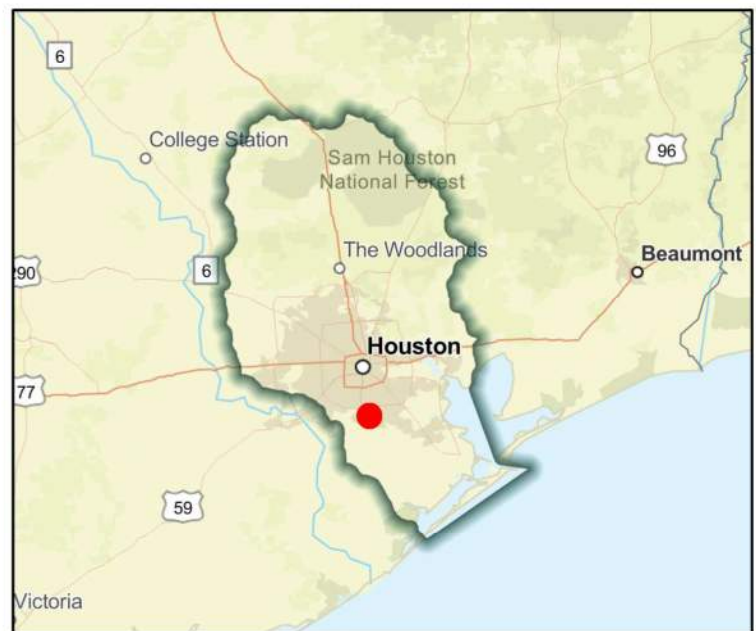
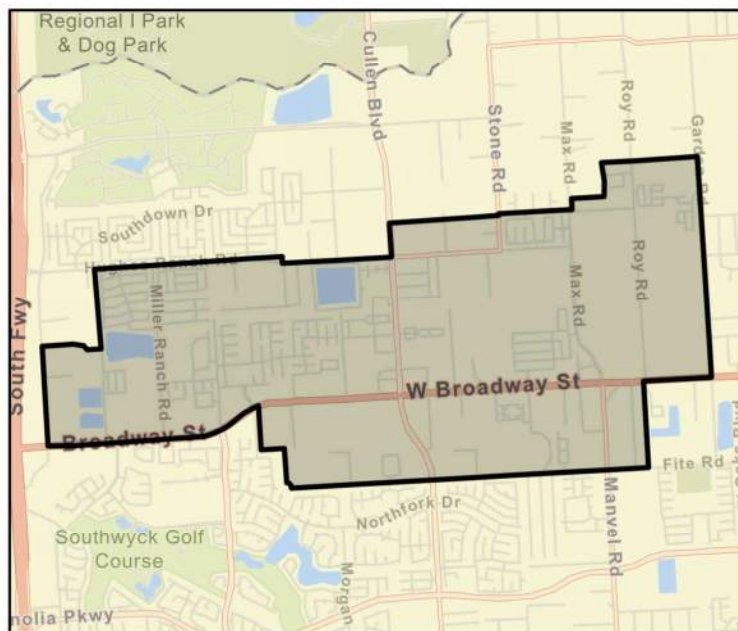
Estimated Cost and Funding Availability

Total Cost **\$250,000**

Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Mary's Creek Upper Segment**

ID# **061000061**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Brazoria**

Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **5**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **999,999**

of structures **999,999**

Critical facilities **999,999**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **999,999**

Roadway(s) impacted (length) **999,999**

Number of low water crossings **999,999**

Historical road closures **999,999**

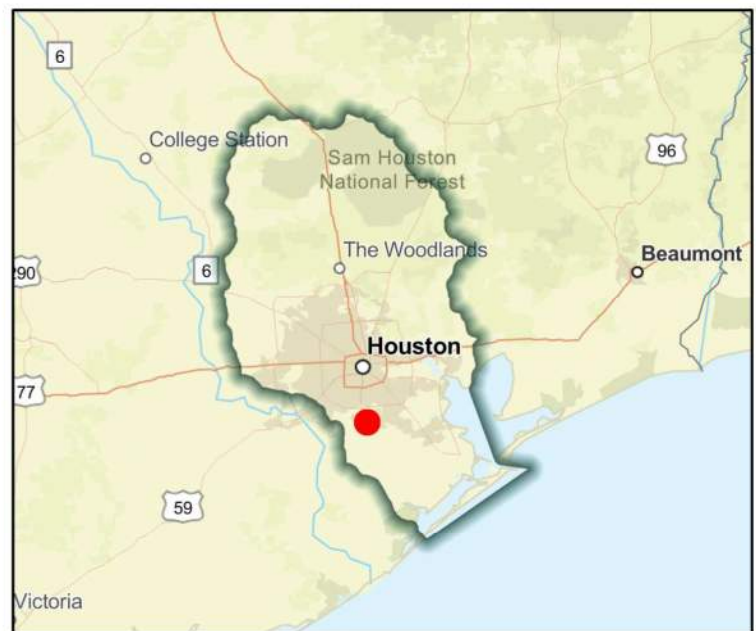
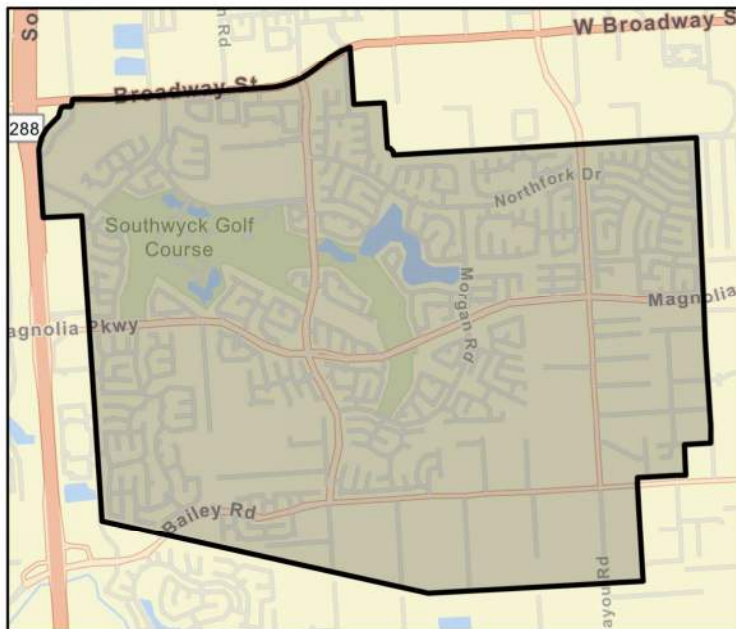
Estimated Cost and Funding Availability

Total Cost **\$250,000**

Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Hickory Slough Lower Segment**

ID# **061000065**

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

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Brazoria**

Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **1**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,648**

of structures **424**

Critical facilities **0**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **5**

Roadway(s) impacted (length) **6**

Number of low water crossings **0**

Historical road closures **0**

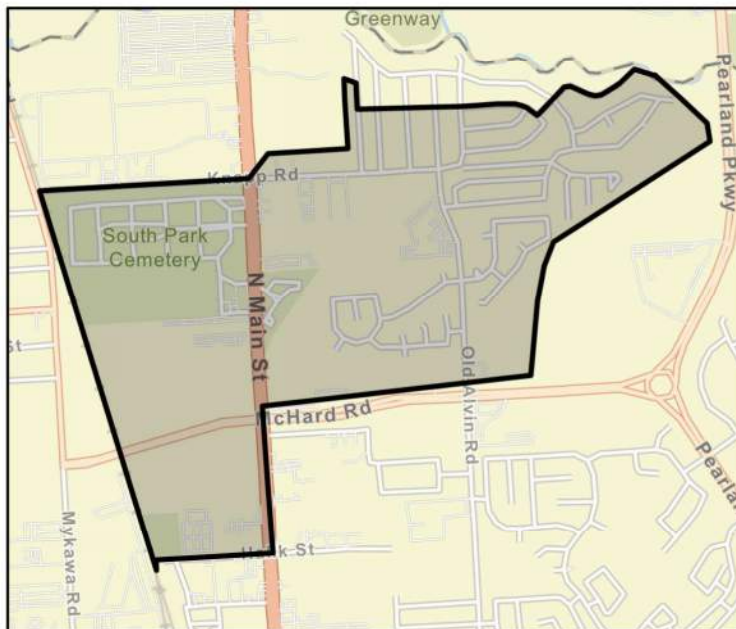
Estimated Cost and Funding Availability

Total Cost **\$160,000**

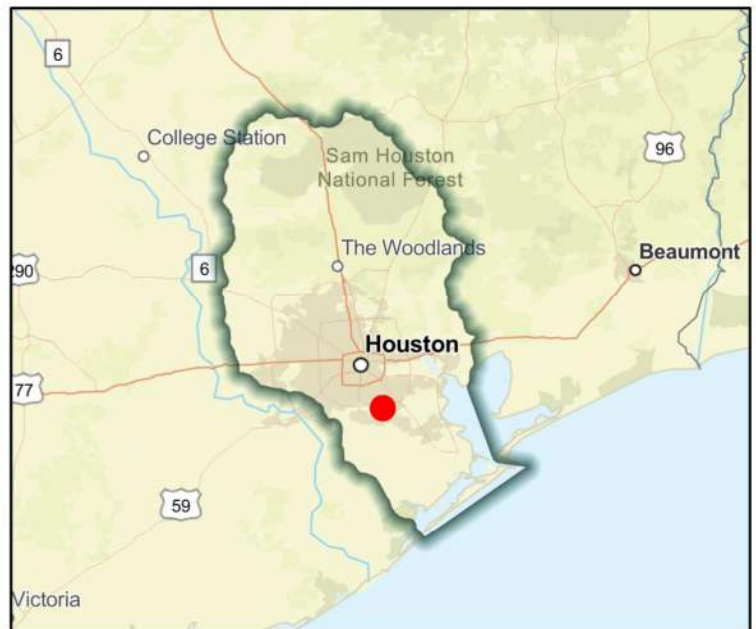
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Cowart Creek Segment 16

ID# 061000070

Sponsor (name of entity, not person) Pearland (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Brazoria

Watershed HUC# (if known) 120402040100

Drainage area (Square miles, est.) 2

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 313

of structures 150

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 8

Roadway(s) impacted (length) 1

Number of low water crossings 0

Historical road closures

0

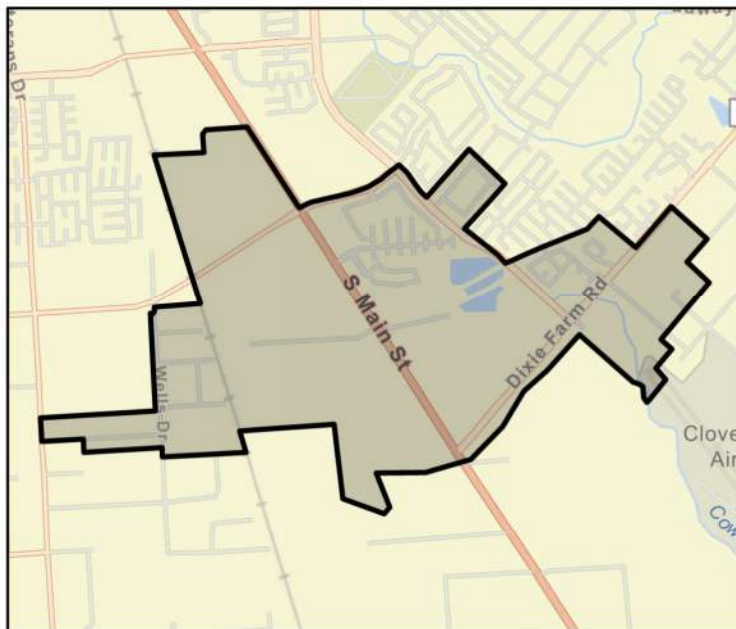
Estimated Cost and Funding Availability

Total Cost \$190,000

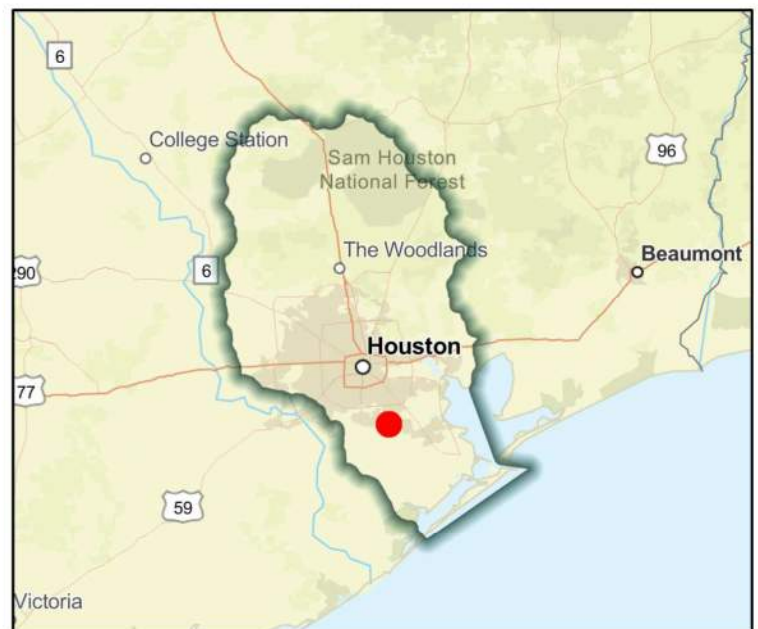
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title White Oak Bayou - General Drainage Improvements along E105-00-00

ID# 061000196

Sponsor (name of entity, not person) Houston (Municipality)

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Project Planning

Study description Further study of channel improvements from partnership project to restore channel conveyance including Atlas 14 rainfalls.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040304

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 431

of structures 160

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 1

Roadway(s) impacted (length) 3

Number of low water crossings 0

Historical road closures 0

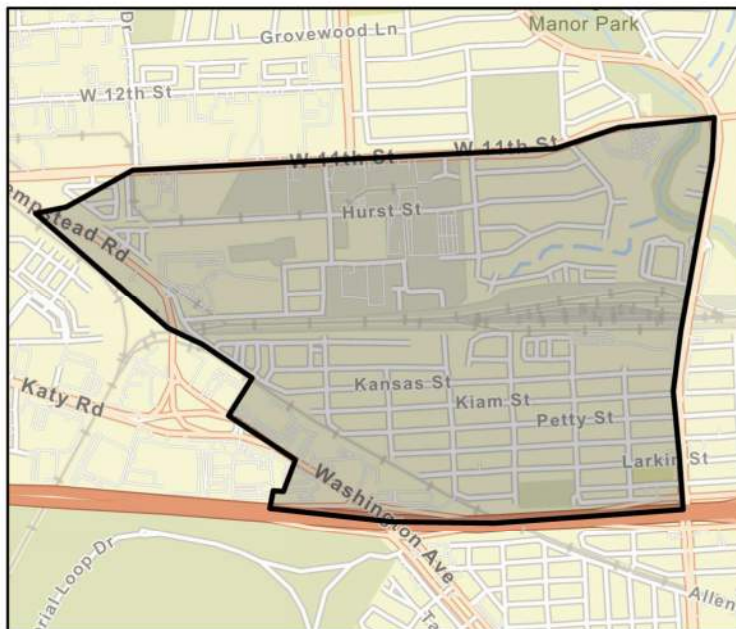
Estimated Cost and Funding Availability

Total Cost \$120,000

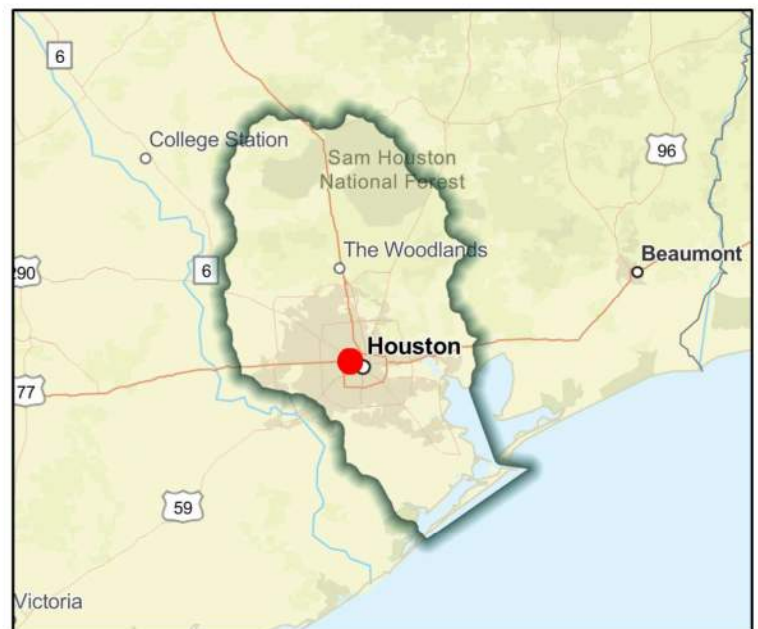
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00

ID# 061000349

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The project could reduce the risk of flooding for over 40 structures in an Atlas 14 1% rainfall event.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040706,120402040100

Drainage area (Square miles, est.) 2

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 999,999

of structures 999,999

Critical facilities 999,999

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 999,999

Number of low water crossings 999,999

Historical road closures 999,999

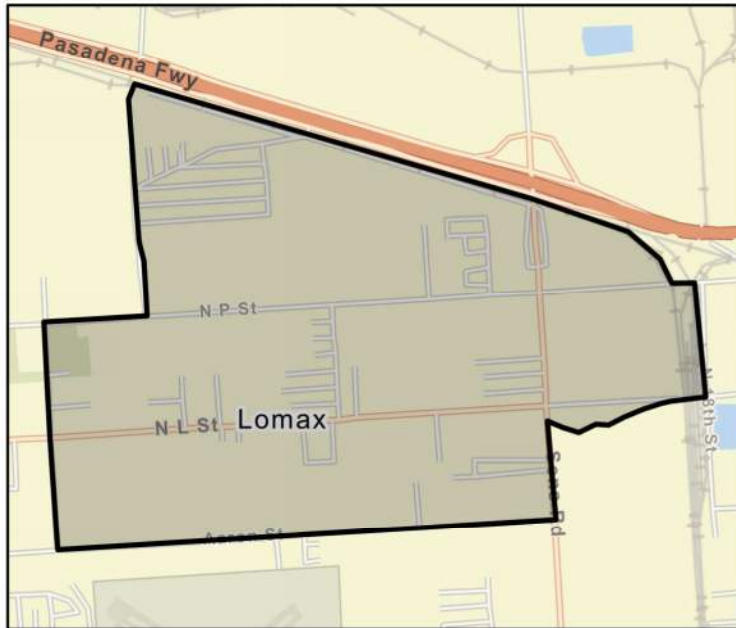
Estimated Cost and Funding Availability

Total Cost \$30,000

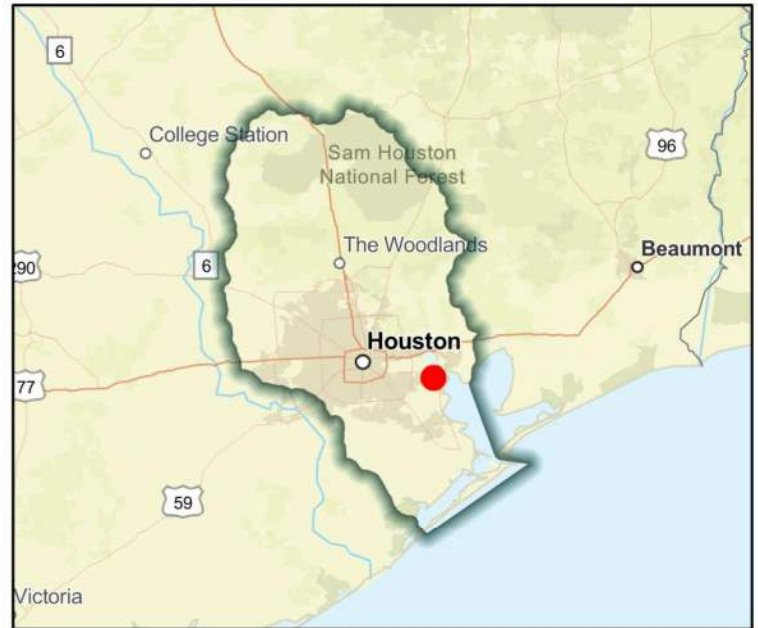
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Clear Creek - Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity

ID# 061000425

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Major maintenance to restore channel conveyance capacity.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Galveston,Harris

Watershed HUC# (if known) 120401040502,120401040501,120402040200,120402040400,120402040

Drainage area (Square miles, est.) 5

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 1,319

of structures 424

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 3

Roadway(s) impacted (length) 9

Number of low water crossings 0

Historical road closures 0

Estimated Cost and Funding Availability

Total Cost \$30,000

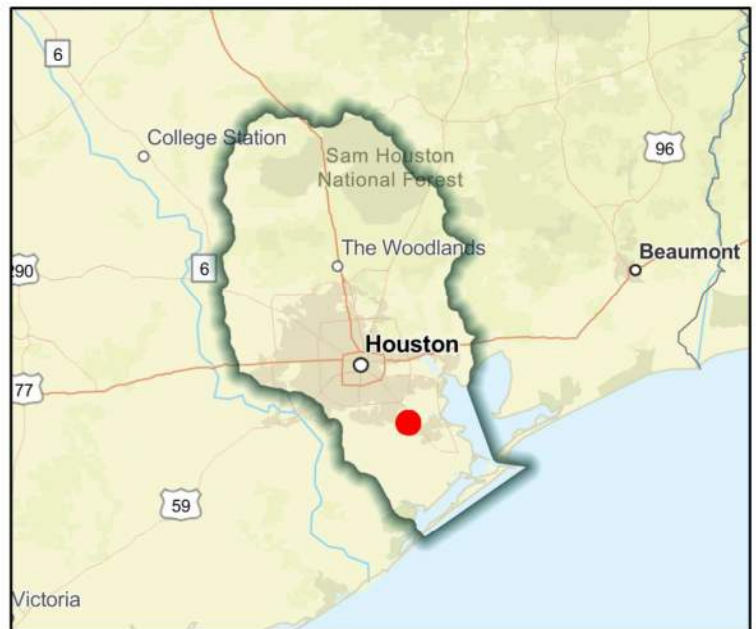
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960

ID# 061000379

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements upstream of FM 1960.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris,Liberty

Watershed HUC# (if known) 120401030205,120401040705,120401040706,120401040704,120402030

Drainage area (Square miles, est.) 23

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 147

of structures 75

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 463

Roadway(s) impacted (length) 5

Number of low water crossings 0

Historical road closures 0

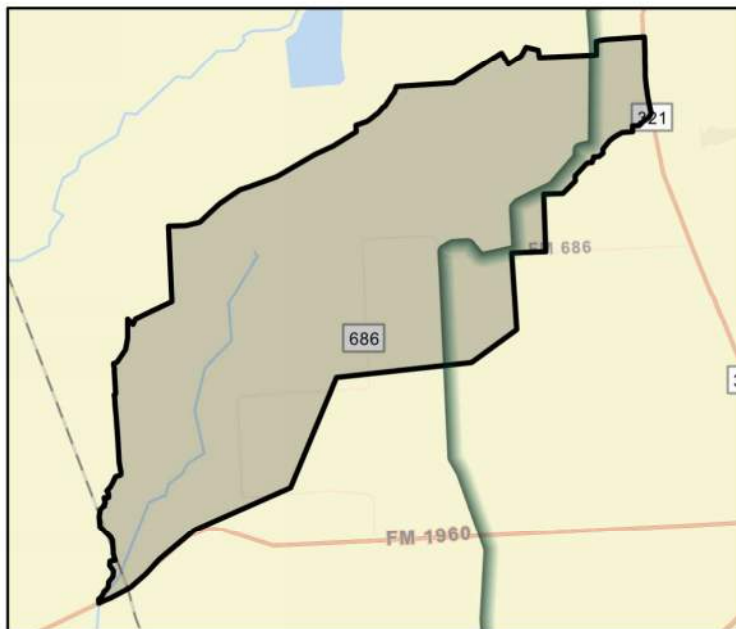
Estimated Cost and Funding Availability

Total Cost \$30,000

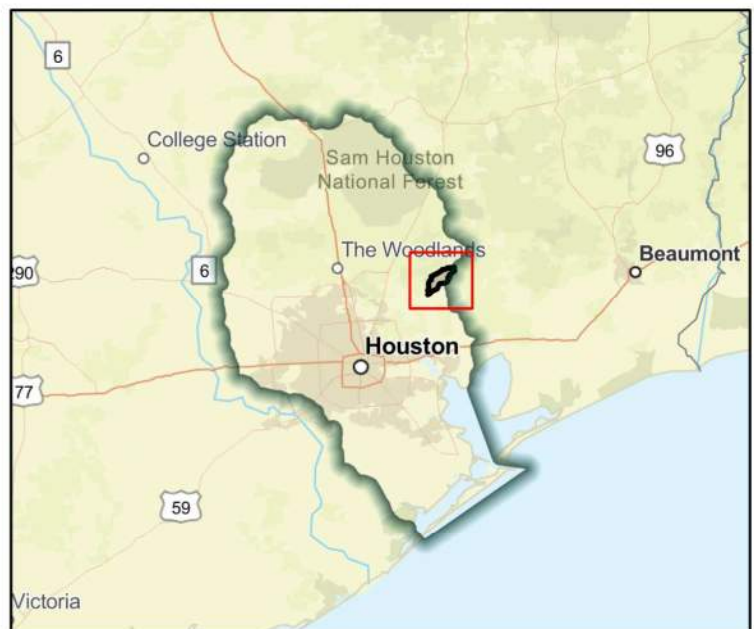
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **City of Alvin Master Drainage Plan**

ID# **061000039**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Watershed Planning**

Study description **Comprehensive review of current drainage, studies and recommendations for future projects and studies to create a Master Drainage Plan for the City of Alvin.**

New Hydrologic or Hydraulic model? **Yes**

Emergency Need? **No**

Existing/Anticipated models in near term? **No**

County **Brazoria, Galveston, Fort Bend**

Watershed HUC# (if known) **120402040300, 120402040200, 120402040400, 120402040100**

Drainage area (Square miles, est.) **25**

Goal(s) **06000001, 06000011, 06000012, 06000015**

100-Year Flood Risk Summary

Population at risk **21,569**

of structures **3,445**

Critical facilities **18**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **262**

Roadway(s) impacted (length) **57**

Number of low water crossings **0**

Historical road closures

0

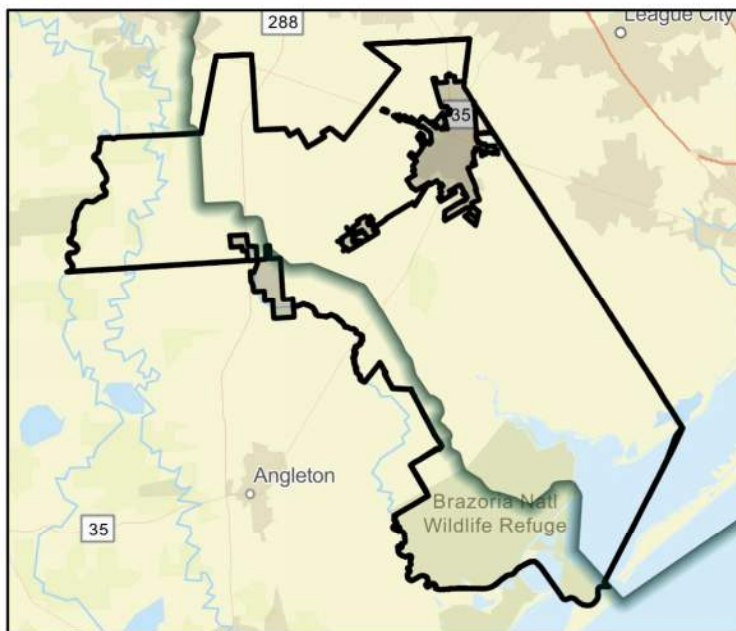
Estimated Cost and Funding Availability

Total Cost **\$440,000**

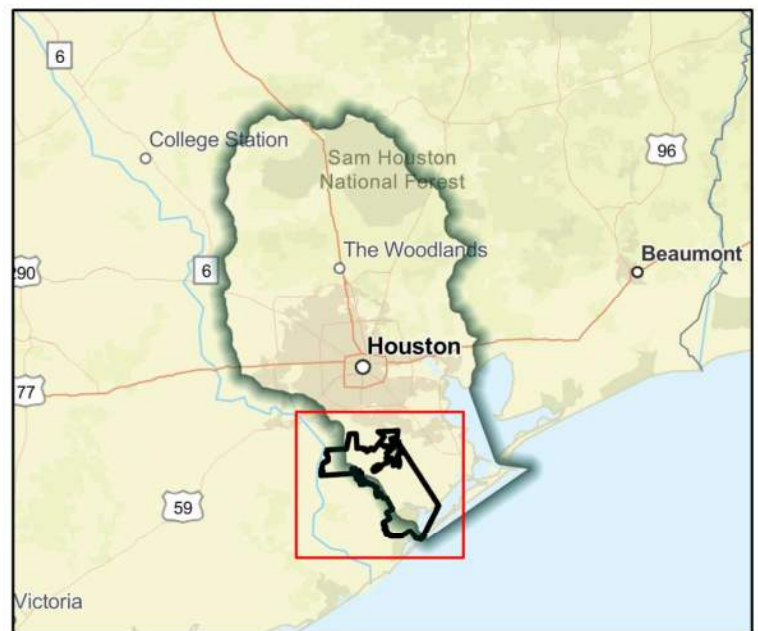
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Manvel Flora St. Drainage Improvements

ID# 061000045

Sponsor (name of entity, not person) Manvel (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study of possible Flora Street drainage improvements: widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding in Manvel neighborhoods.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Brazoria

Watershed HUC# (if known) 120402040200,120402040400,120402040100

Drainage area (Square miles, est.) 27

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 8,190

of structures 1,250

Critical facilities 8

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 179

Roadway(s) impacted (length) 43

Number of low water crossings 0

Historical road closures

0

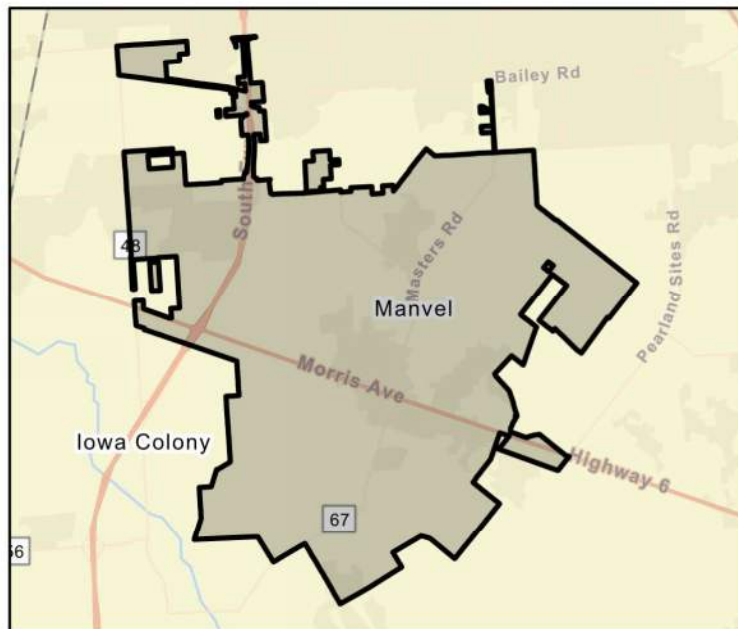
Estimated Cost and Funding Availability

Total Cost \$100,000

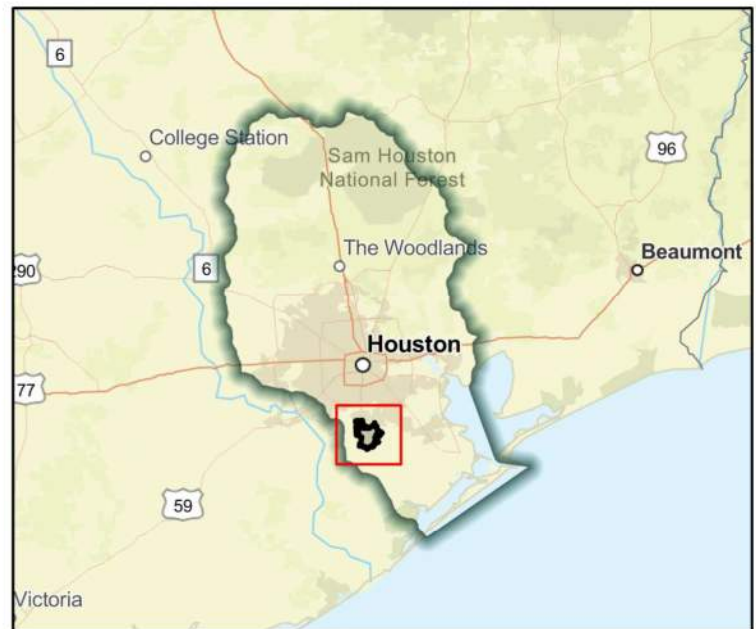
Amount of Available Funding 999999

Federal funding availability Yes

Funding source FEMA-HMGP, PDM, FMA, City, County, Drainage District



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **West Fork Chocolate (Cold River Ranch Ditch)**

ID# **061000051**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Further study of proposed channel modifications to Cold River Ranch Ditch included in the City of Pearland master drainage plan to include Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Brazoria**

Watershed HUC# (if known) **120402040400**

Drainage area (Square miles, est.) **2**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **56**

of structures **60**

Critical facilities **0**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **0**

Roadway(s) impacted (length) **1**

Number of low water crossings **999,999**

Historical road closures

999,999

Estimated Cost and Funding Availability

Total Cost **\$180,000**

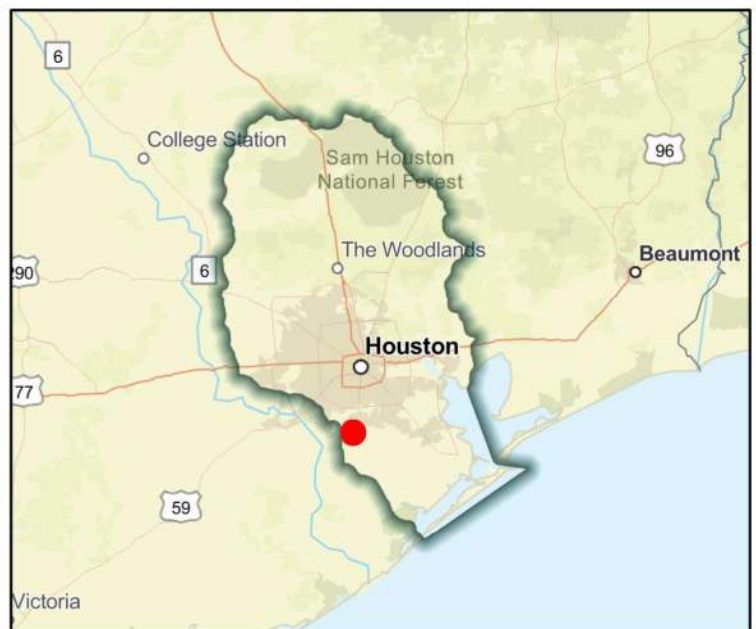
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence

ID# 061000368

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris,Liberty

Watershed HUC# (if known) 120401030205,120401040705,120401040706,120401040704,120402030

Drainage area (Square miles, est.) 4

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 241

of structures 174

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 141

Roadway(s) impacted (length) 3

Number of low water crossings 0

Historical road closures 0

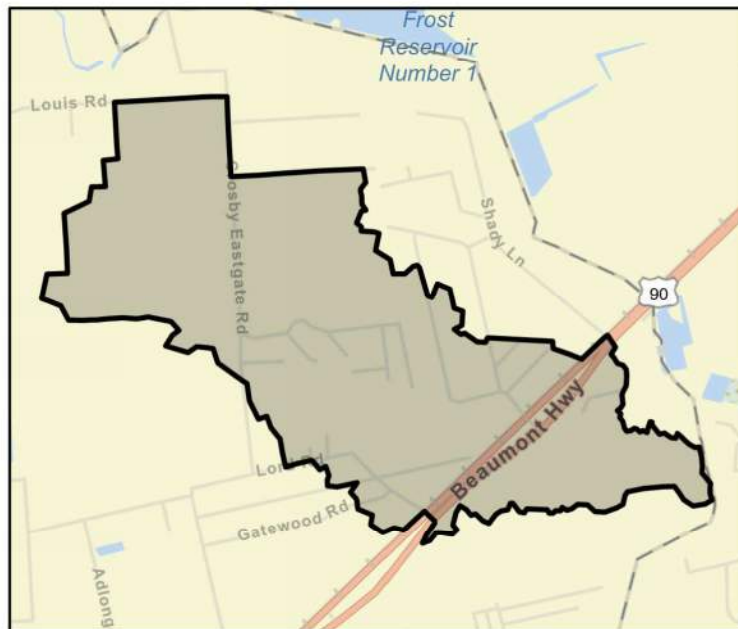
Estimated Cost and Funding Availability

Total Cost \$30,000

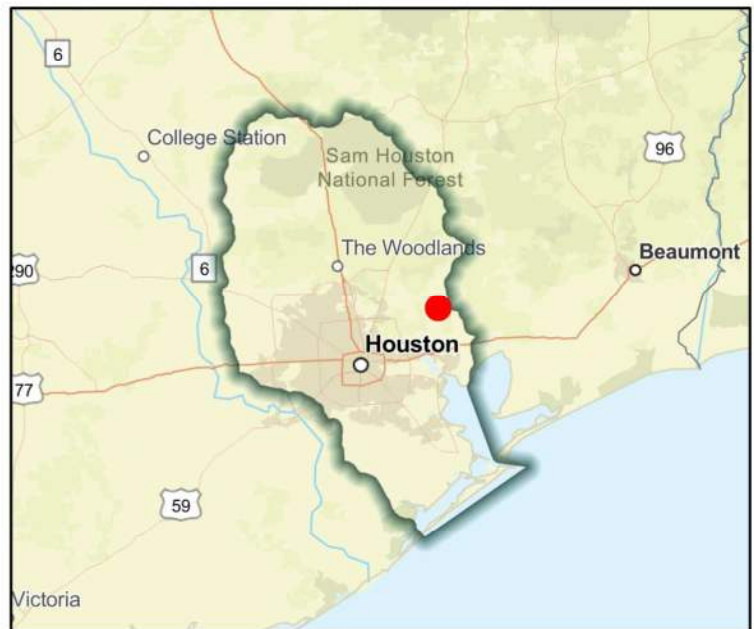
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Arcadian Gardens Subdivision Drainage Improvements

ID# 061000317

Sponsor (name of entity, not person) Harris (County)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a Cost Benefit Analysis and elevate the project to a FMP. To achieve this goal, the key features of improvements are to rehabilitate roadside swales, build new storm sewers and improve the outfall drainage conditions.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Harris

Watershed HUC# (if known) 120401040704

Drainage area (Square miles, est.) 0

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 5

of structures 5

Critical facilities 0

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 0

Number of low water crossings 999,999

Historical road closures

999,999

Estimated Cost and Funding Availability

Total Cost \$30,000

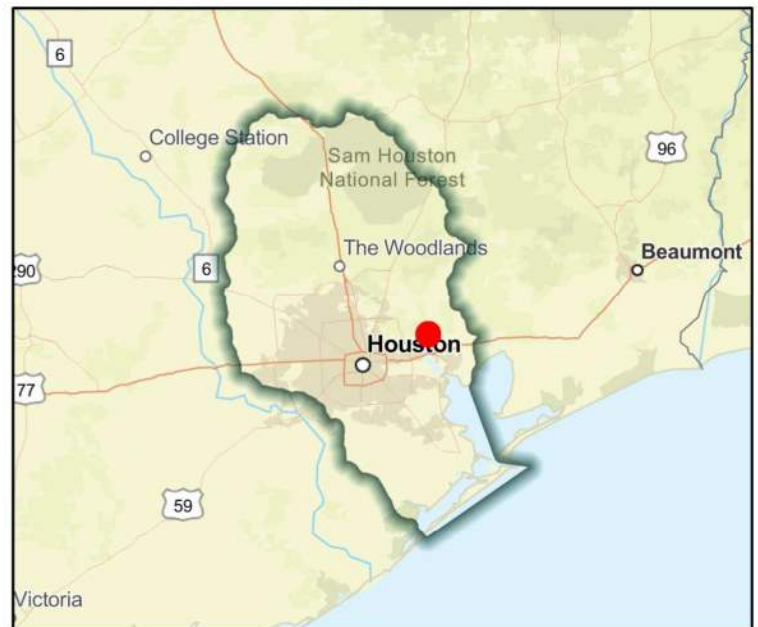
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Greens Bayou - P130-05-02

ID# 061000204

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study of Flood Risk Reduction need identified through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040602

Drainage area (Square miles, est.) 0

Goal(s) 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk 130

of structures 94

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 1

Number of low water crossings 999,999

Historical road closures

999,999

Estimated Cost and Funding Availability

Total Cost \$100,000

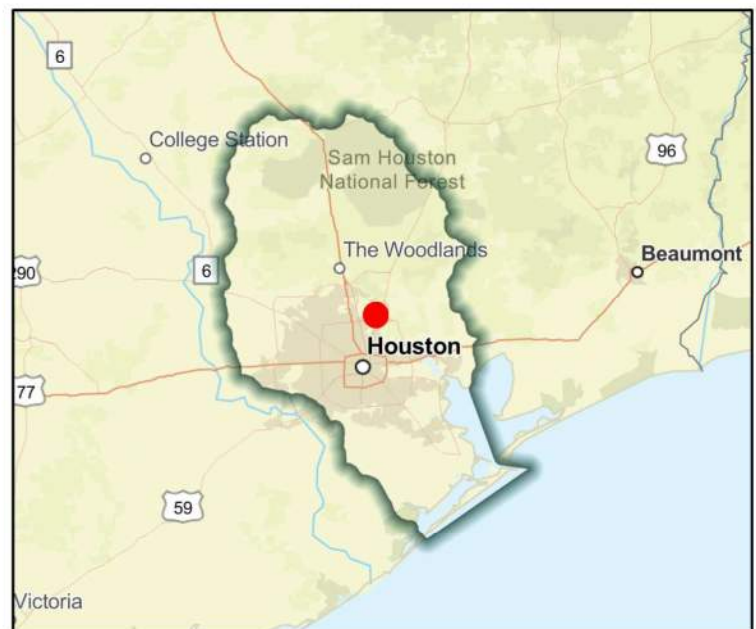
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Spring Creek Watershed Plan- Recommended Alternative for PA-02: J131-01-00
Storm Sewer improvements & channel modification

ID# 061000337

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a BCR required for this project to become a FMP. Channel modifications along J131-01 & storm sewer improvements under Zion Road, reduces sheetflow by providing positive drainage outfall for ~200 ac of land.

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

County Harris Watershed HUC# (if known) 120401020209

Drainage area (Square miles, est.) 0 Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 7 # of structures 6 Critical facilities 0

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

Farm/Ranch land impacted (acres) 999,999 Roadway(s) impacted (length) 0

Number of low water crossings 1 Historical road closures 1

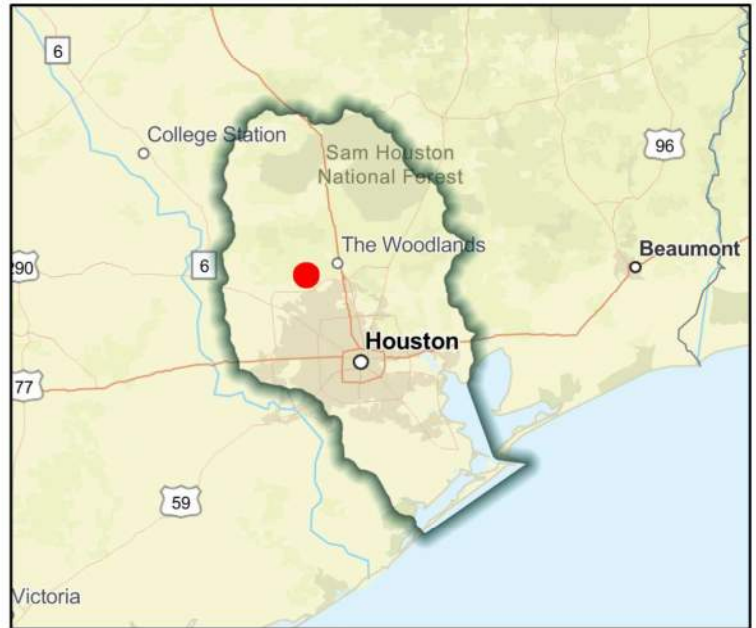
Estimated Cost and Funding Availability

Total Cost \$30,000 Amount of Available Funding 999999 Federal funding availability Yes

Funding source Harris County, City of Tomball, Flood Control District and



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Barker - T103-00-00**

ID# **061000218**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of Flood Risk Reduction need identified through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040102,120401040104,120401040203**

Drainage area (Square miles, est.) **4**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **0**

of structures **0**

Critical facilities **0**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **1**

Roadway(s) impacted (length) **1**

Number of low water crossings **0**

Historical road closures **0**

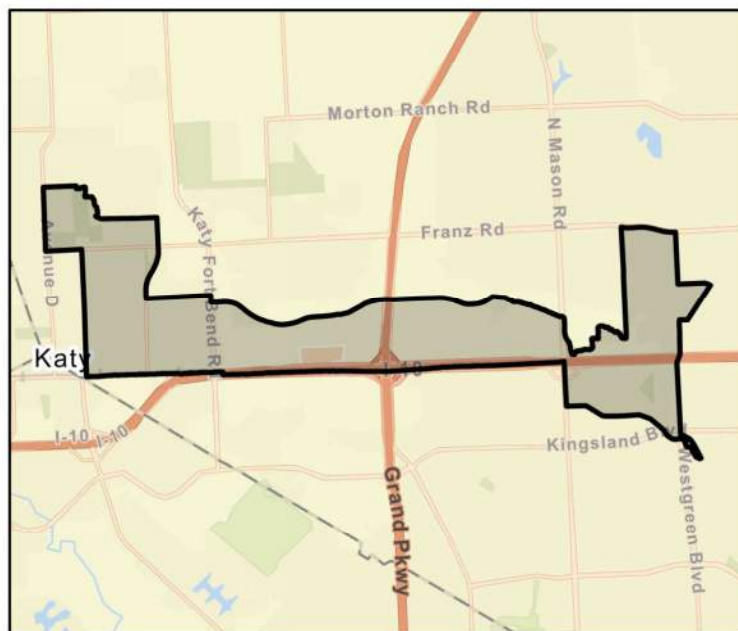
Estimated Cost and Funding Availability

Total Cost **\$100,000**

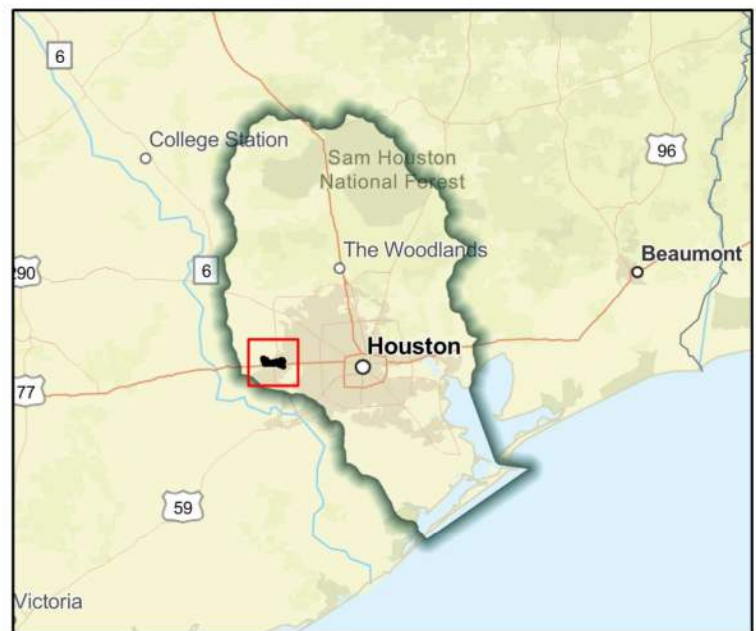
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Bunker Hill Drainage Projects

ID# 061000016

Sponsor (name of entity, not person) Bunker Hill Village (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study of proposed localized and regional flood risk reduction projects within the City of Bunker Hill.

New Hydrologic or Hydraulic model? Yes

Emergency Need? No

Existing/Anticipated models in near term? No

County Harris

Watershed HUC# (if known) 120401040303

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 0

of structures 0

Critical facilities 0

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 999,999

Number of low water crossings 999,999

Historical road closures 999,999

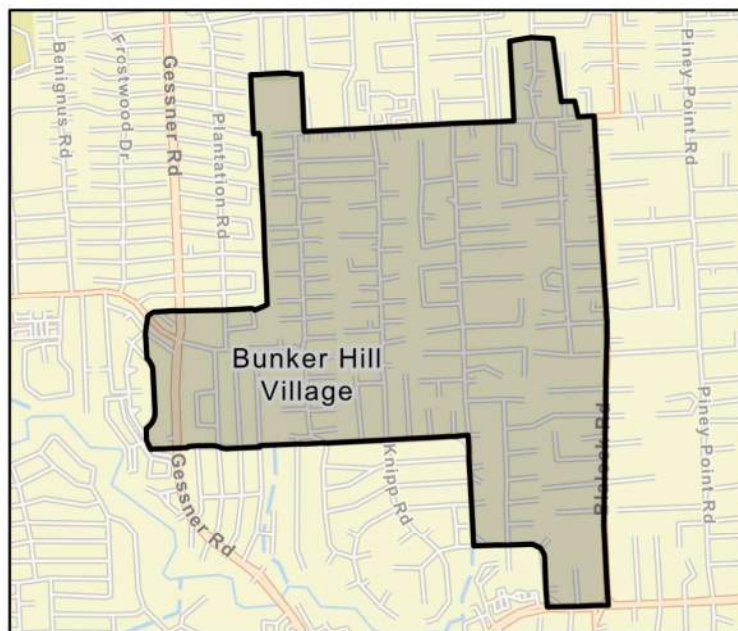
Estimated Cost and Funding Availability

Total Cost \$100,000

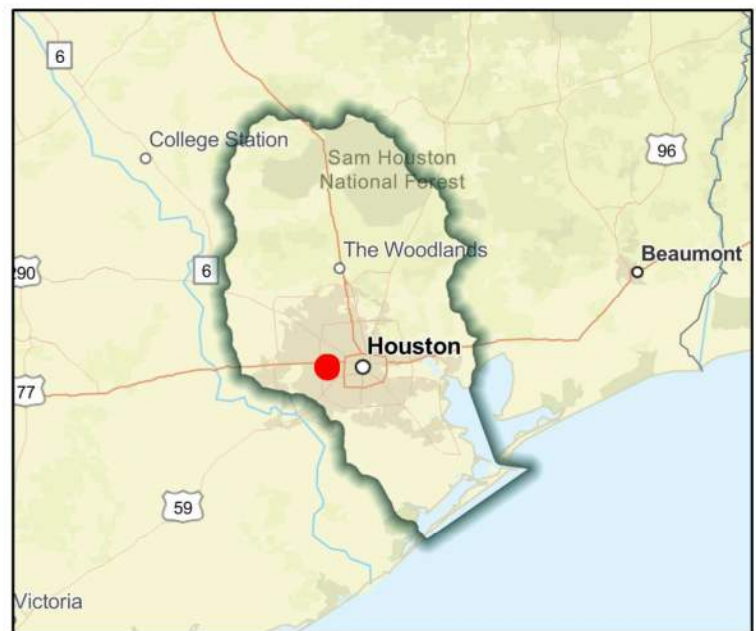
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Roman Forest Boulevard Bridge Elevation Project

ID# 061000388

Sponsor (name of entity, not person) Montgomery (County)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study of this project involves the study, design, elevation, and replacement of the Roman Forest Boulevard Bridge to mitigate the risks associated with storms and riverine flooding for the approximate 15,000 citizens.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Montgomery

Watershed HUC# (if known) 120401030109,120401030402

Drainage area (Square miles, est.) 2

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 270

of structures 86

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 3

Number of low water crossings 0

Historical road closures 0

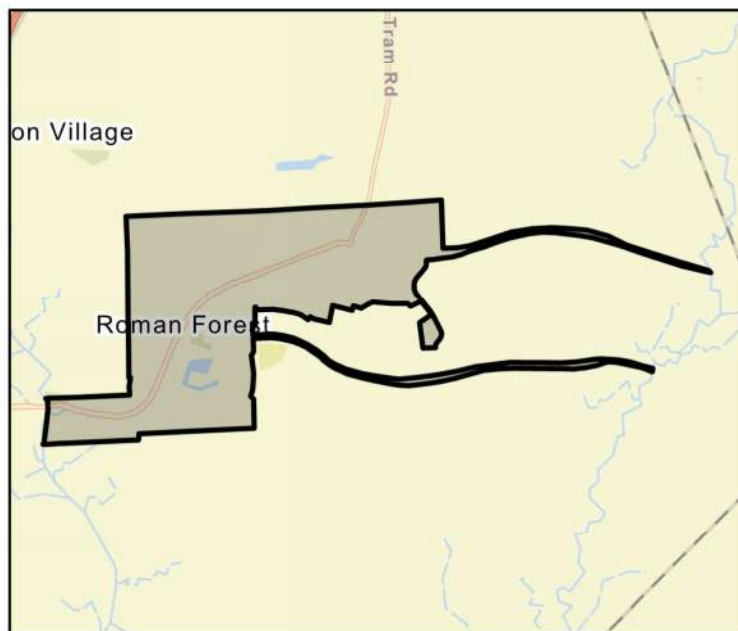
Estimated Cost and Funding Availability

Total Cost \$30,000

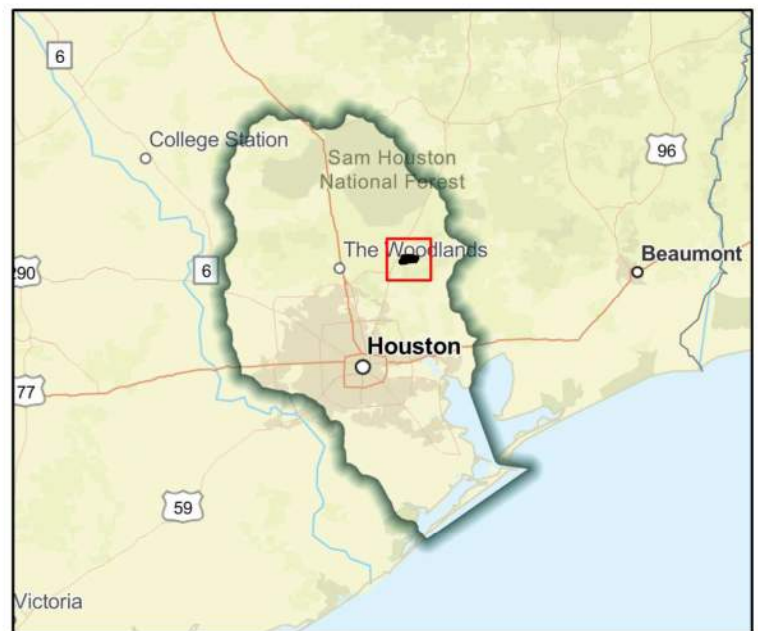
Amount of Available Funding 999999

Federal funding availability Yes

Funding source CDBG-MIT



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system

ID# 061000137

Sponsor (name of entity, not person) Clear Lake Shores (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Galveston,Harris

Watershed HUC# (if known) 120402040100

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 3,407

of structures 633

Critical facilities 4

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 9

Number of low water crossings 0

Historical road closures

0

Estimated Cost and Funding Availability

Total Cost \$140,000

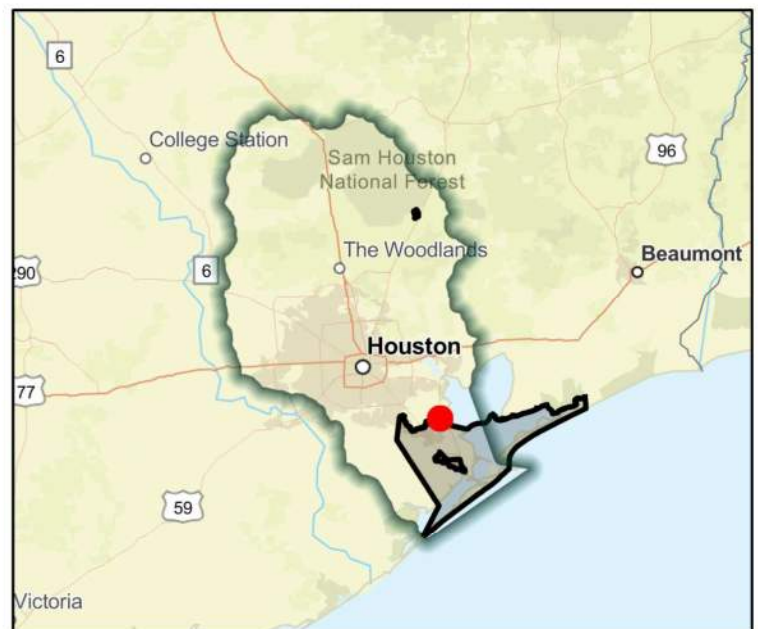
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **City of Hillcrest Village Drainage Improvements**

ID# **061000049**

Sponsor (name of entity, not person) **Hillcrest Village (Municipality)**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study and FMP development required to assess alternatives to restore drainage and mitigate flooding throughout the City of Hillcrest Village.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **No**

County **Brazoria**

Watershed HUC# (if known) **120402040400**

Drainage area (Square miles, est.) **0**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **333**

of structures **128**

Critical facilities **1**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **0**

Roadway(s) impacted (length) **2**

Number of low water crossings **0**

Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$130,000**

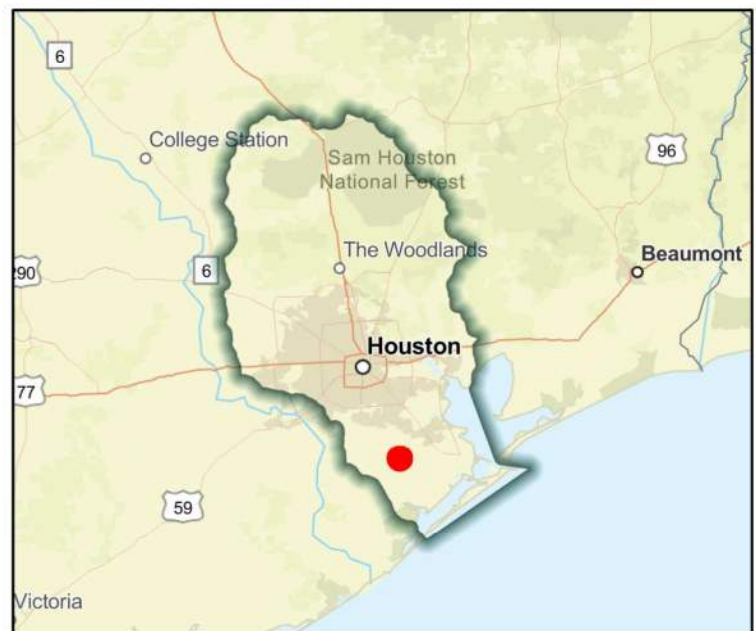
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **West Chocolate Bayou (CR 383 Ditch)**

ID# **061000050**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Brazoria,Fort Bend**

Watershed HUC# (if known) **120402040400**

Drainage area (Square miles, est.) **3**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **0**

of structures **0**

Critical facilities **0**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **0**

Roadway(s) impacted (length) **0**

Number of low water crossings **0**

Historical road closures **0**

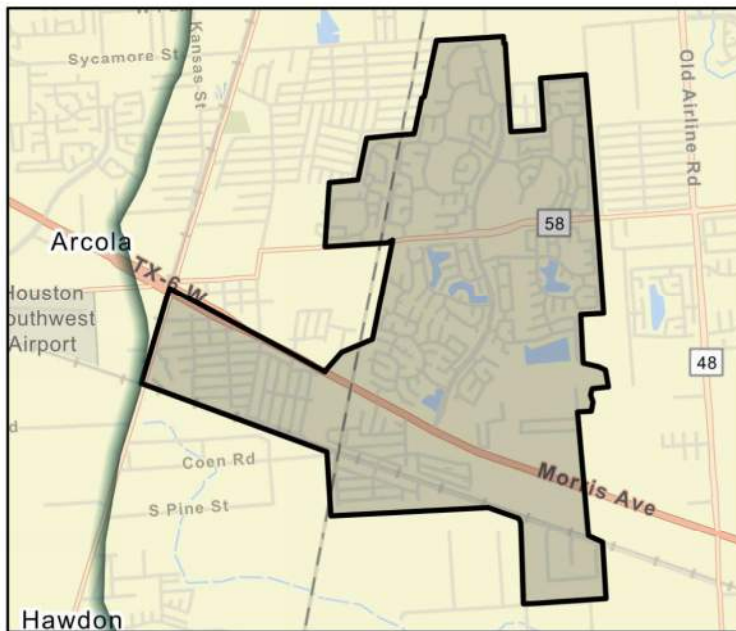
Estimated Cost and Funding Availability

Total Cost **\$220,000**

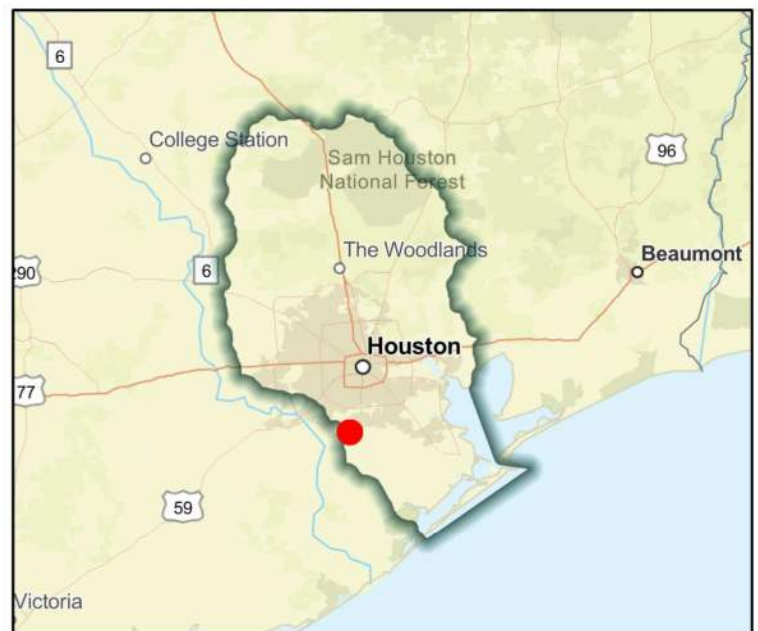
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Armand Bayou Watershed- Basin Expansion and Extension and H&H Study (Phases 1 + 2)**

ID# **061000321**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Channel modifications along B115-00-00 requires expansion of B500-04-00 and new detention property.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **No**

County **Harris**

Watershed HUC# (if known) **120402040100**

Drainage area (Square miles, est.) **1**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **2,154**

of structures **371**

Critical facilities **0**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **999,999**

Roadway(s) impacted (length) **4**

Number of low water crossings **0**

Historical road closures **0**

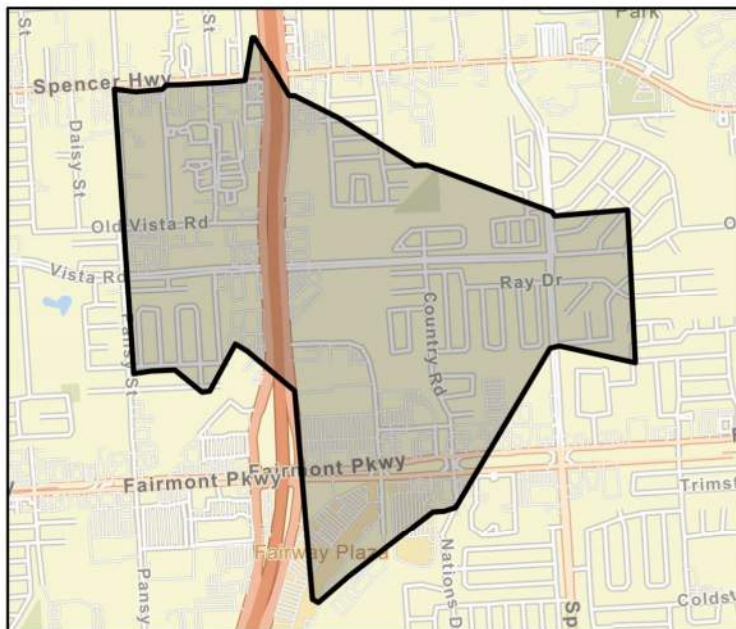
Estimated Cost and Funding Availability

Total Cost **\$30,000**

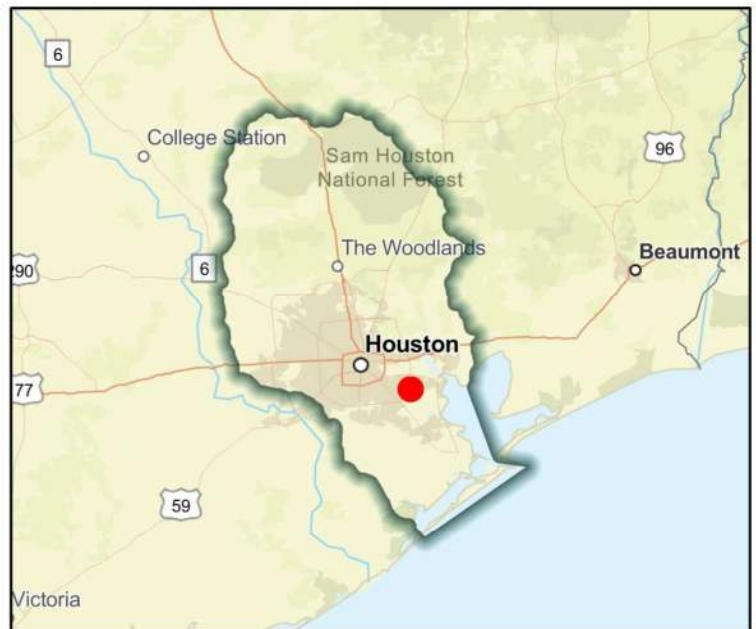
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **HCFCF**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Annalea/Whitehall Kings Park Drainage - Drainage Improvements Phase 2

ID# 061000146

Sponsor (name of entity, not person) Friendswood (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study of proposed drainage improvements to stafford oaks.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Galveston,Harris

Watershed HUC# (if known) 120402040200,120402040100

Drainage area (Square miles, est.) 21

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 5,467

of structures 1,680

Critical facilities 2

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 18

Roadway(s) impacted (length) 38

Number of low water crossings 5

Historical road closures

5

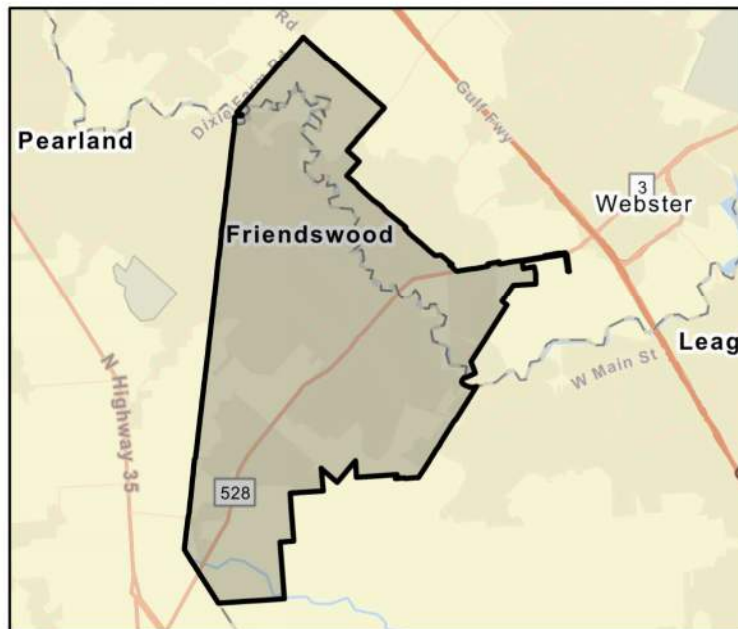
Estimated Cost and Funding Availability

Total Cost \$50,000

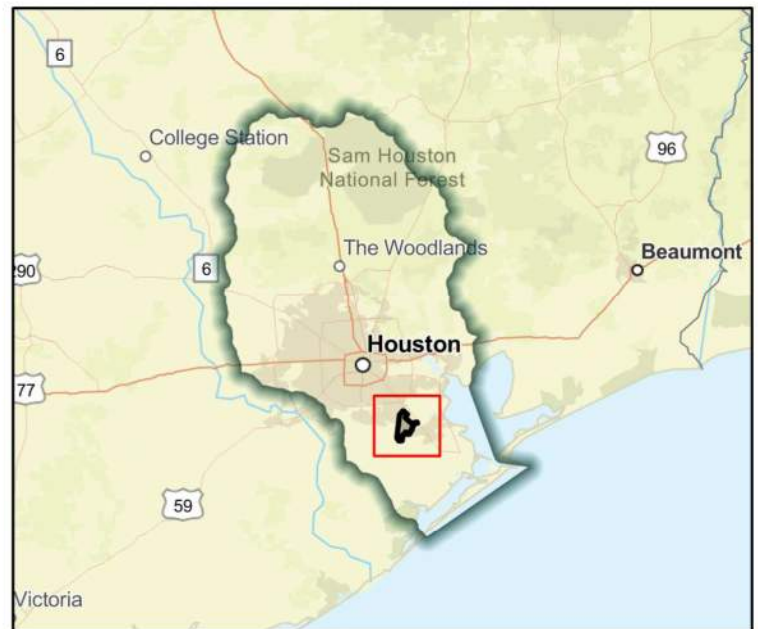
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Town of Woodloch Master Drainage Plan**

ID# **061000300**

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

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes**

Emergency Need? **Yes**

Existing/Anticipated models in near term? **No**

County **Montgomery**

Watershed HUC# (if known) **120401010402**

Drainage area (Square miles, est.) **0**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **233**

of structures **85**

Critical facilities **0**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **999,999**

Roadway(s) impacted (length) **1**

Number of low water crossings **999,999**

Historical road closures

999,999

Estimated Cost and Funding Availability

Total Cost **\$50,000**

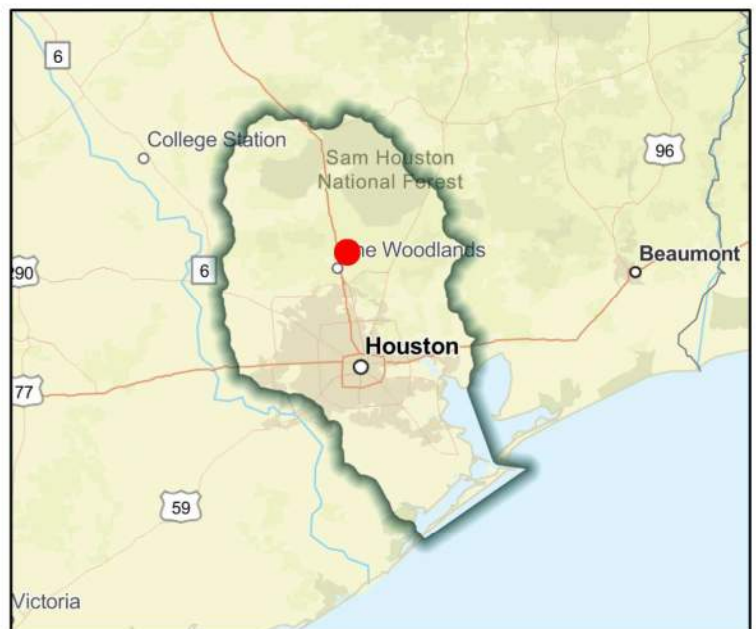
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Buffalo Bayou - W130-00-00

ID# 061000220

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Project Planning

Study description Further study of Flood Risk Reduction need identified through the HCFCD 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040305,120401040303

Drainage area (Square miles, est.) 3

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 4,290

of structures 27

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length) 1

Number of low water crossings 0

Historical road closures 0

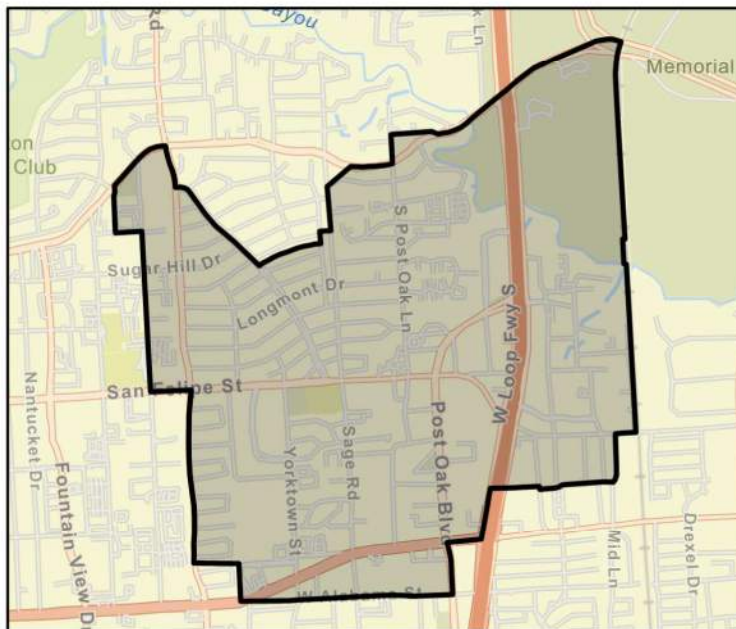
Estimated Cost and Funding Availability

Total Cost \$100,000

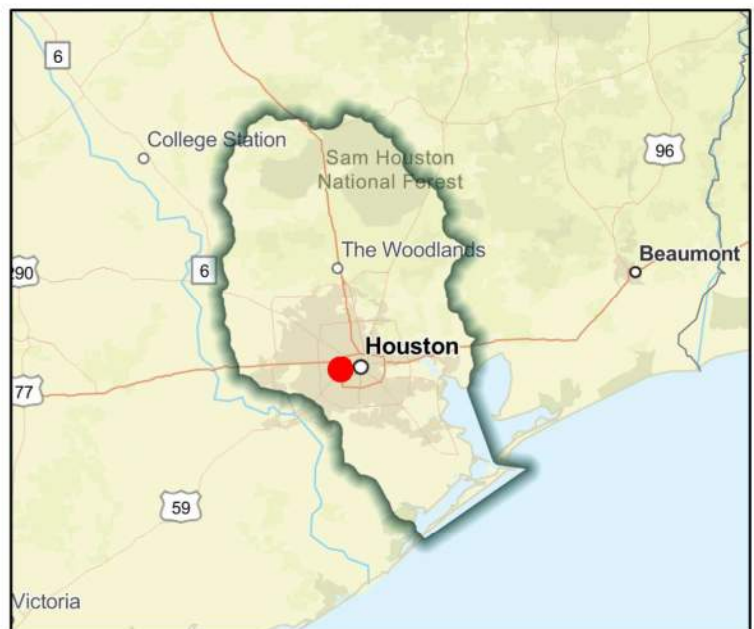
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title City of Friendswood - Comprehensive Flood Mitigation Plan

ID# 061000091

Sponsor (name of entity, not person) Friendswood (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Watershed Planning

Study description Study to update city floodplain maps and develop flood mitigation plan.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Galveston,Harris

Watershed HUC# (if known) 120402040200,120402040100

Drainage area (Square miles, est.) 21

Goal(s) 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk 5,467

of structures 1,680

Critical facilities 2

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 18

Roadway(s) impacted (length) 38

Number of low water crossings 5

Historical road closures

5

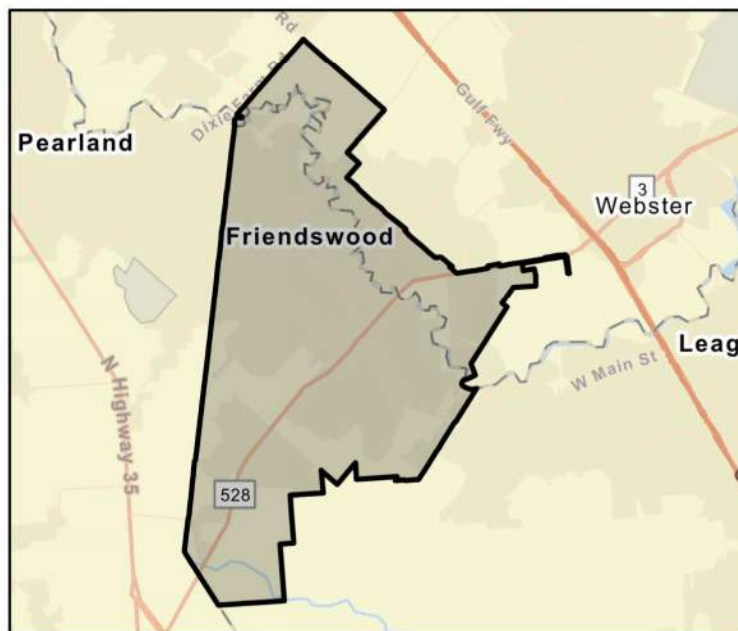
Estimated Cost and Funding Availability

Total Cost \$140,000

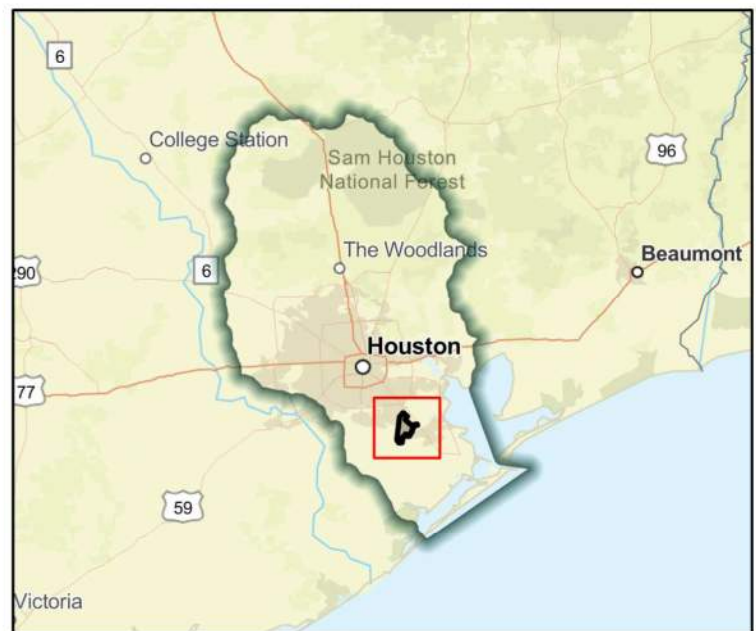
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Little Cypress Creek - L103-00-00

ID# 061000203

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study of Flood Risk Reduction need identified through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401020104,120401020106,120401020105

Drainage area (Square miles, est.) 5

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 265

of structures 116

Critical facilities 8

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 4

Roadway(s) impacted (length) 3

Number of low water crossings 0

Historical road closures 0

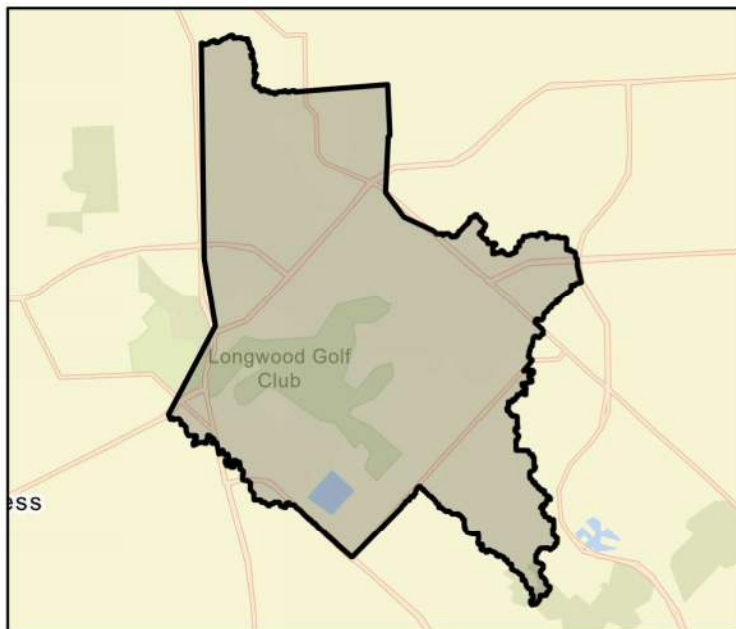
Estimated Cost and Funding Availability

Total Cost \$100,000

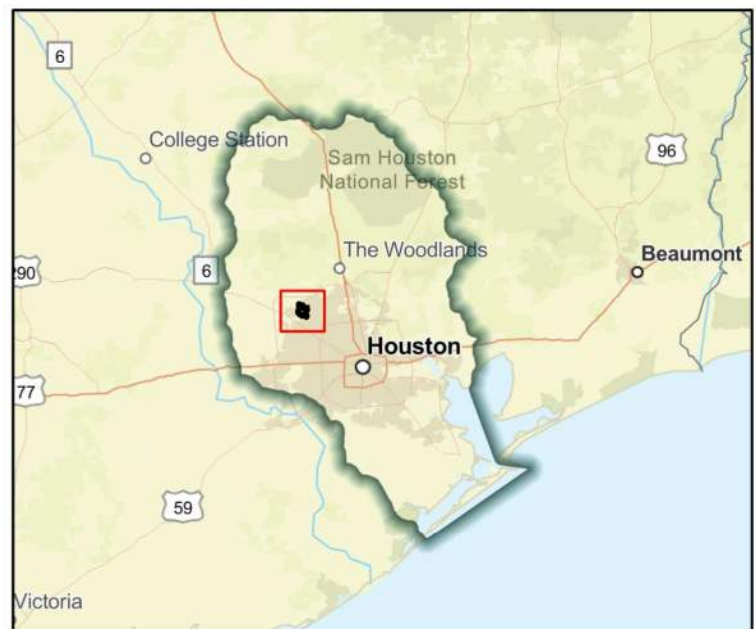
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **San Jacinto River - G103-33-04**

ID# **061000208**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of Flood Risk Reduction need identified through the HCFCD 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401010501**

Drainage area (Square miles, est.) **1**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **1,580**

of structures **248**

Critical facilities **1**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **999,999**

Roadway(s) impacted (length) **4**

Number of low water crossings **0**

Historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **\$100,000**

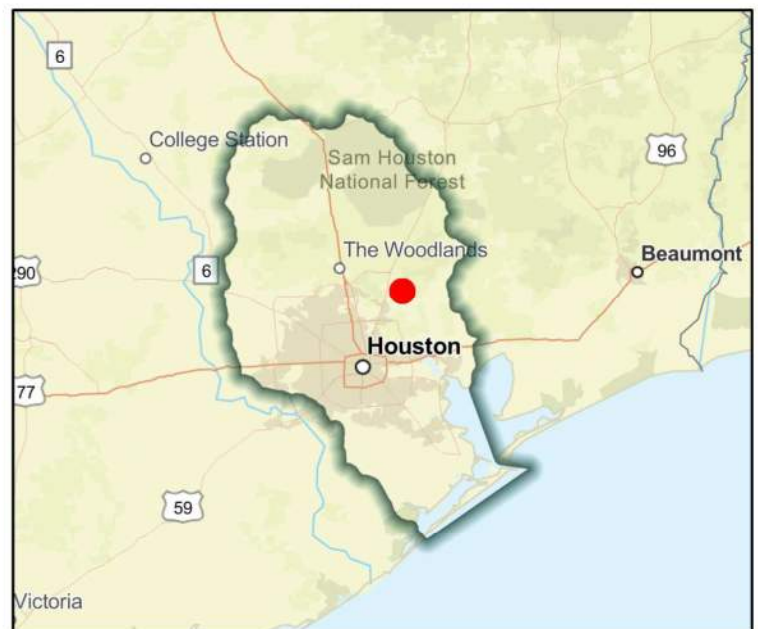
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Buffalo Bayou - W158-00-00**

ID# **061000219**

Sponsor (name of entity, not person) **Harris County Flood Control District**

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study of Flood Risk Reduction need identified through the HCFCD 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401040303**

Drainage area (Square miles, est.) **3**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **311**

of structures **72**

Critical facilities **0**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **No**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **1**

Roadway(s) impacted (length) **1**

Number of low water crossings **0**

Historical road closures **0**

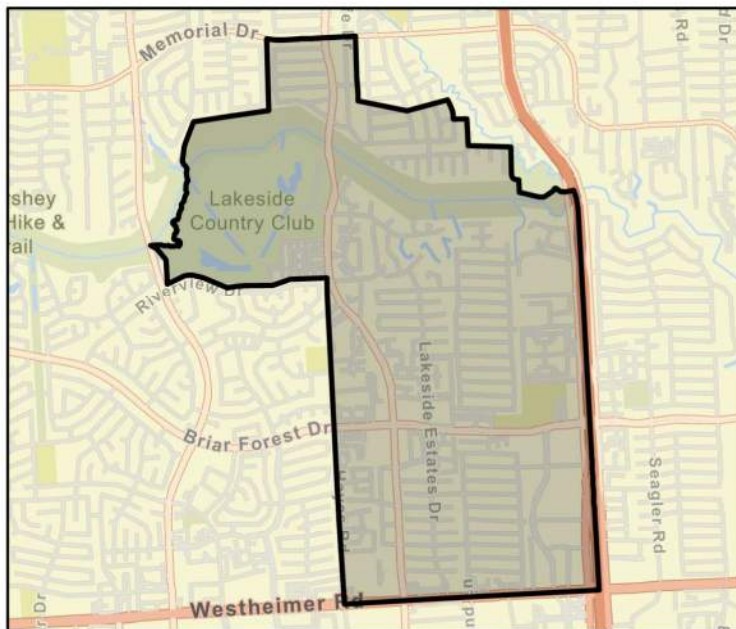
Estimated Cost and Funding Availability

Total Cost **\$100,000**

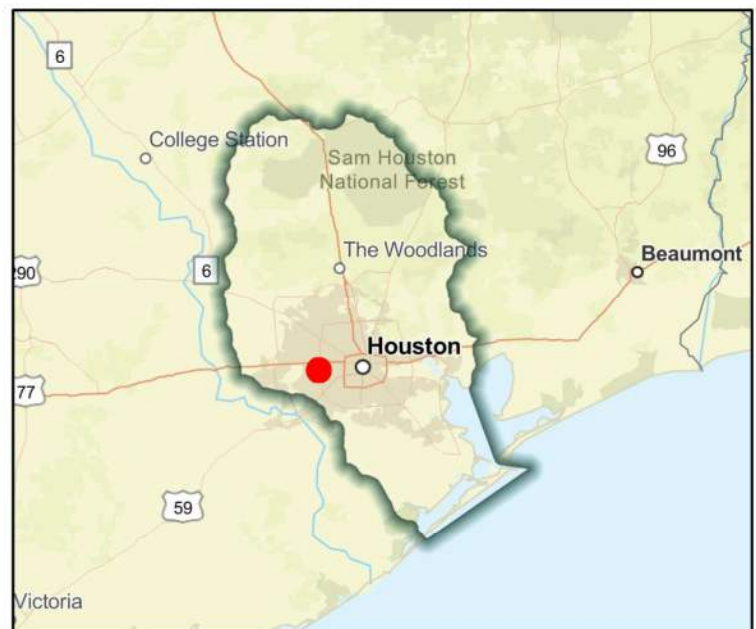
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title Buffalo Bayou - W163-00-00

ID# 061000221

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

REGION 6

Study Details

Study type Project Planning

Study description Further study of Flood Risk Reduction need identified through the HCFCD 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040303

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 226

of structures 70

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length) 1

Number of low water crossings 999,999

Historical road closures

999,999

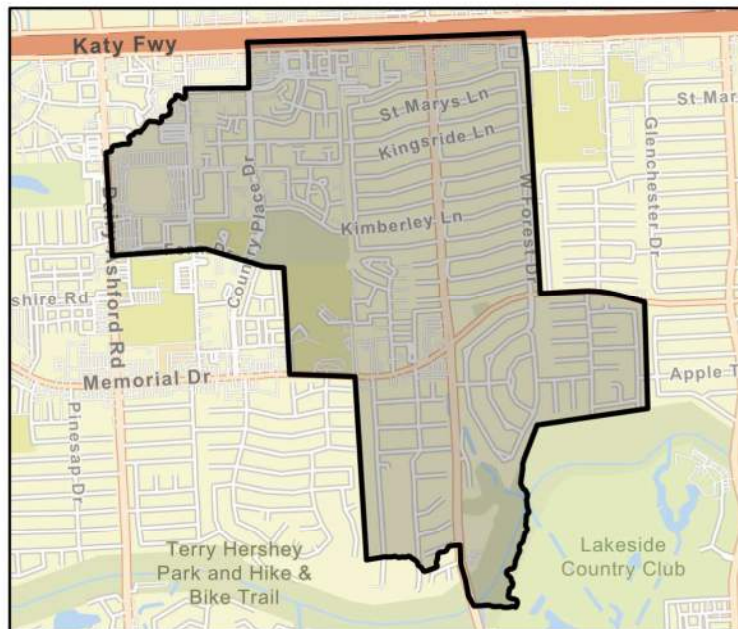
Estimated Cost and Funding Availability

Total Cost \$100,000

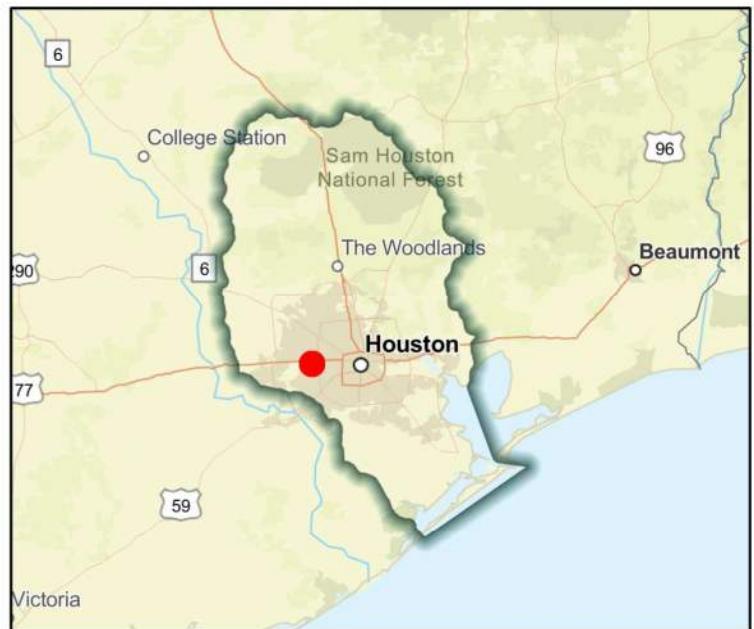
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of El Lago Master Drainage Plan

ID# 061000236

Sponsor (name of entity, not person) El Lago (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Watershed Planning

Study description Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? Yes

Emergency Need? No

Existing/Anticipated models in near term? No

County Harris

Watershed HUC# (if known) 120402040100

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 3,033

of structures 743

Critical facilities 9

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length) 9

Number of low water crossings 999,999

Historical road closures

999,999

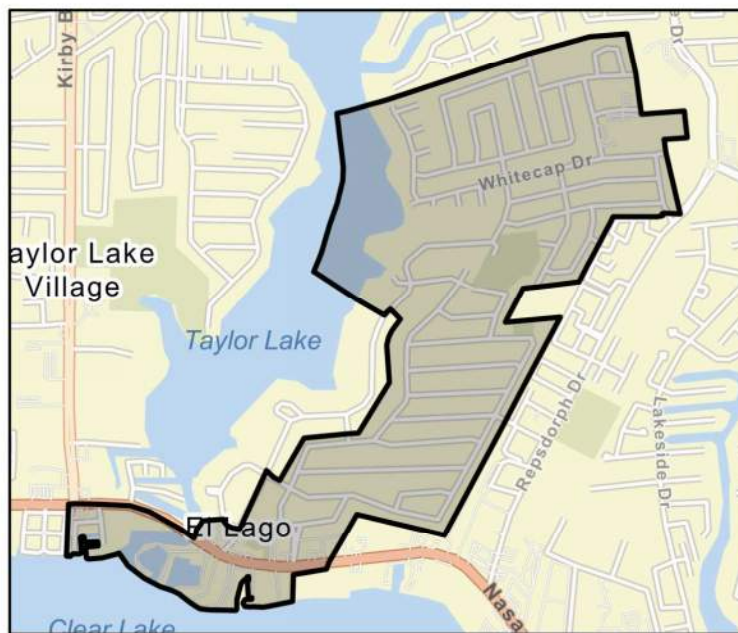
Estimated Cost and Funding Availability

Total Cost \$140,000

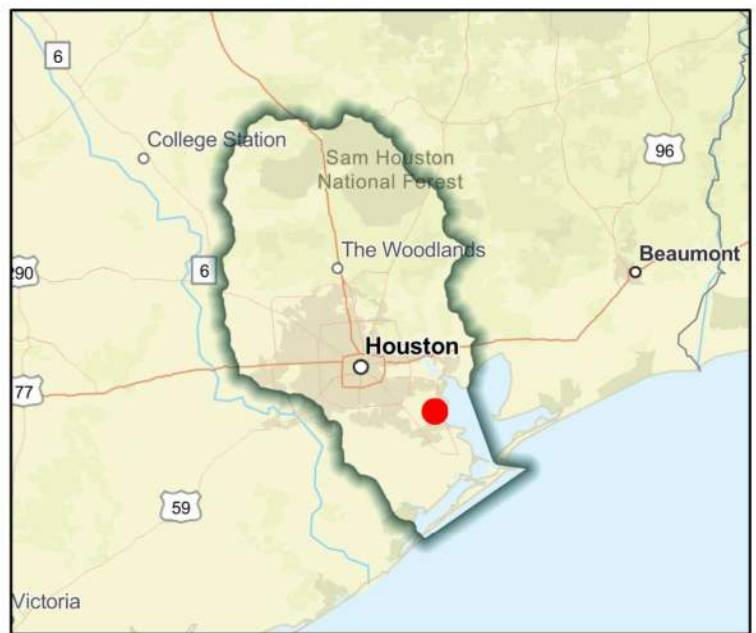
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Manvel Gates Loop Subdivision Drainage Improvement

ID# 061000059

Sponsor (name of entity, not person) Manvel (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study proposed Gates Loop subdivision drainage improvement.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Brazoria

Watershed HUC# (if known) 120402040400

Drainage area (Square miles, est.) 0

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 999,999

of structures 999,999

Critical facilities 999,999

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 999,999

Number of low water crossings 999,999

Historical road closures

999,999

Estimated Cost and Funding Availability

Total Cost \$100,000

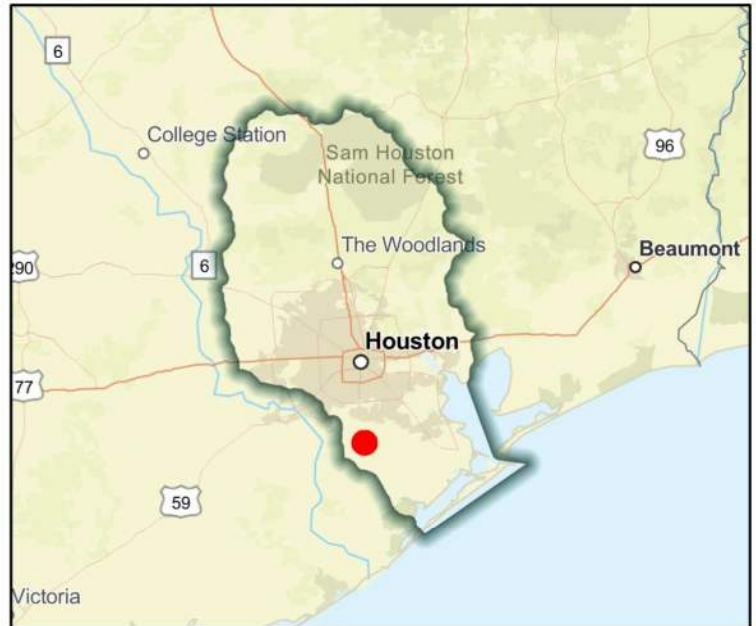
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title City of Hedwig Village Master Drainage Plan

ID# 061000241

Sponsor (name of entity, not person) Hedwig Village (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Watershed Planning

Study description Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? Yes

Emergency Need? Yes

Existing/Anticipated models in near term? No

County Harris

Watershed HUC# (if known) 120401040303

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 0

of structures 0

Critical facilities 0

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 999,999

Number of low water crossings 999,999

Historical road closures 999,999

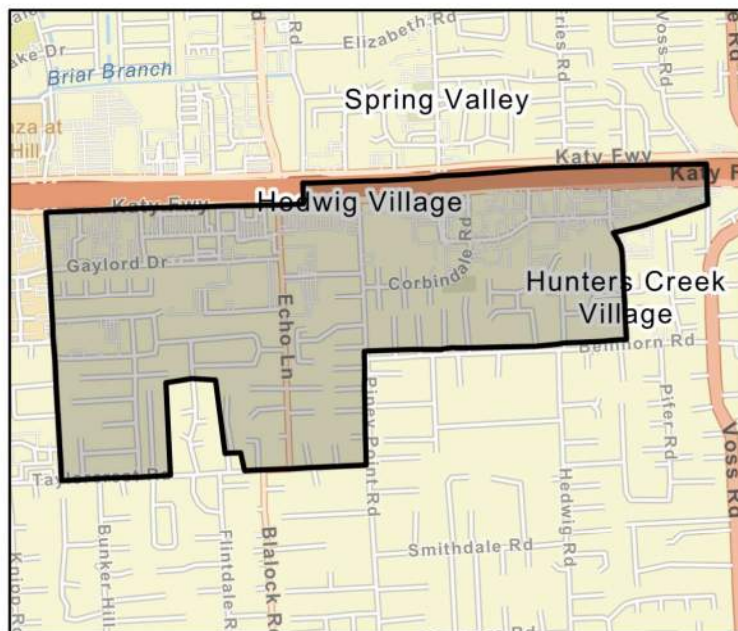
Estimated Cost and Funding Availability

Total Cost \$150,000

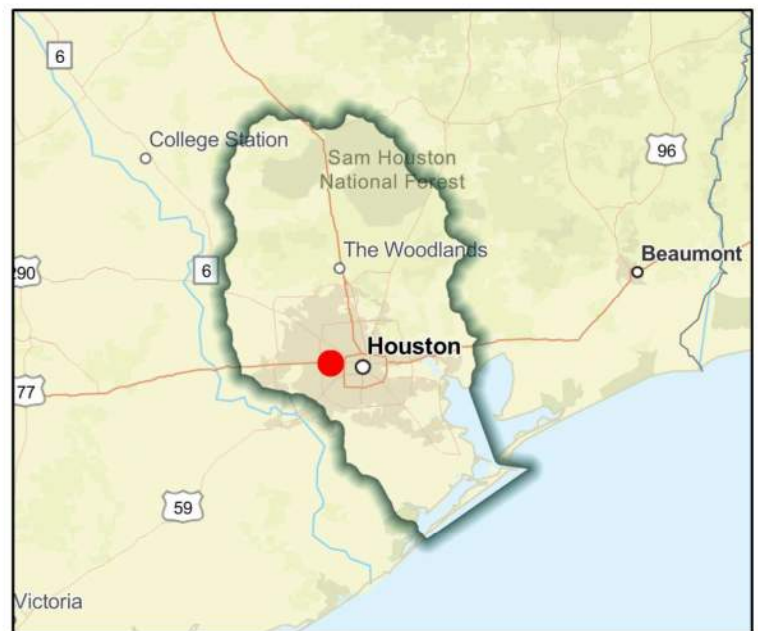
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **City of Hilshire Village Master Drainage Plan**

ID# **061000243**

Sponsor (name of entity, not person) **Hilshire Village (Municipality)**

RFPG recommend? **Yes**

Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Watershed Planning**

Study description **Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.**

New Hydrologic or Hydraulic model? **Yes**

Emergency Need? **Yes**

Existing/Anticipated models in near term? **No**

County **Harris**

Watershed HUC# (if known) **120401040303**

Drainage area (Square miles, est.) **0**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **3**

of structures **1**

Critical facilities **0**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **999,999**

Roadway(s) impacted (length) **0**

Number of low water crossings **0**

Historical road closures **0**

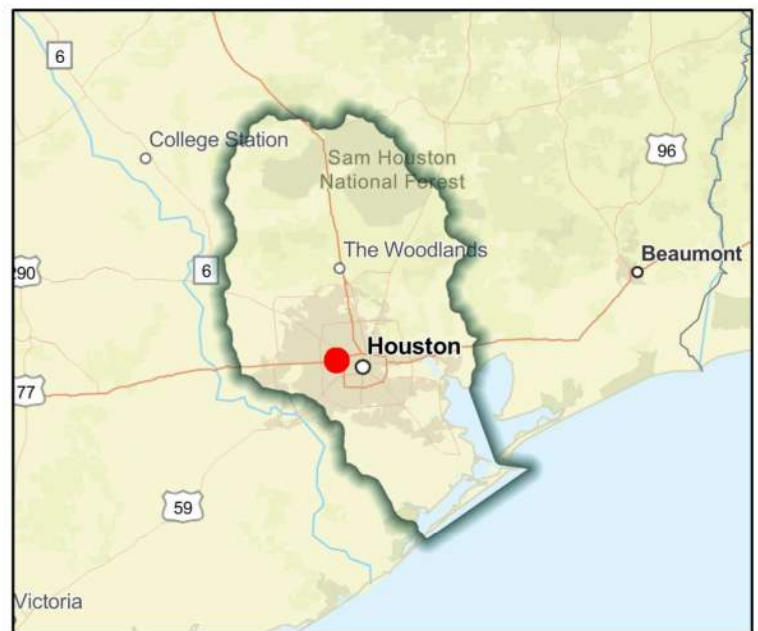
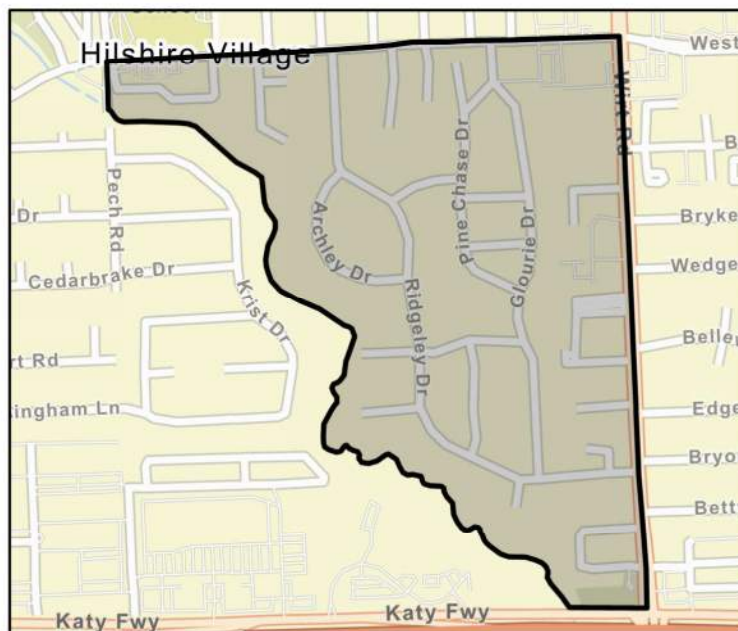
Estimated Cost and Funding Availability

Total Cost **\$110,000**

Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



Flood Management Evaluation (FME)

Title Little Cypress Creek - L109-00-00

ID# 061000201

Sponsor (name of entity, not person) Harris County Flood Control District

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

REGION 6

Study Details

Study type Project Planning

Study description Further study of Flood Risk Reduction need identified through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401020104,120401020105,120401020210

Drainage area (Square miles, est.) 6

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 520

of structures 178

Critical facilities 0

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 13

Roadway(s) impacted (length) 2

Number of low water crossings 0

Historical road closures 0

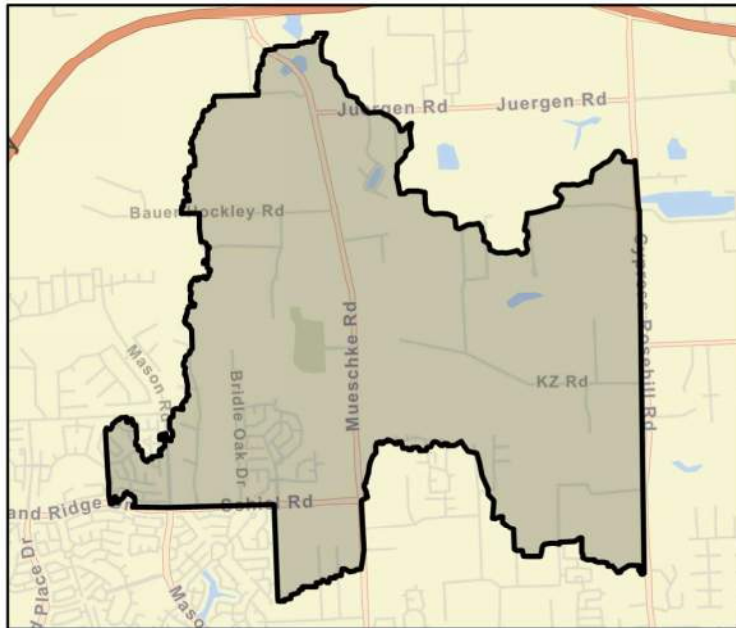
Estimated Cost and Funding Availability

Total Cost \$100,000

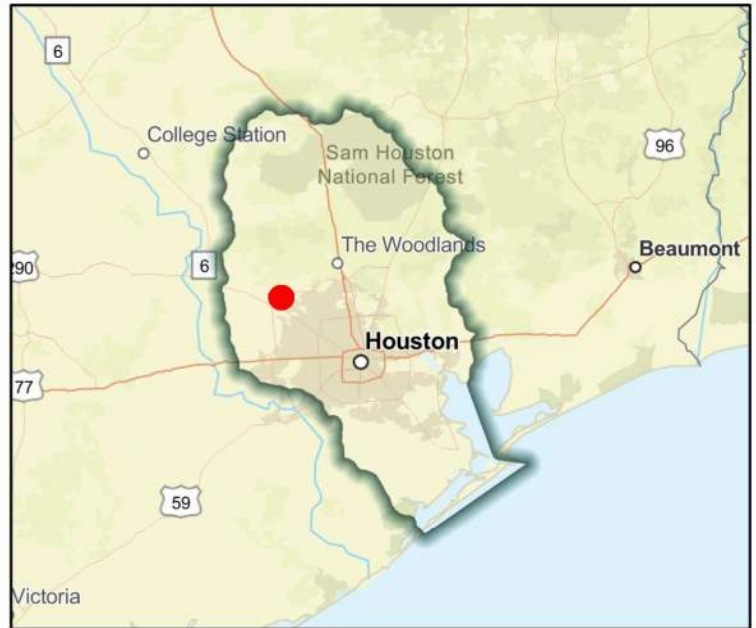
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Durant Street Storm Sewer and Pavement Improvements - Phase 1

ID# 061000001

Sponsor (name of entity, not person) Alvin (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Further study of Durant Street Phase 1 to reduce flood risk with upgrades to storm sewer system, concrete curb, gutter, pavement, and sidewalk.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Brazoria

Watershed HUC# (if known) 120402040400

Drainage area (Square miles, est.) 0

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 999,999

of structures 999,999

Critical facilities 999,999

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 999,999

Number of low water crossings 999,999

Historical road closures

999,999

Estimated Cost and Funding Availability

Total Cost \$120,000

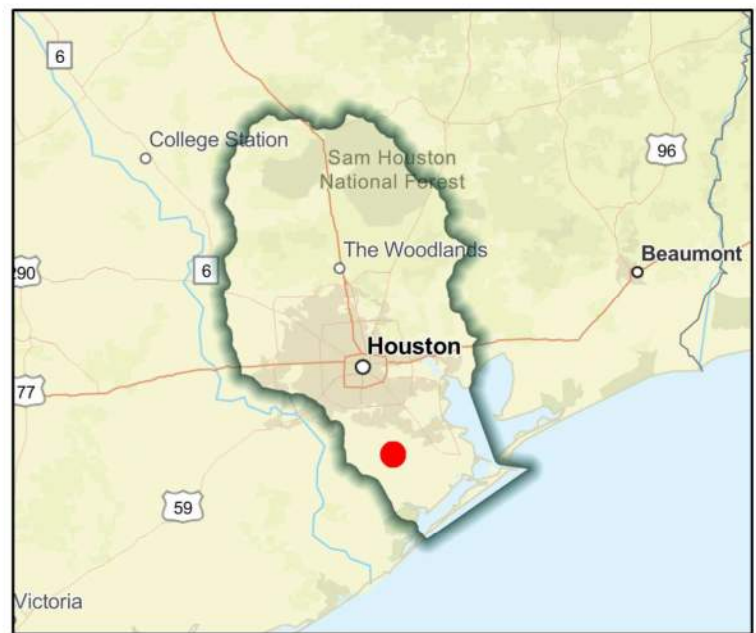
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Durant Street Storm Sewer and Pavement Improvements - Phase 2**

ID# **061000002**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Further study of Durant Street Phase 2 to reduce flood risk with upgrades to storm sewer system, concrete curb, gutter, pavement, and sidewalk.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **No**

County **Brazoria**

Watershed HUC# (if known) **120402040400**

Drainage area (Square miles, est.) **0**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **999,999**

of structures **999,999**

Critical facilities **999,999**

Flood risk type: Riverine? **No**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **999,999**

Roadway(s) impacted (length) **999,999**

Number of low water crossings **999,999**

Historical road closures

999,999

Estimated Cost and Funding Availability

Total Cost **\$110,000**

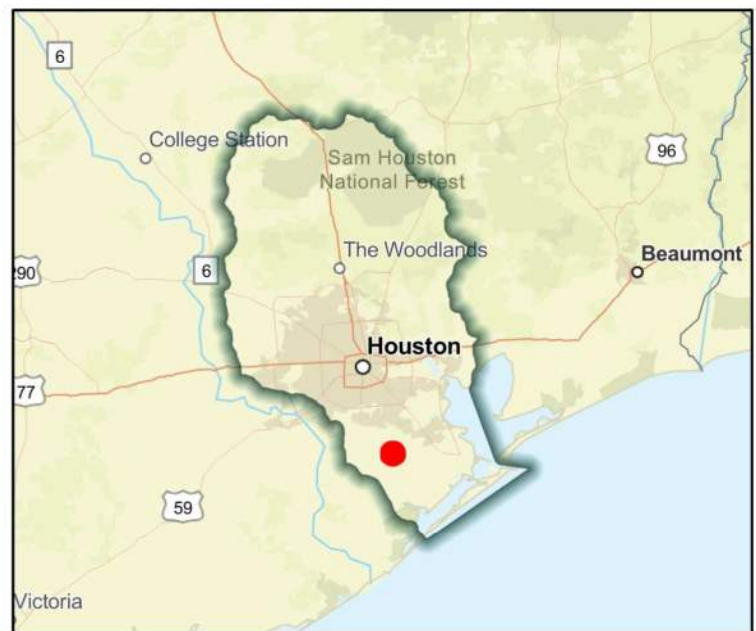
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **999999**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)

Title City of Meadows Place Master Drainage Plan

ID# 061000261

Sponsor (name of entity, not person) Meadows Place (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Study Details

Study type Watershed Planning

Study description Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? Yes

Emergency Need? Yes

Existing/Anticipated models in near term? No

County Fort Bend

Watershed HUC# (if known) 120401040401

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 0

of structures 0

Critical facilities 0

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 0

Number of low water crossings 999,999

Historical road closures

999,999

Estimated Cost and Funding Availability

Total Cost \$150,000

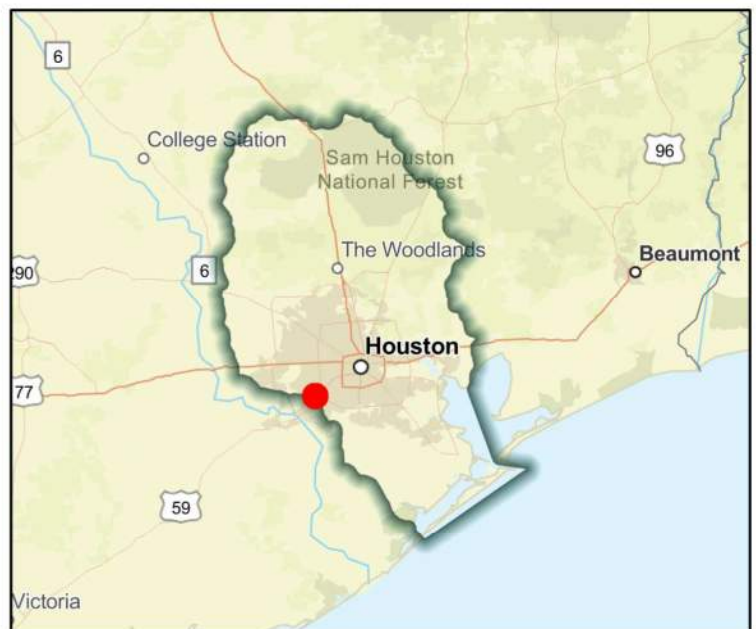
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Spanish Cove Subdivision Drainage Assessment**

ID# **061000029**

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

RFPG recommend? **Yes**

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type **Project Planning**

Study description **Additional analysis needed to confirm no negative effects. It is expected the larger channel can safely convey the increase in flows, but this must be demonstrated during the project design phase.**

New Hydrologic or Hydraulic model? **No**

Emergency Need? **No**

Existing/Anticipated models in near term? **Yes**

County **Harris**

Watershed HUC# (if known) **120401010502,120401040704**

Drainage area (Square miles, est.) **1**

Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

Population at risk **999,999**

of structures **999,999**

Critical facilities **999,999**

Flood risk type: Riverine? **Yes**

Coastal? **No**

Local? **Yes**

Playa? **No**

Other? **No**

Farm/Ranch land impacted (acres) **999,999**

Roadway(s) impacted (length) **999,999**

Number of low water crossings **999,999**

Historical road closures **999,999**

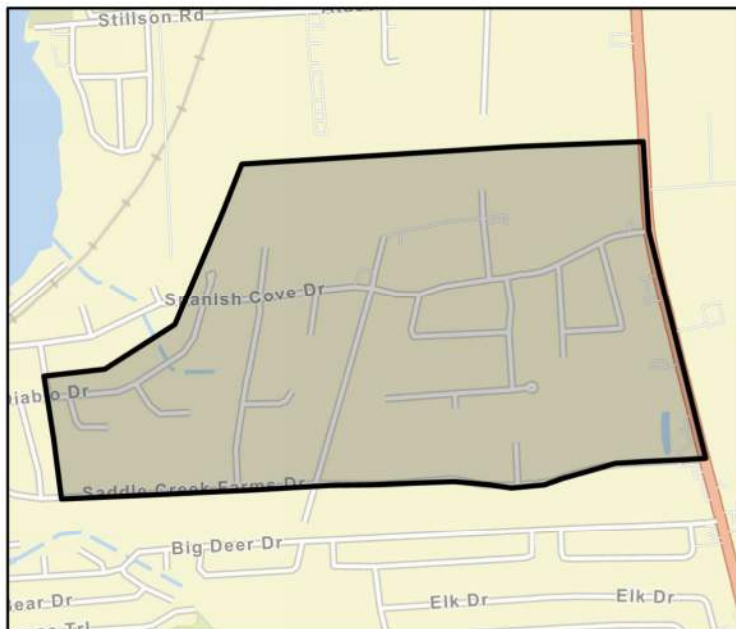
Estimated Cost and Funding Availability

Total Cost **\$150,000**

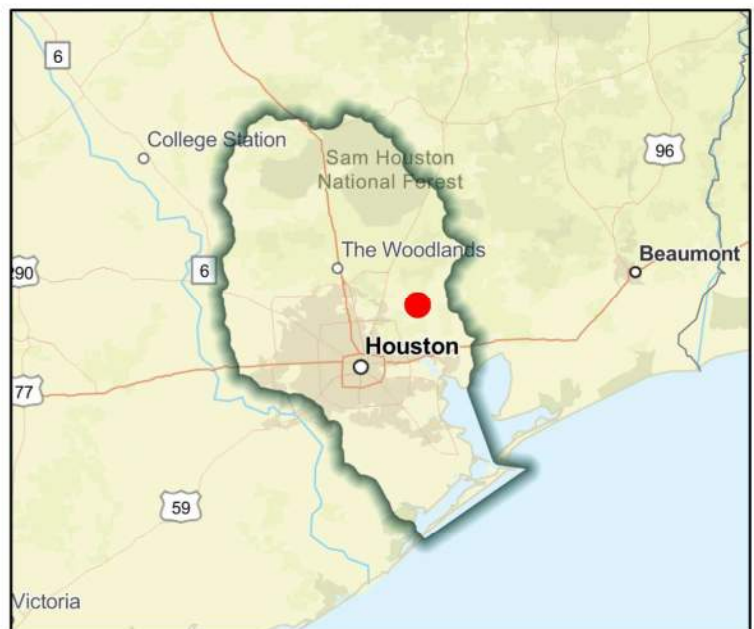
Amount of Available Funding **999999**

Federal funding availability **Yes**

Funding source **Unknown**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Shoreacres Master Drainage Plan

ID# 061000282

Sponsor (name of entity, not person) Shoreacres (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Watershed Planning

Study description Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? Yes

Emergency Need? No

Existing/Anticipated models in near term? No

County Chambers,Harris

Watershed HUC# (if known) 120402040100

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,456

of structures 801

Critical facilities 3

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length) 17

Number of low water crossings 1

Historical road closures

1

Estimated Cost and Funding Availability

Total Cost \$150,000

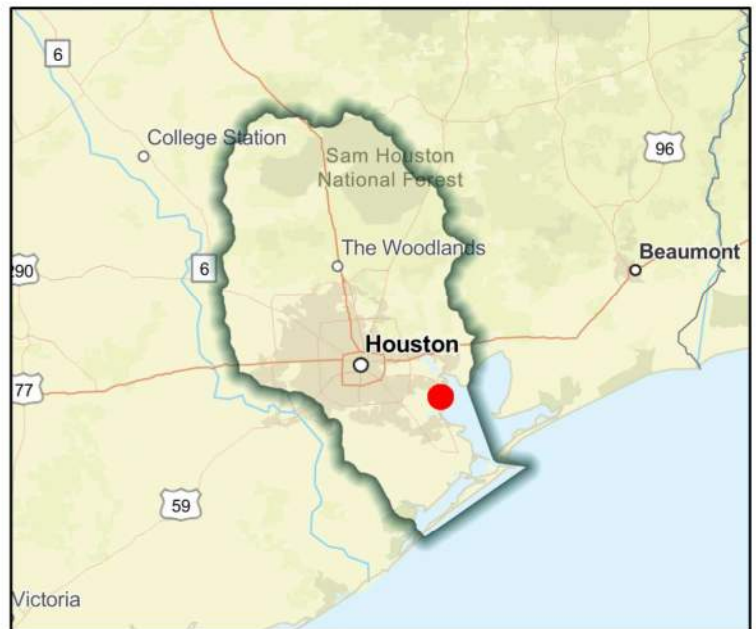
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Preliminary Drainage & Infrastructure Improvements Happy Hide A Way Subdivison

ID# 061000025

Sponsor (name of entity, not person) Harris (County)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Additional analysis in the Jackson Bayou watershed, specifically along R102-00-00, is needed to determine the necessary improvements and provide a no impact solution.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? Yes

County Harris

Watershed HUC# (if known) 120401040704

Drainage area (Square miles, est.) 0

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 999,999

of structures 999,999

Critical facilities 999,999

Flood risk type: Riverine? Yes

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 999,999

Number of low water crossings 999,999

Historical road closures

999,999

Estimated Cost and Funding Availability

Total Cost \$110,000

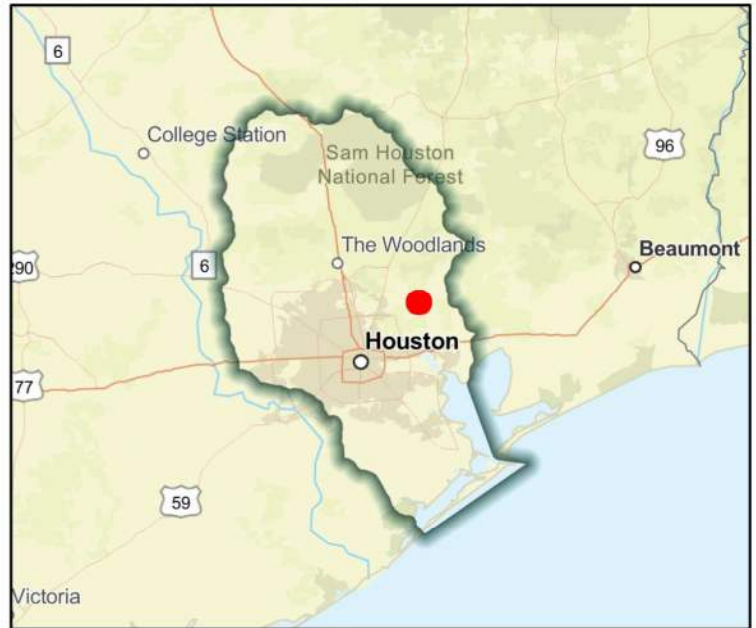
Amount of Available Funding 999999

Federal funding availability Yes

Funding source Unknown



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Gum Gully Rd, W Stroker Rd, Wigwam Ln, and Related Infrastructure Drainage Improvements**

ID# **061000028**

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

RFPG recommend? **Yes** Reason for Recommendation **Alignment with RFPG goals and TWDB guidance principles.**

Study Details

Study type **Project Planning**

Study description **Further study as report recommendation (2019) indicates that regional drainage improvements to the streams must be studied and implemented before Harris County can obtain a benefit from roadway drainage improvements.**

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

County **Harris** Watershed HUC# (if known) **120401040704**

Drainage area (Square miles, est.) **1** Goal(s) **06000001,06000011,06000012,06000015**

100-Year Flood Risk Summary

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

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

Farm/Ranch land impacted (acres) **999,999** Roadway(s) impacted (length) **0**

Number of low water crossings **999,999** Historical road closures **999,999**

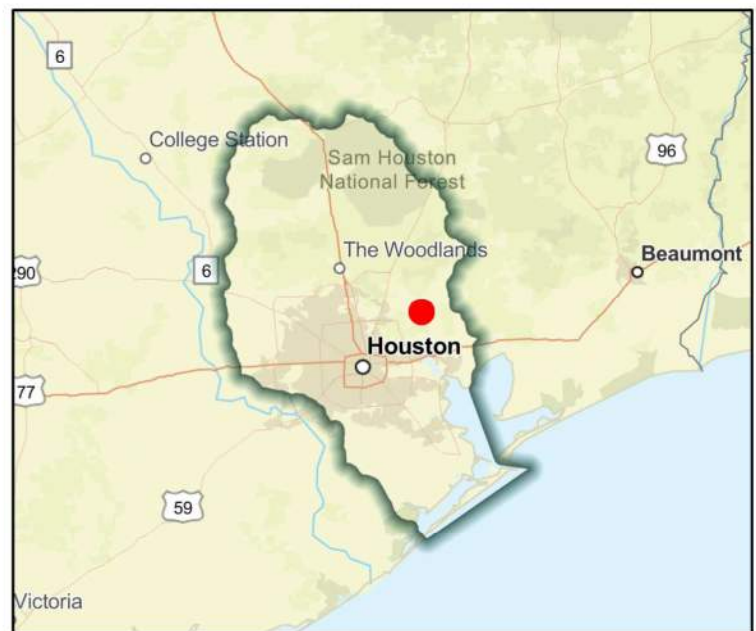
Estimated Cost and Funding Availability

Total Cost **\$130,000** Amount of Available Funding **999999** Federal funding availability **Yes**

Funding source **Harris County Bond Program 2018**



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Bayou Vista Canal Dredging Study

ID# 061000158

Sponsor (name of entity, not person) Bayou Vista (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Plan for Canal Dredging to reduce sediment deposited during storm events. Study to develop and implement canal dredging program.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Galveston

Watershed HUC# (if known) 120402040200

Drainage area (Square miles, est.) 0

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 1,502

of structures 1,122

Critical facilities 3

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 8

Number of low water crossings 999,999

Historical road closures

999,999

Estimated Cost and Funding Availability

Total Cost \$130,000

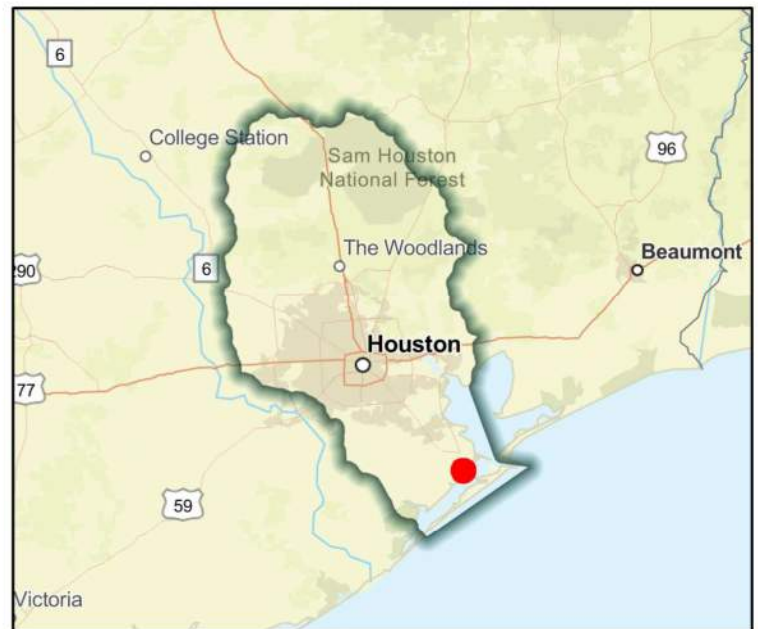
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Clear Lake Shores Master Drainage Plan

ID# 061000228

Sponsor (name of entity, not person) Clear Lake Shores (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Watershed Planning

Study description Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall

New Hydrologic or Hydraulic model? Yes

Emergency Need? Yes

Existing/Anticipated models in near term? No

County Galveston,Harris

Watershed HUC# (if known) 120402040100

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 3,407

of structures 633

Critical facilities 4

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 9

Number of low water crossings 0

Historical road closures

0

Estimated Cost and Funding Availability

Total Cost \$140,000

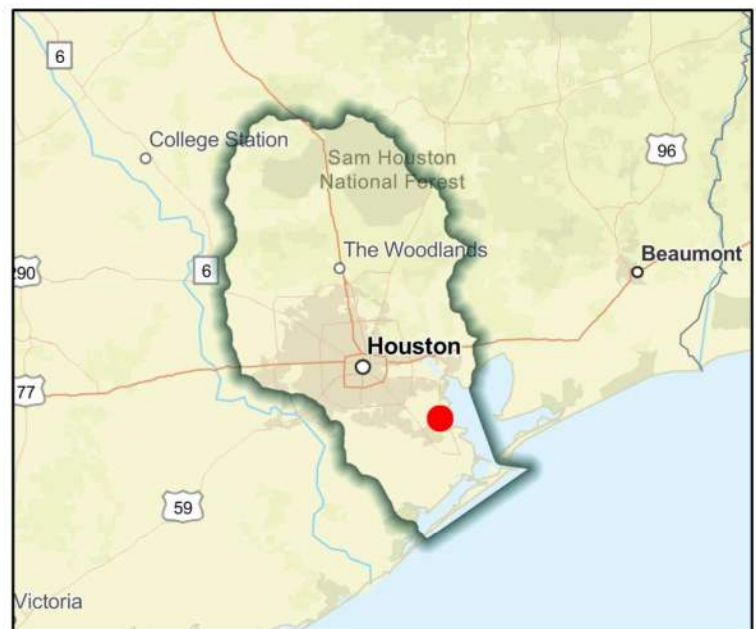
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Hillcrest Master Drainage Plan

ID# 061000242

Sponsor (name of entity, not person) Hillcrest Village (Municipality)

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Watershed Planning

Study description Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? Yes

Emergency Need? Yes

Existing/Anticipated models in near term? No

County Brazoria

Watershed HUC# (if known) 120402040400

Drainage area (Square miles, est.) 0

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 333

of structures 128

Critical facilities 1

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length) 2

Number of low water crossings 0

Historical road closures

0

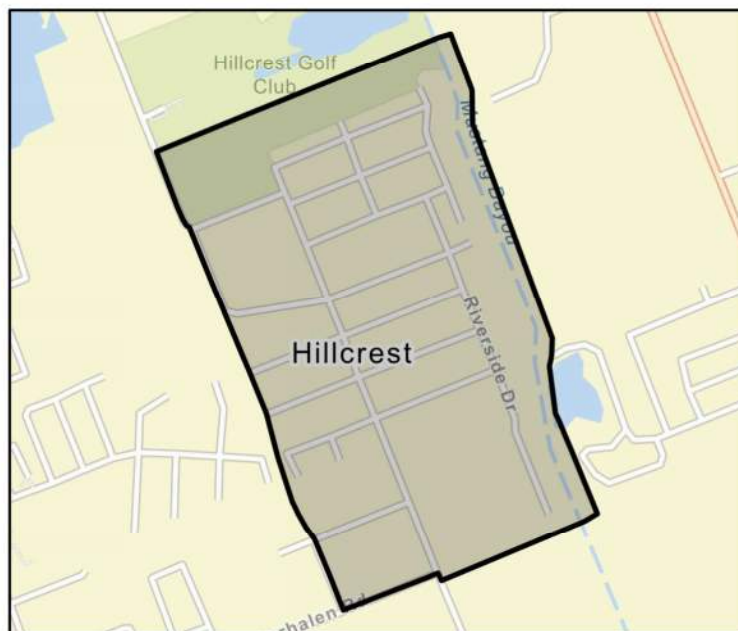
Estimated Cost and Funding Availability

Total Cost \$130,000

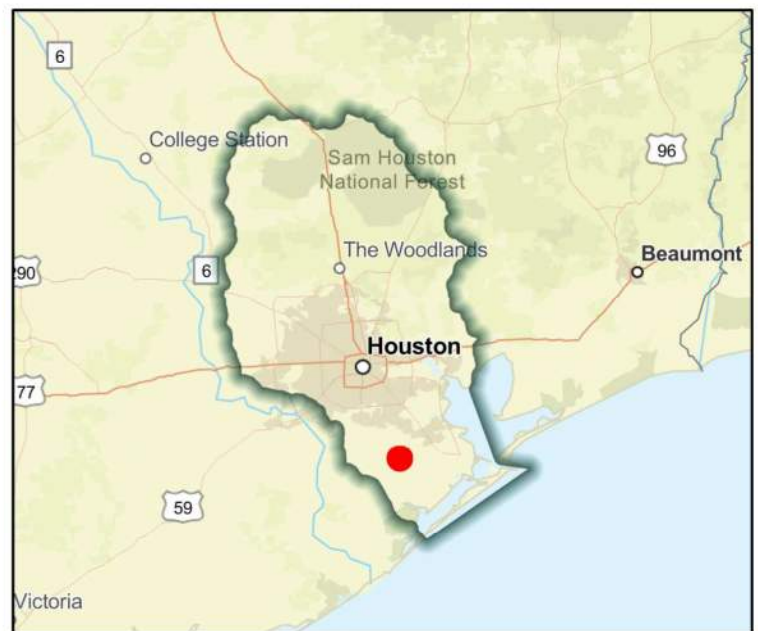
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Jamaica Beach Master Drainage Plan

ID# 061000251

Sponsor (name of entity, not person) Jamaica Beach (Municipality)

RFPG recommend? Yes

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Watershed Planning

Study description Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? Yes

Emergency Need? No

Existing/Anticipated models in near term? No

County Galveston

Watershed HUC# (if known) 120402040300

Drainage area (Square miles, est.) 1

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 395

of structures 1,276

Critical facilities 4

Flood risk type: Riverine? Yes

Coastal? Yes

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 3

Roadway(s) impacted (length) 14

Number of low water crossings 999,999

Historical road closures 999,999

Estimated Cost and Funding Availability

Total Cost \$140,000

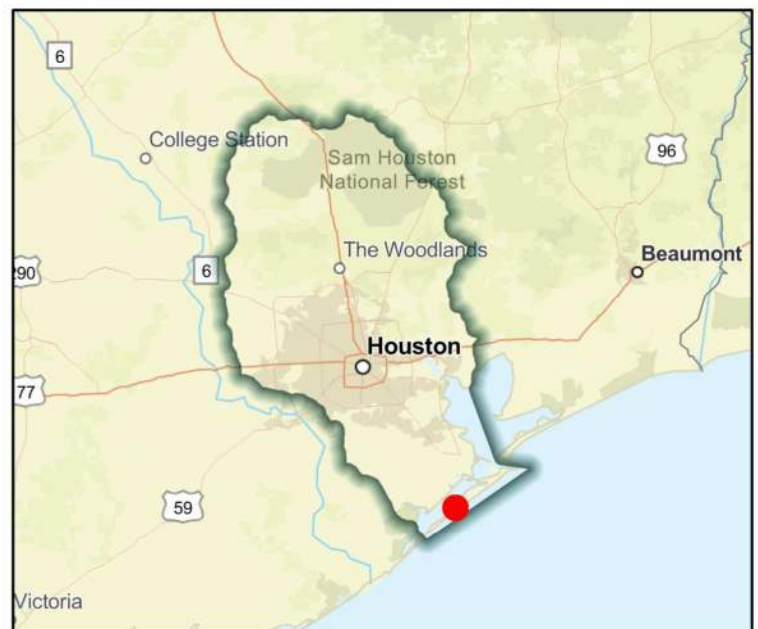
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Bayou Vista Master Drainage Plan

ID# 061000084

Sponsor (name of entity, not person) Bayou Vista (Municipality)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Watershed Planning

Study description Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? Yes

Emergency Need? Yes

Existing/Anticipated models in near term? No

County Galveston

Watershed HUC# (if known) 120402040200

Drainage area (Square miles, est.) 0

Goal(s) 06000001,06000010,06000015

100-Year Flood Risk Summary

Population at risk 1,502

of structures 1,122

Critical facilities 3

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 8

Number of low water crossings 999,999

Historical road closures

999,999

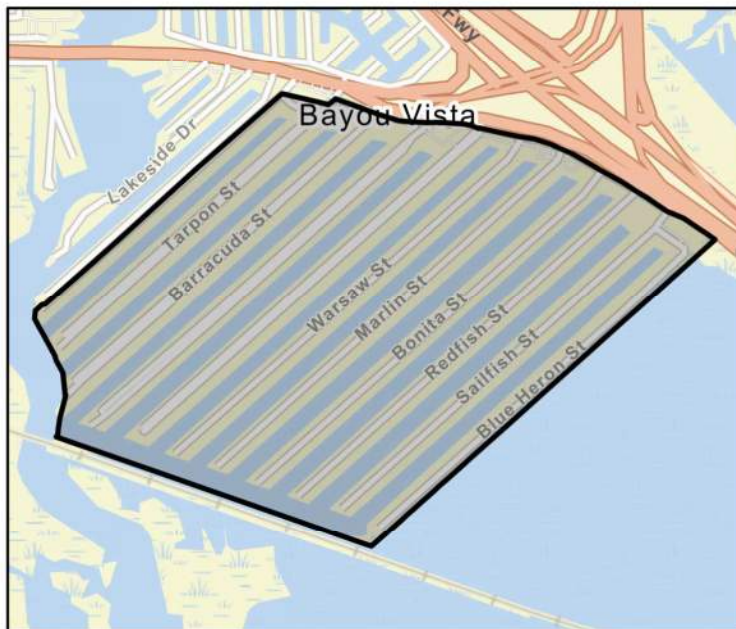
Estimated Cost and Funding Availability

Total Cost \$130,000

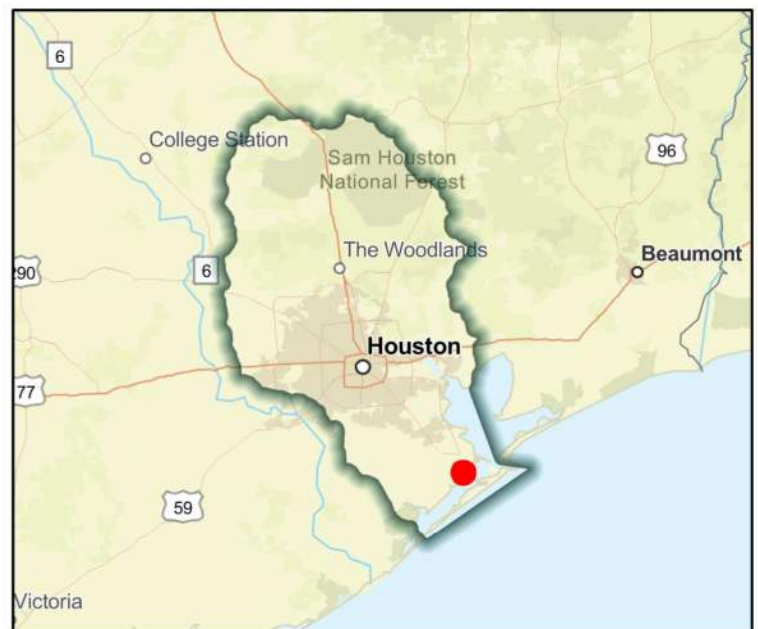
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title Southwood Forest Subdivision and Forgotten Forest Subdivision Evaluation

ID# 061000141

Sponsor (name of entity, not person) Walker (County)

RFPG recommend? Yes

Reason for Recommendation

Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Project Planning

Study description Study to develop a community-wide drainage system in Southwood Forest Subdivision and Forgotten Forest Subdivision.

New Hydrologic or Hydraulic model? No

Emergency Need? No

Existing/Anticipated models in near term? No

County Walker

Watershed HUC# (if known) 120401010202

Drainage area (Square miles, est.) 0

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 5

of structures 13

Critical facilities 0

Flood risk type: Riverine? No

Coastal? No

Local? Yes

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 999,999

Number of low water crossings 999,999

Historical road closures 999,999

Estimated Cost and Funding Availability

Total Cost \$110,000

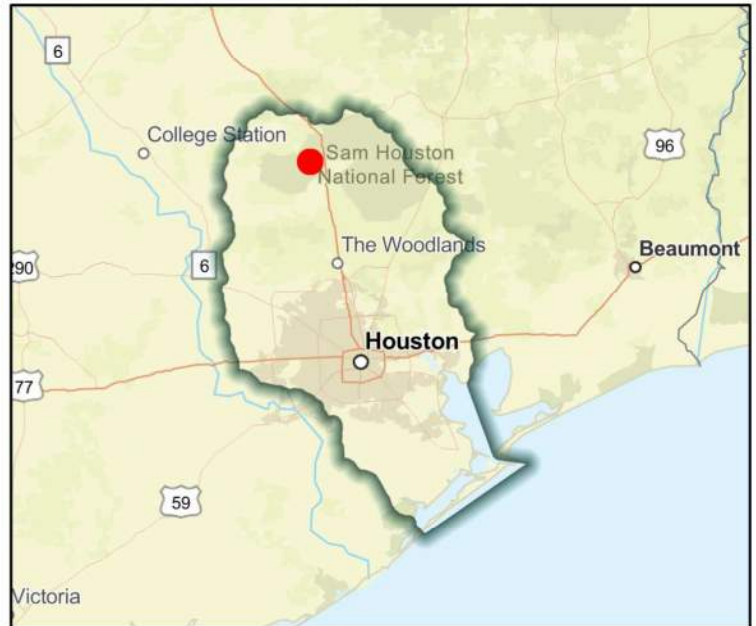
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Flood Management Evaluation (FME)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title City of Southside Place Master Drainage Plan

ID# 061000284

Sponsor (name of entity, not person) Southside Place (Municipality)

RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Study Details

Study type Watershed Planning

Study description Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.

New Hydrologic or Hydraulic model? Yes

Emergency Need? No

Existing/Anticipated models in near term? No

County Harris

Watershed HUC# (if known) 120401040402

Drainage area (Square miles, est.) 0

Goal(s) 06000001,06000011,06000012,06000015

100-Year Flood Risk Summary

Population at risk 2,317

of structures 500

Critical facilities 5

Flood risk type: Riverine? Yes

Coastal? No

Local? No

Playa? No

Other? No

Farm/Ranch land impacted (acres) 999,999

Roadway(s) impacted (length) 4

Number of low water crossings 0

Historical road closures 0

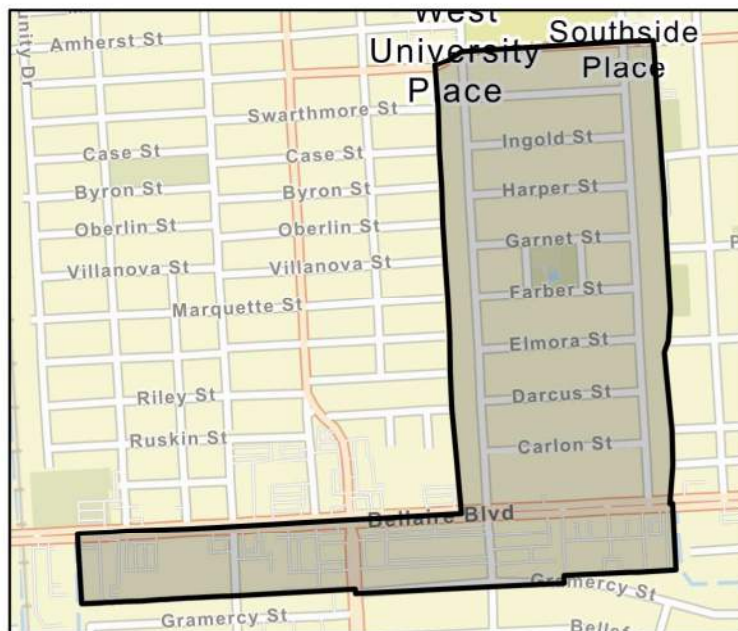
Estimated Cost and Funding Availability

Total Cost \$110,000

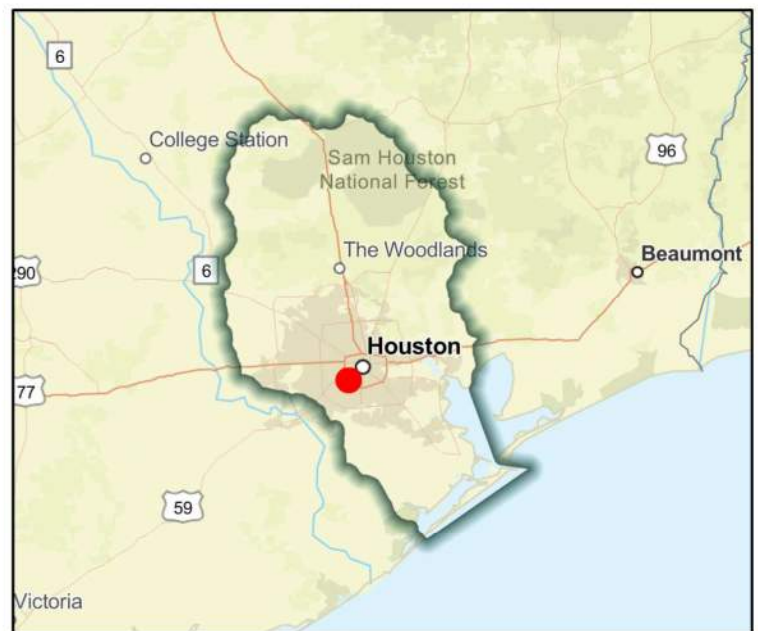
Amount of Available Funding 999999

Federal funding availability Yes

Funding source 999999



FME Area



Regional view of FME area

Appendix 07

Revised DRAFT Prioritization

List of FMEs

Included as an Excel File

(Appendix07-RevisedDRAFTPrioritizationFMEList.xlsx)