APPENDIX C Fact Sheets Flood Management Evaluations



Title Citywide Storm Drain Infrastructure Modeling ID# 101000158

Sponsor (name of entity) Austin (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

Emergency preparedness x Floodplain modeling, mapping and risk assessment

Feasibility study

Preliminary project engineering

Other

Problem Area

City Austin County Travis

Watershed name(s) Multiple Watersheds

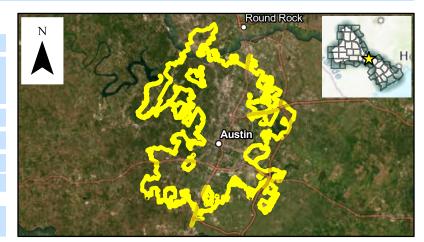
Tributary(ies) Unnamed Tributary

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

Drainage area: square miles, est 279.33 or acreage, est. 178,771

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

Other Drainage System Improvements



Flood Risk Description

1D and 2D models are needed for the entire City to evaluate and design upgrades to the existing storm drain systems. The study will update existing 1D models based on new drainage criteria and data, perform QA/QC on previously completed storm drain models, develop new 1D storm drain models for previously unstudied systems, develop 2D system models for unstudied watersheds, and update 2D system models for previously completed 2D model studies.

RFPG recommend X Yes

Population at risk 63,235

Structures at risk 5,694

Critical facilities at risk 10

Farm/Ranch land impacted (acres) 7,306

Roadway(s) impacted (miles)

111.76

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 \$12,600,000

Title Shoal Creek - Nueces St Flood Risk Reduction Project ID# 101000204

Sponsor (name of entity) Austin (Municipality) Commitment x Yes No

REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Austin

Watershed name(s)

Town Lake

Town Lake

12090205

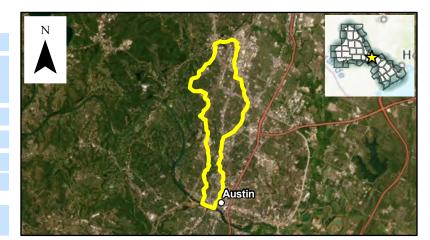
Stream miles (est.) 0.00

Drainage area: square miles, est 13.22 or acreage, est. 8,460

Social vulnerability index 0.15

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

Other



Flood Risk Description

Shoal Creek has a history of flooding including the 1981 Memorial Day Flood that killed 13 people. More recently, the 2015 Memorial Day flood resulted in widespread flooding that impacted commercial and residential structures, and local street flooding. Residents have formally requested service from the City to address 25 locations of reported house flooding, 11 locations of reported yard flooding, and 11 locations of reported street flooding. Existing risk factors are based on available data and will be better defined as part of the study. Study results will include detailed assessments of the potential risk and potential flood risk reduction to be used in evaluating the project.

Population at risk 20,785 Str

Structures at risk 653

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 52

Roadway(s) impacted (miles) 13.96

Scope of Study

Update existing study to evaluate the construction of approximately 16,000 feet of upgraded storm drain pipe and numerous new storm drain inlets throughout the area, including a large tunnel which will extend along Nueces St from Martin Luther King Jr St to 4th St. The existing study includes hydrologic and hydraulic models (with Atlas 14 rainfall), verifying no adverse impacts, preparation of cost estimate and verifying there are no potential constraints (environmental, utility conflicts, right-of-way needs, and constructability) that will prevent implementation. The study will be updated to include the required benefit-cost-analysis.

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.

Estimated Study Cost

Cost \$100,000

ID# 101000002 Shiloh Road Bridge West of State HWY 304 Sponsor (name of entity) Bastrop (County) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD PLANNING GROUP**

REGION 10

Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Bastrop Watershed Lower Colorado - Cummins name(s)

Tributary(ies) Unnamed Tributary

Technical committee recommend X Yes

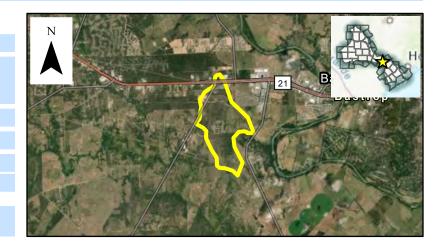
HUC# 12090301 Stream miles (est.) 1.20

Drainage area: square miles, est 1.74 or acreage, est. 1,114

Social vulnerability index 0.61

(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 is a multi-box (2) culvert. The proposed improvements include an upgrade to the subject crossing. The existing road is a 2-lane road with an average daily traffic count of 917.

Population at risk 2

Structures at risk 1

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 56

Roadway(s) impacted (miles)

0.15

Scope of Study

Conduct a study to evaluate upsizing the existing culvert 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

\$100,000

Title Willie May Way in Precinct 4 at Trib ID# 101000003

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend x Yes

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)

Tributary(ies) Unnamed Tributary

HUC# 12090301 Stream miles (est.) 0.50

Drainage area: square miles, est 0.27 or acreage, est. 173

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 existing crossing is undersized and overtops. The existing crossing is a corrugated metal pipe crossing. The proposed improvements include a multi-box (2) culvert. The existing road is a 2-lane road with an average daily traffic count of 341.

RFPG recommend X Yes

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

0.00

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

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

Title Gotier Trace Low Water Crossings ID# 101000004

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City N/A County Bastrop

Watershed Alum Creek, Gravelly Creek

Technical committee recommend x Yes

name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090301

Stream miles (est.) TBD

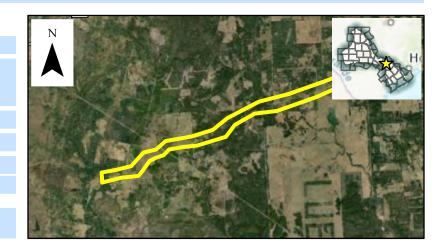
Drainage area: square miles, est 1.21

or acreage, est. 778

Social vulnerability index 0.61

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

Other Roadway/Crossing Improvements



Flood Risk Description

There are multiple low water crossings that are undersized. The proposed improvements include installing multiple box culverts at each crossing. The existing road is a 2-lane road with an average daily traffic count of 115. 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

Structures at risk 2

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 163

Roadway(s) impacted (miles)

1.34

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

Title Lakeview Drive & Tuck Street ID# 101000005

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodpl

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Bastrop

Watershed Greens Creek - Cedar Creek
name(s)

Tributary(ies) Greens Creek

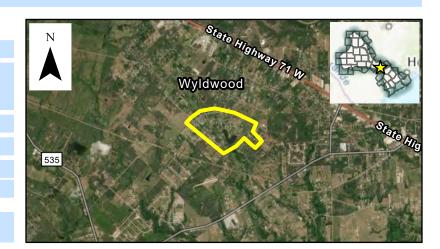
HUC# 12090301 Stream miles (est.) TBD

Drainage area: square miles, est 0.56 or acreage, est. 360

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 117

Structures at risk 47

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 62

Roadway(s) impacted (miles)

0.38

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

Title Green Valley Drive in Precinct 1 ID# 101000006

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend x Yes

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

Other

RFPG recommend X Yes

Problem Area

City N/A County Bastrop

Watershed name(s)

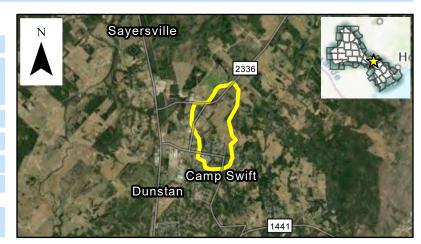
Tributary(ies) Unnamed Tributary

HUC# 12090301 Stream miles (est.) 1.00

Drainage area: square miles, est 1.35 or acreage, est. 863

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 road is a low water crossing with no method of conveyance other than over topping at this location. The proposed improvements include a box culvert-bridge. The existing road is a 2-lane road with an average daily traffic count of 841.

Population at risk 85 Structures at risk 38 Critical facilities at risk 0

Farm/Ranch land impacted (acres) 49 Roadway(s) impacted (miles) 0.33

Scope of Study

Conduct a study to evaluate the proposed culvert 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

Title Old McDade Rd in Precinct 4 near Norwood Rd ID# 101000007

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

259

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Bastrop

Watershed Lower Colorado - Cummins

Technical committee recommend X Yes

name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090301 Stream mile

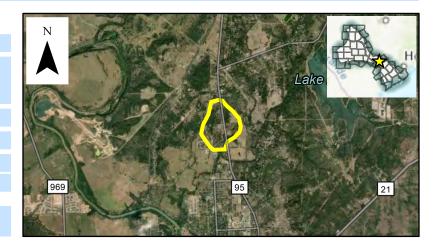
Stream miles (est.) 1.00

Drainage area: square miles, est 0.41 or acreage, est.

Social vulnerability index 0.61

(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 is a corrugated metal pipe. The proposed improvements include a box culvert replacement. The existing road is a 2-lane road with an average daily traffic count of 942.

Population at risk 6

Structures at risk 4

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 5

Roadway(s) impacted (miles)

0.12

Scope of Study

Conduct a study to evaluate upsizing the existing culvert 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

Title Clear Springs Lake Dam ID# 101000008

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Technical committee recommend x Yes

Emergency preparedness Floodplain modeling, mapping and risk assessment

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A

County Bastrop

Watershed Greens Creek - Cedar Creek
name(s)

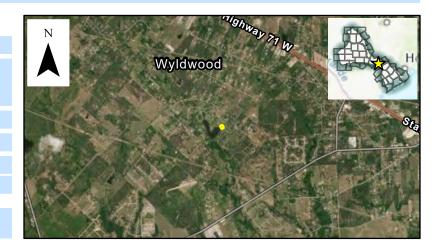
Tributary(ies) Clear Springs Lake

HUC# 12090301 Stream miles (est.) 1.00

Drainage area: square miles, est 0.00 or acreage, est. 0

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

Other Dam Improvements



Flood Risk Description

Clear Springs Lake is impounded by an earthen embankment dam with an earthen spillway. The spillway is eroding threatening downstream houses and potential breach. The dam does not appear to be regulated by the TCEQ due to size and volume and the existing flood risk is not well defined. 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.

RFPG recommend X Yes

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

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

ID# 101000009 Title **Pecan Shores Subdivision** Sponsor (name of entity) Bastrop (County) Commitment x Yes Lower Colorado-Lavaca REGIONAL FLOOD **PLANNING GROUP**

REGION 10

Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Bastrop Watershed Willow Creek - Colorado River

name(s)

Technical committee recommend X Yes

Tributary(ies) Unnamed Tributary

HUC# 12090301

Stream miles (est.) TBD

Drainage area: square miles, est 0.05

29

or acreage, est.

Social vulnerability index 0.61

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

Other Voluntary buyout of homes in 100-year FP (48 homes)



Flood Risk Description

There are up to 48 flood prone properties on/near Pecan Shores Drive that are within the 100-year floodplain and subject to repetitive loss.

Population at risk 31

Structures at risk 12

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 18

Roadway(s) impacted (miles)

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify eligible property owners.

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

\$150,000

Title Hidden Shores Subdivision ID# 101000010

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Bastrop

Watershed Willow Creek - Colorado River, Little Piney Creek - Colorado name(s) River

Tributary(ies) Unnamed Tributary

HUC# 12090301 Stream miles (est.) TBD

Drainage area: square miles, est 0.14 or acreage, est. 89

Social vulnerability index 0.61

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

Other Voluntary buyout of homes in floodway (22 homes)



Flood Risk Description

There are up to 22 flood prone properties on/near Hidden Shores Loop that are within the 100-year floodplain and subject to repetitive loss.

Population at risk 98

Structures at risk 39

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 68

Roadway(s) impacted (miles)

1.13

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify eligible property owners.

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 \$150,000

ID# 101000011 Title Waters Edge Terrace Subdivision Sponsor (name of entity) Bastrop (County) Commitment x Yes Lower Colorado-Lavaca REGIONAL FLOOD **PLANNING GROUP**

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Bastrop

Watershed Coleman Branch - Colorado River name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090301

Stream miles (est.) TBD

Drainage area: square miles, est 0.05

or acreage, est.

34

Social vulnerability index 0.61

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

Other Voluntary buyout of homes in 100-year FP (12 homes)



Flood Risk Description

There are up to 12 flood prone properties on/near Waters Edge Terrace Drive that are within the 100-year floodplain and subject to repetitive loss.

Population at risk 121

Structures at risk 43

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 18

Roadway(s) impacted (miles)

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify eligible property owners.

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

\$100,000

Title Old Sayers Rd & Little Sandy Creek ID# 101000012

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Bastrop

Watershed Lower Colorado - Cummins name(s)

Tributary(ies) Big Sandy Creek

HUC# 12090301 Stream miles (est.) 1.50

Drainage area: square miles, est 0.63 or acreage, est. 400

Social vulnerability index 0.61 (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 is a multiple box culvert. The proposed improvements include upgrades to the existing crossing. The existing road is a 2-lane road with an average daily traffic count of 115.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 105

Roadway(s) impacted (miles)

0.19

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

Title Paffen Rd & Grassy Creek Draw ID# 101000013

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend x Yes

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)

Tributary(ies) Unnamed Tributary

HUC# 12090301 Stream miles (est.) 1.25

Drainage area: square miles, est 1.01 or acreage, est. 647

Social vulnerability index 0.61
(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 is a corrugated metal pipe crossing. The proposed improvements include a multi-box (2) culvert. The existing road is a 2-lane road with an average daily traffic count of 24.

RFPG recommend X Yes

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

0.05

Farm/Ranch land impacted (acres) 39

Roadway(s) impacted (miles)

Scope of Study

Conduct a study to evaluate upsizing the existing culvert 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

Title Meduna Rd & Barton Oaks Draw 1 ID# 101000014

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodplain modeling

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Bastrop

Watershed Lower Colorado - Cummins
name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090301 Stream miles

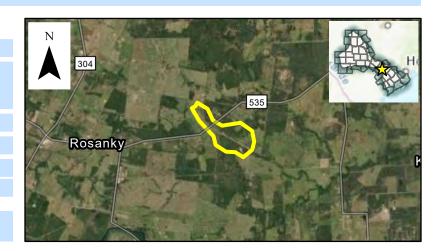
Stream miles (est.) 0.38

Drainage area: square miles, est 0.44 or acreage, est. 283

Social vulnerability index 0.61

(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. There does not appear to be an existing culvert or 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 65.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 2

Roadway(s) impacted (miles)

0.06

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

Title Pine Canyon Dr & Wet Weather Creek ID# 101000015

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

or acreage, est.

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Flo

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

126

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Bastrop

Watershed name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090301 Stream miles (est.) 0.66

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

Other Roadway/Crossing Improvements & Storm Drainage System



Flood Risk Description

Drainage area: square miles, est 0.20

Social vulnerability index 0.61

The existing crossing is undersized and overtops. The existing crossing is a corrugated metal pipe crossing. The proposed improvements include a multi-box (2) culvert. The existing road is a 2-lane road with an average daily traffic count of 230.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

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

Title Hall Rd & Young's Branch ID# 101000016

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodp

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Bastrop

Watershed Lower Colorado - Cummins name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090301 Stream miles (est.) 0.65

Drainage area: square miles, est 0.59 or acreage, est. 380

Social vulnerability index 0.61

(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 is a multiple box culvert. The proposed improvements include an upgrade of the subject crossing. The existing road is a 2-lane road with an average daily traffic count of 11.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 2

Roadway(s) impacted (miles)

0.05

Scope of Study

Conduct a study to evaluate upsizing the existing culvert 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

Title Friendship Rd & Turner Creek A and B ID# 101000017

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodplai

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A

County Bastrop

Watershed Lower Colorado - Cummins name(s)

Tributary(ies) Unnamed Tributary

HUC# 12070102,12090301 Stream miles (est.) 2.70

Drainage area: square miles, est 2.47 or acreage, est. 1,580

Social vulnerability index 0.61

(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 is a single box culvert. The proposed improvements include a multi-box (3) culvert. The existing road is a 2-lane road with an average daily traffic count of 38.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 209

Roadway(s) impacted (miles)

0.14

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

Title Patterson Rd & Barton's Creek ID# 101000018

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Bastrop

Watershed Lower Colorado - Cummins
name(s)

Tributary(ies) Barton's Creek

HUC# 12100202,12090301 Stream miles (est.) 1.00

Drainage area: square miles, est 6.82 or acreage, est. 4,363

Social vulnerability index 0.61

(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 is a wooden bridge. The proposed improvements include a multi-box (2) culvert. The existing road is a 2-lane road with an average daily traffic count of 39.

Population at risk 3

Structures at risk 1

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 480

Roadway(s) impacted (miles)

0.11

Scope of Study

Conduct a study to evaluate upsizing the existing 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

ID# 101000019 Title Upper Elgin River Rd & Cotton Creek Sponsor (name of entity) Bastrop (County) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD PLANNING GROUP**

REGION 10

Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Bastrop Watershed Lower Colorado - Cummins name(s)

Tributary(ies) Unnamed Tributary

Technical committee recommend x Yes

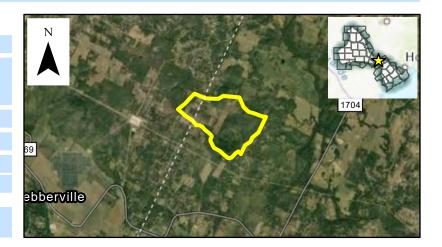
HUC# 12090301 Stream miles (est.) 0.50

Drainage area: square miles, est 1.12 or acreage, est. 714

Social vulnerability index 0.61

(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 is a corrugated metal pipe. The proposed improvements include a multi-box (2) culvert. The existing road is a 2-lane road with an average daily traffic count of 398.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 32

Roadway(s) impacted (miles)

0.06

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

\$100,000

Title Old Sayers Rd & Big Sandy Creek ID# 101000020

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend x Yes

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)

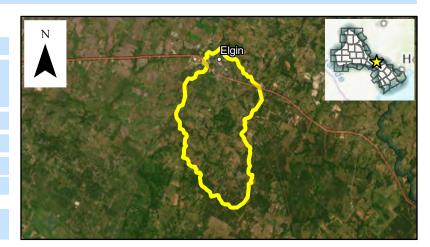
Tributary(ies) Little Sandy Creek

HUC# 12090301 Stream miles (est.) TBD

Drainage area: square miles, est 19.50 or acreage, est. 12,482

Social vulnerability index 0.61
(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 is a corrugated metal pipe. The proposed improvements include a multi-box (2) culvert-bridge. The existing road is a 2-lane road with an average daily traffic count of 251.

RFPG recommend X Yes

Population at risk 263

Structures at risk 90

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 894

Roadway(s) impacted (miles)

2.32

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

Title Caldwell Rd & Wet Weather Creek ID# 101000021

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend x Yes

Emergency preparedness Floodplain modeling, mapping and risk assessment

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Bastrop

Watershed Lower Colorado - Cummins name(s)

Tributary(ies) Cedar Creek

HUC# 12090301 Stream miles (est.) 0.50

Drainage area: square miles, est 0.33 or acreage, est. 210

Social vulnerability index 0.61 (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 is a corrugated metal pipe. The proposed improvements include a multi-box (2) culvert. The existing road is a 2-lane road with an average daily traffic count of 411.

RFPG recommend X Yes

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 7

Roadway(s) impacted (miles)

0.06

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

Title FM 812 at Alum Creek South ID# 101000028

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City N/A County Bastrop

Watershed Alum Creek - Walnut Creek

Technical committee recommend x Yes

name(s)

Tributary(ies) Alum Creek

HUC# 12090301

Stream miles (est.) TBD

Drainage area: square miles, est 1.21 or a

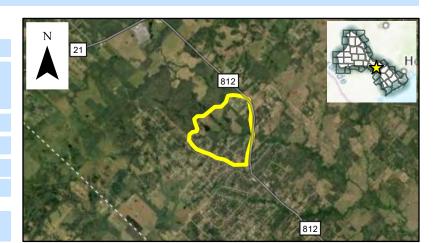
or acreage, est. 772

C4

Social vulnerability index 0.61

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

Other Roadway/Crossing Improvements & Channel Improvements



Flood Risk Description

The existing crossings are undersized and overtop. The existing crossing is a bridge. The proposed improvements include construction of a 100 foot bridge and 1,700 feet of channel modifications. The existing main stem road is a 2-lane road with an average daily traffic count of 9,088. 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

Structures at risk 1

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 28

Roadway(s) impacted (miles)

0.08

Scope of Study

Conduct a study to evaluate upsizing the existing low water crossings and channel modifications. 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

Title Drainage System Improvements - JC Madison Addition ID# 101000103

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

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 Wilbarger Bend, Colorado River, Lower Wilbarger Creek, Big

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

Technical committee recommend X Yes

name(s) Sandy Creek - Colorado River



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.

RFPG recommend X Yes

Population at risk 262

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

Title Alum Creek - Tributary 8, Bowie Drive ID# 101000125

Sponsor (name of entity) Bastrop (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

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)

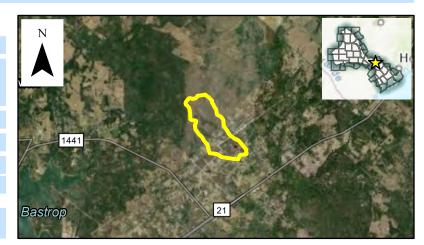
Tributary(ies) Price Creek

HUC# 12090301 Stream miles (est.) TBD

Drainage area: square miles, est 0.67 or acreage, est. 428

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 existing crossing is undersized and overtops. The existing crossing consists of multiple corrugated metal pipes. The proposed improvements include replacing the pipes with a larger multi-box culvert. The existing road is a 2-lane road with an average daily traffic count of 320. 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.

RFPG recommend X Yes

Population at risk 0 Structures at risk 0 Critical facilities at risk 0

Farm/Ranch land impacted (acres) 6 Roadway(s) impacted (miles) 0.02

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

Title Update and Maintain Emergency Management Plan ID# 101000105

Sponsor (name of entity) Blanco (County) Commitment x Yes

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

x Emergency preparedness Floodplain model

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Blanco

Watershed name(s)

County Blanco

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 800

Structures at risk 294

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 25,478

Roadway(s) impacted (miles)

5.93

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

Title Various Locations - Upgrade Low Water Crossings ID# 101000106

Sponsor (name of entity) Blanco (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Blanco

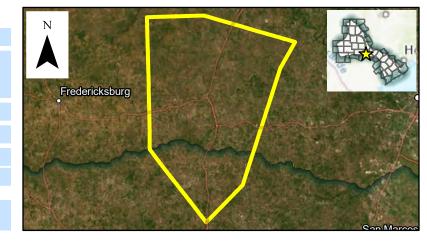
Watershed name(s)

Tributary(ies) Unnamed Tributary

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

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

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



Flood Risk Description

Social vulnerability index 0.07

Other Roadway/Crossing Improvements

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.

RFPG recommend X Yes No

Population at risk 800

Structures at risk 294

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 25,478

Roadway(s) impacted (miles)

5.93

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

ID# 101000137 CR257 at Pecan Bayou (Tenmile Crossing) Sponsor (name of entity) Brown (County) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Brown

Watershed Double Creek - Pecan Bayou name(s)

Technical committee recommend X Yes

Tributary(ies) Pecan Bayou

HUC# 12090107 Stream miles (est.) TBD

Drainage area: square miles, est 0.00

or acreage, est.

Social vulnerability index 0.28

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

Other Roadway/Crossing Improvements / Channel Improvements



Flood Risk Description

The existing bridge is undersized and overtops. The proposed improvements will upgrade the bridge based on the Texas Department of Transportation Hydraulic Design Manual. The existing road is a 2-lane road with an average daily traffic count of 175. 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)

0.05

Scope of Study

Conduct a study to evaluate the 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

\$100,000

Title Magnolia St ID# 101000029

Sponsor (name of entity) Brownwood (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Brownwood County Brown

Watershed Delaware Creek - Pecan Bayou

name(s)

Tributary(ies) Willis Creek

HUC# 12090107

Stream miles (est.) TBD

Drainage area: square miles, est 0.07

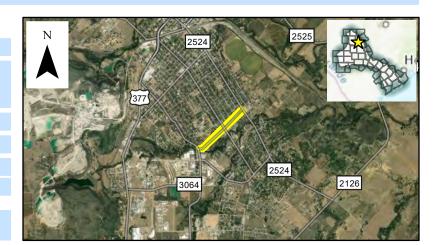
or acreage, est.

48

Social vulnerability index 0.28

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

Other Roadway/Crossing Improvements & Channel Improvements



Flood Risk Description

The existing roadside ditch and culvert are undersized resulting in localized flooding and roadway overtopping. Proposed improvements include improvements to the ditch and culvert. The existing main stem road is a 2-lane road with an average daily traffic count of 5,804. 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 280

Structures at risk 27

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 7

Roadway(s) impacted (miles)

0.66

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)

6.2 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

ID# 101000111 Title Adopt Flood Insurance Rate Maps Sponsor (name of entity) Brownwood (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD PLANNING GROUP**

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

x Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes No

Feasibility study

Preliminary project engineering

Other

Problem Area

City Brownwood

County Brown

Watershed Elm Creek - Pecan Bayou, Adams Branch - Pecan Bayou, name(s) 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 6,923

Structures at risk 1,220

Critical facilities at risk 2

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

\$250,000

Title Willis Creek Detention ID# 101000112

Sponsor (name of entity) Brownwood (Municipality) Commitment x Yes No

REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

Emergency preparedness Floodplain modeling, mapping and risk assessment

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Brownwood

Watershed Pecan Bayou name(s)

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.

RFPG recommend X Yes

Population at risk 3,955

Structures at risk 758

Critical facilities at risk 1

14.13

Farm/Ranch land impacted (acres) 1,350

Roadway(s) impacted (miles)

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

Title Delaware Creek Flood Study ID# 101000160

Sponsor (name of entity) Brownwood (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

x Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

Preliminary project engineering

Other

Problem Area

City Brownwood County Brown

Watershed name(s)

Tributary(ies) Delaware Creek

HUC# 12090107 Stream miles (est.) TBD

Drainage area: square miles, est 10.50 or acreage, est. 6,718

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

Other Watershed Study



Flood Risk Description

The area has multiple local drainage problems and portions of the region are at risk of flooding. 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 91

Structures at risk 54

Critical facilities at risk 0

2.21

Farm/Ranch land impacted (acres) 760

Roadway(s) impacted (miles)

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 \$150,000

Title City of Buda Garlic Creek Culvert ID# 101000153

Sponsor (name of entity) Buda (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodplain modeling

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Buda County Hays

Watershed Mustang Branch - Onion Creek
name(s)

Tributary(ies) Garlic Creek

HUC# 12090205 Stream miles (est.) TBD

Drainage area: square miles, est 4.42 or acreage, est. 2,831

Social vulnerability index 0.17

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

Other Roadway/Crossing Improvements & Channel Improvements



Flood Risk Description

The existing culvert on RM967 near Garlic Creek is undersized and the roadway overtops. The existing box culvert was not upgraded when the road was reconstructed. The study will evaluate the crossing for possible upsizing of the culvert. The existing road is a 2-lane road with an average daily traffic count of 17,400. 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 28 Structures at risk 16 Critical facilities at risk 0

Farm/Ranch land impacted (acres) 195 Roadway(s) impacted (miles) 0.38

Scope of Study

Conduct a study to evaluate upsizing the existing culvert 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)

6.1 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

Title Dam Emergency Action Plan ID# 101000138

Sponsor (name of entity) Burnet (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

x Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

Preliminary project engineering

Other

Problem Area

City Burnet County Burnet

Watershed Clear Creek - Inks Lake, Headwaters Hamilton Creek name(s)

Tributary(ies) Unnamed Tributary

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

Drainage area: square miles, est 10.79 or acreage, est. 6,906

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 has identified the need to develop/update an emergency action plan for the safety of the community.

Population at risk 861

Structures at risk 187

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 589

Roadway(s) impacted (miles)

4.18

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 \$50,000

Title Wastewater Treatment Plant Flood Study ID# 101000159

Sponsor (name of entity) Burnet (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodp

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Burnet County Burnet

Watershed Headwaters Hamilton Creek

name(s)

Tributary(ies) Hamilton Creek

HUC# 12090205 Strea

Stream miles (est.) TBD

Drainage area: square miles, est 0.06

or acreage, est. 37

Social vulnerability index 0.19

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

Other Watershed Study



Flood Risk Description

The plant is located within, and may be impacted by, the 100-year floodplain of Hamilton Creek and/or Headwaters of Hamilton Creek. The area has existing local drainage problems and has experienced excessive flow depth and velocity. 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 3

Structures at risk 3

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 12

Roadway(s) impacted (miles)

0.15

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). 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

Title VFW Flood Study ID# 101000161

Sponsor (name of entity) Burnet (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Burnet

County Burnet

Watershed Headwaters Hamilton Creek
name(s)

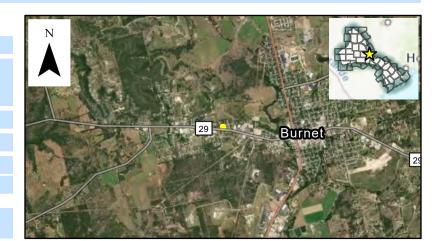
Tributary(ies) Unnamed Tributary

HUC# 12090205 Stream miles (est.) TBD

Drainage area: square miles, est 0.00 or acreage, est. 1

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

Other Watershed Study



Flood Risk Description

The area has local drainage problems and is at risk of flooding. The building is located adjacent to the 100-year floodplain and has experienced 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 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

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

Title Sandy Oaks Subdivision ID# 101000118

Sponsor (name of entity) Colorado (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

Emergency preparedness Floodplain modeling, mapping and risk assessment

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A

Watershed name(s)

Multiple Watersheds
name(s)

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.

RFPG recommend X Yes No

Population at risk 5,105

Structures at risk 2,103

Critical facilities at risk 6

Farm/Ranch land impacted (acres) 105,662

Roadway(s) impacted (miles)

118.81

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

ID# 101000059 Title Repair of Little Barton Creek Dam Sponsor (name of entity) Dripping Springs (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Dripping Springs

County Hays

Watershed Headwaters Barton Creek

name(s)

Tributary(ies) Little Barton Creek

HUC# 12090205

Stream miles (est.) 0.50

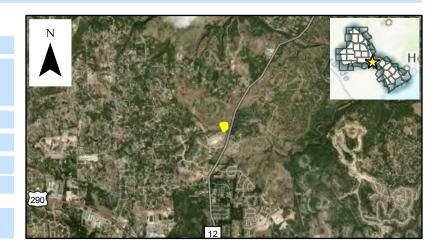
Drainage area: square miles, est 0.00

or acreage, est. 2

Social vulnerability index 0.17

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

Other Dam Improvements



Flood Risk Description

Dripping Springs Park Dam is a small earthen embankment dam with earthen spillway upstream of HWY 12. The dam does not appear to be regulated by the TCEQ due to size and volume and the existing flood risk is not well defined. 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. The Sponsor has identified the need to work with FEMA to evaluate and remediate the dam.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 2

Roadway(s) impacted (miles)

0.00

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, rightof-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

\$100,000

Title Citywide Floodplain Map Update ID# 101000162

Sponsor (name of entity) East Bernard (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness x Floodplain mo

Technical committee recommend X Yes

x Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

Preliminary project engineering

Other

Problem Area

City East Bernard County Wharton

Watershed Boone Branch - San Bernard River name(s)

Tributary(ies) Britt Branch, San Bernard River

HUC# 12090401 Stream miles (est.) TBD

Drainage area: square miles, est 3.78 or acreage, est. 2,419

Social vulnerability index 0.81

(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 386

Structures at risk 158

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 253

Roadway(s) impacted (miles)

4.14

Scope of Study

The Citywide 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

ID# 101000062 Title MLK Blvd to Mexico Street Sponsor (name of entity) Edna (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

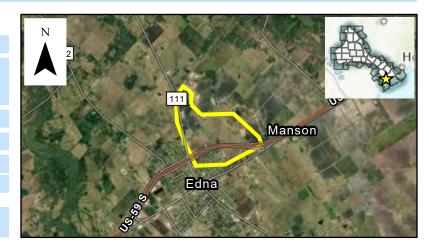
x Feasibility study

Preliminary project engineering

Other

Problem Area

City Edna County Jackson Watershed Lavaca name(s) 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 922

Structures at risk 223

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 170

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

\$100,000

Title Stormwater Diversion Project ID# 101000063

Sponsor (name of entity) Edna (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Edna County Jackson
Watershed Post Oak Branch - Dry Creek
name(s)

Tributary(ies) Dry Creek

IUC# 12100101,12100102 St

Stream miles (est.) TBD

Drainage area: square miles, est 4.06

or acreage, est.

st. 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 2,863

Structures at risk 1,223

Critical facilities at risk 2

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

Title Wastewater Treatment Plant Floodproofing ID# 101000127

Sponsor (name of entity) Edna (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend x Yes

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, Post Oak Branch

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.)



Flood Risk Description

Other Local Plans & Regulations

The wastewater treatment plant experiences flooding during low frequency rain events. The Sponsor has identified the need to floodproof the existing wastewater treatment plant. Study results will provide a more detailed assessment of existing flood and potential flood risk. Study will determine if flood proofing will provide mitigation required or if structural mitigation will be required.

RFPG recommend X Yes

Population at risk 2,863

Structures at risk 1,223

Critical facilities at risk 2

Farm/Ranch land impacted (acres) 137

Roadway(s) impacted (miles)

26.26

Scope of Study

If structural flood mitigation, other than flood proofing, is required then the 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 \$200,000

ID# 101000188 City-wide Drainage Master Plan (integrate with Dry Creek Study)

Commitment x Yes

REGIONAL FLOOD PLANNING GROUP

Lower Colorado-Lavaca

REGION 10

Sponsor (name of entity) Edna (Municipality)

Technical committee recommend x Yes

RFPG recommend X Yes

Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Edna County Jackson

Watershed Post Oak Branch - Dry Creek

name(s)

Tributary(ies) Dry Creek

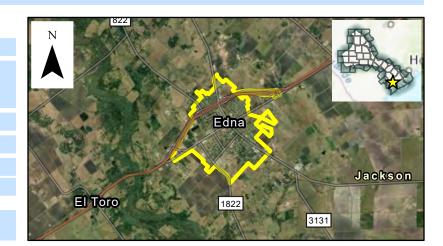
12100101,12100102 Stream miles (est.) TBD

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 Watershed Study



Flood Risk Description

The area has multiple local drainage problems and portions of the region are at risk of flooding. 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 2,863

Structures at risk 1,223

Critical facilities at risk 2

Farm/Ranch land impacted (acres) 137

Roadway(s) impacted (miles) 26.26

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

\$250,000

Title Tres Palacios, Blue Creek, East Mustang Creek

Sponsor (name of entity) El Campo (Municipality)

Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness x Flood

Technical committee recommend X Yes

x Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

Preliminary project engineering

Other

Problem Area

City El Campo

County Wharton

Watershed Tres Palacios River - Frontal Tres Palacios Bay, Mud Creek - name(s) 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 6,235

Structures at risk 1,589

Critical facilities at risk 1

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

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

Sponsor (name of entity) El Campo (Municipality) Commitment x Yes

Commitment x Yes No

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

x Emergency preparedness

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

Preliminary project engineering

Other

Problem Area

City El Campo

County Wharton

Watershed Tres Palacios River - Frontal Tres Palacios Bay, Mud Creek - name(s) 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 6,235

Structures at risk 1,589

Critical facilities at risk 1

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

Title Pecan Street ID# 101000100

Sponsor (name of entity) El Campo (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

HUC#

Problem Area

City El Campo County Wharton

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

Tributary(ies) Unnamed Tributary

Drainage area: square miles, est 0.00

Stream miles (est.) TBD

or acreage, est.

Social vulnerability index 0.81

12100401

(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 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

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

ID# 101000101 Title Town & Country Drive Sponsor (name of entity) El Campo (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City El Campo County Wharton

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

Tributary(ies) Unnamed Tributary

12100401 HUC#

Stream miles (est.) TBD

Drainage area: square miles, est 0.00

or acreage, est.

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 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

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, rightof-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

\$100,000

ID# 101000210 City of El Campo Drainage Master Plan Update Sponsor (name of entity) El Campo (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City El Campo County Wharton

Technical committee recommend x Yes

Watershed Lower Colorado, Central Matagorda Bay, Navidad name(s)

Tributary(ies) Blue Creek, Tres Palacios, East Mustang Creek

12100102,12090302 Stream miles (est.) 102.50

Drainage area: square miles, est 33.45 or acreage, est. 21,408

Social vulnerability index 0.64

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

Other



Flood Risk Description

El Campo was flooded severely in 2004 and the city of El Campo has been working to resolve issues. US 59 By-Pass acts like a dam holding flood waters back into town. The area has multiple local drainage problems including local street floods with 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 6,948

Structures at risk 1,820

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 5,707

Roadway(s) impacted (miles)

45.23

Scope of Study

The master plan completed for the City of El Campo in 2004 and needs to be updated. Study will include a drainage master plan for the urban center of El Campo using InfoWorks ICM and a restudy of upper Blue Creek using HEC RAS 1D/2D. This also includes Tres Palacios Tributary 6 Channel improvements and Regional Detention. Study scope will include hydrologic and hydraulic modeling (with Atlas14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimate and 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

\$612,500

Title Taylor Lane Drainage Improvements ID# 101000155

Sponsor (name of entity) Elgin (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodplain modeling, mapping and risk assessment

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Elgin County Bastrop

Watershed Elm Creek - Dry Creek, Little Sandy Creek, Little Sandy Creek - name(s) Big Sandy Creek

Tributary(ies) Burlson Creek

Technical committee recommend X Yes

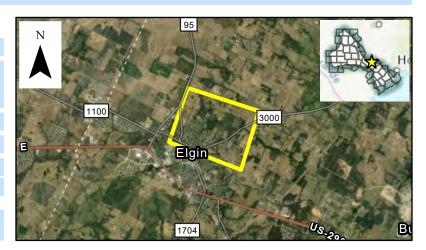
HUC# 12090301 Stream miles (est.) TBD

Drainage area: square miles, est 2.09 or acreage, est. 1,340

Social vulnerability index 0.61

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

Other Roadway/Crossing Improvements & Channel Improvements



Flood Risk Description

The sponsor has indicated the existing stormwater infrastructure in the study area (northeastern part of the City) 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.

RFPG recommend X Yes

Population at risk 53 Structures at risk 14

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 112

Roadway(s) impacted (miles) 0.18

Scope of Study

Conduct a study to evaluate the study 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

Title Storm Water Detention at Morris Park ID# 101000156

Sponsor (name of entity) Elgin (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

Emergency preparedness Floodplain modeling, mapping and risk assessment

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Elgin County Bastrop

Watershed Little Sandy Creek
name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090301 Stream miles (est.) TBD

Drainage area: square miles, est 0.17 or acreage, est. 107

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

Other Regional Detention



Flood Risk Description

The City has identified the need for additional stormwater storage to reduce the flood risk to the surrounding areas. 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.

RFPG recommend X Yes

Population at risk 0 Structures at risk 0 Critical facilities at risk 0

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

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.

Estimated Study Cost

Cost \$150,000

ID# 101000119 Title Frisch Auf Buyout Sponsor (name of entity) Fayette (County) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD PLANNING GROUP**

REGION 10

Study Type

Technical committee recommend x Yes

Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

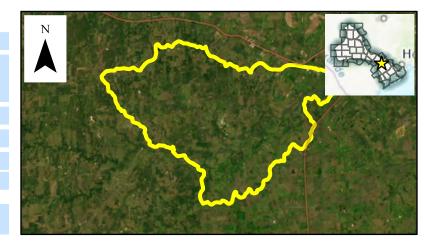
x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Fayette Watershed Lower Buckners Creek name(s) Tributary(ies) Unnamed Tributary HUC# 12090301,12100102 Stream miles (est.) TBD Drainage area: square miles, est 54.14 or acreage, est. 34,649 Social vulnerability index 0.11 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)



Flood Risk Description

Other Voluntary buyout

There are multiple flood prone properties that are within the 100-year floodplain may be subject to repetitive loss.

Population at risk 140

Structures at risk 91

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 5,823

Roadway(s) impacted (miles)

4.00

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify eligible property owners and if the properties 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

\$100,000

Title Flood Proof Wastewater Treatment Plants ID# 101000120

Sponsor (name of entity) Flatonia (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Flatonia County Fayette

Watershed Mulberry Creek - West Navidad River

name(s)

Tributary(ies) Unnamed Tributary

HUC# 12100202,12100102 Stream miles (est.) TBD

Drainage area: square miles, est 1.67 or acreage, est. 1,071

Social vulnerability index 0.11

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

Other Local Plans & Regulations



Flood Risk Description

The wastewater treatment plant experiences flooding during low frequency rain events. The Sponsor has identified the need to floodproof the existing wastewater treatment plant. Study results will provide a more detailed assessment of existing flood and potential flood risk. Study will determine if flood proofing will provide mitigation required or if structural mitigation will be required.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

Scope of Study

If structural flood mitigation, other than flood proofing, is required then the 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

Title Various Streets - Install Flood Early Warning Systems ID# 101000121

Sponsor (name of entity) Fort Bend (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

Emergency preparedness Floodplain modeling, mapping and risk assessment

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Fort Bend

Watershed name(s)

Multiple Watersheds

Tributary(ies) Unnamed Tributary

HUC# 12090401,12070104 Stream miles (est.) TBD

Drainage area: square miles, est 882.72 or acreage, est. 564,943

Social vulnerability index 0.09

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

Other Install Flood Early Waning System



Flood Risk Description

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

RFPG recommend X Yes

Population at risk 1,060

Structures at risk 582

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 15,359

Roadway(s) impacted (miles)

26.03

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 \$150,000

Title 800 Block W San Antonio ID# 101000038

Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodplain n

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Fredericksburg County Gillespie

Watershed name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090206 Stream miles (est.) TBD

Drainage area: square miles, est 0.00 or acreage, est. 1

Social vulnerability index 0.1

(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. The existing crossing is a multi-box (2) crossing. The proposed improvements include channels and drop structures. The existing road is a 2-lane road with an average daily traffic count of 510. 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)

0.00

Scope of Study

Conduct a study to evaluate upsizing the existing culvert 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 \$50,000

Title South End of Acorn Street ID# 101000039

Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodplain

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Fredericksburg County Gillespie

Watershed Barons Creek
name(s)

Tributary(ies) Barons Creek

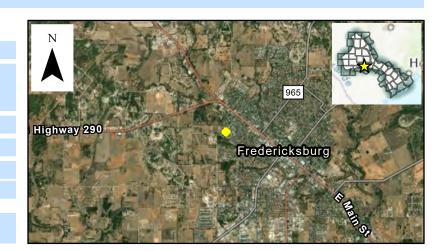
HUC# 12090206 Stream miles (est.) 0.10

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

Social vulnerability index 0.1

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

Other Channel Improvements



Flood Risk Description

There is a lack of conveyance from Acorn Street to Barons Creek. Stormwater runs off public right-of-way through private property and is creating local flooding issues as well as eroding the left bank of the Creek. The existing risk indicators are based on available data and will be better defined as part of the study. Study results would 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) 0.00

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

Title Bowie & Peach Street ID# 101000042

Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Fredericksburg County Gillespie

Watershed name(s)

Tributary(ies) Barons Creek

HUC# 12090206 Stream miles (est.) TBD

Drainage area: square miles, est 0.06 or acreage, est. 36

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

Us Highway 290 Fredericksburg

Flood Risk Description

Social vulnerability index 0.1

Other Drainage System Improvements

The storm sewer system and curb inlets need to be upgraded to include two 36" RCPs. 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)

0.00

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

Title Barons Creek Watershed - Southwest City ID# 101000043

Sponsor (name of ent ty) Fredericksburg (Municipality) Commitment x Yes No.

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical commit ee recommend X Yes No

Floodplain modeling, mapping and risk assessment

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Fredericksburg

County Gillespie

Watershed Pedernales

name(s)

Tributary(ies) Barons Creek

HUC# 12090206

Stream miles (est.) 1.55

1.00

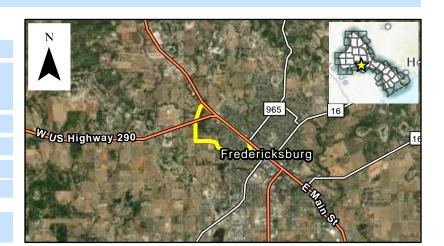
Drainage area: square miles, est 0.47

or acreage, est. 301

Social vulnerability index 0.1

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

Other Drainage System and Roadway/Crossing Improvements



Flood Risk Descript on

This study evolved out of the previous Edison Street at Barons Creek Study. The project was ident fed based on staf knowledge and was intended to reduce local street fooding, mobility, with possible structural risk reduct on. The project was evaluated under Task 12 of the planning process. A 2D rain-on-grid model was developed to analyze proposed local drainage improvements and related alternatives. Due to the limited local food risk reduct on benefits, the city amended the action to include a broader study area to evaluate potential drainage system and/or roadway improvements for the residential areas upstream of Milam Street.

RFPG recommend X Yes No

Populat on at risk 13

Structures at risk 9

Crit cal facilites at risk 0

Farm/Ranch land impacted (acres) 42

Roadway(s) impacted (miles)

0.00

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduct on analysis, verification of no adverse impact, preparation of cost estimate and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conficts, 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 food mitigation project.

Est mated Study Cost

Cost \$150,000

ID# 101000044 Title 112 W Park Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Fredericksburg

County Gillespie

Watershed Barons Creek

name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090206

Stream miles (est.) 0.10

Drainage area: square miles, est 0.00

or acreage, est.

Social vulnerability index 0.1

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

Other Channel Improvements



Flood Risk Description

There is a lack of conveyance from Park Street to Barons Creek. Stormwater runs off public right-of-way through private property and is creating local flooding issues as well as eroding the left bank of the Creek. 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)

0.00

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, rightof-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

\$50,000

ID# 101000048 Title Trailmoor near Llano Hwy Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Fredericksburg

County Gillespie

Watershed Barons Creek

name(s)

Tributary(ies) Town Creek

HUC# 12090206 Stream miles (est.) TBD

Drainage area: square miles, est 0.26

or acreage, est.

168

Social vulnerability index 0.1

(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 218

Structures at risk 11

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 12

Roadway(s) impacted (miles)

0.00

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, rightof-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

\$250,000

Title Drainage Channel near EMS Building ID# 101000050

Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Fredericksburg County Gillespie

Watershed Muesebach Creek - Pedernales River

name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090206 Stream miles (est.) 0.50

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

Social vulnerability index 0.1

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

Other Channel Improvements/erosion protection



Flood Risk Description

There is existing erosion along the Pedernales River Tributary 2 near the City's Emergency Management System building that is threatening utilities servicing the building and nearby residential structures. 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)

0.00

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

Title Bob White Trail ID# 101000051

Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodplain modelin

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Fredericksburg County Gillespie

Watershed Muesebach Creek - Pedernales River name(s)

Technical committee recommend X Yes

Tributary(ies) Unnamed Tributary

HUC# 12090206 Stream miles (est.) TBD

Drainage area: square miles, est 0.01 or acreage, est. 4

Social vulnerability index 0.1

(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 is a corrugated metal pipe crossing. The proposed improvements include a multi-pipe (2) culvert. 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 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

Scope of Study

Conduct a study to evaluate upsizing the existing culvert 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 \$50,000

Title N Edison Low Water Crossing ID# 101000053

Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes No

REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodplain

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Fredericksburg County Gillespie

Watershed name(s)

Tributary(ies) Town Creek

HUC# 12090206 Stream miles (est.) TBD

Drainage area: square miles, est 0.00 or acreage, est. 0

Social vulnerability index 0.1

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

Other Roadway/Crossing Improvements and Install Flood Early Waning



Flood Risk Description

The existing crossing is undersized and overtops. The existing crossing is a single pipe culvert. The proposed improvements include redesigning the intersection and installing FEWS. 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 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

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)

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 \$15,000

Title Schubert Low Water Crossing ID# 101000054

Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

Emergency preparedness Floodplain modeling, mapping and risk assessment

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Fredericksburg County Gillespie

Watershed name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090206 Stream miles (est.) TBD

Drainage area: square miles, est 2.43 or acreage, est. 1,556

Social vulnerability index 0.1 (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. The existing crossing consists of a single pipe culvert. The proposed improvements include lowering the channel and adding drop structures and installing five 9'x5' box culverts. The existing road is a 2-lane road with an average daily traffic count of 269. 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.

RFPG recommend X Yes

Population at risk 68 Structures at risk 44

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 112

Roadway(s) impacted (miles) 0.00

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 \$50,000

Title 200 Block N Orange ID# 101000055

Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes No

REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Fredericksburg County Gillespie

Watershed name(s)

Tributary(ies) Town Creek

HUC# 12090206 Stream miles (est.) 0.50

Drainage area: square miles, est 0.02 or acreage, est. 14

Social vulnerability index 0.1

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

Other Channel Improvements/erosion protection



Flood Risk Description

Town Creek is eroding on the downstream side of Orange Street. Localized scour is occurring at the outfall and along this steeper section of the channel threatening existing utilities. 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)

0.00

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

ID# 101000056 Title **Crockett Street South of Travis** Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Fredericksburg

County Gillespie

Watershed Barons Creek

name(s)

Tributary(ies) Barons Creek

HUC# 12090206 Stream miles (est.) TBD

Drainage area: square miles, est 0.01

or acreage, est. 7

Social vulnerability index 0.1

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

Other Drainage System Improvements



Flood Risk Description

The storm sewer system needs to be created to capture flow with curb/drop inlets to mitigate flows. 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 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)

0.00

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, rightof-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

\$100,000

Title Cross Mountain West ID# 101000057

Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodplain modeling, mapping and risk assessment Feasibility study

Other

RFPG recommend X Yes

x Preliminary project engineering

Problem Area

City Fredericksburg

County Gillespie

Watershed Barons Creek

name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090206 Stream m

Technical committee recommend X Yes

Stream miles (est.) TBD

Drainage area: square miles, est 0.01

or acreage, est. 8

Social vulnerability index 0.1

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

Other Drainage System Improvements



Flood Risk Description

Drainage system along Cross Mountain West is undersized and 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 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

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

Title N Milam at West Travis ID# 101000058

Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes No

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Fredericksburg County Gillespie

Watershed name(s)

Tributary(ies) Town Creek

HUC# 12090206 Stream miles (est.) TBD

Drainage area: square miles, est 0.01 or acreage, est. 5

Social vulnerability index 0.1

(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 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

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 \$150,000

Title Carriage Hills ID# 101000122

Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Fredericksburg

County Gillespie

Watershed Barons Creek name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090206

Stream miles (est.) TBD

Drainage area: square miles, est 0.02

or acreage, est.

t. 16

Social vulnerability index 0.1

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

Other Channel Improvements



Flood Risk Description

The area of concern lacks a storm drain system and stormwater is conveyed via streets. The area is subject to localized flooding and channel erosion. The city has identified local drainage improvements including adding curbs, constructing a new channel, increasing the capacity of an existing pond, and replacing the pond outlet structure. 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)

0.00

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

ID# 101000123 Title Post Oak Subdivision Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Fredericksburg County Gillespie

Watershed Muesebach Creek - Pedernales River

name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090206 Stream miles (est.) TBD

Drainage area: square miles, est 0.13

or acreage, est.

84

Social vulnerability index 0.1

(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. The proposed improvements include improving the channel, raising the road, and adding multi-box (6) culvert. 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 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

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)

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

Estimated Study Cost

\$150,000

Title Highway St Improvements Project ID# 101000207

Sponsor (name of entity) Fredericksburg (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Fredericksburg

County Gillespie

Watershed Muesebach Creek - Pedernales Rivet

name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090206

Stream miles (est.) 0.00

Drainage area: square miles, est 0.08

or acreage, est.

t. 54

Social vulnerability index 0.1

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

Other



Flood Risk Description

The existing crossing is undersized and overtops. The existing road is a 2-lane road with an average daily traffic count of 9,535.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

0.00

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

Scope of Study

Conduct a study to evaluate replacing/upgrading the existing crossing repairing an existing road 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 \$600,000

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

Sponsor (name of entity) Ganado (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Ganado County Jackson

Watershed Devers Creek - Mustang Creek

Technical committee recommend X Yes

name(s)

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 94

Structures at risk 28

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 28

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

Title City Hall Hardening and Safe Room ID# 101000128

Sponsor (name of entity) Ganado (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Ganado

Watershed Devers Creek - Mustang Creek name(s)

Tributary(ies) Unnamed Tributary

HUC# 12100102 Stream miles (est.) TBD

Drainage area: square miles, est 0.00 or acreage, est. 0

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 adjacent to the 100-year floodplain. The study will investigate the cost level of effort for hardening and the addition of a safe room.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

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)

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. 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

ID# 101000190 **Devers Creek Regional Detention and Channel Improvements** Sponsor (name of entity) Ganado (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Ganado County Jackson

Watershed Devers Creek-Mustang Creek name(s)

Tributary(ies) Devers Creek

HUC# 12100102

Stream miles (est.) TBD

Drainage area: square miles, est 1.23

or acreage, est.

790

Social vulnerability index 0.51

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

Other Regional Detention



Flood Risk Description

The area of concern along Devers 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.

RFPG recommend X Yes No

Population at risk 76

Structures at risk 13

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 399

Roadway(s) impacted (miles)

0.55

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.

Estimated Study Cost

\$250,000

Title City-wide Drainage Master Plan ID# 101000192

Sponsor (name of entity) Ganado (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodplain modeling, mapping and risk assessment

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Ganado County Jackson

Watershed Devers Creek-Mustang Creek
name(s)

Tributary(ies) Devers Creek

Technical committee recommend X Yes

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 Watershed Study



Flood Risk Description

The area has multiple local drainage problems and portions of the region are at risk of flooding. 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.

RFPG recommend X Yes

Population at risk 94 Structures at risk 28 Critical facilities at risk 0

Farm/Ranch land impacted (acres) 28 Roadway(s) impacted (miles) 0.42

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 \$250,000 Potential funding source(s) TBD

ID# 101000183 Title South Polk Street Study Sponsor (name of entity) Giddings (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Giddings County Lee Watershed Upper Rabbs Creek name(s) Tributary(ies) Unnamed Tributary HUC# 12090301 Stream miles (est.) TBD Drainage area: square miles, est 0.08 or acreage, est. 49 Social vulnerability index 0.42

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



Flood Risk Description

Other Watershed Study

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 28

Structures at risk 17

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.32

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

\$150,000

Title Countywide Floodplain Map Update ID# 101000177

Sponsor (name of entity) Gillespie (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness x Floodplain

Technical committee recommend X Yes

x Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Gillespie

Watershed Multiple Watersheds name(s)

Tributary(ies) Multiple Tributaries

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

Drainage area: square miles, est 1,057.22 or acreage, est. 676,621

Social vulnerability index 0.1

(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 1,487

Structures at risk 863

Critical facilities at risk 3

Farm/Ranch land impacted (acres) 71,867

Roadway(s) impacted (miles)

9.93

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

Title Low Water Crossing's at 4 locations ID# 101000178

Sponsor (name of entity) Gillespie (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

Emergency preparedness Floodplain modeling, mapping and risk assessment

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A

County Gillespie

Watershed name(s)

Multiple Watersheds
name(s)

Tributary(ies) Unnamed Tributary

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

Drainage area: square miles, est 1,057.22 or acreage, est. 676,621

Social vulnerability index 0.1
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other Roadway/Crossing Improvements & Channel Improvements



Flood Risk Description

The existing 4 crossings are undersized and overtop. The proposed improvements include replacing the low water crossing with bridges. 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.

RFPG recommend X Yes

Population at risk 1,487

Structures at risk 863

Critical facilities at risk 3

Farm/Ranch land impacted (acres) 71,867

Roadway(s) impacted (miles)

9.93

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)

6.2 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

Title Hays County Buyout Project ID# 101000201

Sponsor (name of entity) Hays (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend x Yes

Emergency preparedness Floodplain modeling, mapping and risk assessment Feasibility study

Other

RFPG recommend X Yes No

x Preliminary project engineering

Problem Area

City N/A County Hays

Watershed Onion name(s)

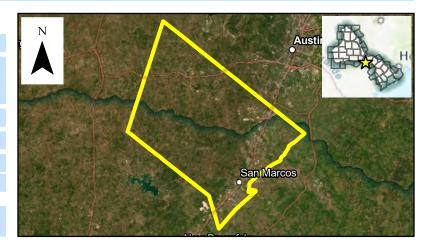
Tributary(ies) Unknown

HUC# 12090205,12090206 Stream miles (est.) 0.00

Drainage area: square miles, est 676.04 or acreage, est. 432,665

Social vulnerability index 0.17
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other



Flood Risk Description

There are at least 38 flood prone properties that are within the 100-year floodplain that may be subject to repetitive loss.

Population at risk 2,084

Structures at risk 581

Critical facilities at risk 2

Farm/Ranch land impacted (acres) 11,875

Roadway(s) impacted (miles)

15.61

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify eligible property owners and if the properties 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. 5.2 Increase the acreage of publicly protected open space to reduce future impacts of flooding.

Estimated Study Cost

Cost \$500,000

ID# 101000065 Title **Jackson County Hospital District** Sponsor (name of entity) Jackson (County) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Jackson

Watershed Post Oak Branch - Dry Creek

Technical committee recommend x Yes

name(s)

Tributary(ies) Dry Creek

12100101 HUC#

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

\$150,000

ID# 101000066 Title County Road 480 Sponsor (name of entity) Jackson (County) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD PLANNING GROUP**

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A

County Jackson

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

Tributary(ies) Unnamed Tributary

HUC# 12100401

Stream miles (est.) TBD

Drainage area: square miles, est 0.06

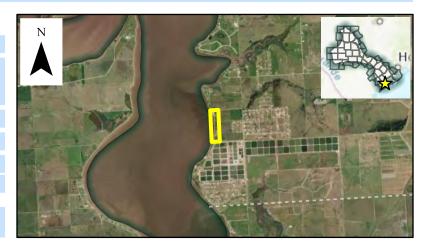
or acreage, est.

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 2lane 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 20

Structures at risk 10

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 15

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

\$100,000

ID# 101000129 Title Palmetto Bend Spillway Sponsor (name of entity) Jackson (County) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

name(s)

City N/A County Jackson Watershed Chicolete Creek - Navidad River

Technical committee recommend x Yes

Tributary(ies) Navidad River

HUC# 12100102 Stream miles (est.) 0.00

Drainage area: square miles, est 0.12 or acreage, est. 79

Social vulnerability index 0.51

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

Other Dam Improvements



Flood Risk Description

Lake Texana is a large earthen embankment dam with a multiple-gate concreate spillway that is traversed by FM 3131. The dam has limited ability to quickly deploy/install stop-logs in front of the gates in an emergency and has identified the need to develop an emergency stop log deployment system. 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 Critical facilities at risk 0 Structures at risk 0

Farm/Ranch land impacted (acres) 13 Roadway(s) impacted (miles) 0.10

Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall) to determine how stop log installation could impact dam operations, 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

\$250,000

ID# 101000196 Navidad River - Stem Branch Erosion Control Structure Project Sponsor (name of entity) Jackson (County) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City N/A County Jackson

Watershed Navidad name(s)

Tributary(ies) Stem Branch

HUC# 12100102

Stream miles (est.) 0.00

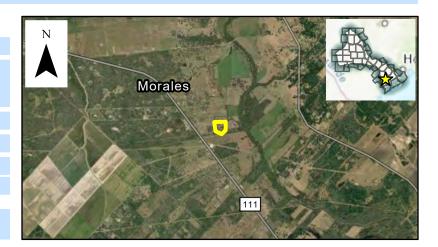
Drainage area: square miles, est 0.02

or acreage, est. 15

Social vulnerability index 0.51

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

Other



Flood Risk Description

There is an existing erosion control structure that is failing. Loss of the structure would result in a threat to existing infrastructure and negative environmental impacts due to erosion. Existing risk factors are based on available data and will be better defined as part of the study. Study results will include detailed assessments of the potential risk and potential flood risk reduction to be used in evaluating the project.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

Scope of Study

Conduct a study to evaluate replacing/repairing an existing erosion control structure. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis (if appropriate), verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis (if appropriate), 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.

Estimated Study Cost

\$40,000

Title La Salle Erosion Control Structure Project ID# 101000197

Sponsor (name of entity) Jackson (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

Emergency preparedness Floodplain modeling, mapping and risk assessment

Feasibility study

x Preliminary project engineering

Other

Problem Area

City N/A County Jackson

Watershed name(s)

Arenosa Creek-Garcitas Creek

Tributary(ies) Unnamed Tributary

HUC# 12100402 Stream miles (est.) 0.00

Drainage area: square miles, est 0.44 or acreage, est. 279

Social vulnerability index 0.51

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

Other



Flood Risk Description

There is an existing erosion control structure that is failing. Loss of the structure would result in a threat to existing infrastructure and negative environmental impacts due to erosion. Existing risk factors are based on available data and will be better defined as part of the study. Study results will include detailed assessments of the potential risk and potential flood risk reduction to be used in evaluating the project.

RFPG recommend X Yes

Population at risk 2

Structures at risk 2

Critical facilities at risk 0

0.09

Farm/Ranch land impacted (acres) 28

Roadway(s) impacted (miles)

Scope of Study

Conduct a study to evaluate replacing/repairing an existing erosion control structure. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis (if appropriate), verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis (if appropriate), 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.

Estimated Study Cost

Cost \$40,000

ID# 101000198 Goat Trail Erosion Control Structure Project Sponsor (name of entity) Jackson (County) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City N/A County Jackson Watershed Lavaca name(s) Tributary(ies) Milby HUC# 12100101 Stream miles (est.) 0.00 Drainage area: square miles, est 0.03 or acreage, est. 19 Social vulnerability index 0.51 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.) Other



Flood Risk Description

There is an existing erosion control structure that is failing. Loss of the structure would result in a threat to existing infrastructure and negative environmental impacts due to erosion. Existing risk factors are based on available data and will be better defined as part of the study. Study results will include detailed assessments of the potential risk and potential flood risk reduction to be used in evaluating the project.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 1

Roadway(s) impacted (miles)

0.00

Scope of Study

Conduct a study to evaluate replacing/repairing an existing erosion control structure. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis (if appropriate), verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis (if appropriate), 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.

Estimated Study Cost

\$225,000

ID# 101000199 Title County Road 106 Erosion Control Structure Project Sponsor (name of entity) Jackson (County) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City N/A County Jackson

Watershed Leona Creek-Arenosa Creek

Technical committee recommend X Yes

name(s)

Tributary(ies) Arenosa Creek

12100402 HUC#

Stream miles (est.) 0.00

Drainage area: square miles, est 0.06

40

or acreage, est.

Social vulnerability index 0.51

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

Other



Flood Risk Description

There is an existing erosion control structure that is failing. Loss of the structure would result in a threat to existing infrastructure and negative environmental impacts due to erosion. Existing risk factors are based on available data and will be better defined as part of the study. Study results will include detailed assessments of the potential risk and potential flood risk reduction to be used in evaluating the project.

Population at risk 0

Structures at risk 2

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 35

Roadway(s) impacted (miles)

0.00

Scope of Study

Conduct a study to evaluate replacing/repairing an existing erosion control structure. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis (if appropriate), verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis (if appropriate), 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.

Estimated Study Cost

\$75,000

Title Jackson County Phase 2 DMP ID# 101000209

Sponsor (name of entity) Jackson (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodpla

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Jackson

Watershed Navidad, Central Matagorda Bay, West Matagorda Bay name(s)

Tributary(ies) Brushy Creek, Cox Creek, Devers Creek, Dry Creek East

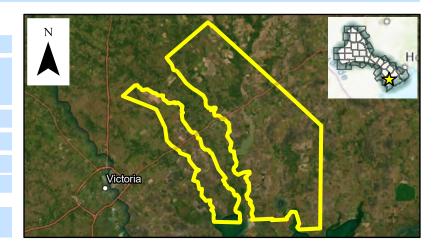
HUC# 12100402,12100101 Stream miles (est.) 318.00

Drainage area: square miles, est 700.14 or acreage, est. 448,087

Social vulnerability index 0.599

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

Other



Flood Risk Description

The county has suffered extreme flooding from recent events such as the floods of 1998, 2004, and 2021 floods. The area has multiple local drainage problems and portions of the region are at risk of flooding. 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 1,317

Structures at risk 717

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 58,759

Roadway(s) impacted (miles)

58.84

Scope of Study

This study would include all FEMA streams east and west of the Lavaca watershed. Study scope will include hydrologic and hydraulic modeling (with Atlas14 rainfall). If potential projects are identified the study may include preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimate and 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 \$4,000,000

Title Citywide Drainage Plan ID# 101000107

Sponsor (name of entity) Johnson City (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floo

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Johnson City County Blanco
Watershed Pedernales
name(s)

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 419

Structures at risk 48

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 67

Roadway(s) impacted (miles)

0.00

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

Title Develop New/Updated Floodplain Maps ID# 101000108

Sponsor (name of entity) Johnson City (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

x Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

Preliminary project engineering

Other

Problem Area

City Johnson City Cou

Technical committee recommend X Yes

County Blanco

Watershed Towhead Creek - Pedernales River, Cottonwood Creek -

name(s) 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 419

Structures at risk 48

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 67

Roadway(s) impacted (miles)

0.00

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

Title Highway 36 ID# 101000136

Sponsor (name of entity) Jones Creek (Municipality) Commitment x Yes No

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Jones Creek

Watershed name(s)

Mound Creek, Bell Creek

Tributary(ies) Unnamed Tributary

HUC# 12090401,12070104 Stream miles (est.) TBD

Drainage area: square miles, est 34.20 or acreage, est. 21,890

Social vulnerability index 0.21
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other Roadway/Crossing Improvements / Channel Improvements



Flood Risk Description

The existing crossings are undersized and overtop. The proposed improvements include widening roadside ditches and upsizing the existing cross culverts. The existing road is a 4-lane highway with an average daily traffic count of 18,407. 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 2,380

Structures at risk 999

Critical facilities at risk 3

Farm/Ranch land impacted (acres) 2,547

Roadway(s) impacted (miles)

23.10

Scope of Study

Conduct a study to evaluate upsizing the existing culvert 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

ID# 101000080 Title Community Evacuation Plan Sponsor (name of entity) Jonestown (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD PLANNING GROUP**

REGION 10

Study Type

x Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

Preliminary project engineering

Other

Problem Area

City Jonestown County Travis Watershed Hurst Creek - Lake Travis, Big Sandy Creek name(s)

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 748

Structures at risk 321

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

\$25,000

Title Jones Brothers Park Flooding ID# 101000163

Sponsor (name of entity) Jonestown (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

Emergency preparedness Floodplain modeling, mapping and risk assessment

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Jonestown

County Travis

Watershed name(s)

Big Sandy Creek

Tributary(ies) Big Sandy Creek

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

Drainage area: square miles, est 53.07 or acreage, est. 33,962

Social vulnerability index 0.15

(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 during large storm events. 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 are also a potential outcome.

RFPG recommend X Yes

Population at risk 635

Structures at risk 297

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 1,595

Roadway(s) impacted (miles)

, , , ,

3.91

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

Title East Reed Park Road Flooding ID# 101000164

Sponsor (name of entity) Jonestown (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Jonestown County Travis
Watershed Hurst Creek - Lake Travis

name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090205

Stream miles (est.) TBD

Drainage area: square miles, est 2.82

or acreage, est.

t. 1,805

Social vulnerability index 0.15

(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. There are multiple houses upstream of the crossing that appear to be impacted by backwater flooding. The existing crossing consists of multiple corrugated metal pipes. The proposed improvements include upsizing the crossing with a bridge. The existing road is a 2-lane road with an average daily traffic count of 504. 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 1

Structures at risk 2

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 45

Roadway(s) impacted (miles)

0.15

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

Title Lake Travis/Cross Street Area Buyout Project ID# 101000200

Sponsor (name of entity) Jonestown (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodp

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Jonestown County Travis

Watershed Hurst Creek

name(s)

Tributary(ies) Big Sandy Creek

HUC# 12090205

Stream miles (est.) 0.00

Drainage area: square miles, est 0.04

or acreage, est.

26

Social vulnerability index 0.15

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

Other



Flood Risk Description

There is at least one flood prone property located within the 100-year floodplain of Lake Travis in the Cross Street Area that is subject to repetitive loss. The City would like to conduct an analysis to quantify the total number of structures in the 100-year floodplain that may be subject to repetitive loss.

Population at risk 36

Structures at risk 18

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 13

Roadway(s) impacted (miles)

0.42

Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify eligible property owners and if the properties 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. 5.2 Increase the acreage of publicly protected open space to reduce future impacts of flooding.

Estimated Study Cost

Cost \$100,000

Title Lake Junction Dredging ID# 101000068

Sponsor (name of entity) Junction (Municipality) Commitment x Yes No

or acreage, est.

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

42

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Junction County Kimble

Watershed Joy Creek - South Llano River
name(s)

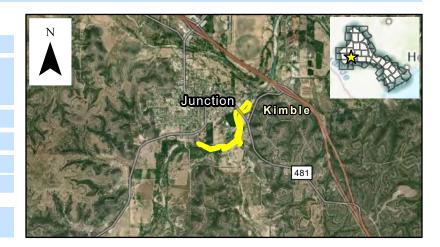
Tributary(ies) South Llano River

HUC# 12090203 Stream miles (est.) TBD

Drainage area: square miles, est 0.07
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 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 14

Roadway(s) impacted (miles)

0.00

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

Title Llano River Erosion ID# 101000069

Sponsor (name of entity) Junction (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Junction County Kimble

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

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 285

Structures at risk 130

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 427

Roadway(s) impacted (miles)

0.04

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

ID# 101000179 Various Streets - Install Flood Early Warning System Sponsor (name of entity) Kendall (County) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD PLANNING GROUP**

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A

County Kendall

Watershed Bear Creek - Pedernales River, South Grape Creek, Williams name(s) Creek - Pedernales River

Tributary(ies) Unnamed Tributary

12090206,12100201

Stream miles (est.) TBD

Drainage area: square miles, est 660.51 or acreage, est. 422,724

Social vulnerability index 0.04

(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 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 1

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 637

Roadway(s) impacted (miles)

0.00

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

\$15,000

Title Lum Rd, Hilltop Rd, FM 2919 N ID# 101000034

Sponsor (name of entity) Kendleton (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Kendleton County Fort Bend

Watershed Boone Branch - San Bernard River name(s)

Tributary(ies) Brooks Branch

HUC# 12090401 Stream miles (est.) TBD

Drainage area: square miles, est 1.41 or acreage, est. 905

Social vulnerability index 0.1

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

Other Roadway/Crossing Improvements



Flood Risk Description

The existing crossings are undersized and overtop. The proposed improvements include upsizing the existing crossings. 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 risk and assess potential future projects.

Population at risk 21

Structures at risk 11

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 69

Roadway(s) impacted (miles)

0.85

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

Title Drainage Improvements to Crawford Outlet Right-of-Way ID# 101000035

Sponsor (name of entity) Kendleton (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Kendleton County Fort Bend

Watershed Boone Branch - San Bernard River
name(s)

Tributary(ies) Brooks Branch

HUC# 12090401 Str

Stream miles (est.) TBD

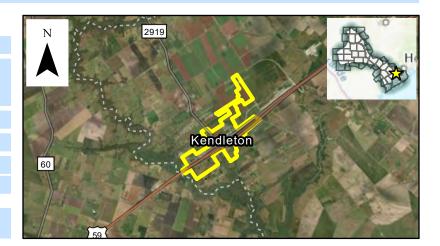
Drainage area: square miles, est 1.41

or acreage, est. 905

Social vulnerability index 0.1

(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 outlet/right-of-way stormwater infrastructure is undersized and the area is at risk of localized 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 21

Structures at risk 11

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 69

Roadway(s) impacted (miles)

0.85

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 \$50,000

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

Sponsor (name of entity) Kerr (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

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

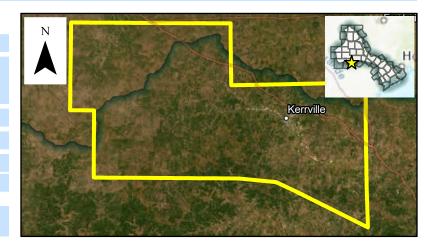
Tributary(ies) Unnamed Tributary

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.

RFPG recommend X Yes

Population at risk 52

Structures at risk 51

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 10,644

Roadway(s) impacted (miles)

0.20

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

Title City-wide Drainage Master Plan ID# 101000193

Sponsor (name of entity) La Ward (Municipality) Commitment x Yes No

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

Emergency preparedness Floodplain modeling, mapping and risk assessment

x Feasibility study

Preliminary project engineering

Other

Problem Area

City La Ward

County Jackson

Watershed Multiple Watersheds name(s)

Tributary(ies) Unnamed Tributary

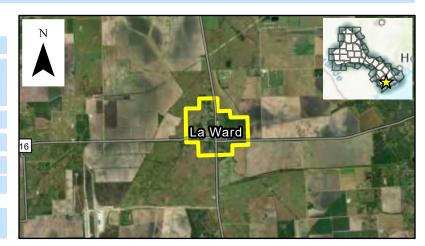
HUC# 12100401 Stream miles (est.) TBD

Drainage area: square miles, est 0.85 or acreage, est. 547

Social vulnerability index 0.51

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

Other Watershed Study



Flood Risk Description

The area has multiple local drainage problems and portions of the region are at risk of flooding. 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.

RFPG recommend X Yes

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

Farm/Ranch land impacted (acres) 134 Roadway(s) impacted (miles) 1.05

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 \$250,000

ID# 101000082 Title Citywide Drainage Study Sponsor (name of entity) Lago Vista (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

x Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

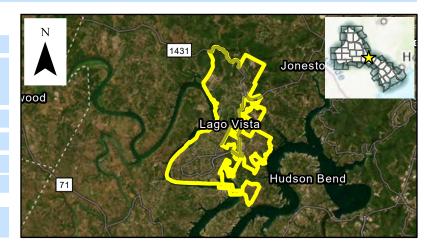
Feasibility study

Preliminary project engineering

Other

Problem Area

County Travis City Lago Vista Watershed Bee Creek - Lake Travis, Hurst Creek - Lake Travis name(s) 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.)



Flood Risk Description

Other Watershed Study

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 1,332

Structures at risk 543

Critical facilities at risk 1

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

\$250,000

ID# 101000083 Title Community Evacuation Plan Sponsor (name of entity) Lago Vista (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD PLANNING GROUP**

REGION 10

Study Type

x Emergency preparedness

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

Preliminary project engineering

Other

Problem Area

City Lago Vista County Travis Watershed Bee Creek - Lake Travis, Hurst Creek - Lake Travis name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090205

Stream miles (est.) TBD

Drainage area: square miles, est 15.51

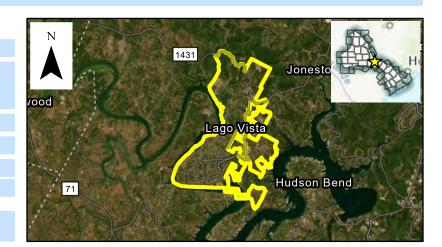
or acreage, est.

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 1,332

Structures at risk 543

Critical facilities at risk 1

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

\$25,000

Title Llano River Channel Maintenance/Improvements ID# 101000070

Sponsor (name of entity) Llano (Municipality) Commitment x Yes No

REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Llano County Llano

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

Tributary(ies) Llano River

HUC# 12090204

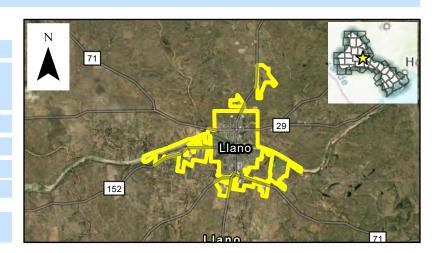
90204 Stream miles (est.) TBD

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 561

Structures at risk 181

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 464

Roadway(s) impacted (miles)

3.48

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

Title Prepare Evacuation Plan ID# 101000072

Sponsor (name of entity) Llano (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend x Yes

x Emergency preparedness Floodplain modeling, mapping and risk assessment Fo

Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A

Watershed name(s)

Multiple Watersheds name(s)

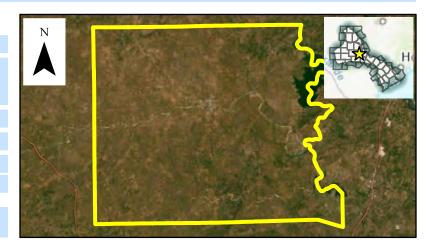
Tributary(ies) Unnamed Tributary

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.

RFPG recommend X Yes

Population at risk 5,579

Structures at risk 2,739

Critical facilities at risk 3

Farm/Ranch land impacted (acres) 44,594

Roadway(s) impacted (miles)

15.17

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

Title Comanche Rancherias Subdivision ID# 101000073

Sponsor (name of entity) Llano (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A

County Llano

Watershed Honey Creek - Lake Lyndon B Johnson

name(s)

Tributary(ies) Moss Creek

UC# 12090201,12090204

Stream miles (est.) TBD

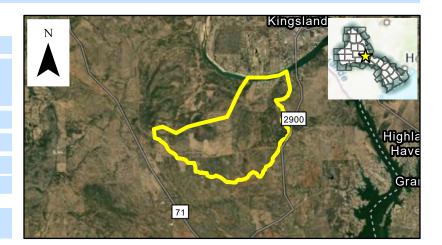
Drainage area: square miles, est 5.79 or acreage

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 29

Structures at risk 20

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 216

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)

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

Title Relocate Fire Department Building ID# 101000130

Sponsor (name of entity) Llano (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodplain mo

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A

County Llano

Watershed Peters Creek - Lake Lyndon B Johnson
name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090201 Stream miles (est.) TBD

Drainage area: square miles, est 0.00 or acreage, est. 1

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 Kingsland Volunteer Fire Department 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 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

Scope of Study

The siting study will focus on finding a suitable location for the new facility. Depending on the location the study may 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 \$250,000

Title Identify and Assess Flood Risk and Potential Mitigation Solutions for Low ID# 101000194

Sponsor (name of entity) Lower Colorado River Authority Commitment x Yes N

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Multiple County TBD

Watershed Multiple Watersheds
name(s)

Tributary(ies) TBD

HUC# TBD

Stream miles (est.) TBD

Drainage area: square miles, est 24,288.76 or acreage, est. 15,544,805

Social vulnerability index 0.75

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

Other Watershed Study



Flood Risk Description

The Lower Colorado-Lavaca Regional Flood Planning Area has a large number of structures mapped to be at risk. Some of these areas are in socially vulnerable communities, which are disproportionately affected by flood impacts. Those with limited means are much more challenged to recover from flood losses and often cannot afford flood insurance to mitigate these losses. For a number of reasons, the residents of these communities may be less likely to notify their local authorities of the flooding problems and losses they have suffered. This means that many of these flood problem areas are under-reported and/or entirely unknown to their respective municipal and county governments. This combination of deeper vulnerability and lack of attention calls for an effort to proactively seek out these communities to more fully assess and document their flood risk, consider potential solutions, and lay out a path to implement feasible and appropriate solutions. Other RFPG goals (no room yet in Related Goals box below): 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 structural flood mitigation projects.

Population at risk 220,871 Structures at risk 67,825 Critical facilities at risk 94

Farm/Ranch land impacted (acres) 2,268,492 Roadway(s) impacted (miles) 2,373.86

Scope of Study

This FME will conduct a technical study to identify high-priority flood problem areas in high social vulnerability index (SVI) locations throughout the Lower Colorado-Lavaca Regional Flood Planning Area (Region 10). Potential study areas will be identified using available data, assessing flood risk, exposure, and vulnerability. Available data includes the "floodplain quilt" developed for this Regional Flood Plan along with other available geospatial data (e.g., building footprints and Social Vulnerability Index). The study would rank the resulting flood problem areas by severity and develop feasibility-level solutions for the highest priority areas, generally those with a combination of the greatest flood risk/exposure and solution feasibility. This information would be shared with the corresponding municipal and county governments to consider sponsor solution implementation. TWDB funds are scored on a needs-based scale, which would help these projects secure grant or low-interest loan funding, thus making the projects more feasible and this helping these vulnerable populations

Related Goal(s)

Regional and State Flood Plan Guidance Principles ask that regional and state flood plans "focus on: identifying both current and future flood risks, including hazard, exposure, vulnerability and residual risks" and that they "consider protection of vulnerable populations." 5.1Rduce the number of structures and critical

Estimated Study Cost

\$150,000

ID# 101000032 Title Mission Hills Street Sponsor (name of entity) Marble Falls (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Marble Falls County Burnet

Watershed Backbone Creek name(s)

Tributary(ies) Whitman Branch

HUC# 12090205

Stream miles (est.) TBD

Drainage area: square miles, est 4.21

or acreage, est.

2,693

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. The proposed improvements include building a multi-span bridge crossing. The existing main stem 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 751

Structures at risk 60

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 147

Roadway(s) impacted (miles)

0.81

Scope of Study

Conduct a study to evaluate upsizing the existing 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

\$100,000

Title Ave J Bridge Replacement ID# 101000166

Sponsor (name of entity) Marble Falls (Municipality) Commitment x Yes No

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floor

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Marble Falls County Burnet

Watershed Backbone Creek name(s)

Tributary(ies) Unnamed Tributary

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

Drainage area: square miles, est 40.20 or acreage, est. 25,726

Social vulnerability index 0.19

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

Other Roadway/Crossing Improvements



Flood Risk Description

The existing bridge overtops. The proposed improvements include improvements/replacement of the existing bridge. The existing bridge is a 2-lane road with an average daily traffic count of 2,447. 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 2,285

Structures at risk 405

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 1,984

Roadway(s) impacted (miles)

10.63

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

Title 1431/281 Detention ID# 101000168

Sponsor (name of entity) Marble Falls (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Marble Falls County Burnet

Watershed Backbone Creek name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090205

Stream miles (est.) TBD

Drainage area: square miles, est 1.20

or acreage, est. 768

Social vulnerability index 0.19

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

Other Regional Detention



Flood Risk Description

The area of concern between Whitman Branch and Hamilton 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 18

Structures at risk 5

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 23

Roadway(s) impacted (miles)

0.12

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.

Estimated Study Cost

Cost \$150,000

Title Backbone Branch Detention Pond ID# 101000169

Sponsor (name of entity) Marble Falls (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Marble Falls County Burnet

Watershed Backbone Creek

name(s)

Tributary(ies) Unnamed Tributary

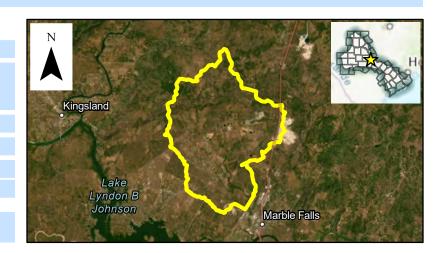
HUC# 12090201,12090205 Stream miles (est.) TBD

Drainage area: square miles, est 30.04 or acreage, est. 19,228

Social vulnerability index 0.19

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

Other Regional Detention



Flood Risk Description

The area of concern along Backbone 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.

RFPG recommend X Yes No

Population at risk 279

Structures at risk 172

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 1,647

Roadway(s) impacted (miles)

4.11

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.

Estimated Study Cost

Cost \$150,000

Title Marble Falls Creek Walk ID# 101000170

Sponsor (name of entity) Marble Falls (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodplain mod

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

x Preliminary project engineering

Other

Problem Area

City Marble Falls County Burnet
Watershed Hamilton Creek - Lake Travis

name(s)

Tributary(ies) Whitman Branch

HUC# 12090205

Stream miles (est.) TBD

Drainage area: square miles, est 5.80

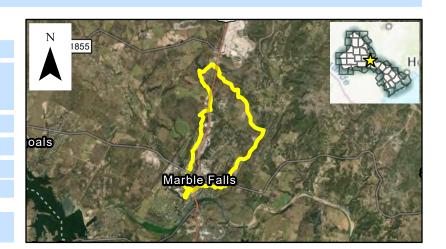
or acreage, est.

3,713

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 pedestrian access ways/trails overtop. The proposed improvements include upgrading the low water crossing, and channel modifications. 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 829

Structures at risk 80

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 171

Roadway(s) impacted (miles)

2.07

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)

6.2 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

Title Citywide Floodplain Remapping ID# 101000171

Sponsor (name of entity) Marble Falls (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

x Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

Preliminary project engineering

Other

Problem Area

name(s)

City Marble Falls County Burnet
Watershed Lake Marble Falls, Flatrock Creek - Lake Travis

Tributary(ies) Little Flatrock Creek, Flatrock Creek

HUC# 12090205 Stream miles (est.) TBD

Drainage area: square miles, est 7.13 or acreage, est. 4,565

Social vulnerability index 0.19

(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 388

Structures at risk 158

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 332

Roadway(s) impacted (miles)

2.29

Scope of Study

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

Title 2nd Street at Backbone Creek Low Water Crossing ID# 101000172

Sponsor (name of entity) Marble Falls (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

HUC#

Problem Area

City Marble Falls County Burnet

Watershed name(s)

Tributary(ies) Whitman Branch

Drainage area: square miles, est 2.28 or acreage, est. 1,458

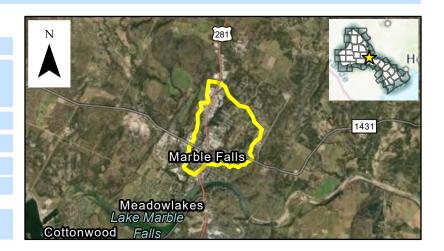
Stream miles (est.) TBD

Social vulnerability index 0.19

12090205

(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. The crossing floods during smaller rainfall events and is an emergency vehicle response route. The existing crossing consists of four (4) reinforced concrete pipes. The proposed improvements include upsizing the crossing. The existing road is a 2-lane road with an average daily traffic count of 3,263. 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 725

Structures at risk 78

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 45

Roadway(s) impacted (miles) 1.87

Scope of Study

Conduct a study to evaluate upsizing the existing culvert 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

Title Ave L at Whitman Creek Low Water Crossing ID# 101000173

Sponsor (name of entity) Marble Falls (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodplain modelin

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Marble Falls County Burnet
Watershed Backbone Creek

name(s)

Tributary(ies) Whitman Branch

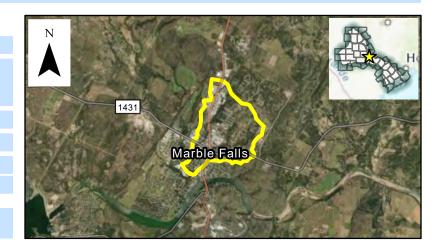
HUC# 12090205 Stream miles (est.) TBD

Drainage area: square miles, est 2.33 or acreage, est. 1,490

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 bridge overtops. The proposed improvements include improvements/replacement of the existing bridge. The existing bridge is a 2-lane road with an average daily traffic count of 668. 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 735

Structures at risk 86

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 45

Roadway(s) impacted (miles)

2.39

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

Title Broadway at Backbone Creek Low Water Crossing ID# 101000174

Sponsor (name of entity) Marble Falls (Municipality) Commitment x Yes N

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Marble Falls County Burnet

Watershed Backbone Creek

name(s)

Tributary(ies) Unnamed Tributary

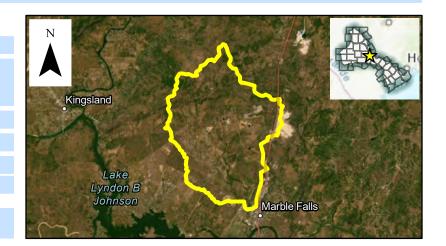
HUC# 12090201,12090205 Stream miles (est.) TBD

Drainage area: square miles, est 31.97 or acreage, est. 20,460

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 culvert crossing is undersized and overtops. The proposed improvements include enlarging the existing culverts. The existing road is a 2-lane road with an average daily traffic count of 2,220. 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 1,098

Structures at risk 202

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 1,749

Roadway(s) impacted (miles)

4.77

Scope of Study

Conduct a study to evaluate upsizing the existing culvert 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

Title Tres Palacios River ID# 101000076

Sponsor (name of entity) Matagorda (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

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)

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.

RFPG recommend X Yes

Population at risk 5,448

Structures at risk 1,805

Critical facilities at risk 1

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

ID# 101000077 Update Flood Insurance Study & Flood Insurance Rate Maps

REGIONAL FLOOD PLANNING GROUP

Lower Colorado-Lavaca

REGION 10

Sponsor (name of entity) Matagorda (County) Technical committee recommend X Yes

Commitment x Yes

RFPG recommend X Yes

Study Type

x Floodplain modeling, mapping and risk assessment

Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Matagorda

Watershed Multiple Watersheds

Emergency preparedness

name(s)

Tributary(ies) Unnamed Tributary

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

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 14,754

Structures at risk 7,017

Critical facilities at risk 6

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

\$3,000,000

Title Countywide Floodplain Map Update ID# 101000180

Sponsor (name of entity) Menard (County) Commitment x Yes No

County Menard

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

x Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A
Watershed Multiple Watersheds
name(s)

Tributary(ies) Unnamed Tributary

.

12090109,12090110 Stream miles (est.) TBD

Drainage area: square miles, est 898.47 or acreage, est. 575,019

Social vulnerability index 0.36

(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 the current flood risk.

Population at risk 1,638

Structures at risk 896

Critical facilities at risk 5

Farm/Ranch land impacted (acres) 93,035

Roadway(s) impacted (miles)

12.15

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. 3.2 Increase the number of entities that have evaluated priority flood risk areas and flood risk reduction measures (e.g., alternatives analysis and preliminary engineering). 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

ID# 101000181 Harris Hollow Neighborhood Flooding Sponsor (name of entity) Menard (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend x Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Menard County Menard

Watershed Menard Irrigation Company Canal - San Saba River name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090109 Stream miles (est.) TBD

Drainage area: square miles, est 0.13

83

or acreage, est.

Social vulnerability index 0.36 (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 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 161

Structures at risk 107

Critical facilities at risk 1

0.00

Farm/Ranch land impacted (acres) 25

Roadway(s) impacted (miles)

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, rightof-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

\$100,000

Title Prepare Evacuation Plan ID# 101000061

Sponsor (name of entity) Mountain City (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

x Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

Preliminary project engineering

Other

Problem Area

City Mountain City County Hays

Watershed Mustang Branch - Onion Creek

Technical committee recommend x Yes

name(s)

Tributary(ies) Unnamed Tributary

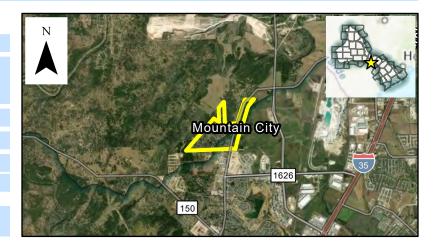
HUC# 12090205,12100203 Stream miles (est.) TBD

Drainage area: square miles, est 0.42 or acreage, est. 268

Social vulnerability index 0.17

(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 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

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

ID# 101000126 Title Flood Proofing Repetitive Loss Structures Sponsor (name of entity) Mountain City (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD PLANNING GROUP**

REGION 10

Study Type

Emergency preparedness

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Mountain City County Hays

Technical committee recommend X Yes

Watershed Mustang Branch - Onion Creek

name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090205,12100203

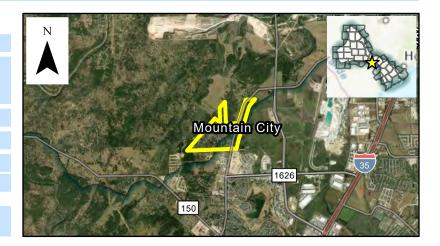
Stream miles (est.) TBD

Drainage area: square miles, est 0.42 or acreage, est. 268

Social vulnerability index 0.17

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

Other Local Plans & Regulations



Flood Risk Description

The project area is adjacent to the 100-year floodplain and contains multiple repetitive loss structures. The Sponsor has identified the need to flood proof repetitive loss structures (unspecified number and type) to prevent additional/future flood loss.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

Scope of Study

Study will develop project costs and repetitive loss structures. The 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.

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

\$50,000

Title Gene and Church Streets ID# 101000037

Sponsor (name of entity) Needville (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodplain me

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Needville

Watershed Cedar Creek
name(s)

Tributary(ies) Unnamed Tributary

HUC# 12090401,12070104 Stream miles (est.) TBD

Drainage area: square miles, est 0.16 or acreage, est. 104

Social vulnerability index 0.1

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

Other Roadway/Crossing Improvements



Flood Risk Description

The existing crossing is undersized and overtops. The proposed improvements include installation of culverts. The existing road is a 2-lane road with an average daily traffic count of 321. 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)

0.00

Scope of Study

Conduct a study to evaluate the proposed culvert 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 \$50,000

ID# 101000074 Title **Construct Emergency Operation Center** Sponsor (name of entity) Palacios (Municipality) Commitment x Yes Lower Colorado-Lavaca REGIONAL FLOOD **PLANNING GROUP**

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Palacios County Matagorda

Watershed Tres Palacios River - Frontal Tres Palacios Bay

name(s)

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 503

Structures at risk 247

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 48

Roadway(s) impacted (miles)

6.88

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

\$100,000

Title Airport Drainage Improvements ID# 101000075

Sponsor (name of entity) Palacios (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other

Problem Area

City Palacios County Matagorda

Watershed Tres Palacios River - Frontal Tres Palacios Bay

name(s)

Tributary(ies) Reed Creek, Horn Creek

HUC# 12100401 S

Stream miles (est.) TBD

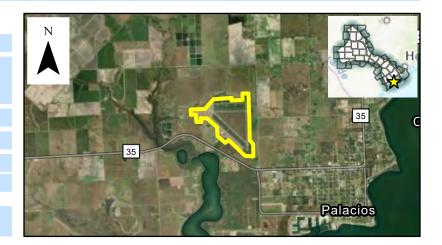
Drainage area: square miles, est 0.70

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 0

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

ID# 101000131 Police Station Relocation and Safe Room Sponsor (name of entity) Palacios (Municipality) Commitment x Yes Lower Colorado-Lavaca **REGIONAL FLOOD** PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

x Feasibility study

Preliminary project engineering

Other **Problem Area**

City Palacios

County Matagorda

Watershed Tres Palacios River - Frontal Tres Palacios Bay

name(s)

Tributary(ies) Unnamed Tributary

12100401 HUC#

Stream miles (est.) TBD

Drainage area: square miles, est 0.00

or acreage, est. 1

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 police station is located within the 100-year floodplain. The study will investigate possible sites and cost for relocation and addition of a safe room 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 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.00

Scope of Study

The siting study will focus on finding a suitable location for the new facility. Depending on the location the study may 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

\$250,000

Title Create emergency evacuation plan ID# 101000085

Sponsor (name of entity) Point Venture (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

x Emergency preparedness Floodplain modeling, mapping and risk assessment Feasile

Feasibility study

Preliminary project engineering

Other

Problem Area

City Point Venture County Travis

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

Tributary(ies) Unnamed Tributary

manieu medal,

Technical committee recommend X Yes

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.

RFPG recommend X Yes

Population at risk 527

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

Title Citywide Drainage Study ID# 101000086

Sponsor (name of entity) San Leanna (Municipality) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend X Yes

x Floodplain modeling, mapping and risk assessment

RFPG recommend X Yes

Feasibility study

Preliminary project engineering

Other

Problem Area

City San Leanna County Travis

Watershed name(s)

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 16

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

Title Hooten Holler in Richland Springs ID# 101000078

Sponsor (name of entity) San Saba (County) Commitment x Yes No

REGIONAL FLOOD PLANNING GROUP

REGION 10

Study Type

Technical committee recommend X Yes

Emergency preparedness Floodplain modeling, mapping and risk assessment

x Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A

County San Saba

Watershed Lower Richland Springs Creek name(s)

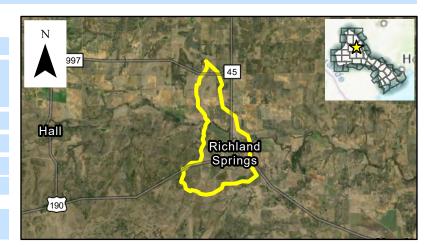
Tributary(ies) Richland Springs Creek

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.

RFPG recommend X Yes

Population at risk 52

Structures at risk 43

Critical facilities at risk 0

1.87

Farm/Ranch land impacted (acres) 695

Roadway(s) impacted (miles)

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