FME Batch 2C 25-May-22

_	ME Batch 2C 25-May							
	Action Number	Action Name	County	Batch Page Number	Tech Committee	Tech Committee Rec	RFPG Rec	RFPG Rec
				0				
-	101000067	Various Streets - Install Flood Early Warning System	Real and others	1				
	101000078	Hooten Holler in Richland Springs	San Saba	2				
	101000180	Countywide Floodplain Map Update	Sutton and others	3				
	101000081	Citywide Drainage Study	Travis	4				
	101000082	Citywide Drainage Study	Travis	5				
	101000084	Bee Creek Drainage Improvements	Travis	6				
2C	101000086	Citywide Drainage Study	Travis	7				
듄	101000087	Citywide Drainage Improvements (Removed Duplicate)	i	-				
Bai	101000135	Ulrich Water Treatment Plant (Moved FMP)	i	-				
	101000150	Jonestown 13 (Moved FMP)	i	-				
	101000163	Jones Brothers Park Flooding	Travis, Williamson	8				
	101000090	Various Streets - Upgrade Existing Roadway Crossings	Victoria	9				
	101000100	Pecan Street	Wharton	10				
	101000101	Town & Country Drive	Wharton	11		· ·	The state of the s	
	101000162	Countywide Floodplain Map Update	Wharton, Fort Bend	12				

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

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

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Technical committee recommend Yes

X Emergency preparedness Floodplain modeling, mapping and risk assessment

Feasibility study

Preliminary project engineering

Other

Problem Area

City N/A County Kerr

Watershed name(s)

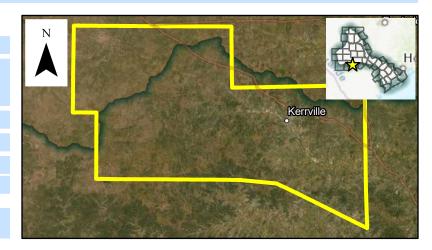
Tributary(ies) Unnamed Tributary

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 Yes

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles) 2.14

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$50,000

Potential funding source(s) TBD

Page 1 of 12

ID# 101000078 **Hooten Holler in Richland Springs** Title Sponsor (name of entity) San Saba (County) Commitment X Yes Lower Colorado-Lavaca **REGIONAL FLOOD PLANNING GROUP**

REGION 10

Study Type

Emergency preparedness

Technical committee recommend Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend Yes

Feasibility study

X Preliminary project engineering

Other

Problem Area

City N/A County San Saba Watershed Lower Richland Springs Creek

name(s)

Tributary(ies) Richland Springs Creek

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. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk 37

Structures at risk 43

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 695

Roadway(s) impacted (miles)

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

\$100,000

Potential funding source(s) TBD

FMEv2 051122 Page 2 of 12

ID# 101000180 Countywide Floodplain Map Update Sponsor (name of entity) Menard (County) Commitment X Yes Technical committee recommend Yes RFPG recommend Yes No Lower Colorado-Lavaca **REGIONAL FLOOD PLANNING GROUP**

REGION 10

Study Type

Emergency preparedness

X Floodplain modeling, mapping and risk assessment

Feasibility study

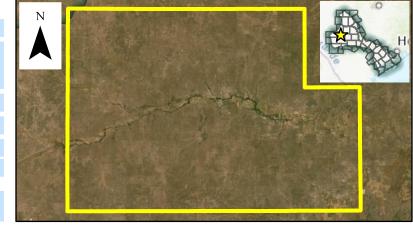
Preliminary project engineering

Other

Problem Area

City N/A County Menard 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.)



Flood Risk Description

Other Watershed Study

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

Population at risk 1,284

Structures at risk 896

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 93,035

Roadway(s) impacted (miles)

62.48

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

\$250,000

Potential funding source(s) TBD

FMEv2 051122 Page 3 of 12

Title Citywide Drainage Study ID# 101000081

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

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Technical committee recommend Yes

Emergency preparedness Floodplain modeling, mapping and risk assessment

Feasibility study

X Preliminary project engineering

Other

Problem Area

City Jonestown

County Travis

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

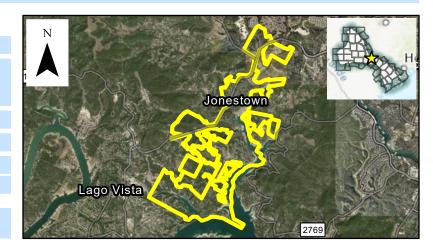
Tributary(ies) Big Sandy Creek

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 Watershed Study



Flood Risk Description

The City has multiple local drainage problems and portions of the City are at risk of flooding. Study results will provide amore detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

RFPG recommend Yes

Population at risk 235

Structures at risk 322

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 423

Roadway(s) impacted (miles)

2.48

Scope of Study

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 \$200,000

Potential funding source(s) TBD

Page 4 of 12

ID# 101000082 Citywide Drainage Study Title 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 Yes

X Floodplain modeling, mapping and risk assessment

RFPG recommend 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.)

Other Watershed Study



Flood Risk Description

The City has multiple local drainage problems and portions of the City are at risk of flooding. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk 813

Structures at risk 542

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 658

Roadway(s) impacted (miles)

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

Potential funding source(s) TBD

FMEv2 051122 Page 5 of 12

Title Bee Creek Drainage Improvements ID# 101000084

Sponsor (name of entity) West Lake Hills (Municipality) Commitment X Yes No

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness Floodpla

Technical committee recommend Yes

Floodplain modeling, mapping and risk assessment

Feasibility study

X Preliminary project engineering

Other

Problem Area

City West Lake Hills County Travis

Watershed Lake Austin - Town Lake name(s)

Tributary(ies) Little Bee Creek

HUC# 12090205 Stream miles (est.) 1.25

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

Social vulnerability index 0.15

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

Other Channel Improvements



Flood Risk Description

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

RFPG recommend Yes No

Population at risk 25

Structures at risk 14

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 18

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, 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

Page 6 of 12

Title Citywide Drainage Study ID# 101000086

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

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

X Floodplain modeling, mapping and risk assessment

Feasibility study

Preliminary project engineering

Other

Problem Area

City San Leanna County Travis

Technical committee recommend Yes No

Watershed Slaughter Creek - Onion Creek 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. 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.

RFPG recommend Yes No

Population at risk 7

Structures at risk 8

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 5

Roadway(s) impacted (miles)

0.10

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$250,000

Potential funding source(s) TBD

Page 7 of 12

ID# 101000163 Jones Brothers Park Flooding Title Sponsor (name of entity) Jonestown (Municipality) Commitment X Yes Lower Colorado-Lavaca **REGIONAL FLOOD PLANNING GROUP**

REGION 10

Study Type

Emergency preparedness

Technical committee recommend Yes No

X Floodplain modeling, mapping and risk assessment

Feasibility study

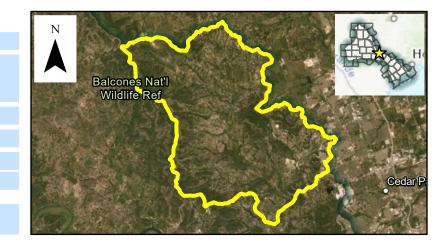
Preliminary project engineering

Other

Problem Area

City Jonestown County Travis Watershed Big Sandy Creek name(s) Tributary(ies) Big Sandy Creek 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.)



Flood Risk Description

Other Drainage System Improvements

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 Yes No

Population at risk 290

Structures at risk 297

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 1,595

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)

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

Potential funding source(s) TBD

FMEv2 051122 Page 8 of 12

Title Various Streets - Upgrade Existing Roadway Crossings ID# 101000090

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

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend Yes

Floodplain modeling, mapping and risk assessment

Feasibility study

X Preliminary project engineering

Other

Problem Area

City Victoria County Victoria

Watershed Unnamed Watershed name(s)

Tributary(ies) Unnamed Tributary

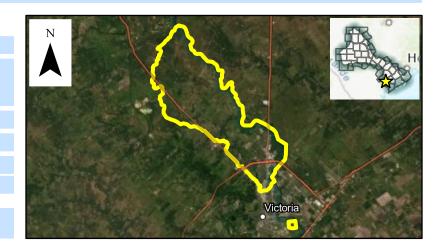
HUC# 12100204,12100402 Stream miles (est.) TBD

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

Social vulnerability index 0.62

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

Other Roadway/Crossing Improvements



Flood Risk Description

The Sponsor has indicated there are multiple low water crossings that are undersized and overtop. Proposed improvements include upsizing the culverts.

RFPG recommend Yes No

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

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

Potential funding source(s) TBD

Page 9 of 12

Title Pecan Street ID# 101000100

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

or acreage, est.

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend Yes

Floodplain modeling, mapping and risk assessment

RFPG recommend Yes

Feasibility study

X 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

HUC# 12100401 Stream miles (est.) TBD

Social vulnerability index 0.81

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

Other Drainage System Improvements

Drainage area: square miles, est 0.00



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. Study results will provide a more detailed assessment of existing flood and potential flod risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk 0

Structures at risk 5

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

1.10

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$100,000

Potential funding source(s) TBD

Page 10 of 12

Title Town & Country Drive ID# 101000101

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

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

Technical committee recommend Yes

Floodplain modeling, mapping and risk assessment

Feasibility study

X 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

HUC# 12100401

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. 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 Yes No

Population at risk 0

Structures at risk 25

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles)

0.50

Scope of Study

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

Related Goal(s)

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

Estimated Study Cost

Cost \$100,000

Potential funding source(s) TBD

Page 11 of 12

Title Citywide Floodplain Map Update ID# 101000162

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

Lower Colorado-Lavaca
REGIONAL FLOOD
PLANNING GROUP

REGION 10

Study Type

Emergency preparedness

X Floodplain modeling, mapping and risk assessment

RFPG recommend Yes No

Feasibility study

Preliminary project engineering

Other

Problem Area

City East Bernard County Wharton

Watershed Boone Branch - San Bernard River

Technical committee recommend Yes No

name(s)

Tributary(ies) Britt Branch, San Bernard River

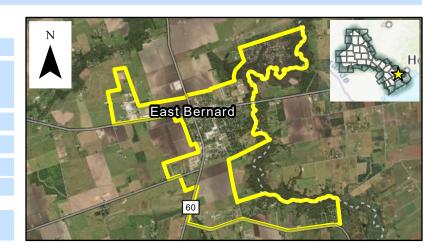
HUC# 12090401 Stream miles (est.) TBD

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 203

Structures at risk 158

Critical facilities at risk 0

4.14

Farm/Ranch land impacted (acres) 253

Roadway(s) impacted (miles)

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

Potential funding source(s) TBD

Page 12 of 12