FME Batch 2A **9-Jun-22**

	Action Number	Action Name	County	Page Number	TC Rec	Tech Committee Rec	RFPG Rec	RFPG Rec
				0	(Y/N)	Date	(Y/N)	Date
Batch 2A-1	101000001	Drainage System Improvements	Bastrop	1	Yes	5/25/2022		
	101000004	Gotier Trace Low Water Crossings	Bastrop	2	Yes	5/25/2022		
	101000005	Lakeview Drive & Tuck Street	Bastrop	3	Yes	5/25/2022		
	101000008	Clear Springs Lake Dam	Bastrop	4	Yes	5/25/2022		
	101000023	Gills Branch	Bastrop	5	Yes	5/25/2022		
	101000027	FM 812 at Little Alum Creek	Bastrop	6	Yes	5/25/2022		
	101000028	FM 812 at Alum Creek South	Bastrop	7	Yes	5/25/2022		
	101000102	Piney Creek Benching	Bastrop	8	Yes	5/25/2022		
	101000103	Design System Improvements - JC Madison Addition	Bastrop	9	Yes	5/25/2022		
	101000104	Citywide Drainage System Improvements	Bastrop	10	Yes	5/25/2022		
	101000125	Alum Creek - Tributary 8, Bowie Drive	Bastrop	11	Yes	5/25/2022		
	101000108	Develop New/Updated Floodplain Maps	Blanco	12	Yes	5/25/2022		
Batch 2A-2	101000113	Burnet County Flood Early Warning System	Burnet	13	Yes	5/25/2022		
	101000109	CR 332 Drainage Improvements	Brazoria	14	Yes	5/25/2022		
	101000110	Various Culverts Along Stevenson Slough	Brazoria	15	Yes	5/25/2022		
	101000136	Highway 36	Brazoria	16	Yes	5/25/2022		
	101000121	Various Streets - Install Flood Early Warning Systems	Fort Bend	17	Yes	5/25/2022		
	101000029	Magnolia St	Brown	18	Yes	5/25/2022		
	101000111	Adopt Flood Insurance Rate Maps	Brown	19	Yes	5/25/2022		
	101000137	CR257 at Pecan Bayou (Tenmile Crossing)	Brown	20	Yes	5/25/2022		
	101000160	Delaware Creek Flood Study	Brown	21	Yes	5/25/2022		
	101000032	Mission Hills Street	Burnet	22	Yes	5/25/2022		
	101000114	Shade Grove Flood Study	Burnet	23	Yes	5/25/2022		
	101000116	Whitman Branch Bypass; Oak Ridge Drive Creek	Burnet	24	Yes	5/25/2022		
Batch 2A-3	101000159	Watewater Treatment Plant Flood Study	Burnet	25	Yes	5/25/2022		
	101000161	VFW Flood Study	Burnet	26	Yes	5/25/2022		
	101000171	Citywide Floodplain Remapping	Burnet	27	Yes	5/25/2022		
	101000034	Lum Rd, Hilltop Rd, FM 2919 N	Fort Bend	28	Yes	5/25/2022		
	101000035	Drainage Improvements to Crawford Outlet Right-of-Way	Fort Bend	29	Yes	5/25/2022		
	101000037	Gene and Church Streets	Fort Bend	30	Yes	5/25/2022		
	101000038	800 Block W San Antonio	Gillespie	31	Yes	5/25/2022		
	101000039	South End of Acorn Street	Gillespie	32	Yes	5/25/2022		
	101000042	Bowie & Peach Street	Gillespie	33	Yes	5/25/2022		
	101000044	112 W Park	Gillespie	34	Yes	5/25/2022		

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP
REGION 10

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

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

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

Study Type

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

[ ] Other

Problem Area

City: N/A | County: Burnet

Watershed name(s): Multiple Watersheds

Tributary(ies): Unnamed Tributary

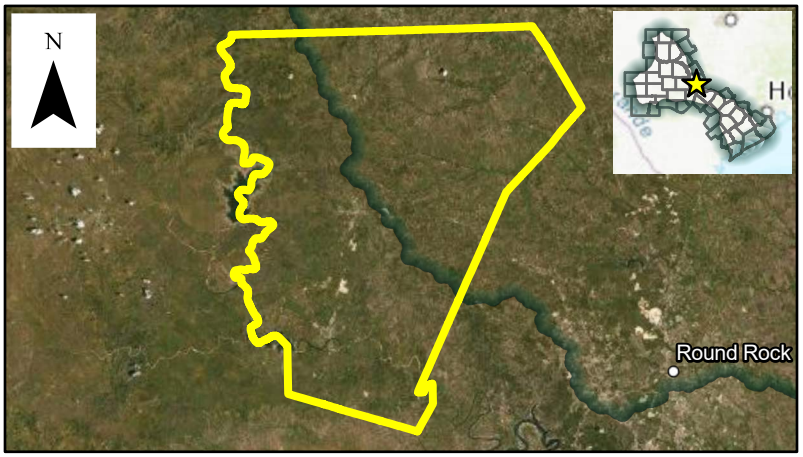
HUC#: 12090201,12090205 | Stream miles (est.): TBD

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

Social vulnerability index: 0.19

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

Other: Install Flood Early Waning System



Flood Risk Description

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

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

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

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

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

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: CR 332 Drainage Improvements | ID#: 101000109

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

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

Study Type

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

[ ] Other

Problem Area

City: Sweeny | County: Brazoria

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

Tributary(ies): Cedar Lake Creek

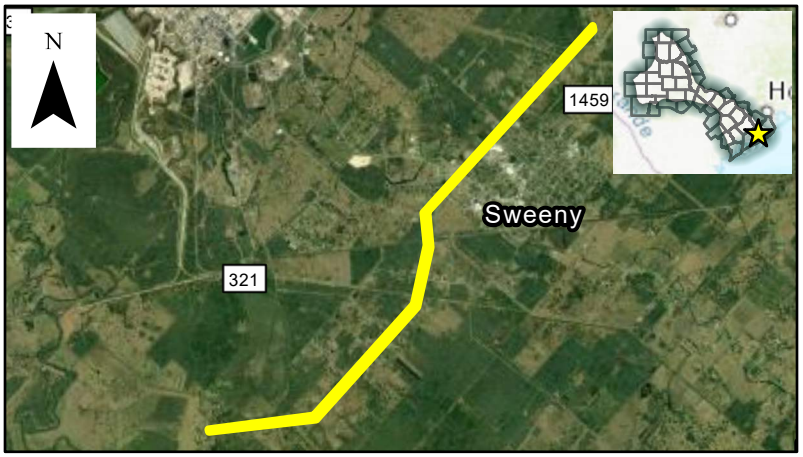
HUC#: 12090402,12090401 | Stream miles (est.): TBD

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

Social vulnerability index: 0.21

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

Other: Drainage System Improvements



Flood Risk Description

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

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

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

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

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

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP
REGION 10

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

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

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

Study Type

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

[ ] Other

Problem Area

City: Sweeny | County: Brazoria

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

Tributary(ies): Unnamed Tributary

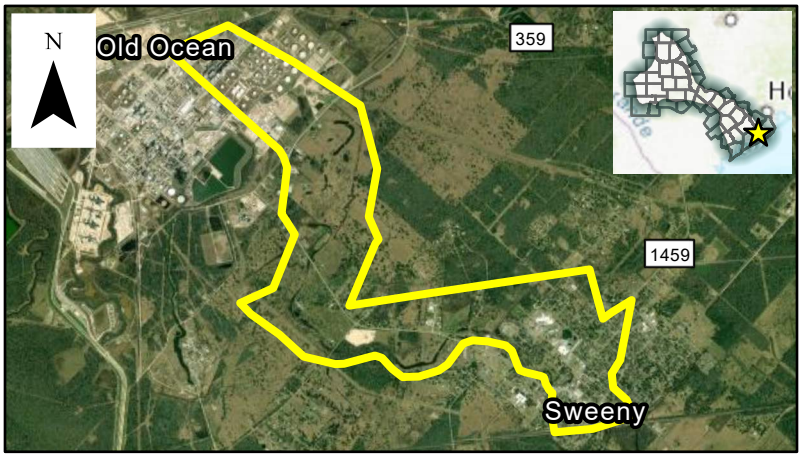
HUC#: 12090402,12090401 | Stream miles (est.): TBD

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

Social vulnerability index: 0.61

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

Other: Roadway/Crossing Improvements



Flood Risk Description

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

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

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

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

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

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Highway 36 | ID#: 101000136

Sponsor (name of entity): Jones Creek (Municipality) | Commitment: [X] Yes [ ] No

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

Study Type

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

[ ] Other

Problem Area

City: Jones Creek | County: Brazoria

Watershed name(s): Mound Creek, Bell Creek

Tributary(ies): Unnamed Tributary

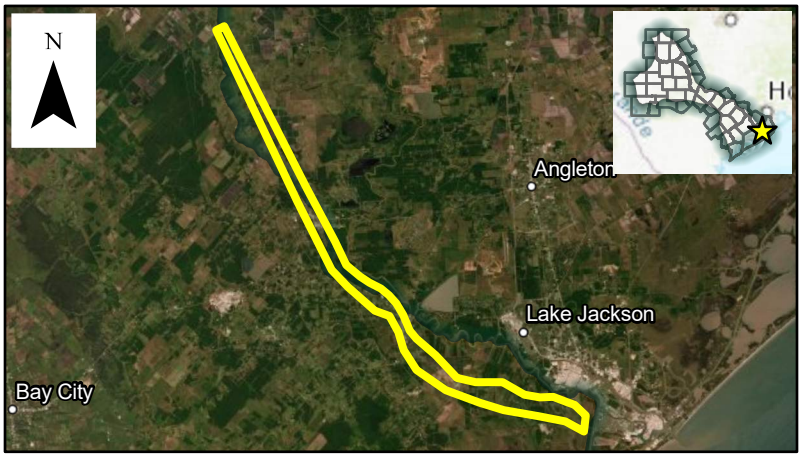
HUC#: 12090401,12070104 | Stream miles (est.): TBD

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

Farm/Ranch land impacted (acres): 0 | 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 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP
REGION 10

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

Sponsor (name of entity): Fort Bend (County) | Commitment: [X] Yes [ ] No

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

Study Type

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

[ ] Other

Problem Area

City: N/A | County: Fort Bend

Watershed name(s): Multiple Watersheds

Tributary(ies): Unnamed Tributary

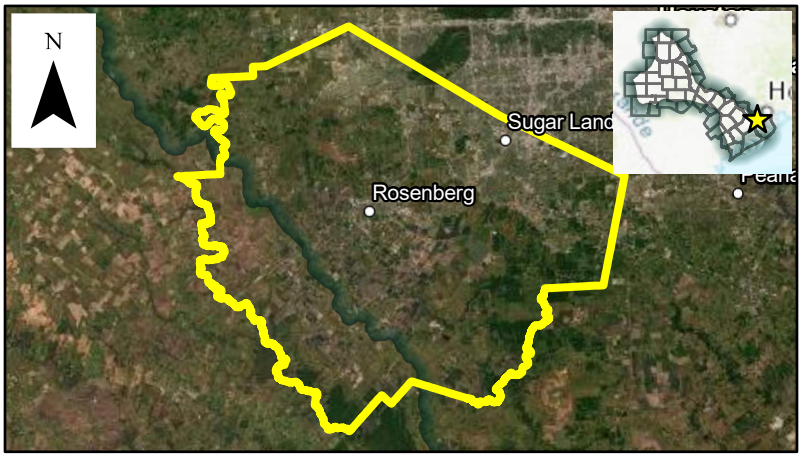
HUC#: 12090401,12070104 | Stream miles (est.): TBD

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.

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

Farm/Ranch land impacted (acres): 0 | 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 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Magnolia St | ID#: 101000029

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

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

Study Type

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

[ ] Other

Problem Area

City: Brownwood | County: Brown

Watershed name(s): Delaware Creek - Pecan Bayou

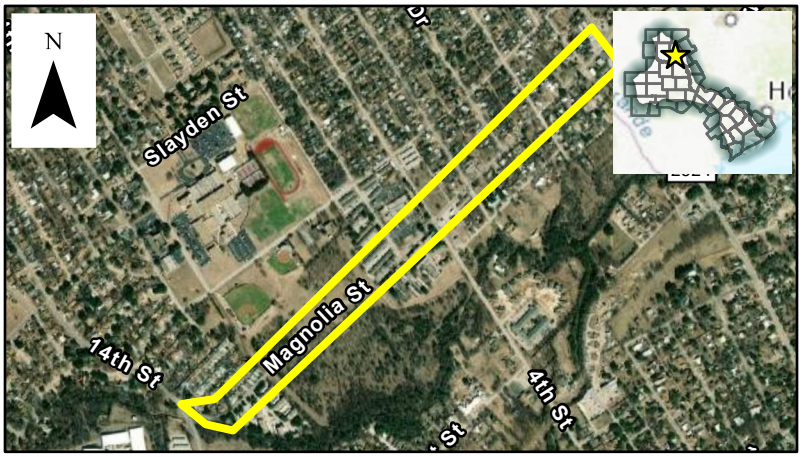
Tributary(ies): Willis Creek

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: 273 | Structures at risk: 91 | 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 | Potential funding source(s): TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

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

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

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

Study Type

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

[ ] Other

Problem Area

City: Brownwood | County: Brown

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

Tributary(ies): Unnamed Tributary

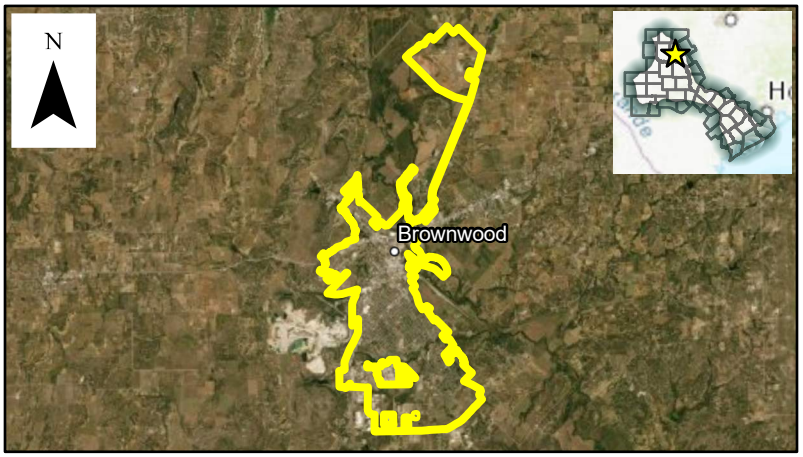
HUC#: 12090107 | Stream miles (est.): TBD

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

Social vulnerability index: 0.28

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

Other: Watershed Study



Flood Risk Description

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

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

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

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

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

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: CR257 at Pecan Bayou (Tenmile Crossing) ID#: 101000137

Sponsor (name of entity): Brown (County) Commitment: [X] Yes [ ] No

Technical committee recommend: [X] Yes [ ] No RFPG recommend: [ ] Yes [ ] No

Study Type

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

[ ] Other

Problem Area

City: N/A County: Brown

Watershed name(s): Double Creek - Pecan Bayou

Tributary(ies): Pecan Bayou

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

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

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

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

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title Delaware Creek Flood Study ID# 101000160

Sponsor (name of entity) Brownwood (Municipality) Commitment [X] Yes [ ] No

Technical committee recommend [X] Yes [ ] No RFPG recommend [ ] Yes [ ] No

Study Type

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

[ ] Other

Problem Area

City Brownwood County Brown

Watershed name(s) Delaware Creek - Pecan Bayou

Tributary(ies) Delaware Creek

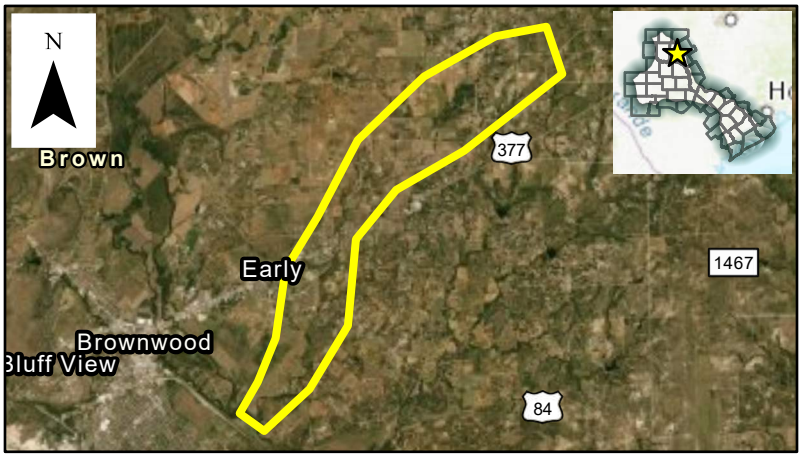
HUC# 12090107 Stream miles (est.) TBD

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 85 Structures at risk 54 Critical facilities at risk 0

Farm/Ranch land impacted (acres) 760 Roadway(s) impacted (miles) 2.21

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 Potential funding source(s) TBD

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Mission Hills Street | ID#: 101000032

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

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

Study Type

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

[ ] Other

Problem Area

City: Marble Falls | County: Burnet

Watershed name(s): Backbone Creek

Tributary(ies): Whitman Branch

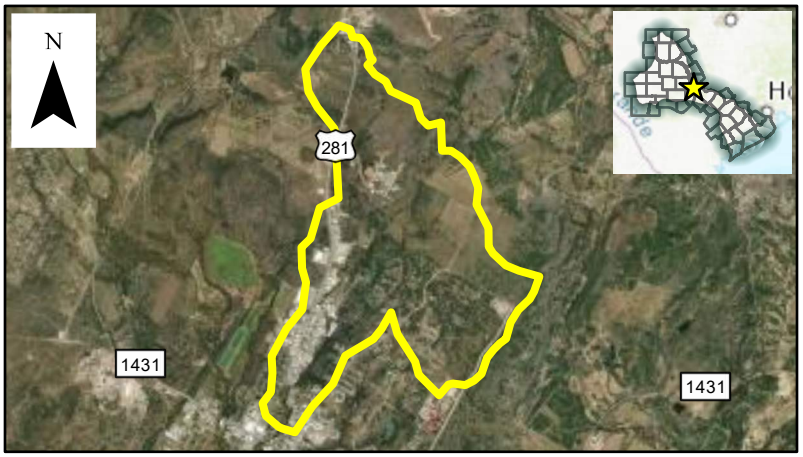
HUC#: 12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 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: 745 | 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

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

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP
REGION 10

Title Shade Grove Flood Study ID# 101000114

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

Technical committee recommend X Yes No RFPG recommend Yes No

Study Type

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

Other

Problem Area

City Burnet County Burnet

Watershed name(s) Headwaters Hamilton Creek

Tributary(ies) Unnamed Tributary

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

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

Social vulnerability index 0.19

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

Other Watershed Study

Flood Risk Description

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

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

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

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

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

Flood Management Evaluation (FME) STUDY

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

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

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

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

Study Type

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

[ ] Other

Problem Area

City: Marble Falls | County: Burnet

Watershed name(s): Backbone Creek

Tributary(ies): Whitman Branch

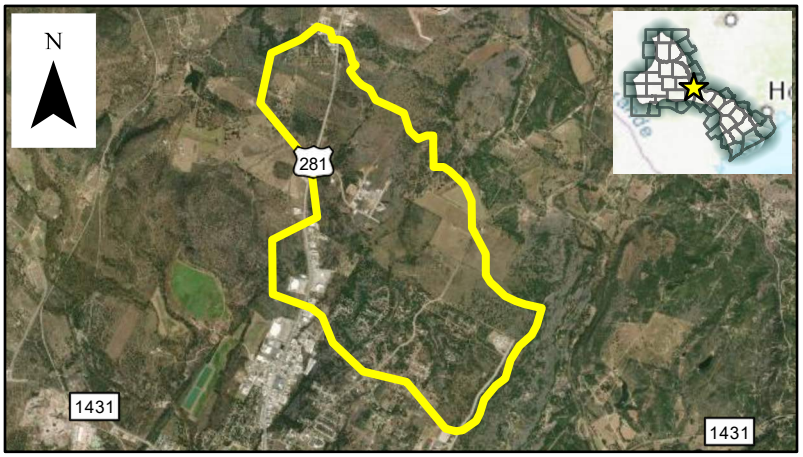
HUC#: 12090205 | Stream miles (est.): TBD

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

Social vulnerability index: 0.19

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

Other: Roadway/Crossing Improvements / Channel Improvements



Flood Risk Description

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

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

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

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

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