Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: MLK Blvd to Mexico Street | ID#: 101000062

Sponsor (name of entity): Edna (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Edna | County: Jackson

Watershed name(s): Lavaca

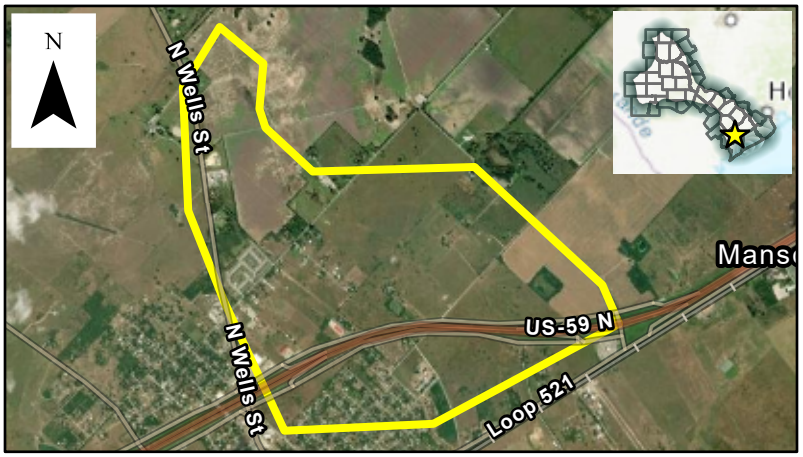
Tributary(ies): Post Oak Branch

HUC#: 12100101,12100102 | Stream miles (est.): 2.00

Drainage area: square miles, est: 1.62 | or acreage, est.: 1,037

Social vulnerability index: 0.51
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Roadway/Crossing Improvements & Storm Drainage System



Flood Risk Description

The existing crossing is undersized and overtops. The existing crossing/bridge class structure is a multi-box (2) culvert-bridge. The proposed improvements include upgrades to the subject crossing. The existing road is a 2-lane road with an average daily traffic count of 152.

Population at risk: 0 | Structures at risk: 0 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 5.34

Scope of Study

Conduct a study to evaluate upsizing the existing culvert-bridge. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Stormwater Diversion Project | ID#: 101000063

Sponsor (name of entity): Edna (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Edna | County: Jackson

Watershed name(s): Post Oak Branch - Dry Creek

Tributary(ies): Dry Creek

HUC#: 12100101,12100102 | Stream miles (est.): TBD

Drainage area: square miles, est: 4.06 | or acreage, est.: 2,601

Social vulnerability index: 0.51

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Drainage System Improvements

Flood Risk Description

The Sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street flooding, property flooding, and potential structural flooding. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles. Sponsor has indicated targeted buyouts area also a potential outcome.

Population at risk: 2,503 | Structures at risk: 1,223 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 137 | Roadway(s) impacted (miles): 26.26

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $200,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Land Purchase for New EMS/Fire/Police Building | ID#: 101000064

Sponsor (name of entity): Ganado (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Ganado | County: Jackson

Watershed name(s): Devers Creek - Mustang Creek

Tributary(ies): Devers Creek

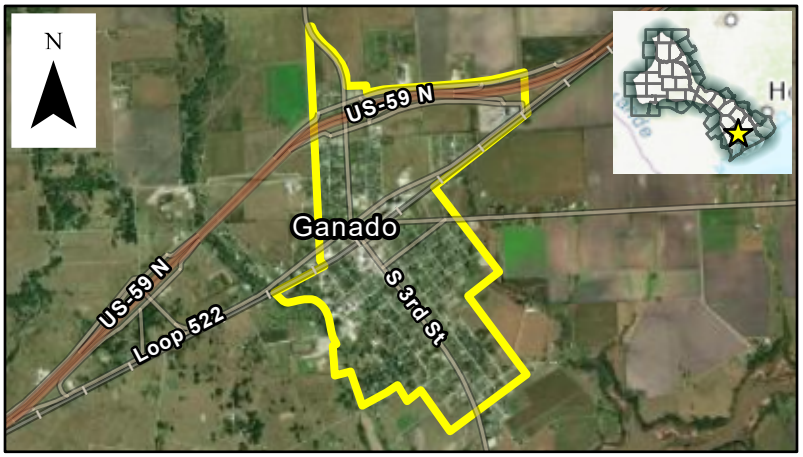
HUC#: 12100102 | Stream miles (est.): TBD

Drainage area: square miles, est: 1.12 | or acreage, est.: 717

Social vulnerability index: 0.51

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Local Plans & Regulations



Flood Risk Description

The current facility is located within the 100-year floodplain. The study will investigate possible sites and cost for relocation and may include the need to extend floodplain models upstream to verify the new location is outside the floodplain.

Population at risk: 0 | Structures at risk: 0 | Critical facilities at risk: 1

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 0.42

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify the most appropriate location for this development.

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation.

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Jackson County Hospital District | ID#: 101000065

Sponsor (name of entity): Jackson (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering
[ ] Other

Problem Area

City: N/A | County: Jackson

Watershed name(s): Post Oak Branch - Dry Creek

Tributary(ies): Dry Creek

HUC#: 12100101 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.09 | or acreage, est.: 57

Social vulnerability index: 0.51
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Jackson County Hospital Flood Plan

Flood Risk Description

The southern portion of the study area is located in the 100-year floodplain of Dry Creek and multiple structures are at risk. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 5 | Structures at risk: 3 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 0.12

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), and may include preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas and flood risk reduction measures (e.g., alternatives analysis and preliminary engineering). 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: County Road 480 | ID#: 101000066

Sponsor (name of entity): Jackson (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Jackson

Watershed name(s): Matagorda Bay, East Carancahau Creek - Frontal Carancahua Bay

Tributary(ies): Unnamed Tributary

HUC#: 12100401 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.06 | or acreage, est.: 41

Social vulnerability index: 0.51
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Roadway/Crossing Improvements

Flood Risk Description

CR480 runs parallel to Matagorda Bay and is threatened by erosion. The road serves as one of the primary means of ingress/egress to several residential areas in southern Jackson County. The proposed improvements include construction of a wall to protect and strengthen the roadway. The existing road is a 2-lane road with an average daily traffic count of 36. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk: 0 | Structures at risk: 0 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 0.61

Scope of Study

Conduct a study to evaluate upsizing the existing low water crossing. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Various Streets - Install Flood Early Warning System | ID#: 101000067

Sponsor (name of entity): Kerr (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Kerr

Watershed name(s): Multiple Watersheds

Tributary(ies): Unnamed Tributary

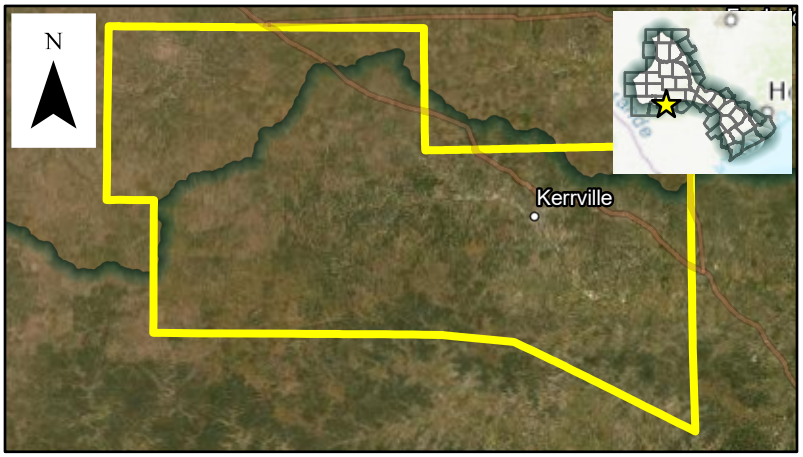
HUC#: 12090204,12090206 | Stream miles (est.): TBD

Drainage area: square miles, est: 1,103.03 | or acreage, est.: 705,941

Social vulnerability index: 0.36

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Install Flood Early Warning System



Flood Risk Description

The County has identified multiple roadway/crossing that overtop and where structural improvements are not feasible. Proposed study will identify priority crossings to receive flood warning systems or other safety improvements.

Population at risk: 0 | Structures at risk: 0 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 2.14

Scope of Study

Evaluate the type of flood early warnings system (flashers, barricades, signage) and communication systems requirements for the installation and long-term maintenance of the system. Include hydrologic and hydraulic modeling (if needed) including depth, duration and frequency of flooding, daily traffic counts, and length of detour (minutes),

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $50,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Lake Junction Dredging | ID#: 101000068

Sponsor (name of entity): Junction (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Junction | County: Kimble

Watershed name(s): Joy Creek - South Llano River

Tributary(ies): South Llano River

HUC#: 12090203 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.07 | or acreage, est.: 42

Social vulnerability index: 0.33
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Local Plans & Regulations

Flood Risk Description

The City has identified the need to dredge Lake Jackson to improve hydraulics and increase storage capacity. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 30 | Structures at risk: 10 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 14 | Roadway(s) impacted (miles): 0.06

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $50,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Llano River Erosion | ID#: 101000069

Sponsor (name of entity): Junction (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering
[ ] Other

Problem Area

City: Junction | County: Kimble

Watershed name(s): Elm Slough - North Llano River, Joy Creek - South Llano River

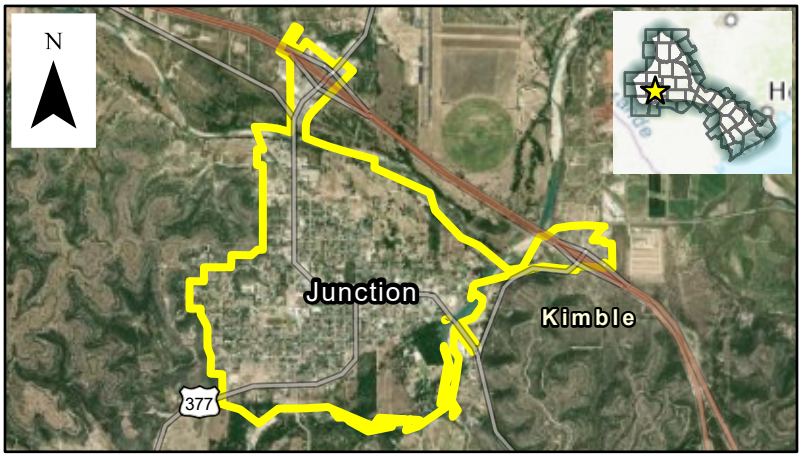
Tributary(ies): Llano River

HUC#: 12090202,12090204 | Stream miles (est.): 1.60

Drainage area: square miles, est: 2.39 | or acreage, est.: 1,527

Social vulnerability index: 0.33
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Channel Improvements/erosion protection



Flood Risk Description

The City has identified numerous erosion locations along the Llano River impacting Lake Junction and will undertake a study to develop and implement projects to prevent erosion. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk: 252 | Structures at risk: 130 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 427 | Roadway(s) impacted (miles): 6.63

Scope of Study

Study will include hydrologic and hydraulic modeling, preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $200,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Llano River Channel Maintenance/Improvements | ID#: 101000070

Sponsor (name of entity): Llano (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Llano | County: Llano

Watershed name(s): Johnson Creek - Llano River, Pecan Creek - Llano River, Oatman Creek - Llano River, Wrights Creek - Llano River

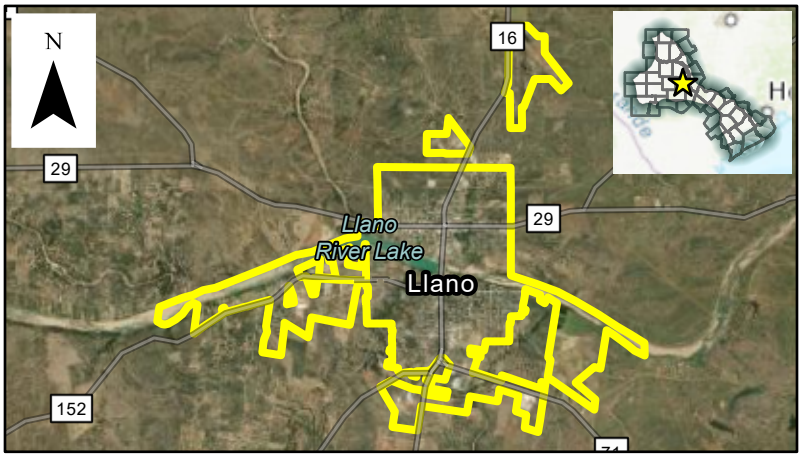
Tributary(ies): Llano River

HUC#: 12090204 | Stream miles (est.): TBD

Drainage area: square miles, est: 5.76 | or acreage, est.: 3,685

Social vulnerability index: 0.19
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Channel Improvements



Flood Risk Description

The City has identified numerous maintenance issues in the Johnson Creek, Pecan Creek, Oatman Creek, and Wrights Creek watersheds as well as potential channel modifications/stabilization needs to prevent erosion and mitigate local flooding. The proposed study will evaluate the need for structural infrastructure improvements and develop a more detailed assessment of existing flood and potential flood risk reduction (if appropriate) that will be used to evaluate projects for future planning cycles.

Population at risk: 549 | Structures at risk: 181 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 464 | Roadway(s) impacted (miles): 4.11

Scope of Study

Study will include hydrologic and hydraulic modeling of preliminary design of improvements (if needed) risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Drainage Ditch Maintenance/Improvements | ID#: 101000071

Sponsor (name of entity): Sunrise Beach Village (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Sunrise Beach Village | County: Llano

Watershed name(s): Sandy Creek - Lake Lyndon B Johnson

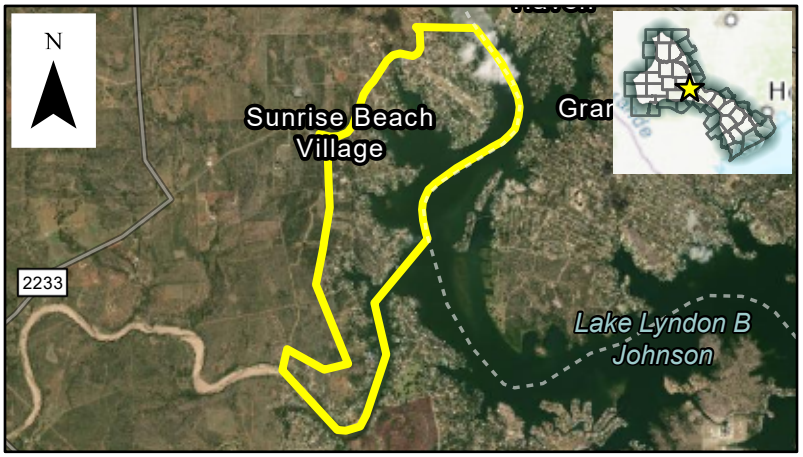
Tributary(ies): Unnamed Tributaries

HUC#: 12090201 | Stream miles (est.): TBD

Drainage area: square miles, est: 2.64 | or acreage, est.: 1,688

Social vulnerability index: 0.19
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Channel Improvements



Flood Risk Description

The City has identified a number of drainage channels that need to be maintained as well as improved to provide additional conveyance to prevent erosion and mitigate local flooding. The proposed improvements will include channel modifications and develop a more detailed assessment of existing flood and potential flood risk reduction (where appropriate) that will used to evaluate projects for future planning cycles.

Population at risk: 226 | Structures at risk: 330 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 101 | Roadway(s) impacted (miles): 0.83

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Prepare Evacuation Plan | ID#: 101000072

Sponsor (name of entity): Llano (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering
[ ] Other

Problem Area

City: N/A | County: Llano

Watershed name(s): Multiple Watersheds

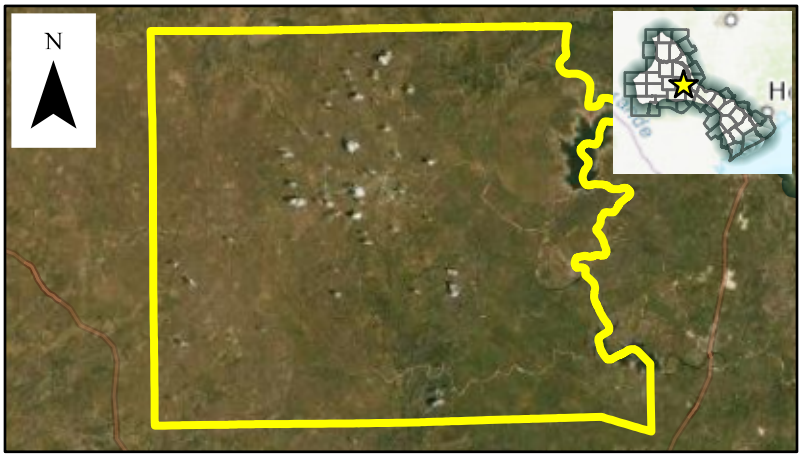
Tributary(ies): Unnamed Tributary

HUC#: 12090201,12090204 | Stream miles (est.): TBD

Drainage area: square miles, est: 962.44 | or acreage, est.: 615,962

Social vulnerability index: 0.19
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Local Plans & Regulations



Flood Risk Description

The Sponsor's evacuation plan(s) are out of date and need to be updated to assist with emergency coordination during a flood event.

Population at risk: 3,956 | Structures at risk: 2,740 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 44,539 | Roadway(s) impacted (miles): 53.08

Scope of Study

Coordinate with agencies and local governments as necessary to develop/update the evacuation plan.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Study Cost

Cost: $25,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Comanche Rancherias Subdivision | ID#: 101000073

Sponsor (name of entity): Llano (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Llano

Watershed name(s): Honey Creek - Lake Lyndon B Johnson

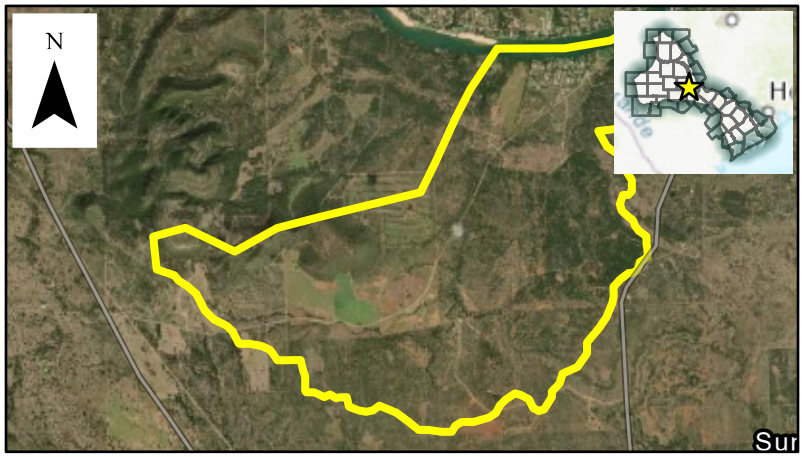
Tributary(ies): Moss Creek

HUC#: 12090201,12090204 | Stream miles (est.): TBD

Drainage area: square miles, est: 5.79 | or acreage, est.: 3,703

Social vulnerability index: 0.19
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Watershed Study



Flood Risk Description

The subdivision has multiple local drainage problems and portions of the subdivision are at risk of flooding including a risk of street flooding, property flooding, and potential structural flooding. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 17 | Structures at risk: 20 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 216 | Roadway(s) impacted (miles): 0.78

Scope of Study

The flood study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) to identify priority flood risk areas, preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Construct Emergency Operation Center | ID#: 101000074

Sponsor (name of entity): Palacios (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Palacios | County: Matagorda

Watershed name(s): Tres Palacios River - Frontal Tres Palacios Bay

Tributary(ies): Unnamed Tributary

HUC#: 12100401 | Stream miles (est.): TBD

Drainage area: square miles, est: 3.35 | or acreage, est.: 2,145

Social vulnerability index: 0.84

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Local Plans & Regulations

Flood Risk Description

The city has identified the need to construct an emergency operation center for the safety of the community. The study will investigate possible sites and cost for the location and may include the need to extend floodplain models upstream to verify the location is outside the floodplain.

Population at risk: 0 | Structures at risk: 0 | Critical facilities at risk: 1

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 0.00

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify the most appropriate location for this development.

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation.

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Airport Drainage Improvements | ID#: 101000075

Sponsor (name of entity): Palacios (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Palacios | County: Matagorda

Watershed name(s): Tres Palacios River - Frontal Tres Palacios Bay

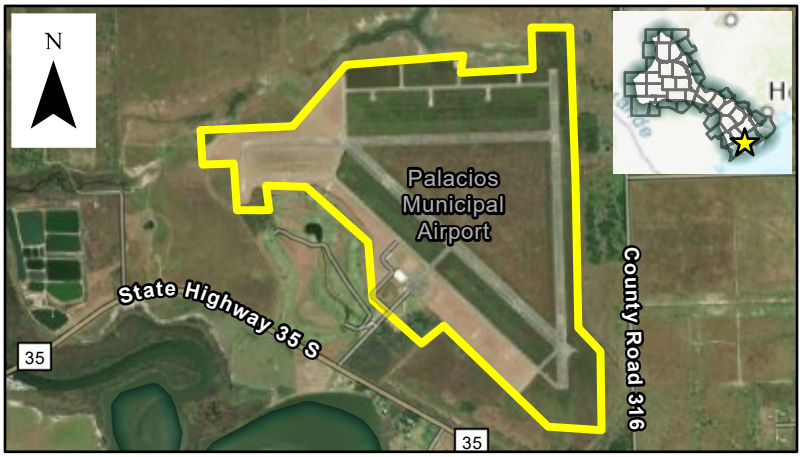
Tributary(ies): Reed Creek, Horn Creek

HUC#: 12100401 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.70 | or acreage, est.: 450

Social vulnerability index: 0.84
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Watershed Study



Flood Risk Description

The airport is located within the 100-year floodplain of Tres Palacios Bay and has local drainage problems with portions of the area at risk of flooding. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 2 | Structures at risk: 3 | Critical facilities at risk: 3

Farm/Ranch land impacted (acres): 4 | Roadway(s) impacted (miles): 0.00

Scope of Study

The flood study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) to identify priority flood risk areas, preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas and flood risk reduction measures (e.g., alternatives analysis and preliminary engineering). 5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Tres Palacios River | ID#: 101000076

Sponsor (name of entity): Matagorda (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering
[ ] Other

Problem Area

City: N/A | County: Matagorda

Watershed name(s): Multiple Watersheds

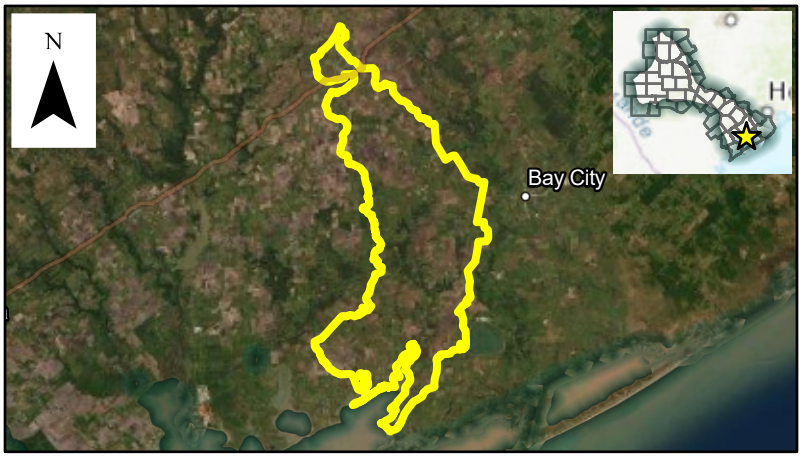
Tributary(ies): Tres Palacios River

HUC#: 12090302,12100401 | Stream miles (est.): TBD

Drainage area: square miles, est: 365.91 | or acreage, est.: 234,181

Social vulnerability index: 0.84
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Install Flood Early Warning System



Flood Risk Description

The county has identified multiple roadway/crossings on the Tres Palacios River that overtop and where structural improvements are not feasible. The proposed study will identify priority crossings to receive flood warning systems or other safety improvements.

Population at risk: 0 | Structures at risk: 0 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 28,386 | Roadway(s) impacted (miles): 75.83

Scope of Study

Evaluate the type of flood early warnings system (flashers, barricades, signage) and communication systems requirements for the installation and long-term maintenance of the system. Include hydrologic and hydraulic modeling (if needed) including depth, duration and frequency of flooding, daily traffic counts, and length of detour (minutes),

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., , City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $50,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Update Flood Insurance Study & Flood Insurance Rate Maps | ID#: 101000077

Sponsor (name of entity): Matagorda (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [x] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Matagorda

Watershed name(s): Multiple Watersheds

Tributary(ies): Unnamed Tributary

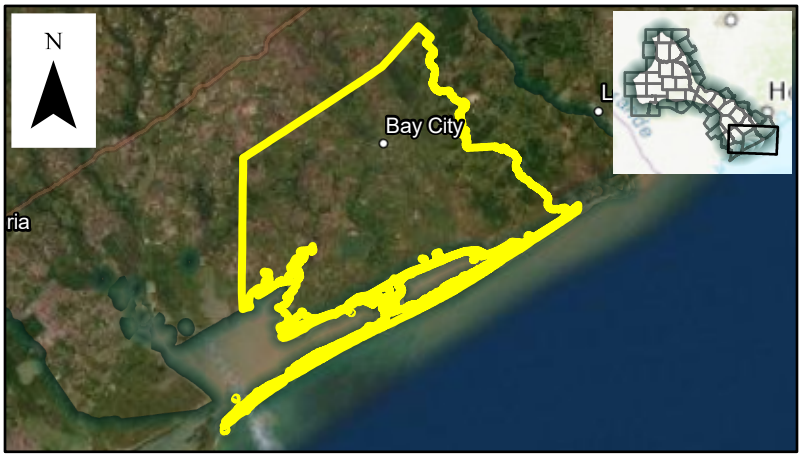
HUC#: 12090402,12090302 | Stream miles (est.): TBD

Drainage area: square miles, est: 1,136.08 | or acreage, est.: 727,093

Social vulnerability index: 0.84

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Watershed Study



Flood Risk Description

The existing floodplain maps are outdated and do not reflect current flood risk.

Population at risk: 9,441 | Structures at risk: 7,016 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 124,179 | Roadway(s) impacted (miles): 183.22

Scope of Study

The flood study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) and will develop new floodplain maps that reflect current flood risk.

Related Goal(s)

3.1 Increase the number of entities that have updated watershed models and floodplain maps to reflect current conditions, including as applicable Atlas 14 (Volume 11) revised rainfall data. 3.3 Increase the number of entities that have digital flood insurance rate maps (DFIRMs) that reflect current conditions.

Estimated Study Cost

Cost: $250,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Hooten Holler in Richland Springs | ID#: 101000078

Sponsor (name of entity): San Saba (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: San Saba

Watershed name(s): Lower Richland Springs Creek

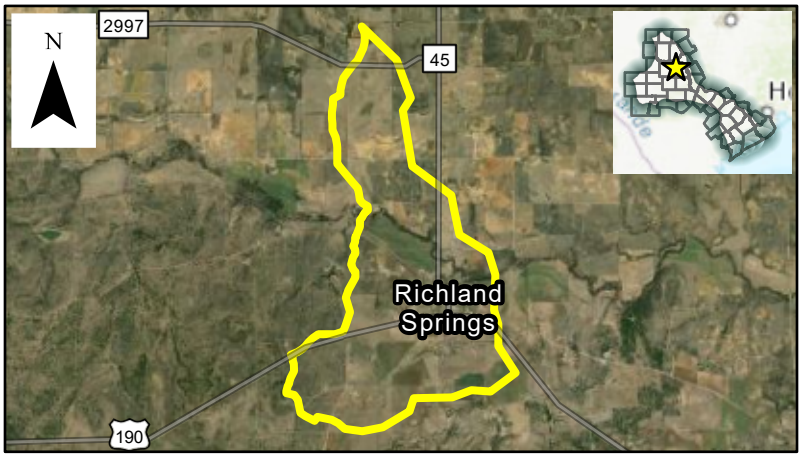
Tributary(ies): Richland Springs Creek

HUC#: 12090109,12090106 | Stream miles (est.): TBD

Drainage area: square miles, est: 5.44 | or acreage, est.: 3,479

Social vulnerability index: 0.51
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Watershed Study



Flood Risk Description

The Sponsor has indicated the existing stormwater infrastructure in the study area and numerous houses are located in the 100-year floodplain. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 37 | Structures at risk: 43 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 695 | Roadway(s) impacted (miles): 1.87

Scope of Study

The flood study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) to identify priority flood risk areas, preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas and flood risk reduction measures (e.g., alternatives analysis and preliminary engineering). 5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Community Evacuation Plan | ID#: 101000080

Sponsor (name of entity): Jonestown (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[x] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Jonestown | County: Travis

Watershed name(s): Hurst Creek - Lake Travis, Big Sandy Creek

Tributary(ies): Unnamed Tributary

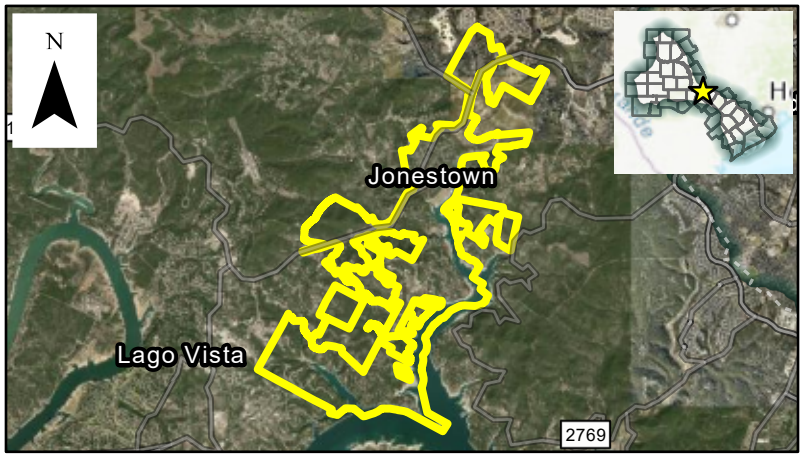
HUC#: 12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 7.55 | or acreage, est.: 4,832

Social vulnerability index: 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Local Plans & Regulations



Flood Risk Description

The Sponsor's evacuation plan(s) are out of date and need to be updated to assist with emergency coordination during a flood event.

Population at risk: 235 | Structures at risk: 322 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 423 | Roadway(s) impacted (miles): 2.48

Scope of Study

Coordinate with agencies and local governments as necessary to develop/update the evacuation plan.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Study Cost

Cost: $25,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Citywide Drainage Study | ID#: 101000082

Sponsor (name of entity): Lago Vista (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [x] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Lago Vista | County: Travis

Watershed name(s): Bee Creek - Lake Travis, Hurst Creek - Lake Travis

Tributary(ies): Unnamed Tributary

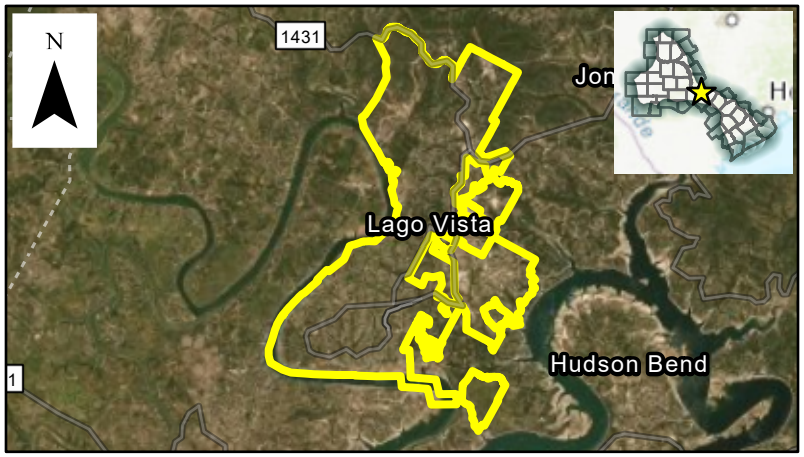
HUC#: 12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 15.51 | or acreage, est.: 9,926

Social vulnerability index: 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Watershed Study



Flood Risk Description

The City has multiple local drainage problems and portions of the City are at risk of flooding. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 813 | Structures at risk: 542 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 658 | Roadway(s) impacted (miles): 10.48

Scope of Study

The Citywide study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) to identify priority flood risk areas, preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas and flood risk reduction measures (e.g., alternatives analysis and preliminary engineering). 5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $250,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Community Evacuation Plan | ID#: 101000083

Sponsor (name of entity): Lago Vista (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[x] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Lago Vista | County: Travis

Watershed name(s): Bee Creek - Lake Travis, Hurst Creek - Lake Travis

Tributary(ies): Unnamed Tributary

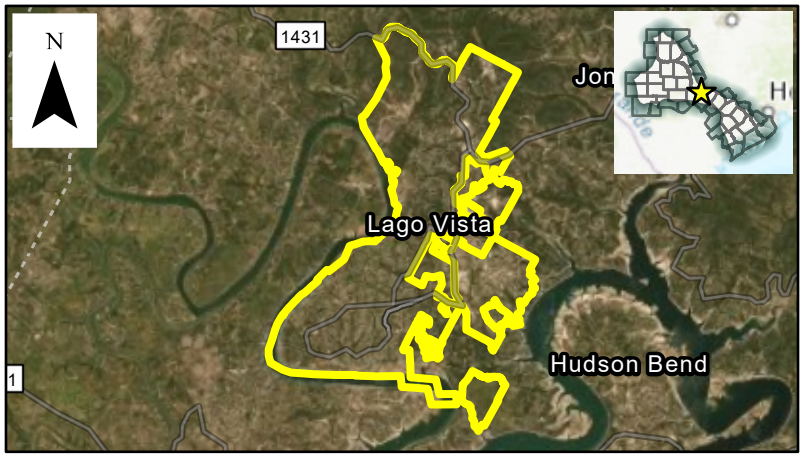
HUC#: 12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 15.51 | or acreage, est.: 9,926

Social vulnerability index: 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Local Plans & Regulations



Flood Risk Description

The City has identified the need to develop/update an evacuation plan for the safety of the community.

Population at risk: 813 | Structures at risk: 542 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 658 | Roadway(s) impacted (miles): 10.48

Scope of Study

Coordinate with agencies and local governments as necessary to develop/update the evacuation plan.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Study Cost

Cost: $25,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Bee Creek Drainage Improvements | ID#: 101000084

Sponsor (name of entity): West Lake Hills (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: West Lake Hills | County: Travis

Watershed name(s): Lake Austin - Town Lake

Tributary(ies): Little Bee Creek

HUC#: 12090205 | Stream miles (est.): 1.25

Drainage area: square miles, est: 1.06 | or acreage, est.: 677

Social vulnerability index: 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Channel Improvements

Flood Risk Description

The existing channel and road crossings are undersized resulting in localized erosion as well as flood risk to houses along Yaupon Valley Road and Laurel Valley Road. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 25 | Structures at risk: 14 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 18 | Roadway(s) impacted (miles): 0.47

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Create emergency evacuation plan | ID#: 101000085

Sponsor (name of entity): Point Venture (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[x] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [ ] Preliminary project engineering
[ ] Other

Problem Area

City: Point Venture | County: Travis

Watershed name(s): Bee Creek - Lake Travis, Hurst Creek - Lake Travis

Tributary(ies): Unnamed Tributary

HUC#: 12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.94 | or acreage, est.: 602

Social vulnerability index: 0.15
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Local Plans & Regulations

Flood Risk Description

The Sponsor's evacuation plan(s) are out of date and need to be updated to assist with emergency coordination during a flood event.

Population at risk: 404 | Structures at risk: 167 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 80 | Roadway(s) impacted (miles): 0.65

Scope of Study

Coordinate with agencies and local governments as necessary to develop/update the evacuation plan.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Study Cost

Cost: $25,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Citywide Drainage Study | ID#: 101000086

Sponsor (name of entity): San Leanna (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [x] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: San Leanna | County: Travis

Watershed name(s): Slaughter Creek - Onion Creek

Tributary(ies): Slaughter Creek

HUC#: 12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.43 | or acreage, est.: 277

Social vulnerability index: 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Watershed Study

Flood Risk Description

The City has multiple local drainage problems and portions of the City are at risk of flooding. The existing risk indicators are based on available data and will be better defined as part of the study. Study will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 7 | Structures at risk: 8 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 5 | Roadway(s) impacted (miles): 0.10

Scope of Study

The Citywide study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) to identify priority flood risk areas, preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas and flood risk reduction measures (e.g., alternatives analysis and preliminary engineering). 5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $250,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Review and Update Floodplain Management Plan | ID#: 101000088

Sponsor (name of entity): Volente (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[x] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Volente | County: Travis

Watershed name(s): Hurst Creek - Lake Travis, Cypress Creek - Lake Travis

Tributary(ies): Unnamed Tributary

HUC#: 12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 2.04 | or acreage, est.: 1,308

Social vulnerability index: 0.15
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Local Plans & Regulations

Flood Risk Description

The city is located on the banks of Lake Travis and has numerous houses located in, or adjacent to, the 100-year floodplain. The purpose of this study is to review the city's floodplain management plan.

Population at risk: 280 | Structures at risk: 149 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 136 | Roadway(s) impacted (miles): 0.20

Scope of Study

The study would review the existing floodplain management plan and regulations, and make recommendations for improvements such as adopting higher standards and establish an annual review cycle.

Related Goal(s)

3.1 Increase the number of entities that have updated watershed models and floodplain maps to reflect current conditions, including as applicable Atlas 14 (Volume 11) revised rainfall data. 3.3 Increase the number of entities that have digital flood insurance rate maps (DFIRMs) that reflect current conditions.

Estimated Study Cost

Cost: $25,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Develop an Emergency Operations and Evacuation Plan | ID#: 101000089

Sponsor (name of entity): Volente (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[x] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Volente | County: Travis

Watershed name(s): Hurst Creek - Lake Travis, Cypress Creek - Lake Travis

Tributary(ies): Unnamed Tributary

HUC#: 12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 2.04 | or acreage, est.: 1,308

Social vulnerability index: 0.15
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Local Plans & Regulations

Flood Risk Description

The Sponsor's evacuation plan(s) are out of date and need to be updated to assist with emergency coordination during a flood event.

Population at risk: 280 | Structures at risk: 149 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 136 | Roadway(s) impacted (miles): 0.20

Scope of Study

Coordinate with agencies and local governments as necessary to develop/update the evacuation plan.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Study Cost

Cost: $25,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Various Streets - Upgrade Existing Roadway Crossings | ID#: 101000090

Sponsor (name of entity): Victoria (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Victoria | County: Victoria

Watershed name(s): Unnamed Watershed

Tributary(ies): Unnamed Tributary

HUC#: 12100204,12100402 | Stream miles (est.): TBD

Drainage area: square miles, est: 44.61 | or acreage, est.: 28,548

Social vulnerability index: 0.62

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Roadway/Crossing Improvements

Flood Risk Description

The Sponsor has indicated there are multiple low water crossings that are undersized and overtop. Proposed improvements include upsizing the culverts. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk: 0 | Structures at risk: 0 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 1.25

Scope of Study

Conduct a study to evaluate upsizing the existing low water crossing. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Harden City Buildings, Critical Infrastructure | ID#: 101000091

Sponsor (name of entity): Victoria (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Victoria | County: Victoria

Watershed name(s): Placedo Creek, Marcado Creek - Gracitas Creek

Tributary(ies): Unnamed Tributary

HUC#: 12100204,12100402 | Stream miles (est.): TBD

Drainage area: square miles, est: 36.71 | or acreage, est.: 23,493

Social vulnerability index: 0.62

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Local Plans & Regulations

Flood Risk Description

Numerous city buildings and other critical infrastructure are at risk due to flood damage. The purpose of the study will be to evaluate the existing infrastructure and determine feasibility and costs for increasing resiliency. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk: 2,484 | Structures at risk: 368 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 849 | Roadway(s) impacted (miles): 10.35

Scope of Study

Perform a feasibility study to determine if some or all of the city infrastructure should be hardened or flood proofed, establish costs, and prioritize improvements.

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Citywide Drainage Study | ID#: 101000092

Sponsor (name of entity): Victoria (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [x] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Victoria | County: Victoria

Watershed name(s): Multiple Watersheds

Tributary(ies): Unnamed Tributary

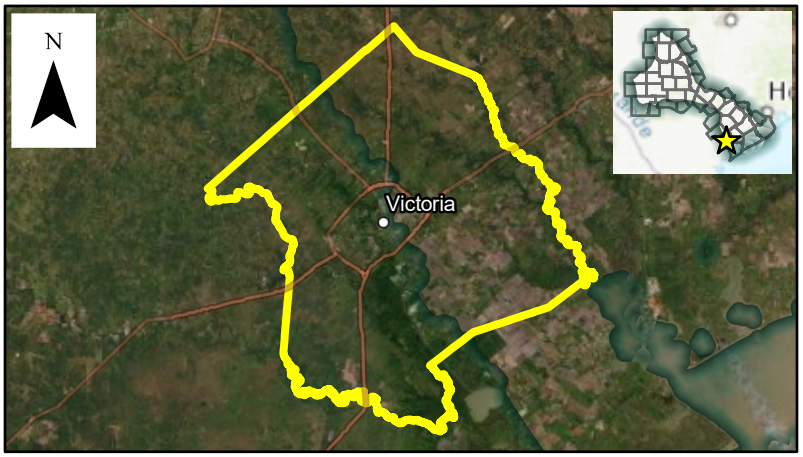
HUC#: 12100204,12100402 | Stream miles (est.): TBD

Drainage area: square miles, est: 885.81 | or acreage, est.: 566,920

Social vulnerability index: 0.62

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Watershed Study



Flood Risk Description

The sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street flooding, property flooding, and potential structural flooding. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 3,238 | Structures at risk: 776 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 37,406 | Roadway(s) impacted (miles): 51.50

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas and flood risk reduction measures (e.g., alternatives analysis and preliminary engineering). 5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $250,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Various Streets - Upgrade Existing Roadway Crossings and | ID#: 101000093

Sponsor (name of entity): Victoria (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Victoria

Watershed name(s): Multiple Watersheds

Tributary(ies): Unnamed Tributary

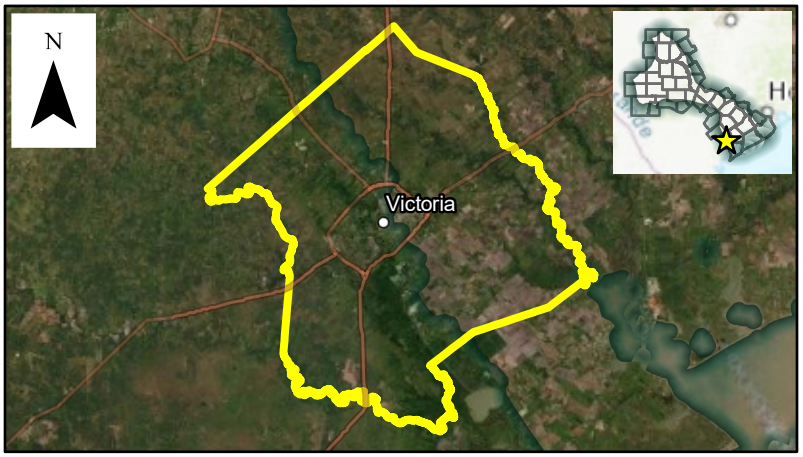
HUC#: 12100204,12100402 | Stream miles (est.): TBD

Drainage area: square miles, est: 885.81 | or acreage, est.: 566,920

Social vulnerability index: 0.62

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Roadway/Crossing Improvements



Flood Risk Description

The Sponsor has indicated there are multiple low water crossings that are undersized and overtop. They have also identified that a number of bridges do not have sufficient hydraulic capacity and should be raised above the base flood elevation. Proposed improvements include upsizing the culverts and elevating bridges. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 0 | Structures at risk: 0 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 51.50

Scope of Study

Conduct a study to evaluate upsizing the existing low water crossings and bridges. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Identify and Buyout Repetitive Loss Properties | ID#: 101000095

Sponsor (name of entity): Victoria (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Victoria

Watershed name(s): Multiple Watersheds

Tributary(ies): Unnamed Tributary

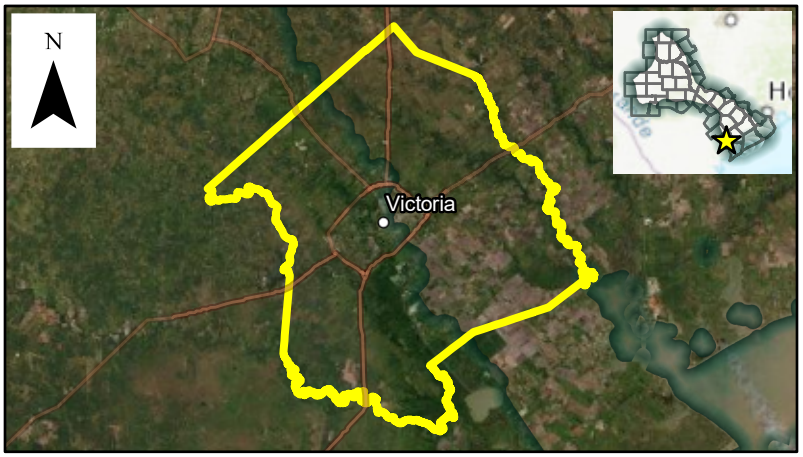
HUC#: 12100204,12100402 | Stream miles (est.): TBD

Drainage area: square miles, est: 885.81 | or acreage, est.: 566,920

Social vulnerability index: 0.62

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Voluntary buyout



Flood Risk Description

There are multiple flood prone properties that are within the County that are within the 100-year floodplain and subject to repetitive loss. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate voluntary buyouts for future planning cycles.

Population at risk: 3,238 | Structures at risk: 776 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 37,406 | Roadway(s) impacted (miles): 51.50

Scope of Study

Perform a feasibility study to determine if some or all of the houses should be elevated or removed.

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation.

Estimated Study Cost

Cost: $250,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Harden county buildings, critical infrastructure, and government | ID#: 101000096

Sponsor (name of entity): Victoria (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Victoria

Watershed name(s): Multiple Watersheds

Tributary(ies): Unnamed Tributary

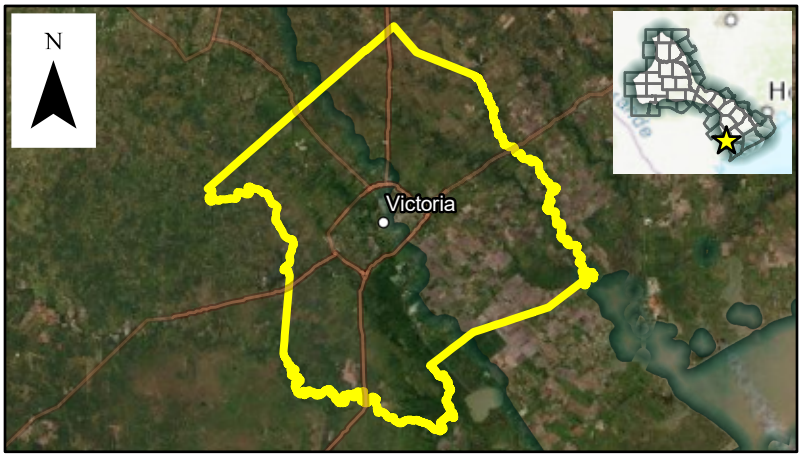
HUC#: 12100204,12100402 | Stream miles (est.): TBD

Drainage area: square miles, est: 885.81 | or acreage, est.: 566,920

Social vulnerability index: 0.62

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Local Plans & Regulations



Flood Risk Description

Numerous County buildings and other critical infrastructure are at risk due to flood damage. The purpose of the study will be to evaluate the existing infrastructure and determine the feasibility and costs for increasing resiliency. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk: 3,238 | Structures at risk: 776 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 37,406 | Roadway(s) impacted (miles): 51.50

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation.

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Tres Palacios, Blue Creek, East Mustang Creek | ID#: 101000098

Sponsor (name of entity): El Campo (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [x] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: El Campo | County: Wharton

Watershed name(s): Tres Palacios River - Frontal Tres Palacios Bay, Mud Creek - Blue Creek, East Mustang Creek

Tributary(ies): Tres Palacios River, Blue Creek, Mud Creek

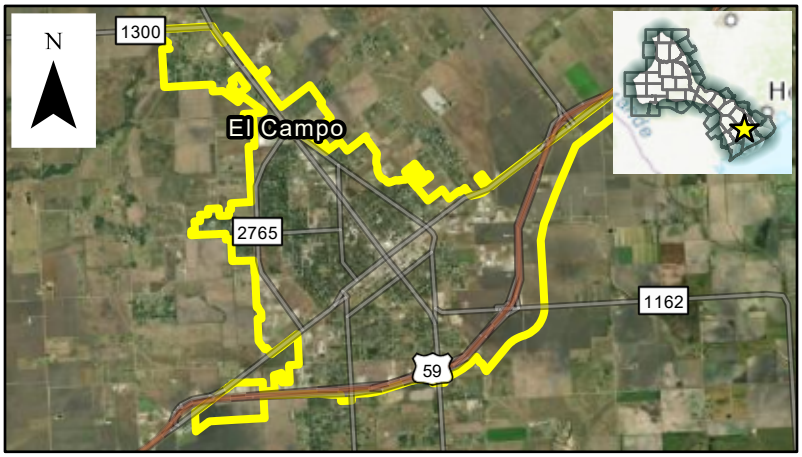
HUC#: 12090302,12100401 | Stream miles (est.): TBD

Drainage area: square miles, est: 9.69 | or acreage, est.: 6,199

Social vulnerability index: 0.81

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Regional Detention



Flood Risk Description

The Sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street flooding, property flooding, and potential structural flooding. There are numerous structures in the 100-year floodplain, particularly in the northeast and southwest sections of the city. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 5,635 | Structures at risk: 1,589 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 874 | Roadway(s) impacted (miles): 34.72

Scope of Study

Conduct a study to evaluate potential detention alternatives. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $150,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Use Digital Maps of All Hazards and Educate Residents | ID#: 101000099

Sponsor (name of entity): El Campo (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[x] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: El Campo | County: Wharton

Watershed name(s): Tres Palacios River - Frontal Tres Palacios Bay, Mud Creek - Blue Creek, East Mustang Creek

Tributary(ies): Tres Palacios River, Blue Creek, Mud Creek

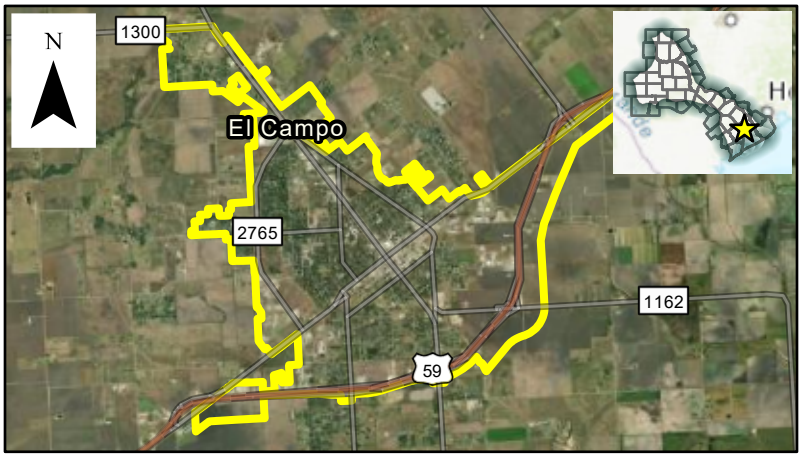
HUC#: 12090302,12100401 | Stream miles (est.): TBD

Drainage area: square miles, est: 9.69 | or acreage, est.: 6,199

Social vulnerability index: 0.81

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Local Plans & Regulations



Flood Risk Description

The City has identified the need to generate digital maps to overlay and display all known hazards for the purpose of notifying and informing residents.

Population at risk: 5,635 | Structures at risk: 1,589 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 874 | Roadway(s) impacted (miles): 34.72

Scope of Study

Collect known hazard maps and create a digital map (geographic information system map) for the purpose of education. The study will include evaluating options for sharing the maps publicly and developing an ongoing maintenance/update cycle.

Related Goal(s)

1.1 Increase the number of public outreach and educational communications and activities conducted by the RFPG to improve awareness of flood hazards and benefits of flood planning in the flood planning region.

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Pecan Street | ID#: 101000100

Sponsor (name of entity): El Campo (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering
[ ] Other

Problem Area

City: El Campo | County: Wharton

Watershed name(s): Tres Palacios River - Frontal Tres Palacios Bay

Tributary(ies): Unnamed Tributary

HUC#: 12100401 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.00 | or acreage, est.: 3

Social vulnerability index: 0.81
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Drainage System Improvements

Flood Risk Description

The Sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street and local flooding. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 7 | Structures at risk: 5 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 1.10

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Town & Country Drive | ID#: 101000101

Sponsor (name of entity): El Campo (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: El Campo | County: Wharton

Watershed name(s): Tres Palacios River - Frontal Tres Palacios Bay

Tributary(ies): Unnamed Tributary

HUC#: 12100401 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.00 | or acreage, est.: 2

Social vulnerability index: 0.81

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Drainage System Improvements

Flood Risk Description

The Sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street and local flooding. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 32 | Structures at risk: 25 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 0.50

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Piney Creek Benching | ID#: 101000102

Sponsor (name of entity): Bastrop (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [x] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Bastrop

Watershed name(s): Spicer Creek - Piney Creek

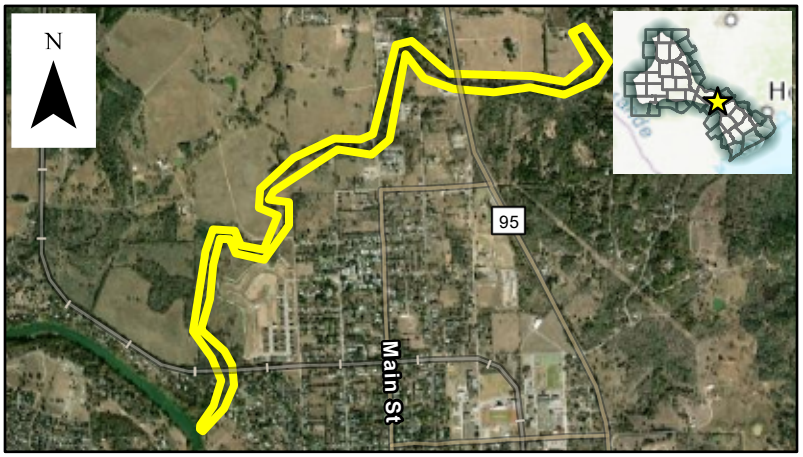
Tributary(ies): Piney Creek

HUC#: 12090301 | Stream miles (est.): 1.50

Drainage area: square miles, est: 0.12 | or acreage, est.: 78

Social vulnerability index: 0.61
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Channel Improvements



Flood Risk Description

The existing channel from upstream of HWY 95 to the Colorado River is undersized threatening multiple road crossings as well as houses on Magnolia Street, Mesquite street, and in the Bastrop Estates Mobile Home Park. The city has identified channel benching (approx. 4,430 feet) to increase conveyance as a potential solution. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood-risk reduction to be used in evaluating projects for future funding cycles.

Population at risk: 42 | Structures at risk: 9 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 37 | Roadway(s) impacted (miles): 0.19

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $200,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Drainage System Improvements - JC Madison Addition | ID#: 101000103

Sponsor (name of entity): Bastrop (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Bastrop

Watershed name(s): Wilbarger Bend, Colorado River, Lower Wilbarger Creek, Big Sandy Creek - Colorado River

Tributary(ies): Wilbarger Creek

HUC#: 12090301 | Stream miles (est.): TBD

Drainage area: square miles, est: 48.24 | or acreage, est.: 30,874

Social vulnerability index: 0.61

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Drainage System Improvements

Flood Risk Description

Additions to the watershed would require improvements to the existing undersized drainage system in the JC Madison Addition. The sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street flooding, property flooding, and potential structural flooding. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 61 | Structures at risk: 103 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 5,786 | Roadway(s) impacted (miles): 3.68

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Citywide Drainage System Improvements | ID#: 101000104

Sponsor (name of entity): Smithville (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Smithville | County: Bastrop

Watershed name(s): Willow Creek - Colorado River

Tributary(ies): Gazley Creek, Willow Creek

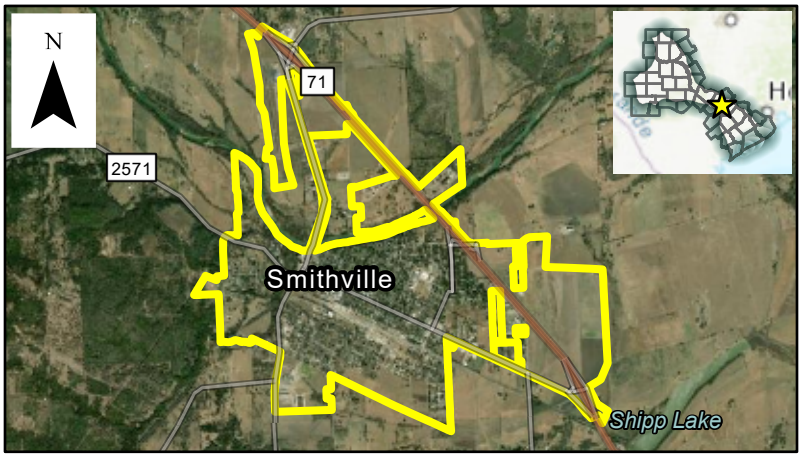
HUC#: 12090301 | Stream miles (est.): TBD

Drainage area: square miles, est: 4.02 | or acreage, est.: 2,570

Social vulnerability index: 0.61

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Drainage System Improvements



Flood Risk Description

The sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street flooding, property flooding, and potential structural flooding. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 603 | Structures at risk: 84 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 335 | Roadway(s) impacted (miles): 3.79

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $500,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Update and Maintain Emergency Management Plan | ID#: 101000105

Sponsor (name of entity): Blanco (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[x] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Blanco

Watershed name(s): Multiple Watersheds

Tributary(ies): Unnamed Tributary

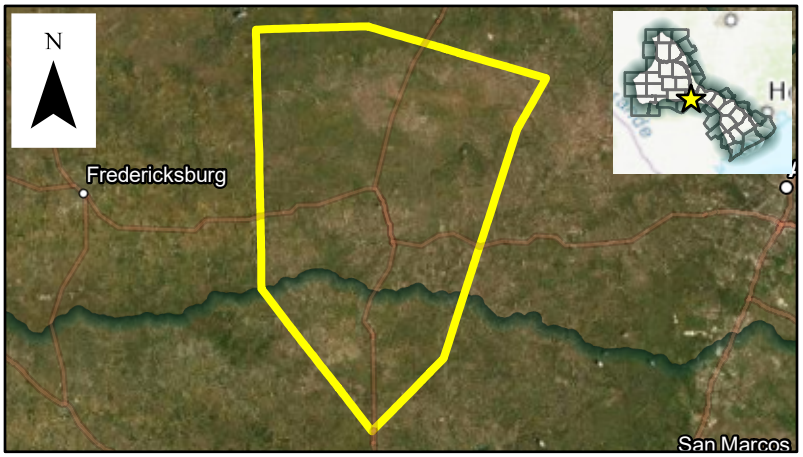
HUC#: 12090201,12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 710.98 | or acreage, est.: 455,029

Social vulnerability index: 0.07

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Local Plans & Regulations



Flood Risk Description

The City has identified the need to develop/update an evacuation plan for the safety of the community.

Population at risk: 665 | Structures at risk: 294 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 25,476 | Roadway(s) impacted (miles): 15.31

Scope of Study

Evaluate the type of flood early warnings system (flashers, barricades, signage) and communication systems requirements for the installation and long-term maintenance of the system. Include hydrologic and hydraulic modeling (if needed) including depth, duration and frequency of flooding, daily traffic counts, and length of detour (minutes).

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Study Cost

Cost: $25,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Various Locations - Upgrade Low Water Crossings | ID#: 101000106

Sponsor (name of entity): Blanco (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Blanco

Watershed name(s): Multiple Watersheds

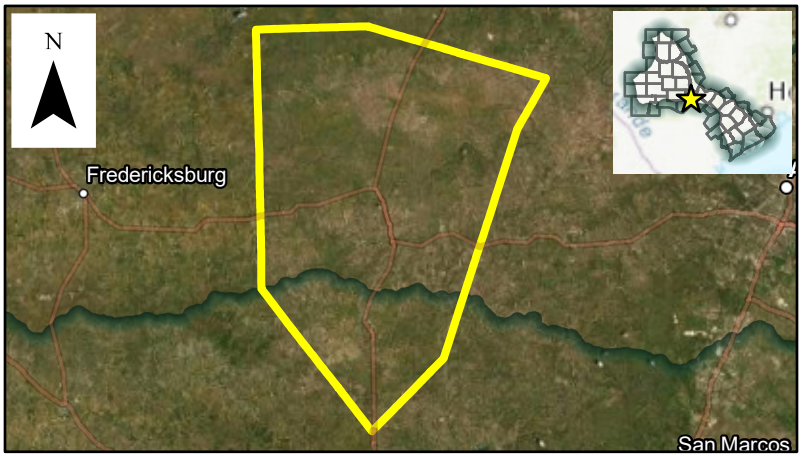
Tributary(ies): Unnamed Tributary

HUC#: 12090201,12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 710.98 | or acreage, est.: 455,029

Social vulnerability index: 0.07
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Roadway/Crossing Improvements



Flood Risk Description

The Sponsor has indicated there are multiple low water crossings throughout the County that are undersized and overtop. Proposed improvements include upsizing the culverts. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk: 0 | Structures at risk: 0 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 15.31

Scope of Study

Conduct a study to evaluate upsizing the existing low water crossings. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Citywide Drainage Plan | ID#: 101000107

Sponsor (name of entity): Johnson City (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [x] Preliminary project engineering

[ ] Other

Problem Area

City: Johnson City | County: Blanco

Watershed name(s): Pedernales

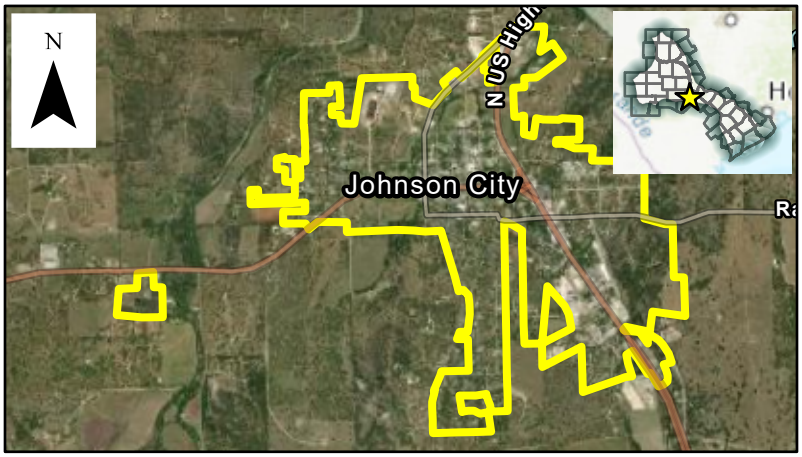
Tributary(ies): Town Creek, Deer Creek

HUC#: 12090206 | Stream miles (est.): 8.50

Drainage area: square miles, est: 1.80 | or acreage, est.: 1,151

Social vulnerability index: 0.07
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Watershed Study



Flood Risk Description

The City has multiple local drainage problems and portions of the City are at risk of flooding from the Pedernales River, Flat Creek, Town Creek, and Deer Creek. The sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street flooding, property flooding, and potential structural flooding. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 408 | Structures at risk: 47 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 67 | Roadway(s) impacted (miles): 2.06

Scope of Study

The Citywide study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) to identify priority flood risk areas, preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $250,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Develop New/Updated Floodplain Maps | ID#: 101000108

Sponsor (name of entity): Johnson City (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [x] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Johnson City | County: Blanco

Watershed name(s): Towhead Creek - Pedernales River, Cottonwood Creek - Pedernales River

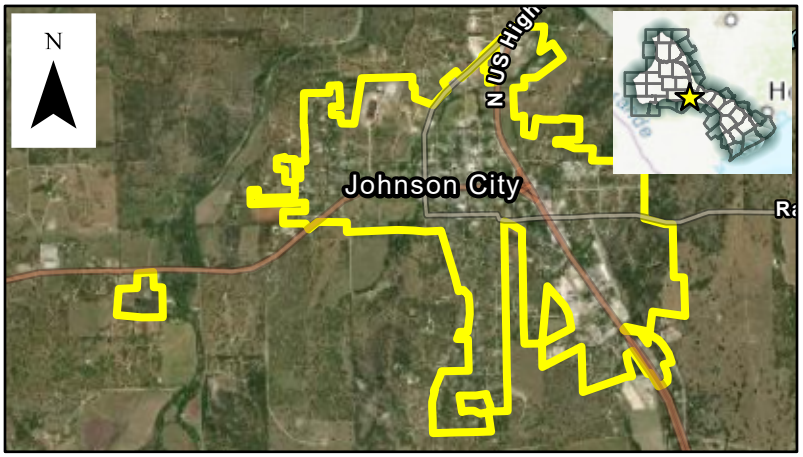
Tributary(ies): Town Creek

HUC#: 12090206 | Stream miles (est.): TBD

Drainage area: square miles, est: 1.80 | or acreage, est.: 1,151

Social vulnerability index: 0.07
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Watershed Study



Flood Risk Description

The existing floodplain maps are outdated and do not reflect current flood risk.

Population at risk: 408 | Structures at risk: 47 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 67 | Roadway(s) impacted (miles): 2.06

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) and will develop new floodplain maps that reflect current flood risk.

Related Goal(s)

3.1 Increase the number of entities that have updated watershed models and floodplain maps to reflect current conditions, including as applicable Atlas 14 (Volume 11) revised rainfall data. 3.3 Increase the number of entities that have digital flood insurance rate maps (DFIRMs) that reflect current conditions.

Estimated Study Cost

Cost: $250,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: CR 332 Drainage Improvements | ID#: 101000109

Sponsor (name of entity): Sweeny (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Sweeny | County: Brazoria

Watershed name(s): East Matagorda Bay, Bell Creek - San Bernard River

Tributary(ies): Cedar Lake Creek

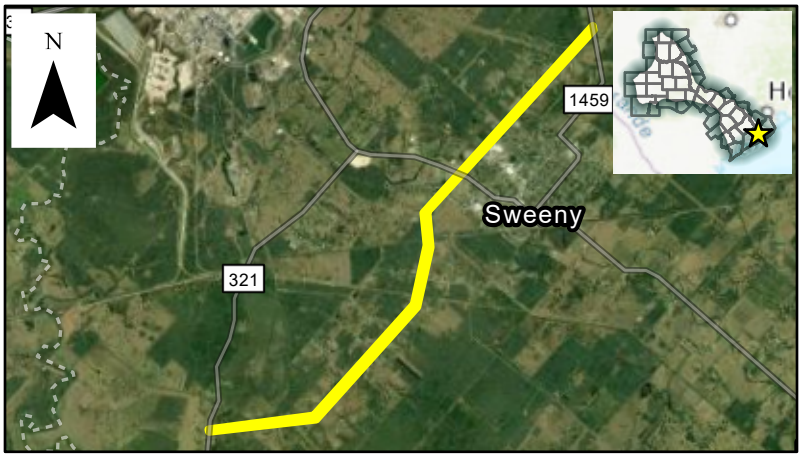
HUC#: 12090402,12090401 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.21 | or acreage, est.: 137

Social vulnerability index: 0.21

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Drainage System Improvements



Flood Risk Description

The Sponsor has indicated the existing stormwater infrastructure on CR322 is undersized. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 27 | Structures at risk: 9 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 2.89

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $50,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Various Culverts Along Stevenson Slough | ID#: 101000110

Sponsor (name of entity): Sweeny (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Sweeny | County: Brazoria

Watershed name(s): East Matagorda Bay, Bell Creek - San Bernard River

Tributary(ies): Unnamed Tributary

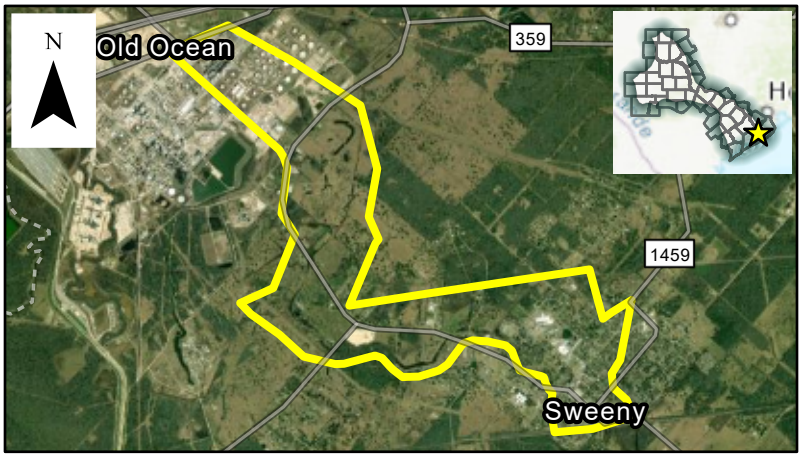
HUC#: 12090402,12090401 | Stream miles (est.): TBD

Drainage area: square miles, est: 3.08 | or acreage, est.: 1,973

Social vulnerability index: 0.61

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Roadway/Crossing Improvements



Flood Risk Description

The Sponsor has indicated there are multiple low water crossings in Stevenson Slough that are undersized and overtop. Proposed improvements include upsizing the culverts. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk: 0 | Structures at risk: 0 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 3.80

Scope of Study

Conduct a study to evaluate upsizing the existing culverts. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $125,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Adopt Flood Insurance Rate Maps | ID#: 101000111

Sponsor (name of entity): Brownwood (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [x] Floodplain modeling, mapping and risk assessment [ ] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Brownwood | County: Brown

Watershed name(s): Elm Creek - Pecan Bayou, Adams Branch - Pecan Bayou, Delaware Creek - Pecan Bayou

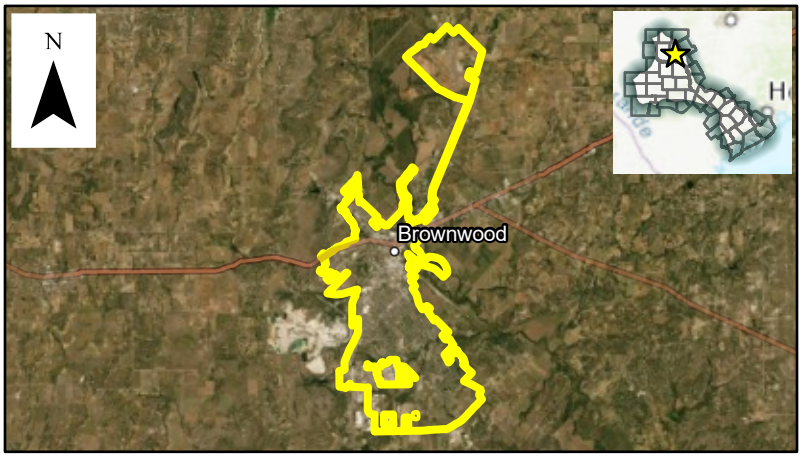
Tributary(ies): Unnamed Tributary

HUC#: 12090107 | Stream miles (est.): TBD

Drainage area: square miles, est: 14.82 | or acreage, est.: 9,482

Social vulnerability index: 0.28
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Watershed Study



Flood Risk Description

The existing floodplain maps are outdated and do not reflect current flood risk.

Population at risk: 6,731 | Structures at risk: 1,219 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 1,404 | Roadway(s) impacted (miles): 29.44

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) and will develop new floodplain maps that reflect current flood risk.

Related Goal(s)

3.1 Increase the number of entities that have updated watershed models and floodplain maps to reflect current conditions, including as applicable Atlas 14 (Volume 11) revised rainfall data. 3.3 Increase the number of entities that have digital flood insurance rate maps (DFIRMs) that reflect current conditions.

Estimated Study Cost

Cost: $250,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Willis Creek Detention | ID#: 101000112

Sponsor (name of entity): Brownwood (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Brownwood | County: Brown

Watershed name(s): Pecan Bayou

Tributary(ies): Willis Creek

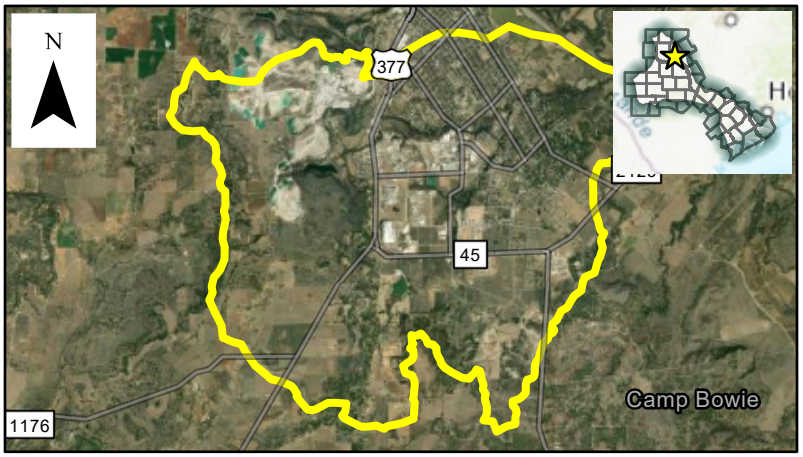
HUC#: 12090106,12090107 | Stream miles (est.): 13.00

Drainage area: square miles, est: 26.81 | or acreage, est.: 17,161

Social vulnerability index: 0.28

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Regional Detention



Flood Risk Description

The area of concern along Willis Creek has insufficient channel capacity and undersized bridge/culvert crossings. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 3,853 | Structures at risk: 758 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 1,350 | Roadway(s) impacted (miles): 14.13

Scope of Study

The study will build upon and update previously conducted flood risk reduction studies. Study will include hydrologic and hydraulic modeling, preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $250,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Burnet County Flood Early Warning Systems | ID#: 101000113

Sponsor (name of entity): Burnet (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: N/A | County: Burnet

Watershed name(s): Multiple Watersheds

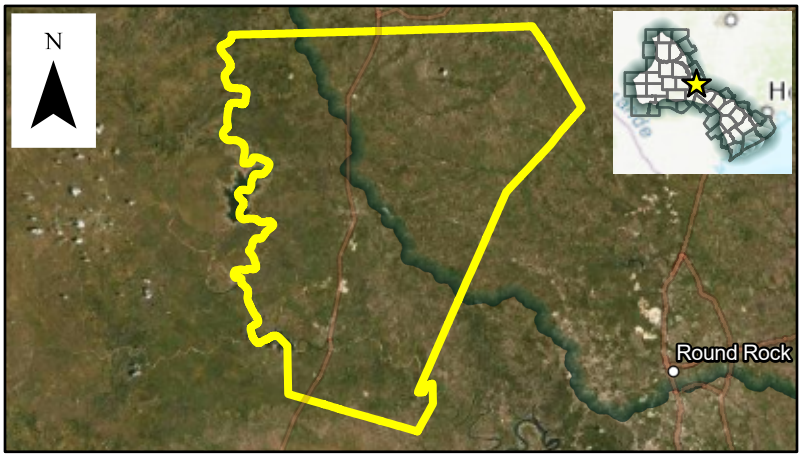
Tributary(ies): Unnamed Tributary

HUC#: 12090201,12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 1,016.05 | or acreage, est.: 650,272

Social vulnerability index: 0.19
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Install Flood Early Waning System



Flood Risk Description

The county has identified multiple roadway crossings that may be overtopped during LCRA Floodgate operations and where roadway crossing improvements are not feasible. Proposed study will identify priority crossings to receive flood warning systems or other safety improvements. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood-risk reduction to be used in evaluating projects for future funding cycles.

Population at risk: 8,505 | Structures at risk: 2,835 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 0 | Roadway(s) impacted (miles): 43.31

Scope of Study

Evaluate the type of flood early warnings system (flashers, barricades, signage) and communication systems requirements for the installation and long-term maintenance of the system. Include hydrologic and hydraulic modeling (if needed) including depth, duration and frequency of flooding, daily traffic counts, and length of detour (minutes),

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Shade Grove Flood Study | ID#: 101000114

Sponsor (name of entity): Burnet (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Burnet | County: Burnet

Watershed name(s): Headwaters Hamilton Creek

Tributary(ies): Unnamed Tributary

HUC#: 12090205,12070205 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.22 | or acreage, est.: 138

Social vulnerability index: 0.19
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Watershed Study

Flood Risk Description

The Sponsor has indicated the existing stormwater infrastructure in the study area is undersized and the area is at risk of street flooding, property flooding, and potential structural flooding. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 150 | Structures at risk: 55 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 10 | Roadway(s) impacted (miles): 0.19

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) to identify priority flood risk areas, preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Whitman Branch Bypass; Oak Ridge Drive Creek | ID#: 101000116

Sponsor (name of entity): Marble Falls (Municipality) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering

[ ] Other

Problem Area

City: Marble Falls | County: Burnet

Watershed name(s): Backbone Creek

Tributary(ies): Whitman Branch

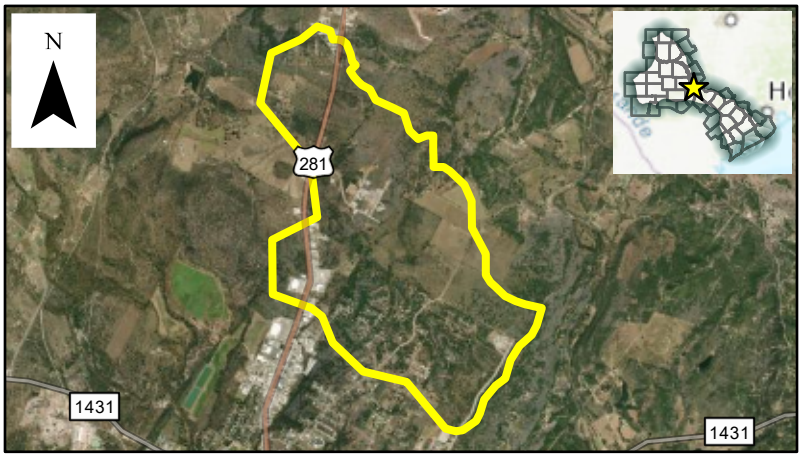
HUC#: 12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 3.60 | or acreage, est.: 2,305

Social vulnerability index: 0.19

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Roadway/Crossing Improvements / Channel Improvements



Flood Risk Description

The existing crossing is undersized and overtops, potentially impacting surrounding structures. The proposed improvements include installing a 50 foot wide bypass channel. The existing road is a 2-lane road with an average daily traffic count of 265. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk: 109 | Structures at risk: 40 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 126 | Roadway(s) impacted (miles): 0.29

Scope of Study

Conduct a study to evaluate the area. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Sandy Oaks Subdivision | ID#: 101000118

Sponsor (name of entity): Colorado (County) | Commitment: [x] Yes [ ] No

Technical committee recommend: [x] Yes [ ] No | RFPG recommend: [x] Yes [ ] No

Study Type

[ ] Emergency preparedness [ ] Floodplain modeling, mapping and risk assessment [x] Feasibility study [ ] Preliminary project engineering
[ ] Other

Problem Area

City: N/A | County: Colorado

Watershed name(s): Multiple Watersheds

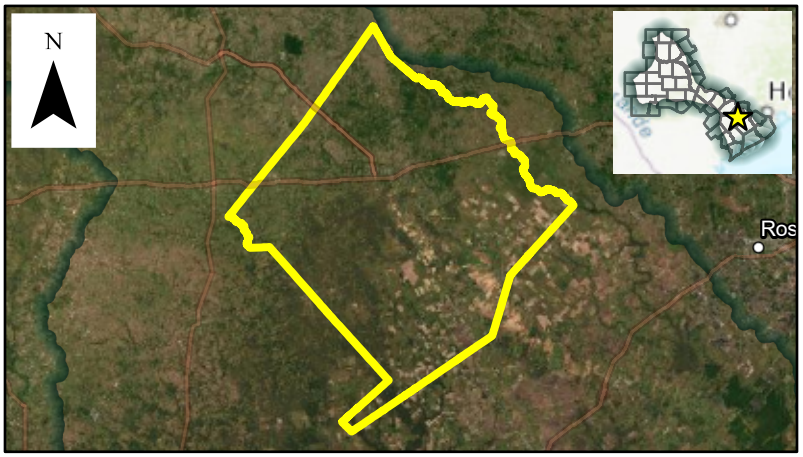
Tributary(ies): Unnamed Tributary

HUC#: 12090302,12090401 | Stream miles (est.): TBD

Drainage area: square miles, est: 970.58 | or acreage, est.: 621,174

Social vulnerability index: 0.53
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Watershed Study



Flood Risk Description

The subdivision has multiple local drainage problems and portions of the subdivision are at risk of flooding. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk: 4,259 | Structures at risk: 2,103 | Critical facilities at risk: 0

Farm/Ranch land impacted (acres): 105,662 | Roadway(s) impacted (miles): 125.76

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) to identify priority flood risk areas, preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Related Goal(s)

3.2 Increase the number of entities that have evaluated priority flood risk areas and flood risk reduction measures (e.g., alternatives analysis and preliminary engineering). 5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Study Cost

Cost: $100,000 | Potential funding source(s): TBD