

Flood Management Strategy (FMS)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title **Brazoria County Increased Cost of Compliance Education**

ID# **062000013** Sponsor **Brazoria (County)**

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

Strategy Details

Strategy type	Education and Outreach		
Strategy description	Implement campaign on public education of ICC (Increased Cost of Compliance) coverage.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	1,482
Watershed HUC# (if known)	120402040300,120402040200,120402040400,120402040100		County Brazoria

Existing 100-Year Flood Risk

Population at risk	38,623	# of structures	18,845	Critical facilities	248
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	8,577	Roadway(s) impacted (miles)	328		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Public Education	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$20,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleBrazoria County Structure Elevation

ID#062000031SponsorBrazoria (County)

RFPG recommend?Yes

Reason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeProperty Acquisition and Structural Elevation

Strategy descriptionElevate structures in flood zone. Over 70% of these structures are pre-firm and do not meet current FEMA elevation standards. FEMA estimates that over 400 structures may be substantially damaged and must be elevated to meet current standards.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)1,482

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

CountyBrazoria

Existing 100-Year Flood Risk

Population at risk38,626# of structures18,848Critical facilities248

Flood risk type:Riverine?YesCoastal?YesLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)8,584Roadway(s) impacted (miles)328

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits-Reduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$60,000,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleBrazoria County Non-structural Mitigation / Land Preservation

ID#062000032SponsorBrazoria (County)

RFPG recommend?Yes

Reason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeProperty Acquisition and Structural Elevation

Strategy descriptionUp to 35,0000 acres of land could be purchased to help reduce the impacts of natrual hazards by converting the space to floodwater storage, groundwater recharge, erosion, drought mitigation, in the form of public green space.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)1,482

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

CountyBrazoria

Existing 100-Year Flood Risk

Population at risk38,626# of structures18,848Critical facilities248

Flood risk type:Riverine?YesCoastal?YesLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)8,584Roadway(s) impacted (miles)328

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsEnvironmental, Low Impact Development FeaturesReduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$65,000,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Brazoria County Dam and Levee Failure Outreach and Education campaign**

ID# **062000034** Sponsor **Brazoria (County)**

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

Strategy Details

Strategy type	Education and Outreach		
Strategy description	Implement an outreach and education campaign to educate the public on mitigation techniques for dam and levee failure to reduce loss of life and property.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	1,482
Watershed HUC# (if known)	120402040300,120402040200,120402040400,120402040100		County Brazoria

Existing 100-Year Flood Risk

Population at risk	38,626	# of structures	18,848	Critical facilities	248
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	8,584	Roadway(s) impacted (miles)	328		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Public Education	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$20,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

TitleDevelop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County

ID#062000015SponsorGalveston (County)



RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeRegulatory and Guidance

Strategy descriptionReview planning needs annually to include, but not be limited to, CEMP, debris management, stormwater management, master plan, drainage, drought, GIS mapping, complete study to locate areas prone to expansive soils and land subsidence, etc.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)665

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

Existing 100-Year Flood Risk

Population at risk102,742# of structures48,566Critical facilities680

Flood risk type:Riverine?YesCoastal?YesLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)3,412Roadway(s) impacted (miles)910

Number of low water crossings30Historical road closures30

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits -Reduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$100,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

TitleGalveston County-wide Education and Outreach

ID#062000018SponsorGalveston (County)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeEducation and Outreach

Strategy descriptionProvide educational information related to preparedness, mitigation, response, and recovery to the public.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)665

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

Existing 100-Year Flood Risk

Population at risk102,735# of structures48,564Critical facilities680

Flood risk type:Riverine?YesCoastal?YesLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)3,415Roadway(s) impacted (miles)910

Number of low water crossings30Historical road closures30

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsPublic EducationReduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$50,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

REGION 6

Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Infrastructure Projects"/>		
Strategy description	<input type="text" value="Stormproof/retrofit critical facilities and infrastructure for county-owned properties and unincorporated areas."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="665"/>
Watershed HUC# (if known)	<input type="text" value="120402040300,120402040200,120402040400,120402040100"/>		County <input type="text" value="Galveston"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="102,739"/>	# of structures	<input type="text" value="48,564"/>	Critical facilities	<input type="text" value="680"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="3,416"/>	Roadway(s) impacted (miles)	<input type="text" value="909"/>		
Number of low water crossings	<input type="text" value="30"/>	Historical road closures	<input type="text" value="30"/>		

100-Year Flood Risk Reduction

Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="Public Uplift"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$5,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

Title Mitigate Repetitive Flood Claim & Severe Repetitive Loss Properties in Galveston County

ID# 062000064 Sponsor Galveston (County)



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

Strategy Details

Strategy type	Property Acquisition and Structural Elevation		
Strategy description	Grant funding through HMGP may be used to mitigate RFC and SRL properties. Mitigation option will be implemented with property owners as funding and opportunities arise.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	14
Watershed HUC# (if known)	120402040200	County	Galveston

Existing 100-Year Flood Risk

Population at risk	1,455	# of structures	829	Critical facilities	8
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	38	Roadway(s) impacted (miles)	31		
Number of low water crossings	1	Historical road closures	1		

100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

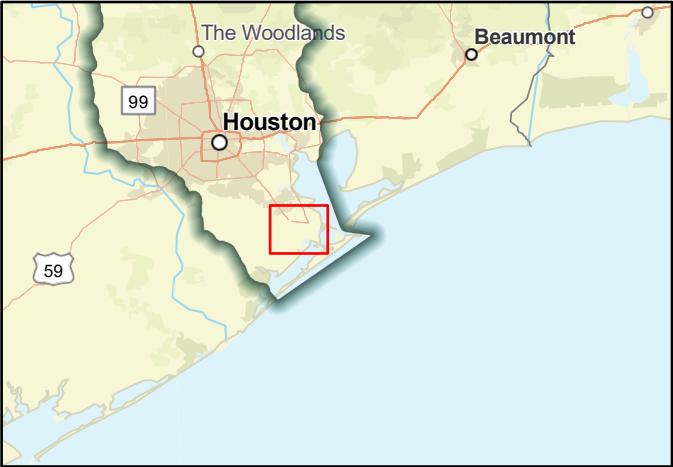
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$30,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Education and Outreach"/>		
Strategy description	<input type="text" value="Utilizing the existing public outreach capability to develop, deploy, and disseminate targeted outreach projects promoting risk communication, mitigation and resilience to all the hazards of concern."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="1,771"/>
Watershed HUC# (if known)	<input type="text" value="-"/>		County <input type="text" value="Harris"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="590,954"/>	# of structures	<input type="text" value="143,642"/>	Critical facilities	<input type="text" value="2,332"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="5,993"/>	Roadway(s) impacted (miles)	<input type="text" value="2,408"/>		
Number of low water crossings	<input type="text" value="89"/>	Historical road closures	<input type="text" value="89"/>		

100-Year Flood Risk Reduction

Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="Public Education"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$100,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleHarris County Hazard Mitigation Action AW-4

ID#062000009SponsorHarris (County)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeFlood Measurement and Warning

Strategy descriptionStrive to capture time-sensitive data such as high-water marks, extent and location of hazard, and loss information to support future updates to risk assessments as well as other plans and programs that utilize hazard extent data.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)1,771

Watershed HUC# (if known)-CountyHarris

Existing 100-Year Flood Risk

Population at risk590,954# of structures143,642Critical facilities2,332

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)5,993Roadway(s) impacted (miles)2,408

Number of low water crossings89Historical road closures89

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits-Reduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$300,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleHarris County Hazard Mitigation Action AW-5

ID#062000010SponsorHarris (County)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeFlood Measurement and Warning

Strategy descriptionContinue to develop, improve, and implement an enhanced mass public warning and alert system within the Harris County Joint Information Center to provide warning capability throughout Harris County to support the emergency management of all hazards.

Associated FME's999999Associated FMP's999999

Associated FMS's999999Drainage area (mi², est.)1,771

Watershed HUC# (if known)-CountyHarris

Existing 100-Year Flood Risk

Population at risk590,954# of structures143,642Critical facilities2,332

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)5,993Roadway(s) impacted (miles)2,408

Number of low water crossings89Historical road closures89

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsPublic EducationReduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$100,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleHarris County Hazard Mitigation Action AW-6

ID#062000011SponsorHarris (County)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeFlood Measurement and Warning

Strategy descriptionUtilize viable and relevant information, data and tools (Hazus models) developed as part of the update to the risk assessment of this plan update to support training and exercise of the County's preparedness, response and recovery programs.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)1,771

Watershed HUC# (if known)-CountyHarris

Existing 100-Year Flood Risk

Population at risk590,954# of structures143,642Critical facilities2,332

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)5,993Roadway(s) impacted (miles)2,408

Number of low water crossings89Historical road closures89

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits-Reduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$500,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

TitleHarris County Mitigation Buyout and Relocation Program

ID#062000060SponsorHarris (County)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeProperty Acquisition and Structural Elevation

Strategy descriptionThis program is designed to assist owners whose properties were damaged by a natural disaster and or in an area that is designated hopelessly deep in the floodplain and repetitively flooded, to relocate outside the threat of flooding.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)1,771

Watershed HUC# (if known)-CountyHarris

Existing 100-Year Flood Risk

Population at risk590,954# of structures143,642Critical facilities2,332

Flood risk type:Riverine?YesCoastal?YesLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)5,993Roadway(s) impacted (miles)2,408

Number of low water crossings89Historical road closures89

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsPublic UpliftReduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$75,000,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Infrastructure Projects"/>		
Strategy description	<input type="text" value="Project will clear obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding in all participating jurisdictions."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="516"/>
Watershed HUC# (if known)	<input type="text" value="120401020102,120401020103,120401020204,120401020101,1204010202"/>		County <input type="text" value="Waller"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="1,859"/>	# of structures	<input type="text" value="1,067"/>	Critical facilities	<input type="text" value="6"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="1,357"/>	Roadway(s) impacted (miles)	<input type="text" value="41"/>		
Number of low water crossings	<input type="text" value="19"/>	Historical road closures	<input type="text" value="19"/>		

100-Year Flood Risk Reduction

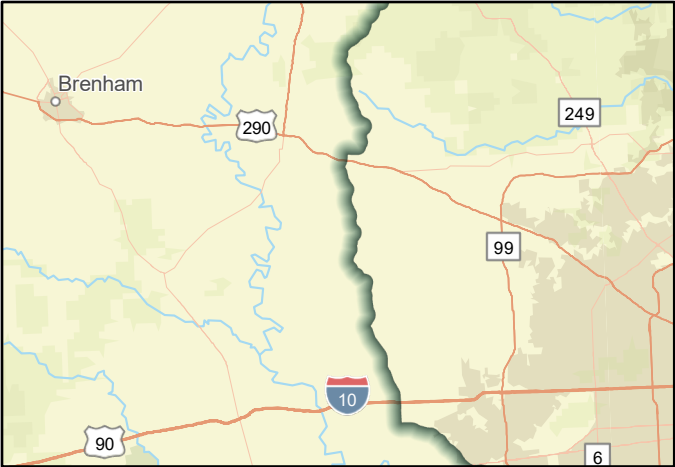
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$2,500,000"/>	Amount of available funding	<input type="text" value="1250000"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleWaller County Flood Hazard Public Information Campaign

ID#062000041SponsorWaller (County)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeEducation and Outreach

Strategy descriptionPosting of signage at high profile locations and use of social media to communicate threats/concerns. Flood gauges for common flooded road crossings. Burn ban signs.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Watershed HUC# (if known)120401020102,120401020103,120401020204,120401020101,120401020205Drainage area (mi², est.)516

CountyWaller

Existing 100-Year Flood Risk

Population at risk1,859# of structures1,067Critical facilities6

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)1,357Roadway(s) impacted (miles)41

Number of low water crossings19Historical road closures19

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsPublic EducationReduction in # of road closures over 10 years-

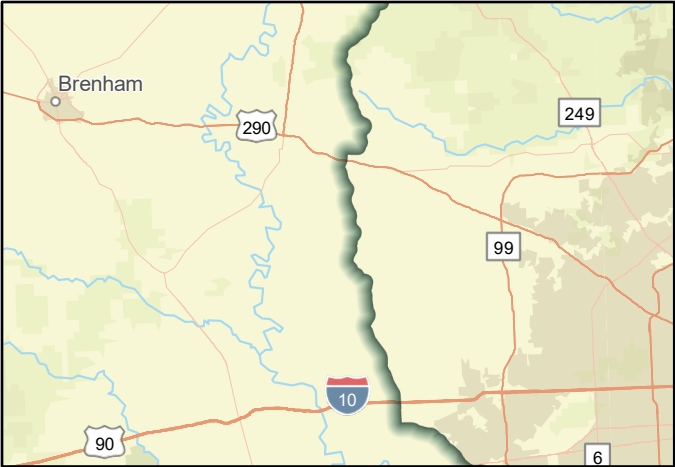
Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$20,000Amount of available funding10000% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleWaller County Freeboard Requirement Update

ID#062000042SponsorWaller (County)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeRegulatory and Guidance

Strategy descriptionThe county may increase its freeboard requirement to 24-in from 18-in above the base flood elevation. County may require that all new lots within a platted subdivision be located fully outside of the floodplain. Applicable to all floodplain development.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)516

Watershed HUC# (if known)120401020102,120401020103,120401020204,120401020101,1204010202CountyWaller

Existing 100-Year Flood Risk

Population at risk1,859# of structures1,067Critical facilities6

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)1,357Roadway(s) impacted (miles)41

Number of low water crossings19Historical road closures19

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits -Reduction in # of road closures over 10 years-

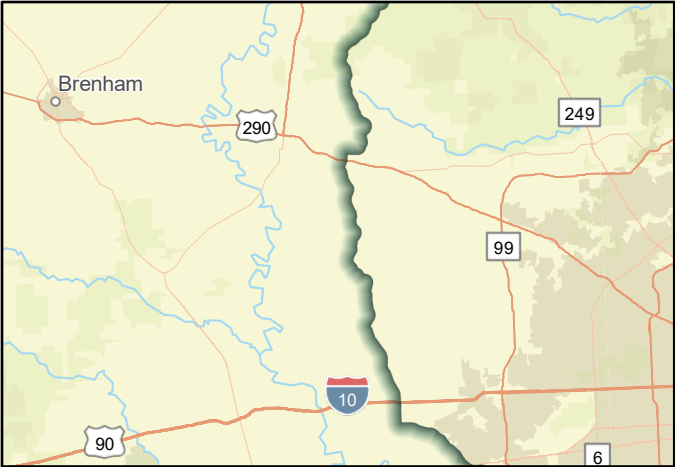
Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$100,000Amount of available funding100000% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Regulatory and Guidance"/>		
Strategy description	<input type="text" value="Require and maintain FEMA elevation certificates for all new/improved building in the special flood hazard area (SFHA)."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="798"/>
Watershed HUC# (if known)	<input type="text" value="120401010104,120401010101,120401010102,120401010103,1204010102"/>		County <input type="text" value="Waller"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="545"/>	# of structures	<input type="text" value="505"/>	Critical facilities	<input type="text" value="1"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="180"/>	Roadway(s) impacted (miles)	<input type="text" value="25"/>		
Number of low water crossings	<input type="text" value="2"/>	Historical road closures	<input type="text" value="2"/>		

100-Year Flood Risk Reduction

Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

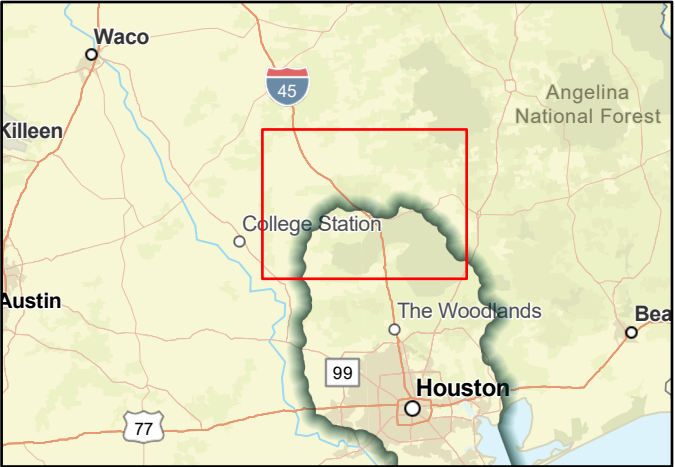
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$50,000"/>	Amount of available funding	<input type="text" value="25000"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleLiberty County Regional Coordination

ID#062000065SponsorLiberty (County)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeOther

Strategy descriptionWork with adjoining counties regarding flooding and drainage issues.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Watershed HUC# (if known)120401030201,120401030108,120401030109,120401030205,1204010304Drainage area (mi², est.)1,170

CountyLiberty

Existing 100-Year Flood Risk

Population at risk3,576# of structures3,619Critical facilities8

Flood risk type:Riverine?YesCoastal?YesLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)1,379Roadway(s) impacted (miles)144

Number of low water crossings7Historical road closures7

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits -Reduction in # of road closures over 10 years-

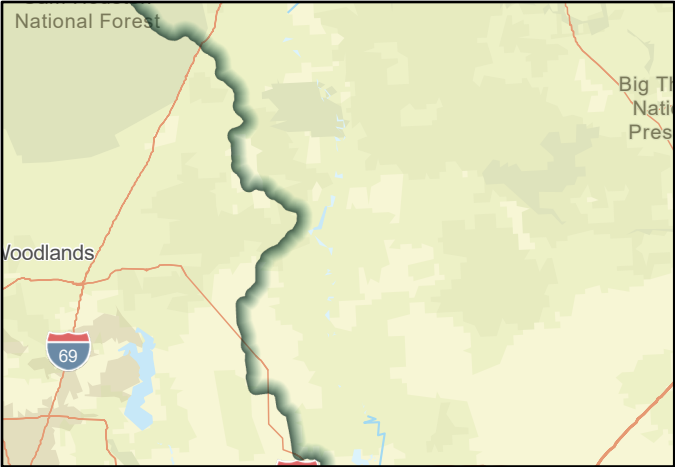
Impacts

Negative impacts?NoNegative impacts description-

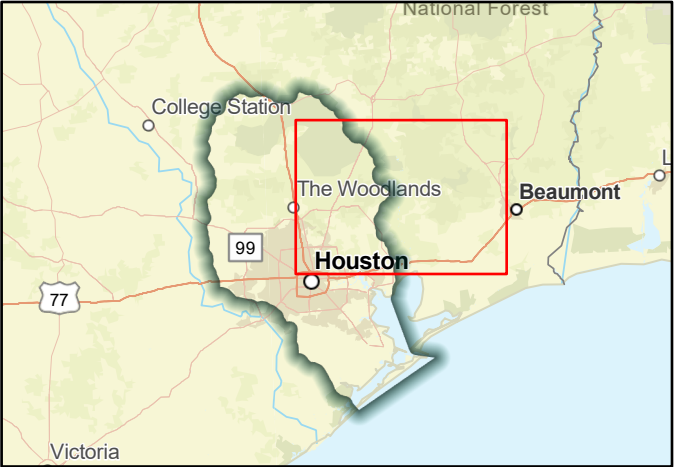
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$500,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleExpand Development of Emergency Notification System in Liberty County

ID#062000023SponsorLiberty (County)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeEducation and Outreach

Strategy descriptionExpand development of emergency notification system/work to establish public awareness of emergency notification process.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Watershed HUC# (if known)120401030201,120401030108,120401030109,120401030205,1204010304Drainage area (mi², est.)1,170

CountyLiberty

Existing 100-Year Flood Risk

Population at risk3,575# of structures3,617Critical facilities8

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)1,379Roadway(s) impacted (miles)144

Number of low water crossings7Historical road closures7

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsPublic EducationReduction in # of road closures over 10 years-

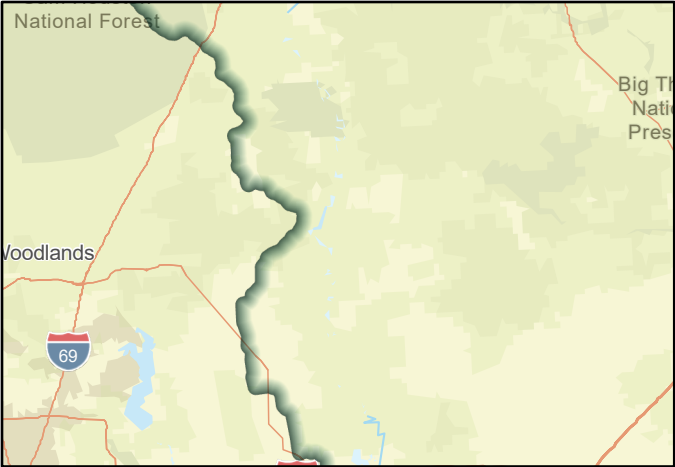
Impacts

Negative impacts?NoNegative impacts description-

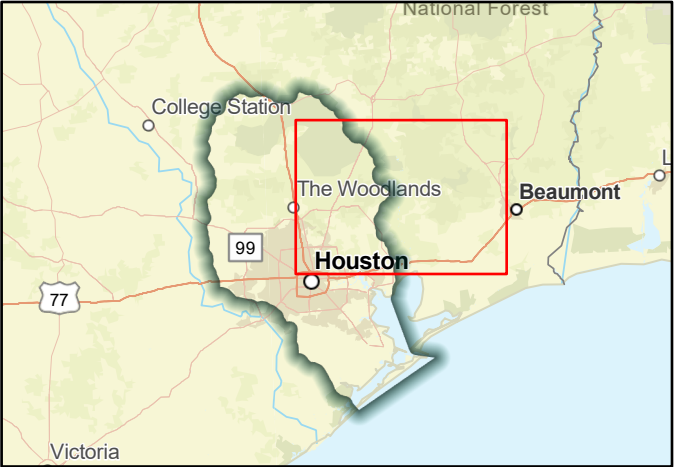
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$10,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

TitleLiberty County Floodplain Acquisition

ID#062000055SponsorLiberty (County)

RFPG recommend?Yes

Reason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeProperty Acquisition and Structural Elevation

Strategy descriptionAcquisition of property in the floodplain.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)665

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

CountyLiberty

Existing 100-Year Flood Risk

Population at risk102,755# of structures48,570Critical facilities681

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)3,412Roadway(s) impacted (miles)910

Number of low water crossings30Historical road closures30

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits -Reduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$750,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Property Acquisition Down-Stream of High Hazard Dams in Grimes County**

ID# **062000037** Sponsor **Grimes (County)**

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

Strategy Details

Strategy type	Property Acquisition and Structural Elevation		
Strategy description	Acquire homes located down-stream of high hazard dams.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	799
Watershed HUC# (if known)	120401010101,120401010301,120401010302,120401010303,1204010101		County Grimes

Existing 100-Year Flood Risk

Population at risk	95	# of structures	145	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	151	Roadway(s) impacted (miles)	11		
Number of low water crossings	1	Historical road closures	1		

100-Year Flood Risk Reduction

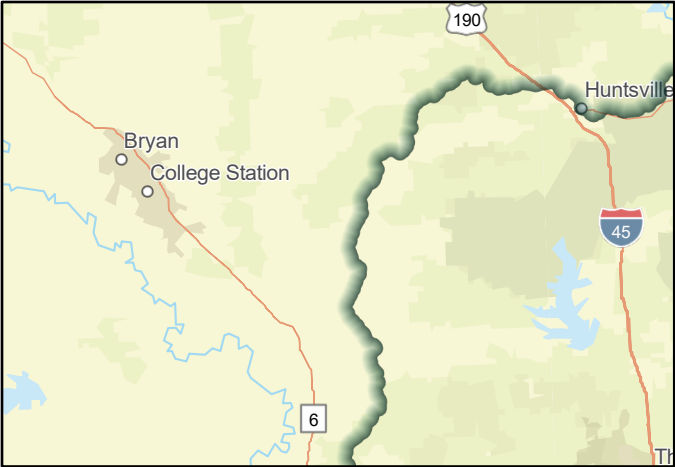
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$1,000,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleAmending Grimes County Floodplain Ordinance

ID#062000035SponsorGrimes (County)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeRegulatory and Guidance

Strategy descriptionProhibit the building of any new structures located down-stream of high hazard dams by amending the floodplain ordinance.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Watershed HUC# (if known)120401010101,120401010301,120401010302,120401010303,120401010101Drainage area (mi², est.)799

CountyGrimes

Existing 100-Year Flood Risk

Population at risk95# of structures145Critical facilities0

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)151Roadway(s) impacted (miles)11

Number of low water crossings1Historical road closures1

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits -Reduction in # of road closures over 10 years-

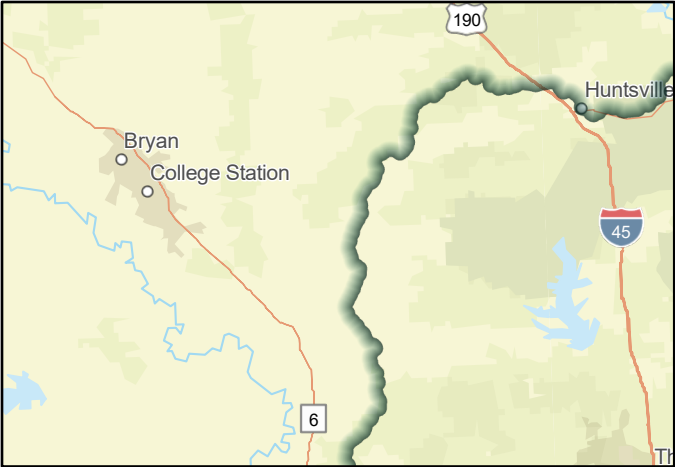
Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$20,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Property Acquisition and Structural Elevation"/>		
Strategy description	<input type="text" value="Per NFIP participation, the acquisition of structures located in the 100-year flood plain and in dam inundation areas."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="799"/>
Watershed HUC# (if known)	<input type="text" value="120401010101,120401010301,120401010302,120401010303,1204010101"/>		County <input type="text" value="Grimes"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="95"/>	# of structures	<input type="text" value="145"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="151"/>	Roadway(s) impacted (miles)	<input type="text" value="11"/>		
Number of low water crossings	<input type="text" value="1"/>	Historical road closures	<input type="text" value="1"/>		

100-Year Flood Risk Reduction

Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$95,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleWalker County Property Acquisition in Deep River Plantation Subdivision

ID#062000038SponsorWalker (County)

RFPG recommend?NoReason for RecommendationOutside of San Jacinto region.

Strategy Details

Strategy typeProperty Acquisition and Structural Elevation

Strategy descriptionAcquire flood loss properties and properties prone to flooding in the Deep River Plantation Subdivision.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Watershed HUC# (if known)120401010104,120401010101,120401010102,120401010103,1204010102Drainage area (mi², est.)798

CountyWalker

Existing 100-Year Flood Risk

Population at risk545# of structures505Critical facilities1

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)180Roadway(s) impacted (miles)25

Number of low water crossings2Historical road closures2

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits -Reduction in # of road closures over 10 years -

Impacts

Negative impacts?NoNegative impacts description-

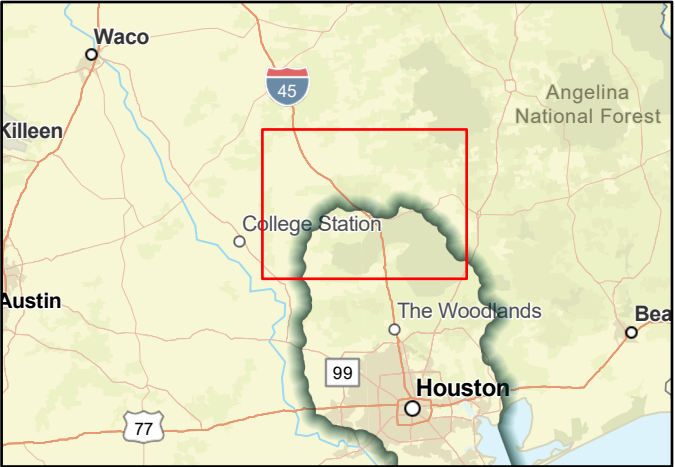
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$2,475,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title Walker County Public Information and Awareness

ID# 062000027 Sponsor Walker (County)

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

Strategy Details

Strategy type	Flood Measurement and Warning		
Strategy description	Purchase high water (flood) indicators for low water river crossing for county roads.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	798
Watershed HUC# (if known)	120401010104,120401010101,120401010102,120401010103,1204010102		County Walker

Existing 100-Year Flood Risk

Population at risk	545	# of structures	505	Critical facilities	1
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	180	Roadway(s) impacted (miles)	25		
Number of low water crossings	2	Historical road closures	2		

100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

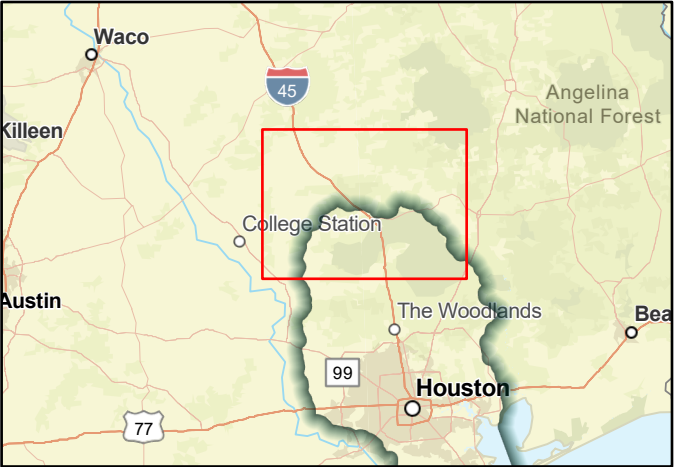
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$248,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Education and Outreach"/>		
Strategy description	<input type="text" value="Install Outdoor Early warning System to provide citizens early warning of an impending disaster, or an event that would affect the life and/or property of the citizens."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="798"/>
Watershed HUC# (if known)	<input type="text" value="120401010104,120401010101,120401010102,120401010103,1204010102"/>		County <input type="text" value="Walker"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="545"/>	# of structures	<input type="text" value="505"/>	Critical facilities	<input type="text" value="1"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="180"/>	Roadway(s) impacted (miles)	<input type="text" value="25"/>		
Number of low water crossings	<input type="text" value="2"/>	Historical road closures	<input type="text" value="2"/>		

100-Year Flood Risk Reduction

Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="Public Education"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

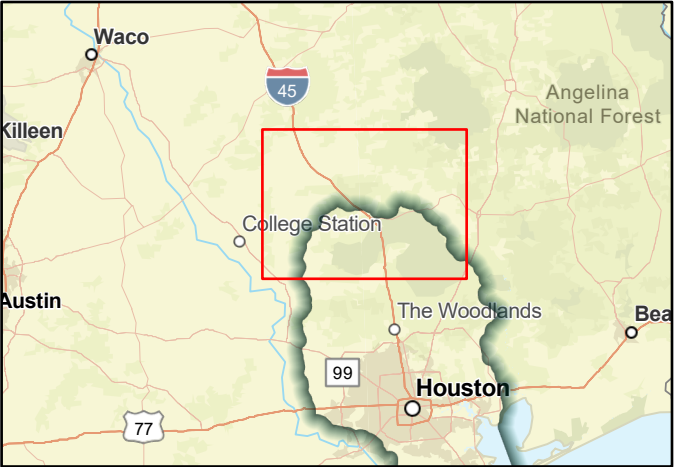
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$850,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title Walker County Public Hazard Information and Awareness Campaign

ID# 062000044 Sponsor Walker (County)

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

Strategy Details

Strategy type	Education and Outreach		
Strategy description	The county and participating jurisdiction will create and implement an education campaign to educate the public on mitigation techniques for all hazards.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	798
Watershed HUC# (if known)	120401010104,120401010101,120401010102,120401010103,1204010102		County Walker

Existing 100-Year Flood Risk

Population at risk	545	# of structures	505	Critical facilities	1
Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	180	Roadway(s) impacted (miles)	25		
Number of low water crossings	2	Historical road closures	2		

100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Public Education	Reduction in # of road closures over 10 years	-

Impacts

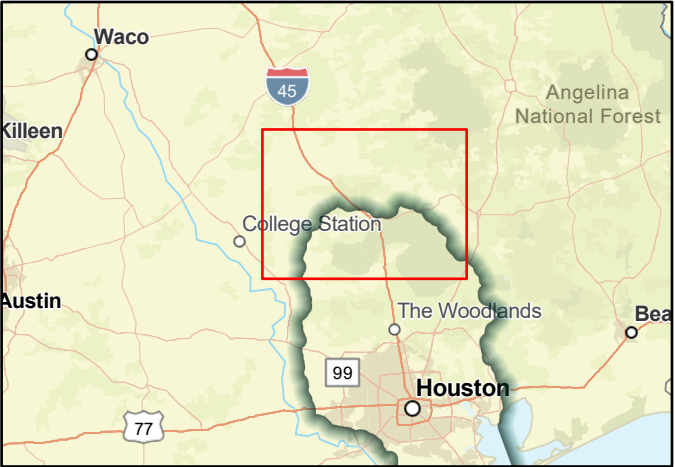
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$20,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

TitleRetrofit and Harden the Emergency Operations Center Serving Walker County

ID#062000045SponsorWalker (County)



RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeEducation and Outreach

Strategy descriptionRetrofit and harden the Emergency Operations Center serving Walker county including city of Huntsville, New Waverly, and Riverside.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)798

Watershed HUC# (if known)120401010104,120401010101,120401010102,120401010103,1204010102CountyWalker

Existing 100-Year Flood Risk

Population at risk545# of structures505Critical facilities1

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)180Roadway(s) impacted (miles)25

Number of low water crossings2Historical road closures2

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsPublic UpliftReduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

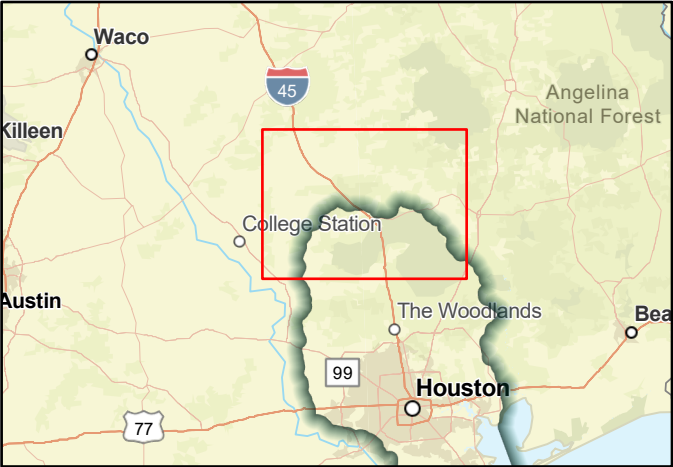
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$4,000,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Property Acquisition and Structural Elevation"/>		
Strategy description	<input type="text" value="Targeted home buyouts to reduce flood damages in areas several feet deep in the floodplain where structural projects to reduce flooding are not cost-effective and/or beneficial."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="1,771"/>
Watershed HUC# (if known)	<input type="text" value="-"/>		County <input type="text" value="Harris"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="590,954"/>	# of structures	<input type="text" value="143,642"/>	Critical facilities	<input type="text" value="2,332"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="5,993"/>	Roadway(s) impacted (miles)	<input type="text" value="2,408"/>		
Number of low water crossings	<input type="text" value="89"/>	Historical road closures	<input type="text" value="89"/>		

100-Year Flood Risk Reduction

Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$500,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitlePromotion of Flood Insurance in City of Arcola

ID#062000020SponsorArcola (Municipality)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeEducation and Outreach

Strategy descriptionPromote the purchase of flood insurance. Advertise the availability, cost, and coverage of flood insurance through the NFIP.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Watershed HUC# (if known)120402040400

Drainage area (mi², est.)3

CountyFort Bend

Existing 100-Year Flood Risk

Population at risk39# of structures41Critical facilities0

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)1Roadway(s) impacted (miles)0

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsPublic EducationReduction in # of road closures over 10 years-

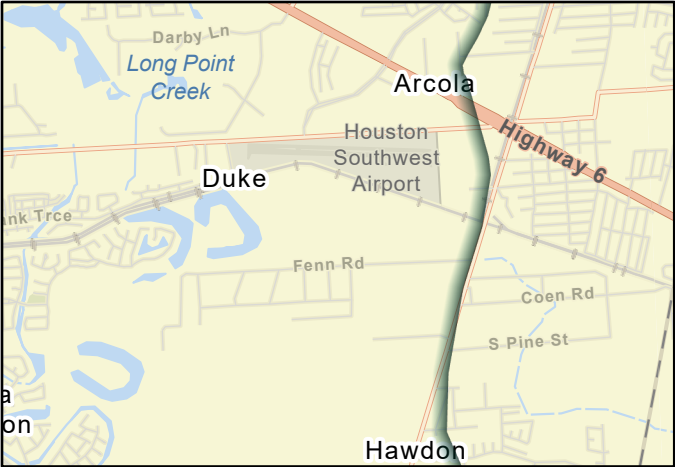
Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$50,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

TitleIncrease Public Awareness of Hazards in City of Arcola

ID#062000022SponsorArcola (Municipality)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeEducation and Outreach

Strategy descriptionIncrease public awareness of hazards and hazardous areas. Distribute public awareness information regarding flood hazards.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Watershed HUC# (if known)120402040400

Drainage area (mi², est.)3

CountyFort Bend

Existing 100-Year Flood Risk

Population at risk39# of structures41Critical facilities0

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)1Roadway(s) impacted (miles)0

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsPublic EducationReduction in # of road closures over 10 years-

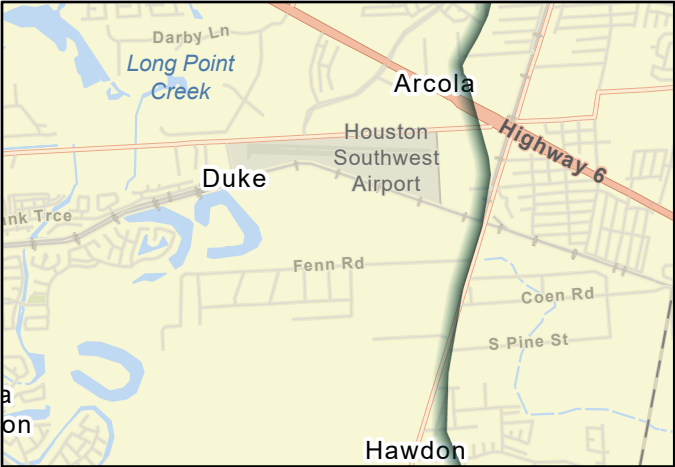
Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$50,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

TitleCity of Alvin CRS Application

ID#062000012SponsorAlvin (Municipality)



RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeOther

Strategy descriptionApply and once accepted maintain and/or improve CRS status. Cost is time, data and preparation of a CRS application. Benefit, if approved homeowner with flood insurance could receive a discount based on the City's CRS score.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)16

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

CountyBrazoria

Existing 100-Year Flood Risk

Population at risk15,209# of structures3,428Critical facilities18

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)176Roadway(s) impacted (miles)52

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits-Reduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$25,000Amount of available funding25000% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Regulatory and Guidance"/>		
Strategy description	<input type="text" value="Hire a full-time floodplain administrator who can support CRS application, NFIP, mapping and community floodplain support. A dedicated employee could help the community obtain CRS status and full time flood plain support."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="25"/>
Watershed HUC# (if known)	<input type="text" value="120402040300,120402040200,120402040400,120402040100"/>		County
			<input type="text" value="Brazoria,Galveston,Fort Bend"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="15,192"/>	# of structures	<input type="text" value="3,445"/>	Critical facilities	<input type="text" value="18"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="262"/>	Roadway(s) impacted (miles)	<input type="text" value="57"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

100-Year Flood Risk Reduction

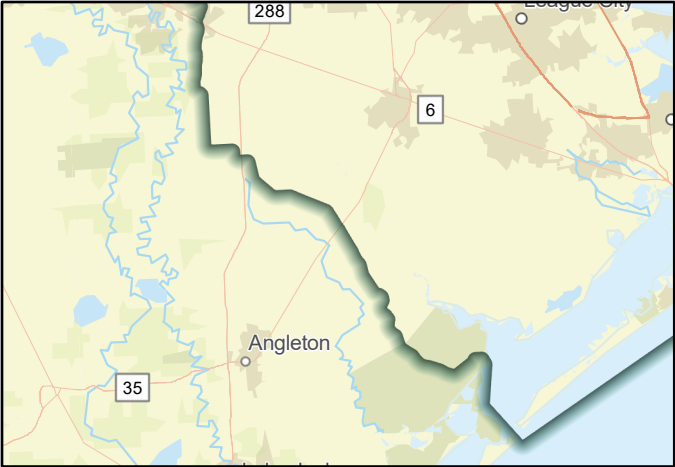
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

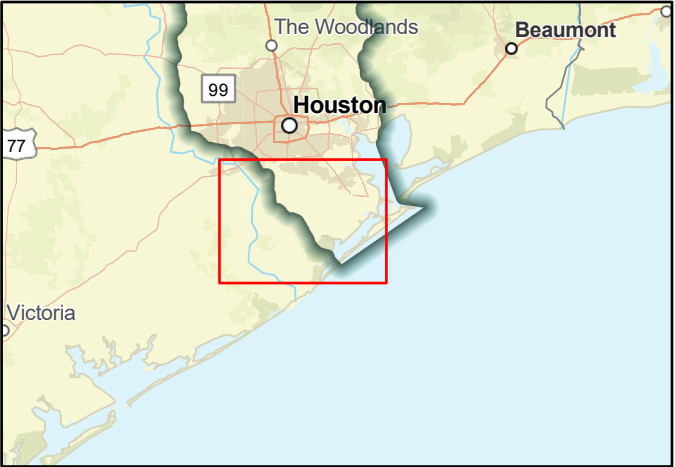
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$100,000"/>	Amount of available funding	<input type="text" value="100000"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

TitleNatural Infrastructure Project Barker Reservoir Headwater Acquisition and Restoration

ID#062000029SponsorCoastal Prairie Conservancy



RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeProperty Acquisition and Structural Elevation

Strategy descriptionPurchase and restore agricultural & natural lands at the headwater of Barker Reservoir. Manage land for agricultural use, restore native landscape like grasslands and wetlands, and enhance management practices. Provides natural flood mitigation benefits.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)2

Watershed HUC# (if known)120401020103,120401040101CountyWaller

Existing 100-Year Flood Risk

Population at risk0# of structures0Critical facilities0

Flood risk type: Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

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

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsEnvironmental, Low Impact Development FeaturesReduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

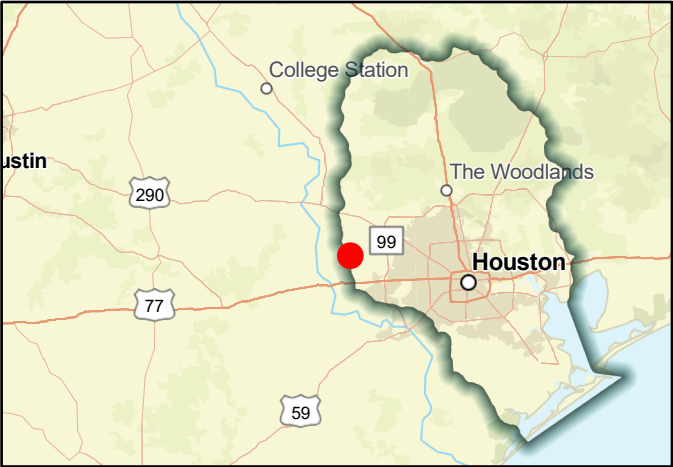
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$33,000,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleNatural Infrastructure Project Mound Creek Conservation

ID#062000030SponsorCoastal Prairie Conservancy

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeProperty Acquisition and Structural Elevation

Strategy descriptionPurchase conservation easement from landowner to permanently conserve as agricultural/natural areas. KPC to ensure land remains undeveloped agricultural land and maintain conservation. Would provide multiple benefits such as flood mitigation, and more.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)3

Watershed HUC# (if known)120401020103,120401020101CountyHarris,Waller

Existing 100-Year Flood Risk

Population at risk0# of structures0Critical facilities0

Flood risk type: Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)41Roadway(s) impacted (miles)0

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsEnvironmentalReduction in # of road closures over 10 years-

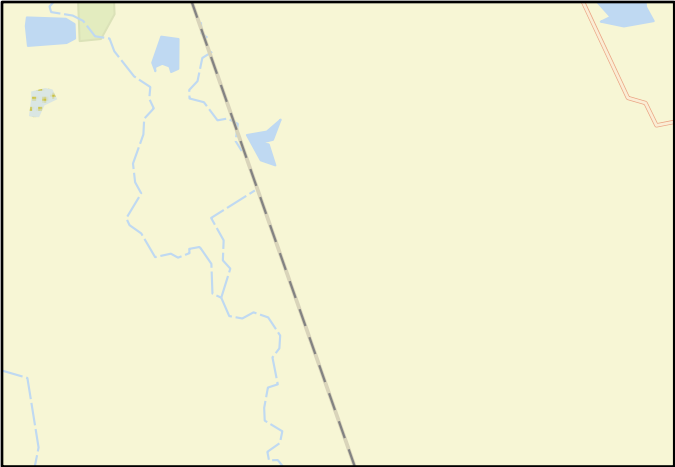
Impacts

Negative impacts?NoNegative impacts description-

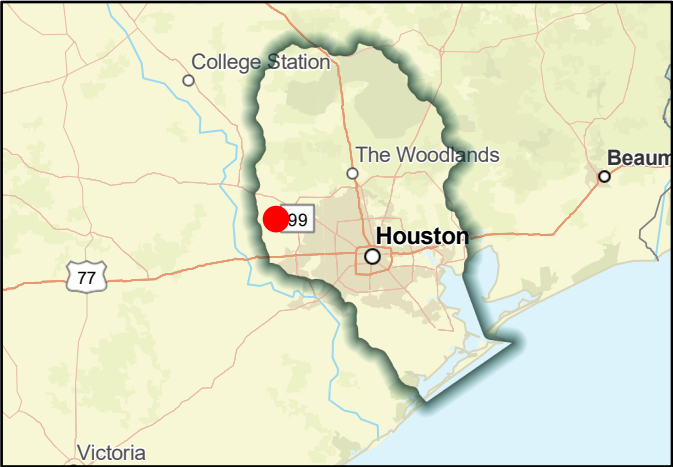
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$32,000,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

REGION 6

Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Property Acquisition and Structural Elevation"/>		
Strategy description	<input type="text" value="Acquisition of remaining private interest stake in the 6,004-acre Warren Ranch for floodplain preservation and conservation. Place a conservation easement on the Ranch to conserve ag and natural habitat."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="9"/>
Watershed HUC# (if known)	<input type="text" value="-"/>		County <input type="text" value="Harris"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="0"/>	# of structures	<input type="text" value="0"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="No"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="240"/>		Roadway(s) impacted (miles)	<input type="text" value="0"/>	
Number of low water crossings	<input type="text" value="2"/>		Historical road closures	<input type="text" value="2"/>	

100-Year Flood Risk Reduction

Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>	
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>	
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>	
Other benefits	<input type="text" value="Public access and recreation, agriculture, habitat"/>		Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$50,000,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="100"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title Cypress Creek Headwater Acquisition and PReservation

ID# 062000067 Sponsor Coastal Prairie Conservancy

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

Strategy Details

Strategy type	Property Acquisition and Structural Elevation		
Strategy description	Acquisition and restoration of 1,074-acres of ag and natural lands at the headwaters of Cypress Creek.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	-
Watershed HUC# (if known)	-		County Waller

Existing 100-Year Flood Risk

Population at risk	0	# of structures	0	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	9	Roadway(s) impacted (miles)	-		
Number of low water crossings	-	Historical road closures	-		

100-Year Flood Risk Reduction

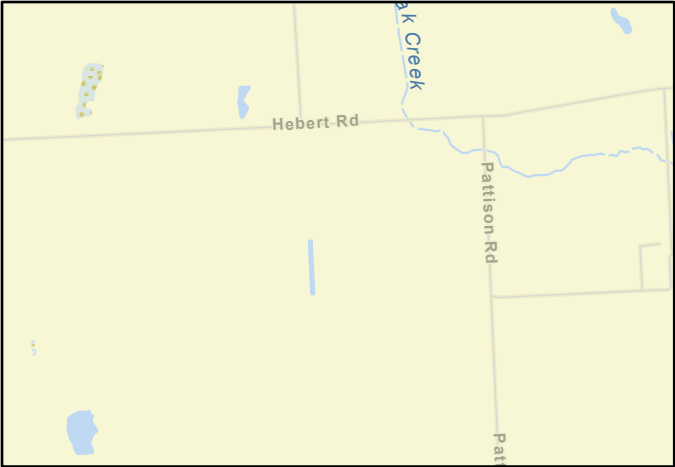
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Public access and recreation, agriculture, habitat		Reduction in # of road closures over 10 years
			-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$18,000,000	Amount of available funding	-	% Nature-Based	100
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleCity of Cleveland Drainage Maintenance

ID#062000046SponsorCleveland (Municipality)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeInfrastructure Projects

Strategy descriptionRemoval of debris, silt and vegetation obstacles in drainageways. Project will clear obstacles, mow and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)19

Watershed HUC# (if known)120401030201,120401030108,120401030109,120401030203,1204010302CountyLiberty,Montgomery,San Jacinto

Existing 100-Year Flood Risk

Population at risk1,037# of structures261Critical facilities0

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)29Roadway(s) impacted (miles)27

Number of low water crossings1Historical road closures1

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsEnvironmentalReduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

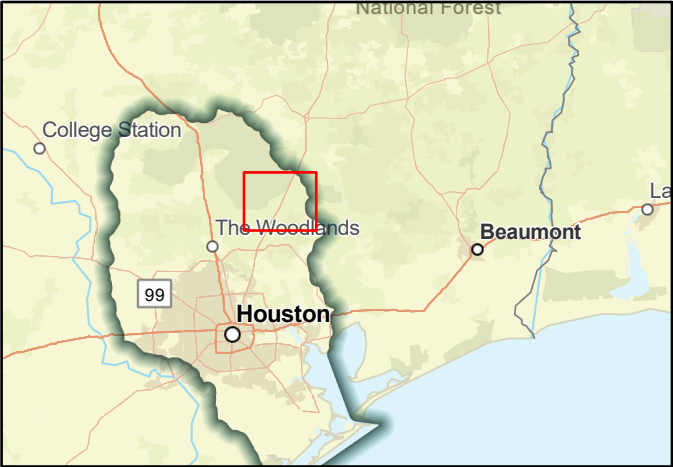
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$5,000,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

TitleCity of Pearland SRL and RL Property Acquisition

ID#062000062SponsorPearland (Municipality)



RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeProperty Acquisition and Structural Elevation

Strategy descriptionContinue working with County and State officials to identify repetitive loss and severe repetitive loss properties, and pursue mitigation projects to reduce risk.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)49

Watershed HUC# (if known)120401040501,120402040200,120402040400,120402040100

CountyBrazoria,Fort Bend,Harris

Existing 100-Year Flood Risk

Population at risk11,939# of structures4,791Critical facilities22

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)137Roadway(s) impacted (miles)76

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits-Reduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$100,000Amount of available funding0% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Flood Measurement and Warning"/>		
Strategy description	<input type="text" value="Purchase and install severe weather warning systems"/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="0"/>
Watershed HUC# (if known)	<input type="text" value="120402040200"/>	County	<input type="text" value="Galveston"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="1,476"/>	# of structures	<input type="text" value="1,121"/>	Critical facilities	<input type="text" value="3"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="0"/>	Roadway(s) impacted (miles)	<input type="text" value="8"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

100-Year Flood Risk Reduction

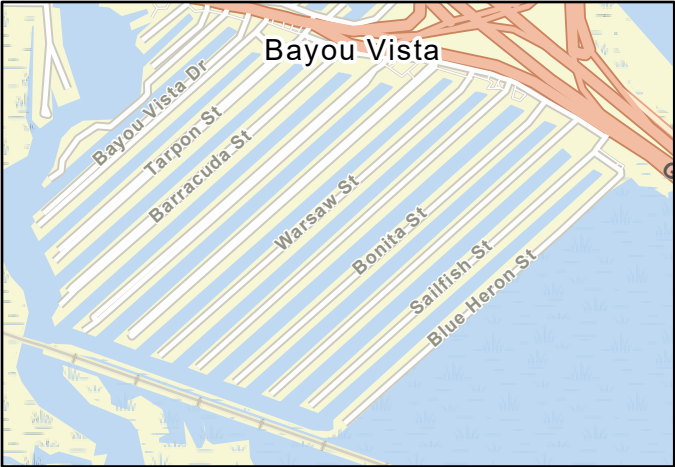
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$35,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleImplement Stormwater Management Plan in City of Bayou Vista

ID#062000026SponsorBayou Vista (Municipality)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeRegulatory and Guidance

Strategy descriptionImplement stormwater management plan to improve drainage during flood and other weather events.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)0

Watershed HUC# (if known)120402040200CountyGalveston

Existing 100-Year Flood Risk

Population at risk1,476# of structures1,121Critical facilities3

Flood risk type:Riverine?YesCoastal?YesLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)0Roadway(s) impacted (miles)8

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits -Reduction in # of road closures over 10 years-

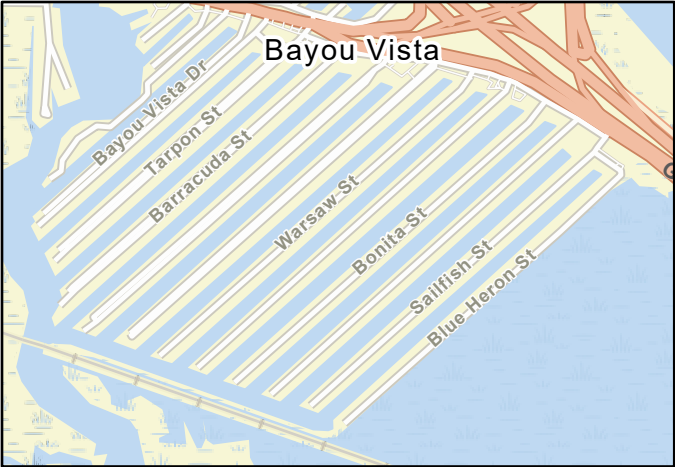
Impacts

Negative impacts?NoNegative impacts description-

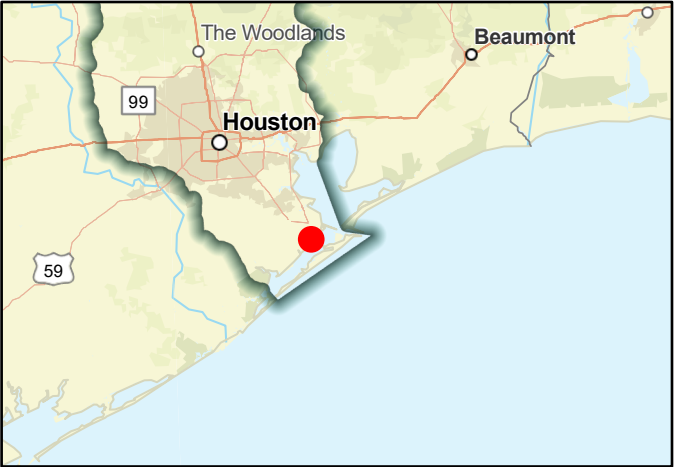
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$25,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title City of Bayou Vista Management Practices for Securing Windblown Debris in Canals

ID# 062000050 Sponsor Bayou Vista (Municipality)

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

Strategy Details

Strategy type	Infrastructure Projects		
Strategy description	Debris generated by many hazards if the level of intensity allows. Implement plan to remove debris throughout the canal system especially since Bayou Vista is a residential canal community.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	0
Watershed HUC# (if known)	120402040200	County	Galveston

Existing 100-Year Flood Risk

Population at risk	1,476	# of structures	1,122	Critical facilities	3
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	8		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

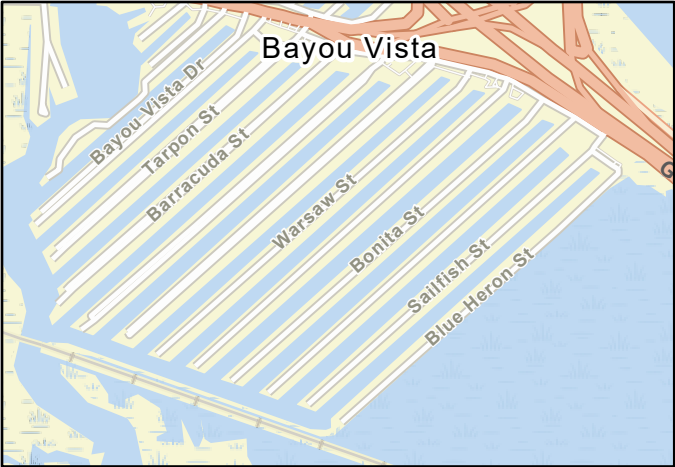
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	Environmental	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$100,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Regulatory and Guidance"/>		
Strategy description	<input type="text" value="Increase and maintain number of floodplain managers in the building division through training and certification."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="211"/>
Watershed HUC# (if known)	<input type="text" value="120402040300,120402040200,120402040400,120402040500"/>		County <input type="text" value="Galveston"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="64,300"/>	# of structures	<input type="text" value="21,858"/>	Critical facilities	<input type="text" value="509"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="261"/>	Roadway(s) impacted (miles)	<input type="text" value="409"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

100-Year Flood Risk Reduction

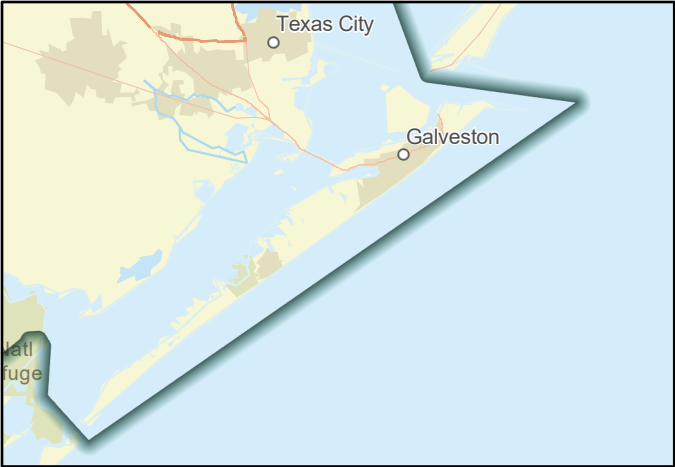
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

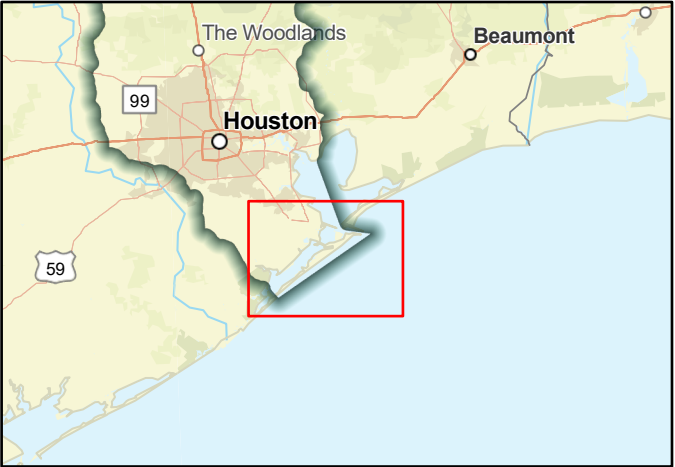
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$10,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Property Acquisition and Structural Elevation"/>		
Strategy description	<input type="text" value="Elevation, acquisition or other mitigation of identified Repetitive Loss and Severe Repetitive Loss properties and structures damaged by flooding."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="211"/>
Watershed HUC# (if known)	<input type="text" value="120402040300,120402040200,120402040400,120402040500"/>		County <input type="text" value="Galveston"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="64,300"/>	# of structures	<input type="text" value="21,858"/>	Critical facilities	<input type="text" value="509"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="261"/>	Roadway(s) impacted (miles)	<input type="text" value="409"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

100-Year Flood Risk Reduction

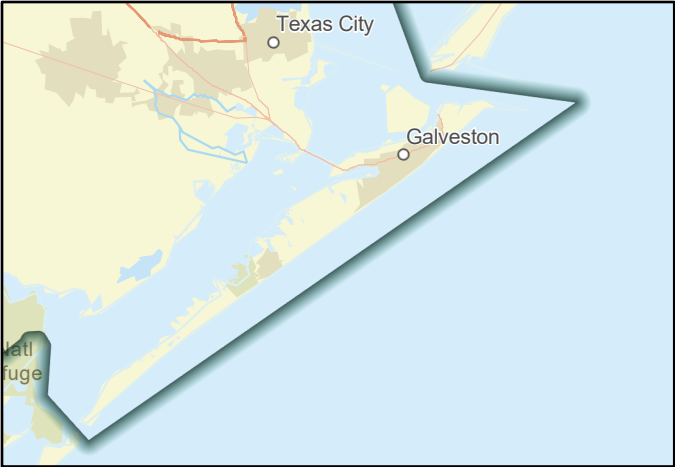
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$80,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP

REGION 6

Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Other"/>		
Strategy description	<input type="text" value="Maintain membership of the NFIP's CRS"/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi², est.)	<input type="text" value="53"/>
Watershed HUC# (if known)	<input type="text" value="120402040300,120402040200,120402040400,120402040500"/>		County <input type="text" value="Galveston"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="64,429"/>	# of structures	<input type="text" value="23,123"/>	Critical facilities	<input type="text" value="513"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="Yes"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="263"/>	Roadway(s) impacted (miles)	<input type="text" value="408"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

100-Year Flood Risk Reduction

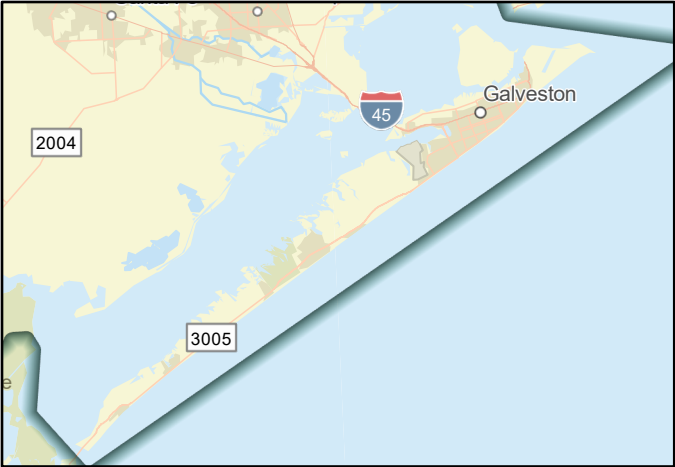
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

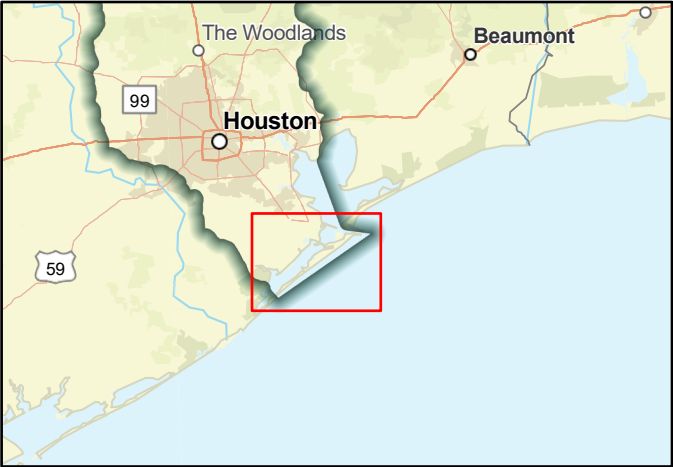
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$10,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleMaintain Drainage Systems and Culverts in City of Friendswood

ID#062000051SponsorFriendswood (Municipality)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeInfrastructure Projects

Strategy descriptionClean & recut drainage ditches, complete work orders related to conveyance systems. Pursue sub-regional drainage improvements.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)21

Watershed HUC# (if known)120402040200,120402040100CountyGalveston,Harris

Existing 100-Year Flood Risk

Population at risk4,640# of structures1,680Critical facilities2

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)18Roadway(s) impacted (miles)38

Number of low water crossings5Historical road closures5

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits -Reduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$1,400,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

TitleCity of Bellaire Flood Early Warning System

ID#062000049SponsorBellaire (Municipality)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeFlood Measurement and Warning

Strategy descriptionDevelop Flood Early Warning System for the City of Bellaire to inform emergency responders and to assist residents in making safe decisions during major storm events.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Watershed HUC# (if known)120401040402,120401040401

Drainage area (mi², est.)4

CountyHarris

Existing 100-Year Flood Risk

Population at risk25,741# of structures5,879Critical facilities71

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)0Roadway(s) impacted (miles)71

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits-Reduction in # of road closures over 10 years-

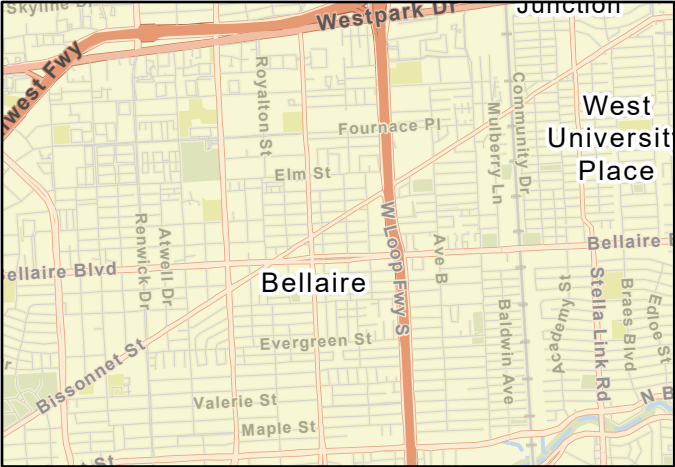
Impacts

Negative impacts?NoNegative impacts description-

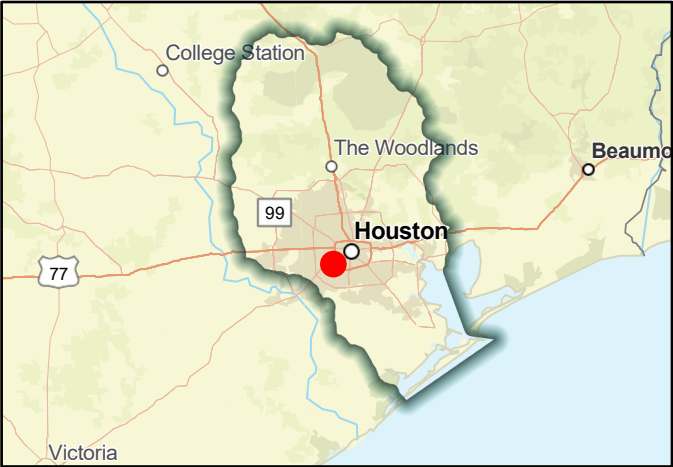
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$150,000Amount of available funding37500% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleCity of Bellaire Flood Rescue Plan

ID#062000033SponsorBellaire (Municipality)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeRegulatory and Guidance

Strategy descriptionDevelop a plan to address rescues from both one-story and two-story homes. This includes evacuating disabled/physically impaired/elderly individuals from homes in advance of anticipated extreme rainfall events.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Watershed HUC# (if known)120401040402,120401040401

Drainage area (mi², est.)4

CountyHarris

Existing 100-Year Flood Risk

Population at risk25,741# of structures5,879Critical facilities71

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)0Roadway(s) impacted (miles)71

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits-Reduction in # of road closures over 10 years-

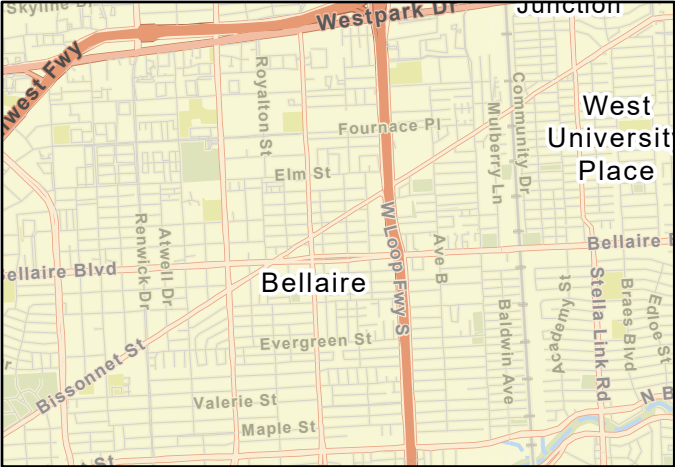
Impacts

Negative impacts?NoNegative impacts description-

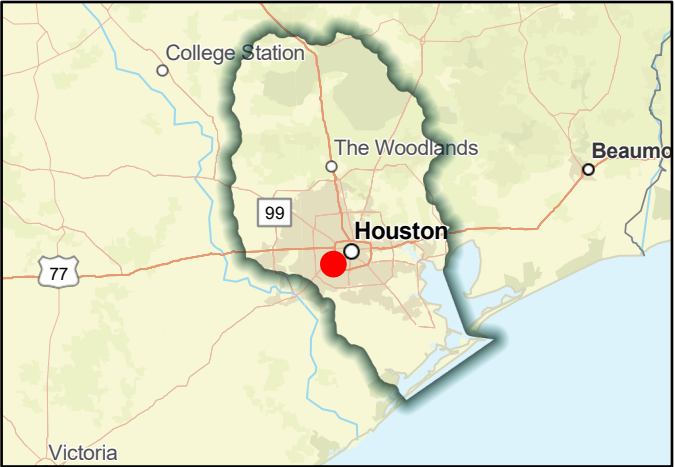
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$200,000Amount of available funding50000% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

TitleCity of Bellaire Roadway and Drainage Improvements

ID#062000001SponsorBellaire (Municipality)



RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeOther

Strategy descriptionPerform engineering services in support of the local drainage asset management planning, to repair or reconstruct antiquated local drainage and associated road infrastructure. Including design of storm sewers, roadways, and overland storage/conveyance.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)4

Watershed HUC# (if known)120401040402,120401040401,120401040402,120401040401CountyHarris

Existing 100-Year Flood Risk

Population at risk25,741# of structures5,879Critical facilities71

Flood risk type:Riverine?NoCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)0Roadway(s) impacted (miles)71

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsPublic UpliftReduction in # of road closures over 10 years-

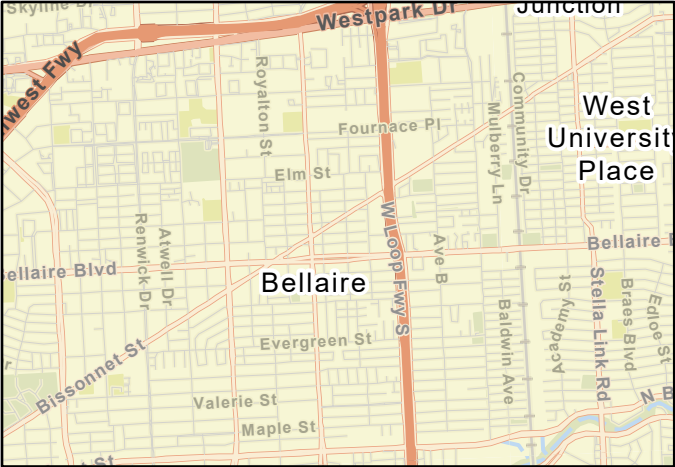
Impacts

Negative impacts?NoNegative impacts description-

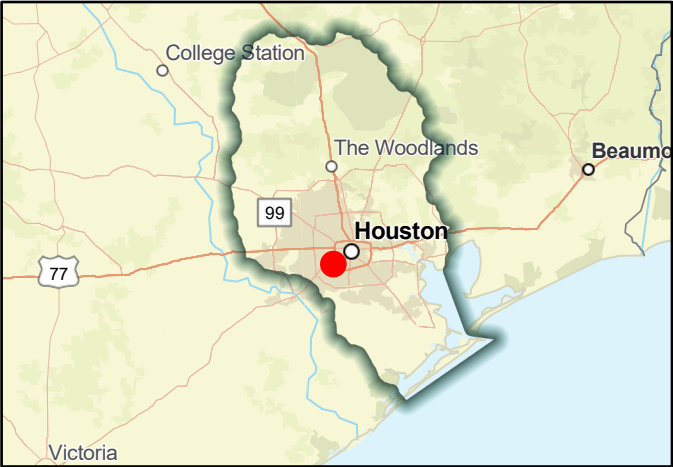
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$3,000,000Amount of available funding750000% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? ☒ Yes Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Other"/>		
Strategy description	<input type="text" value="Conduct planning and outreach efforts to identify residents interested in buy-out, home elevation, or flood proofing programs, and develop plans or grant applications to support interested parties."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="4"/>
Watershed HUC# (if known)	<input type="text" value="120401040402,120401040401,120401040402,120401040401"/>		County <input type="text" value="Harris"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="25,741"/>	# of structures	<input type="text" value="5,879"/>	Critical facilities	<input type="text" value="71"/>
Flood risk type:	Riverine? <input type="text" value="No"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="0"/>	Roadway(s) impacted (miles)	<input type="text" value="71"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

100-Year Flood Risk Reduction

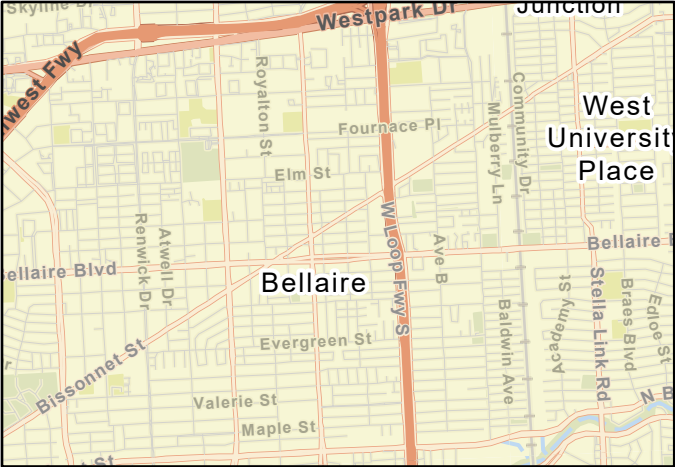
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="Public Education"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

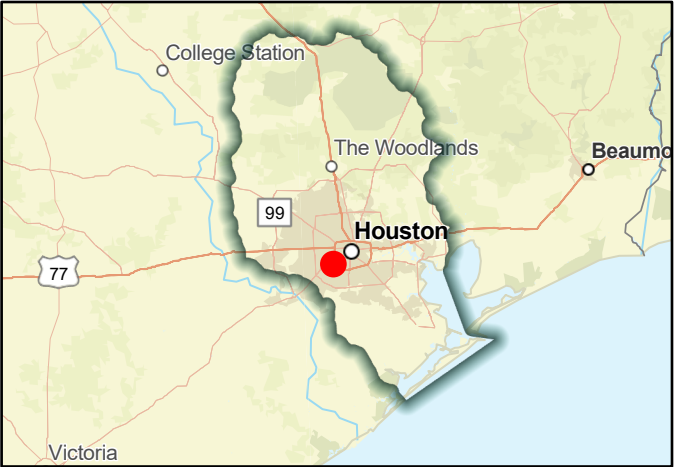
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$50,000"/>	Amount of available funding	<input type="text" value="12500"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

TitleCity of Bellaire Drainage Requirements and Flood Damage Prevention Ordinance

ID#062000003SponsorBellaire (Municipality)



RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeOther

Strategy descriptionDevelop updates to Bellaire's residential and non-residential drainage requirements and the City's flood damage prevention ordinance, in alignment with Bellaire's broader flood risk management goals and objectives.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)4

Watershed HUC# (if known)120401040402,120401040401,120401040402,120401040401CountyHarris

Existing 100-Year Flood Risk

Population at risk25,741# of structures5,879Critical facilities71

Flood risk type:Riverine?NoCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)0Roadway(s) impacted (miles)71

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits -Reduction in # of road closures over 10 years-

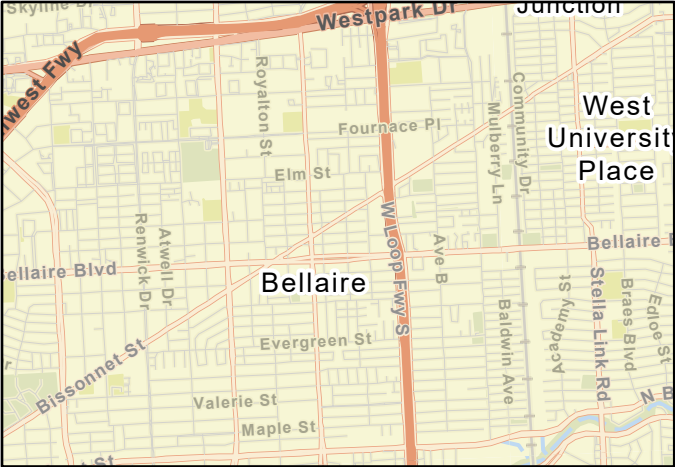
Impacts

Negative impacts?NoNegative impacts description-

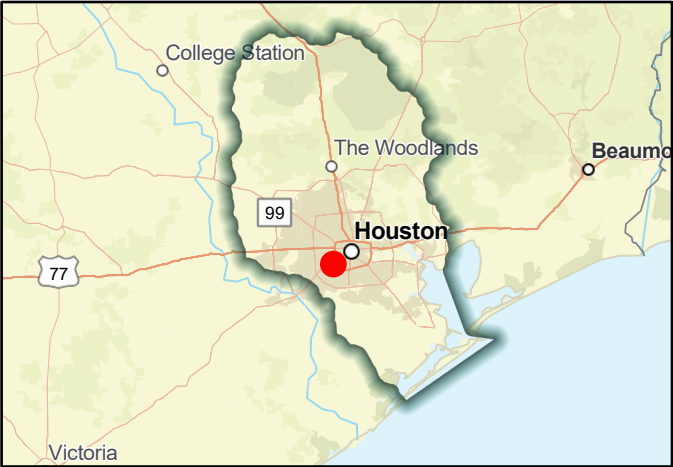
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$50,000Amount of available funding12500% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

TitleCity of Bellaire Surrounding Area Drainage Improvements

ID#062000004SponsorBellaire (Municipality)



RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeOther

Strategy descriptionPartner with surrounding municipalities/governmental agencies to identify drainage improvements (conveyance or detention) which could minimize extreme event sheet flow entering into Bellaire.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)4

Watershed HUC# (if known)120401040402,120401040401,120401040402,120401040401CountyHarris

Existing 100-Year Flood Risk

Population at risk25,741# of structures5,879Critical facilities71

Flood risk type:Riverine?NoCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)0Roadway(s) impacted (miles)71

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits -Reduction in # of road closures over 10 years-

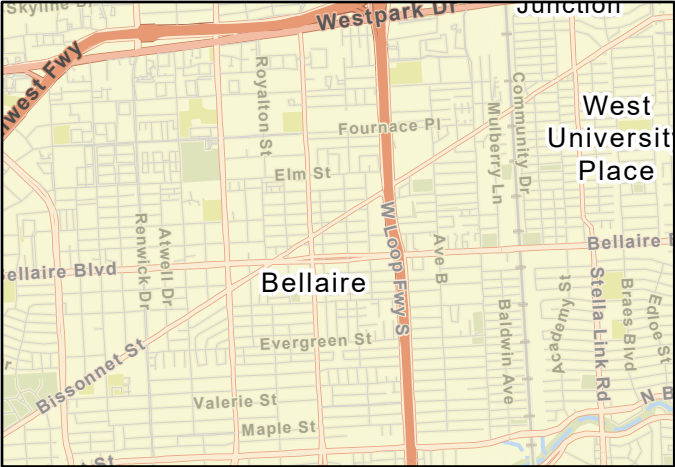
Impacts

Negative impacts?NoNegative impacts description-

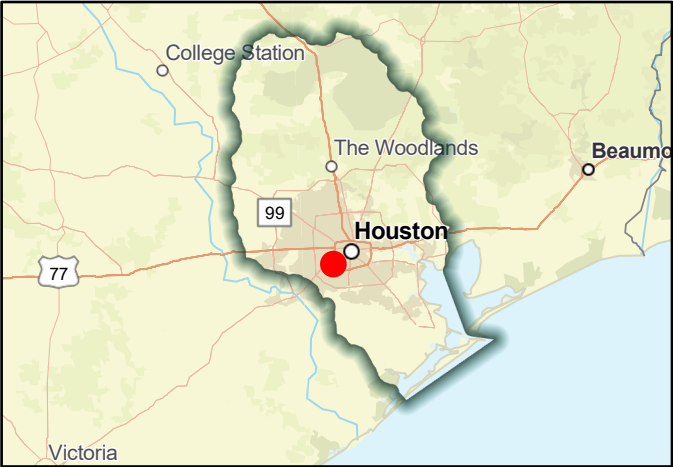
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$100,000Amount of available funding25000% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

TitleCity of Bellaire Floodwater Public Awareness Initiatives

ID#062000005SponsorBellaire (Municipality)



RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeEducation and Outreach

Strategy descriptionPeriodically distribute messages to residents warning of dangers of walking or playing in floodwaters. Develop a plan with local schools to educate children to avoid walking, playing, or riding bicycles in floodwaters.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)4

Watershed HUC# (if known)120401040402,120401040401,120401040402,120401040401CountyHarris

Existing 100-Year Flood Risk

Population at risk25,741# of structures5,879Critical facilities71

Flood risk type:Riverine?NoCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)0Roadway(s) impacted (miles)71

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsPublic EducationReduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

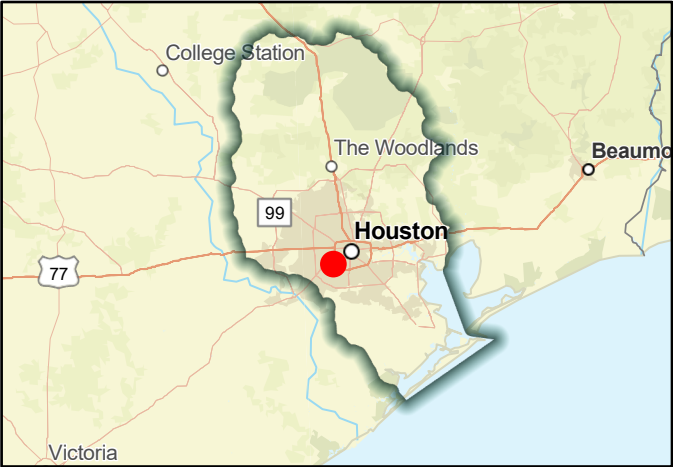
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$50,000Amount of available funding12500% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Education and Outreach"/>		
Strategy description	<input type="text" value="Community Outreach (flooded street identification, marking and signage)"/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="1"/>
Watershed HUC# (if known)	<input type="text" value="120401040303,120401040303"/>		County <input type="text" value="Harris"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="0"/>	# of structures	<input type="text" value="0"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="No"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="0"/>	Roadway(s) impacted (miles)	<input type="text" value="0"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

100-Year Flood Risk Reduction

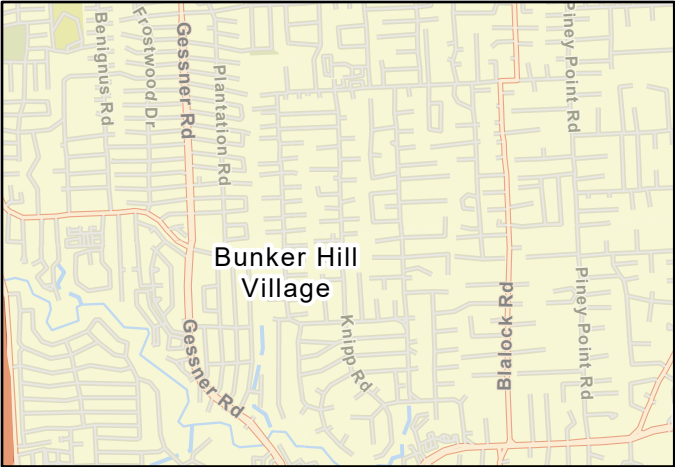
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="Public Education"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

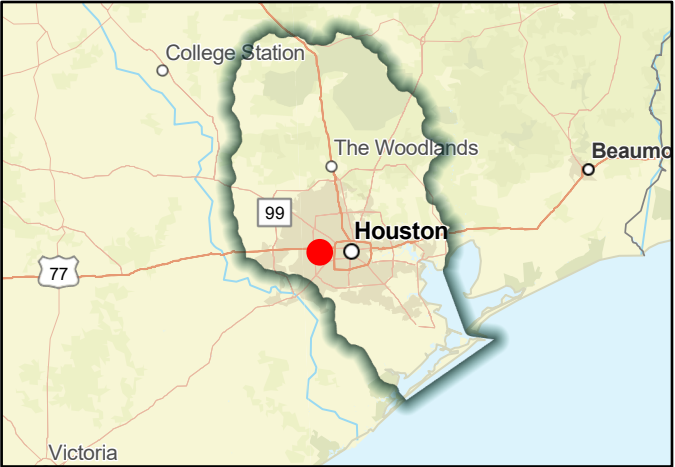
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$100,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Other"/>		
Strategy description	<input type="text" value="Minimize the risk of dam/levee failure and related damage to existing and proposed structures by monitoring the maintenance and inspection schedules."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="1"/>
Watershed HUC# (if known)	<input type="text" value="120401040303,120401040303"/>		County <input type="text" value="Harris"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="0"/>	# of structures	<input type="text" value="0"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="0"/>	Roadway(s) impacted (miles)	<input type="text" value="0"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

100-Year Flood Risk Reduction

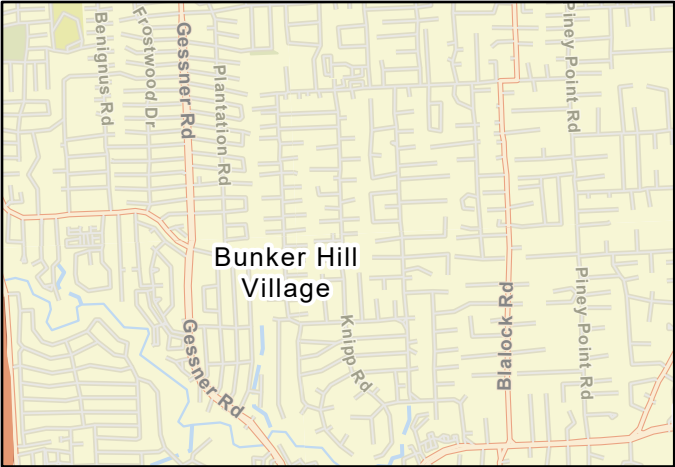
Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

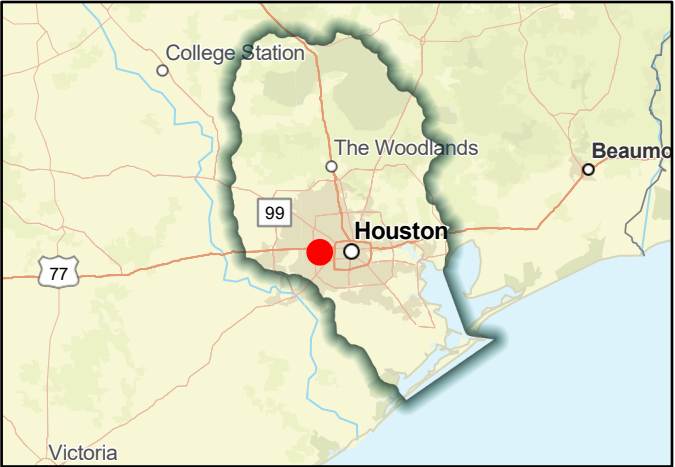
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$500,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleCity of Bunker Hill Village Non-Structural Mitigation Projects

ID#062000058SponsorBunker Hill Village (Municipality)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeOther

Strategy descriptionNon-structural mitigation measure - buried powerlines, tree management and generators

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Watershed HUC# (if known)120401040303Drainage area (mi², est.)1

CountyHarris

Existing 100-Year Flood Risk

Population at risk0# of structures0Critical facilities0

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

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

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsLow Impact Development FeaturesReduction in # of road closures over 10 years-

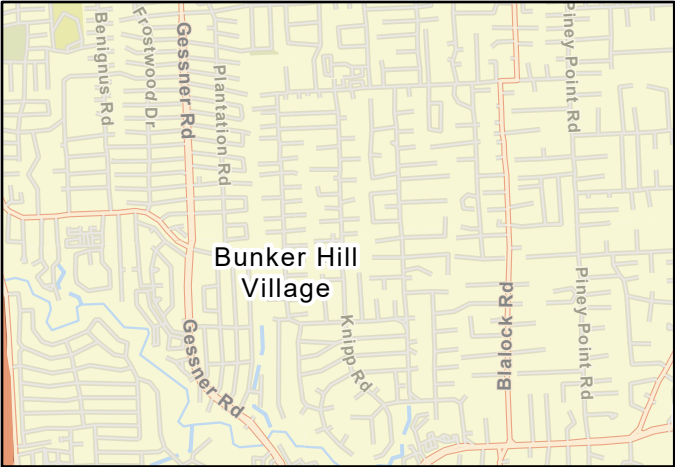
Impacts

Negative impacts?NoNegative impacts description-

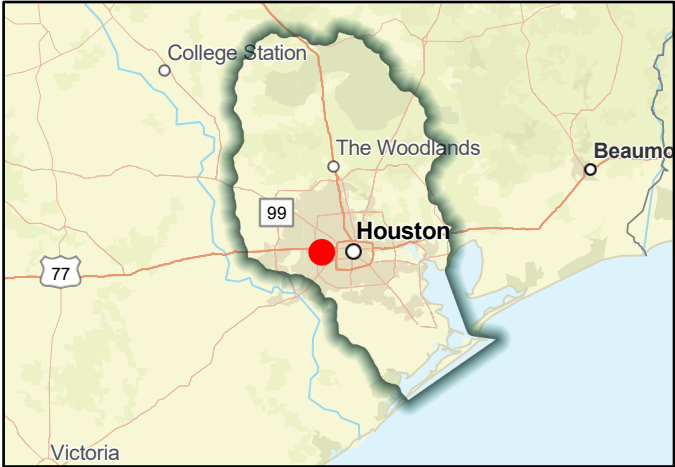
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$100,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



SAN JACINTO REGIONAL FLOOD PLANNING GROUP
REGION 6

TitleCity of Manvel Property Acquisition

ID#062000048SponsorManvel (Municipality)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeProperty Acquisition and Structural Elevation

Strategy descriptionAcquire Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties in the 100-year flood plain, as identified by FEMA and NFIP.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

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

Drainage area (mi², est.)27

CountyBrazoria

Existing 100-Year Flood Risk

Population at risk6,741# of structures1,250Critical facilities8

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)179Roadway(s) impacted (miles)43

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits-Reduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$1,700,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleCity of Hilcrest Village Land Acquisition

ID#062000047SponsorHilcrest Village (Municipality)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeProperty Acquisition and Structural Elevation

Strategy descriptionPurchase additional land for retention pond construction to mitigate flooding in flood zones.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)0

Watershed HUC# (if known)120402040400CountyBrazoria

Existing 100-Year Flood Risk

Population at risk333# of structures128Critical facilities1

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)0Roadway(s) impacted (miles)2

Number of low water crossings0Historical road closures0

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits-Reduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

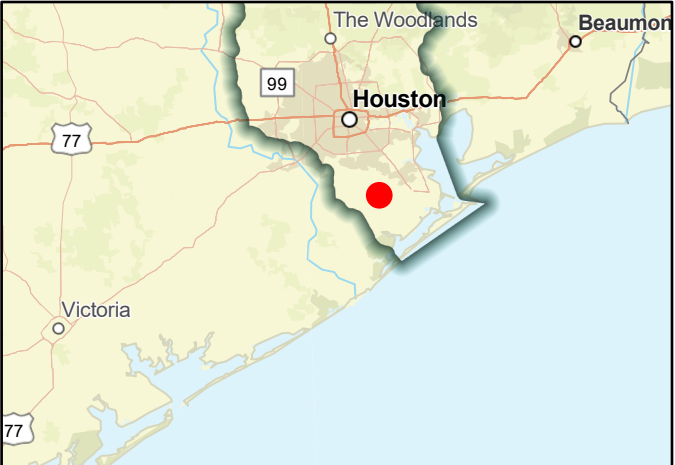
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$250,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleCity of League City Property Acquisition and Relocation

ID#062000052SponsorLeague City (Municipality)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeProperty Acquisition and Structural Elevation

Strategy descriptionBuying and removing property from the floodplain will reduce long-term, repetitive flood loss. The open space created by the removal of insured property will facilitate drainage and allow for the creation of recreation areas.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)53

Watershed HUC# (if known)120402040200,120402040100CountyGalveston,Harris

Existing 100-Year Flood Risk

Population at risk13,675# of structures5,251Critical facilities25

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)1,308Roadway(s) impacted (miles)105

Number of low water crossings2Historical road closures2

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsEnvironmentalReduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$300,000,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

TitleCity of Santa Fe - Harden Existing Critical Facilites and Infrastructure

ID#062000053SponsorSanta Fe (Municipality)



RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeInfrastructure Projects

Strategy descriptionHarden existing critical facilites and infrastructure. Specifically City Hall, Maintenance Building, Library, and Community Center.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)17

Watershed HUC# (if known)120402040300,120402040200CountyGalveston

Existing 100-Year Flood Risk

Population at risk748# of structures400Critical facilities1

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)12Roadway(s) impacted (miles)4

Number of low water crossings9Historical road closures9

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsPublic UpliftReduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$2,000,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleCity of Santa Fe - Drainage System Maintenance

ID#062000054SponsorSanta Fe (Municipality)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeInfrastructure Projects

Strategy descriptionKeep areas of concern free of unnecessary debris as needed. Implement and maintain tree, vegetation trimming/removal near, infrastructure, drainage systems and roadside areas.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)17

Watershed HUC# (if known)120402040300,120402040200CountyGalveston

Existing 100-Year Flood Risk

Population at risk748# of structures400Critical facilities1

Flood risk type:Riverine?NoCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)12Roadway(s) impacted (miles)4

Number of low water crossings9Historical road closures9

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefitsEnvironmentalReduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$5,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



TitleCity of Santa Fe Stormproof/retrofit New Critical Infrastructure

ID#062000039SponsorSanta Fe (Municipality)

RFPG recommend?YesReason for RecommendationAlignment with RFPG goals and TWDB guidance principles.

Strategy Details

Strategy typeRegulatory and Guidance

Strategy descriptionNew construction and existing critical facilities and infrastructure should include advanced mitigation techniques.

Associated FME's999999Associated FMP's999999

Associated FMS's999999

Drainage area (mi², est.)17

Watershed HUC# (if known)120402040300,120402040200CountyGalveston

Existing 100-Year Flood Risk

Population at risk748# of structures400Critical facilities1

Flood risk type:Riverine?YesCoastal?NoLocal?YesPlaya?NoOther?No

Farm/Ranch land impacted (acres)12Roadway(s) impacted (miles)4

Number of low water crossings9Historical road closures9

100-Year Flood Risk Reduction

Population removed from 100-yr-# of structures removed from 100-yr-

Critical facilities removed from 100-yr-Farm/Ranch land removed from 100-yr (acres)-

Road removed from 100-yr (miles)-Low water crossings removed from 100-yr-

Other benefits -Reduction in # of road closures over 10 years-

Impacts

Negative impacts?NoNegative impacts description-

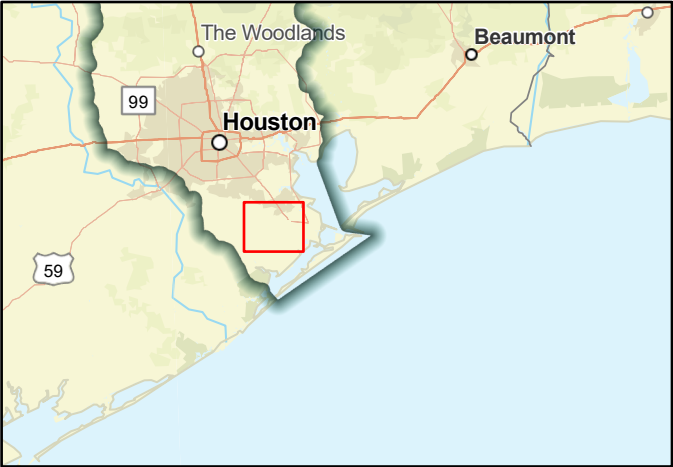
Water supply contributions?NoWater supply contribution description-

Estimated Cost

Strategy Cost\$5,000,000Amount of available funding-% Nature-Based0



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Education and Outreach"/>		
Strategy description	<input type="text" value="Rewrite, improve, and implement new local floodplain regulations, to include a public information campaign on regulatory awareness."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="2"/>
Watershed HUC# (if known)	<input type="text" value="120401030101"/>	County	<input type="text" value="Walker"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="19"/>	# of structures	<input type="text" value="23"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="No"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="1"/>	Roadway(s) impacted (miles)	<input type="text" value="0"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

100-Year Flood Risk Reduction

Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="Public Education"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

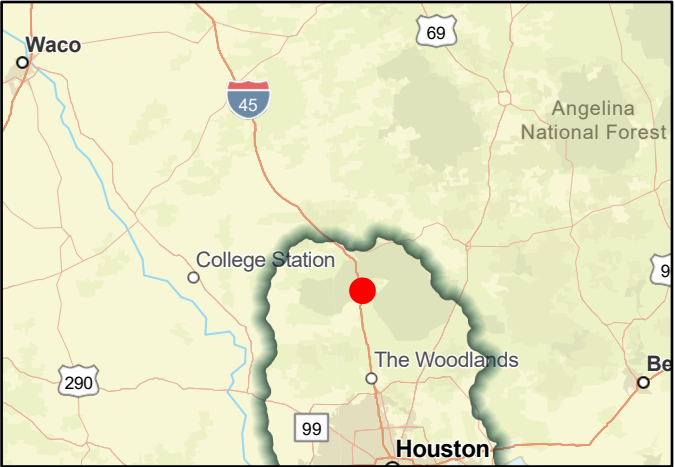
Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$10,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah

ID# 062000017 Sponsor Kemah (Municipality)

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

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Develop program to integrate with the Harris County Flood Control District for the purpose of optimizing the operation of the flood gates at second cut outlet.		
Associated FME's	999999	Associated FMP's	999999
Associated FMS's	999999	Drainage area (mi ² , est.)	2
Watershed HUC# (if known)	120402040200,120402040100		County Galveston

Existing 100-Year Flood Risk

Population at risk	2,792	# of structures	560	Critical facilities	7
Flood risk type:	Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	1	Roadway(s) impacted (miles)	13		
Number of low water crossings	0	Historical road closures	0		

100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

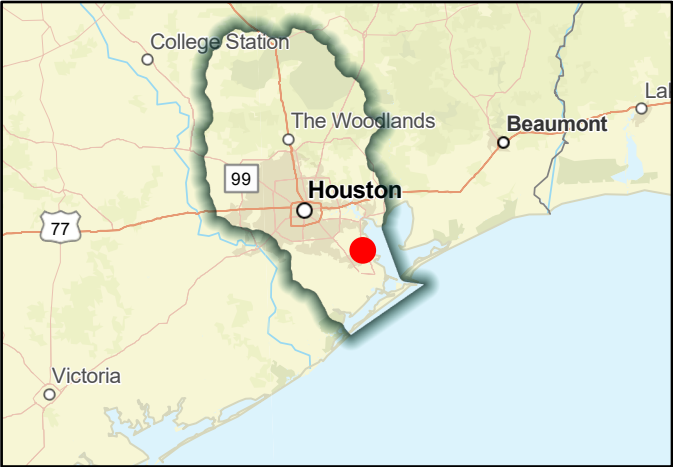
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$100,000	Amount of available funding	-	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Education and Outreach"/>		
Strategy description	<input type="text" value="Provide educational information related to preparedness, mitigation, response, and recovery to the public."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="2"/>
Watershed HUC# (if known)	<input type="text" value="120401020203,120401020206"/>		County <input type="text" value="Grimes"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="16"/>	# of structures	<input type="text" value="20"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="1"/>	Roadway(s) impacted (miles)	<input type="text" value="0"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

100-Year Flood Risk Reduction

Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="Public Education"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$20,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Infrastructure Projects"/>		
Strategy description	<input type="text" value="Protecting critical facilities such as hospitals, fire stations, police stations and water treatment plants can help keep them operational during severe storms."/>		
Associated FME's	<input type="text" value="999999"/>	Associated FMP's	<input type="text" value="999999"/>
Associated FMS's	<input type="text" value="999999"/>	Drainage area (mi ² , est.)	<input type="text" value="2"/>
Watershed HUC# (if known)	<input type="text" value="120401020203,120401020206"/>		County <input type="text" value="Grimes"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="16"/>	# of structures	<input type="text" value="17"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input type="text" value="Yes"/>	Coastal? <input type="text" value="No"/>	Local? <input type="text" value="Yes"/>	Playa? <input type="text" value="No"/>	Other? <input type="text" value="No"/>
Farm/Ranch land impacted (acres)	<input type="text" value="1"/>	Roadway(s) impacted (miles)	<input type="text" value="0"/>		
Number of low water crossings	<input type="text" value="0"/>	Historical road closures	<input type="text" value="0"/>		

100-Year Flood Risk Reduction

Population removed from 100-yr	<input type="text" value="-"/>	# of structures removed from 100-yr	<input type="text" value="-"/>
Critical facilities removed from 100-yr	<input type="text" value="-"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-"/>
Road removed from 100-yr (miles)	<input type="text" value="-"/>	Low water crossings removed from 100-yr	<input type="text" value="-"/>
Other benefits	<input type="text" value="-"/>	Reduction in # of road closures over 10 years	<input type="text" value="-"/>

Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="-"/>
Water supply contributions?	<input type="text" value="No"/>	Water supply contribution description	<input type="text" value="-"/>

Estimated Cost

Strategy Cost	<input type="text" value="\$25,000"/>	Amount of available funding	<input type="text" value="-"/>	% Nature-Based	<input type="text" value="0"/>
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FMS area



Regional view of FMS area