

Flood Management Strategy (FMS)



Title **Lavon Warning System**

ID# **032000001** Sponsor **Lavon**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Expand the Early Warning Sirens and Local Warning System to notify new populations of impending severe weather or imminent hazards to reduce the loss of life and mitigate the effects of the hazards**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301060401,120301060307** Drainage area (mi², est.) **3**

County **Collin**

Existing 100-Year Flood Risk

Population at risk **4** # of structures **4** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **32** Roadway(s) impacted (miles) **1**

Number of low water crossings **1** 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 **No** Reduction in # of road closures over 10 years **-**

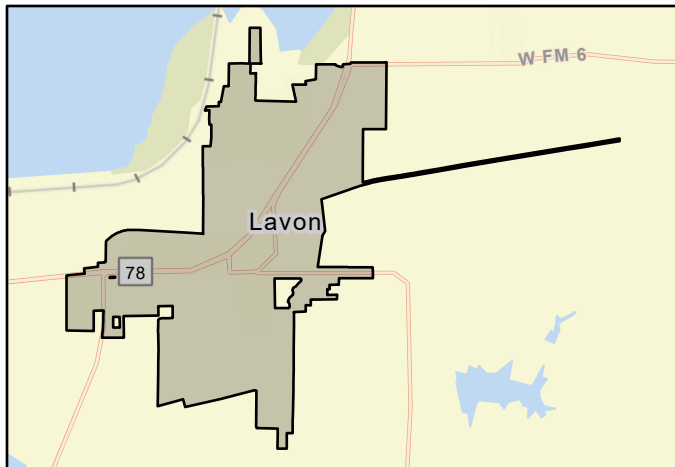
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$250,000** Amount of available funding **\$25000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Lindsay Flood Warning and Public Safety Improvements**

ID# **032000002** Sponsor **Lindsay**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Citywide "reverse 911" to enable local emergency officials to notify emergency information pertaining to flood advisories, flood warnings, and flood evacuations.**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301030403,120301030106,111302010707** Drainage area (mi², est.) **2**

County **Cooke**

Existing 100-Year Flood Risk

Population at risk **39** # of structures **36** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **136** Roadway(s) impacted (miles) **2**

Number of low water crossings **0** 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 **No** Reduction in # of road closures over 10 years **-**

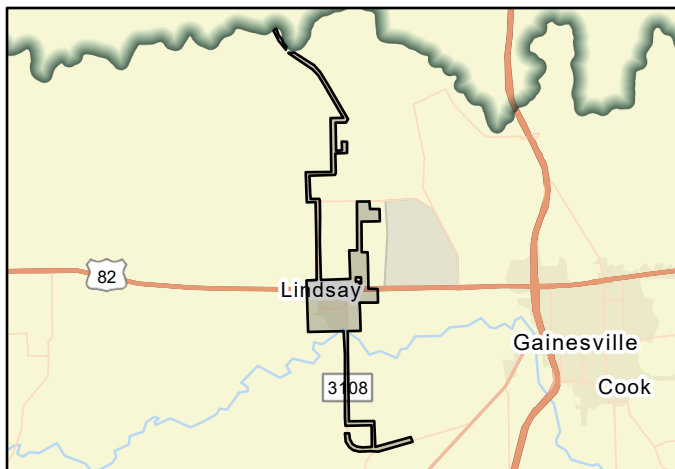
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$250,000** Amount of available funding **\$25000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Addition of Low Water Crossing Signs and Gates - City of Irving**

ID# **032000003** Sponsor **Irving**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Identify and add low water crossing signs and gates to low water crossing areas as described in The Road to The Future Report.**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301031006,120301020706,120301031005,120301031004,1203010310** Drainage area (mi², est.) **68**

County **Dallas**

Existing 100-Year Flood Risk

Population at risk **40,893** # of structures **4,589** Critical facilities **31**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **1,387** Roadway(s) impacted (miles) **84**

Number of low water crossings **29** 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 **No** Reduction in # of road closures over 10 years **-**

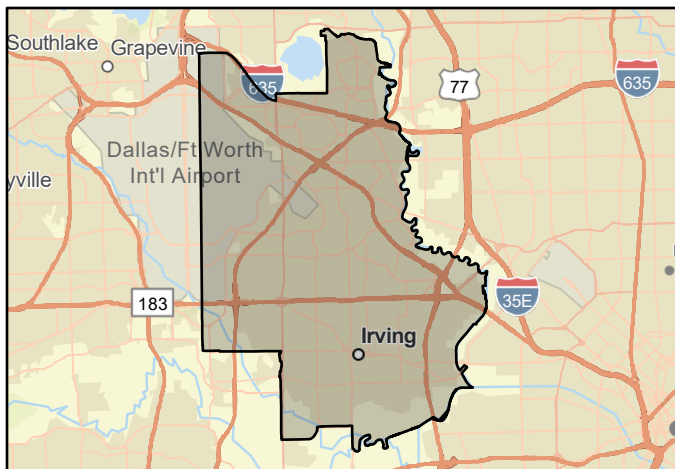
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$250,000** Amount of available funding **\$25000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Richardson Flood Warning and Public Safety Improvements**

ID# **032000004** Sponsor **Richardson**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Monitor streams and waterways for potential flooding problems including installation of gauges, sensors, and precipitation measuring sites.**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301060406,120301060407,120301050105,120301050104,1203010605** Drainage area (mi², est.) **29**

County **Dallas**

Existing 100-Year Flood Risk

Population at risk **613** # of structures **139** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **81** Roadway(s) impacted (miles) **7**

Number of low water crossings **25** 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 **No** Reduction in # of road closures over 10 years **-**

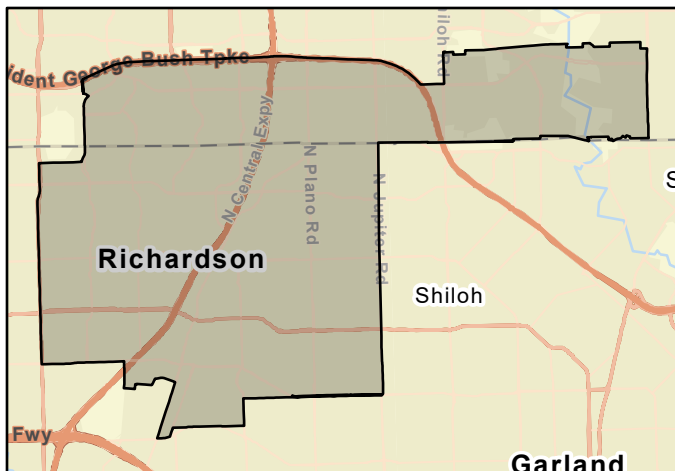
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

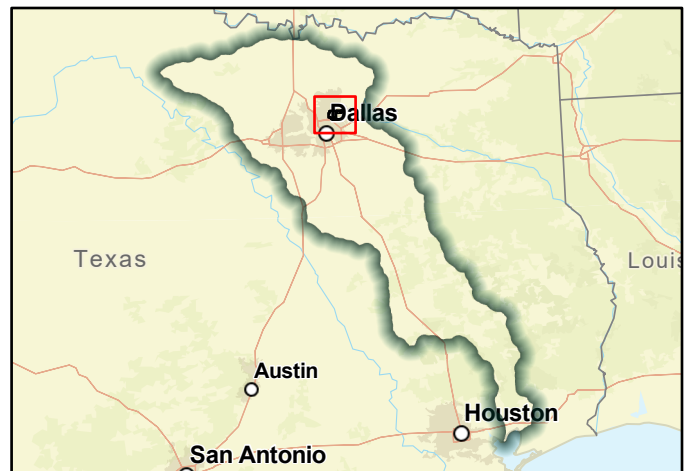
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$250,000** Amount of available funding **\$25000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Timber Creek Flood Warning System Installation**

ID# **032000005** Sponsor **Lewisville**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Purchase and Install Flood Warning Systems in Key Areas Along Timber Creek**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301031002** Drainage area (mi², est.) **3**

County **Denton**

Existing 100-Year Flood Risk

Population at risk **475** # of structures **140** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **38** Roadway(s) impacted (miles) **3**

Number of low water crossings **0** 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 **No** Reduction in # of road closures over 10 years **-**

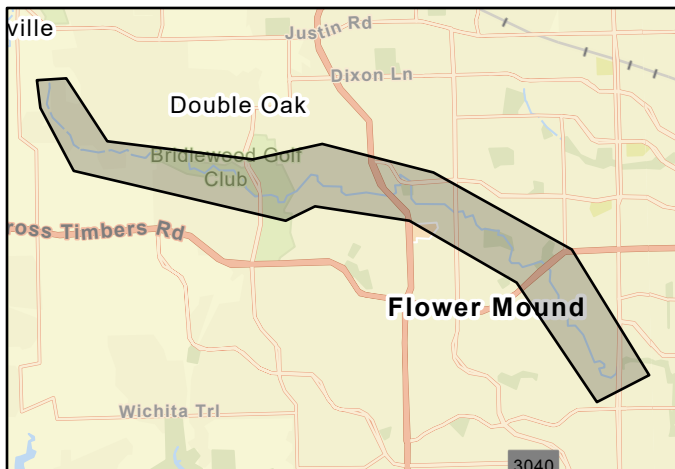
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$250,000** Amount of available funding **\$25000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Houston County Stream and Rain Gauge Installation**

ID# **032000006** Sponsor **Houston County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Install stream and rain gauges in flood prone areas and waterways as part of new alert notification system**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301030403,120301030106,111302010707** Drainage area (mi², est.) **1,232**

County **Houston**

Existing 100-Year Flood Risk

Population at risk **113** # of structures **142** Critical facilities **5**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **4,593** Roadway(s) impacted (miles) **110**

Number of low water crossings **18** 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 **No** Reduction in # of road closures over 10 years **-**

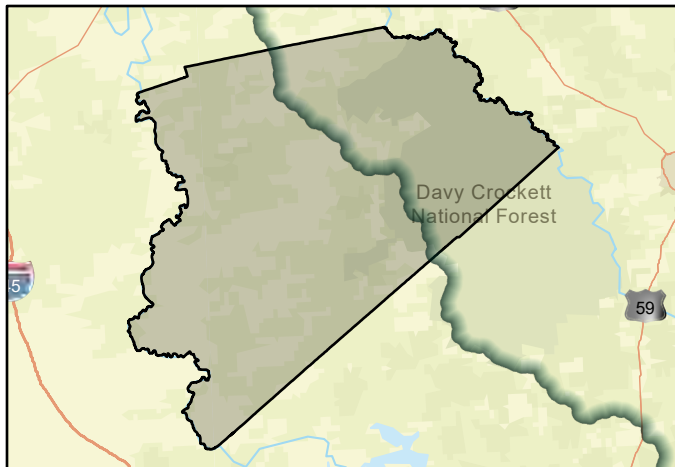
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$250,000** Amount of available funding **\$25000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Hunt County Flood Warning and Public Safety**

ID# **032000007** Sponsor **Hunt County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type	Flood Measurement and Warning		
Strategy description	Adopt and Promote the program of "Turn Around Don't Drown Campaign." Implement early warning program.		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	879
Watershed HUC# (if known)	120301030403,120301030106,111302010707		County Hunt

Existing 100-Year Flood Risk

Population at risk	7	# of structures	27	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	2,159	Roadway(s) impacted (miles)	4		
Number of low water crossings	0	Historical road closures	-		

100-Year Flood Risk Reduction

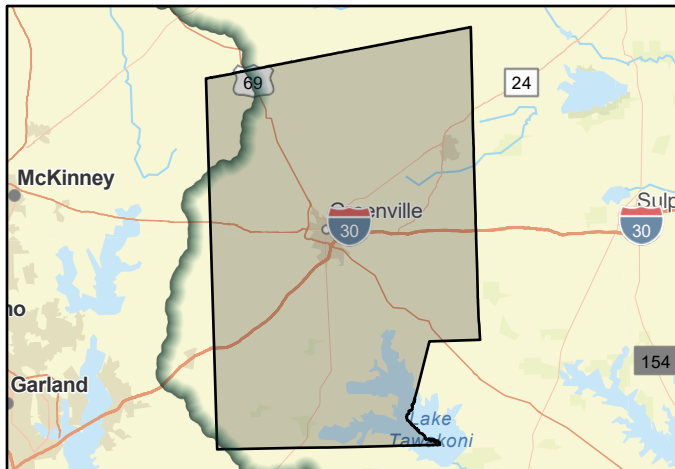
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	No	Reduction in # of road closures over 10 years	-

Impacts

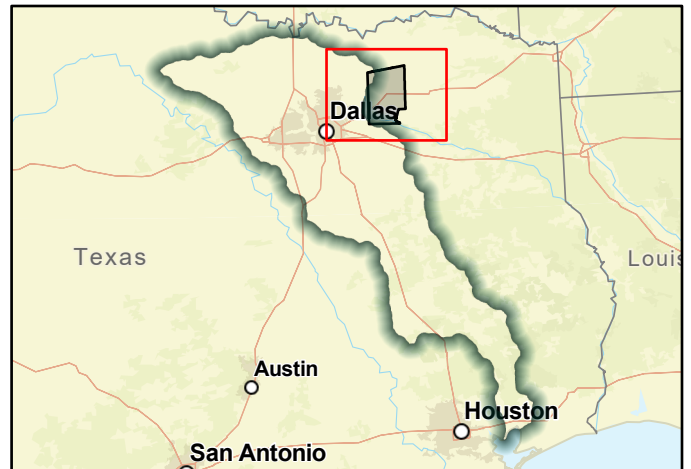
Negative impacts?	No	Negative impacts description	No negative impact.
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$250,000	Amount of available funding	\$25000	% 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

Strategy description

Associated FME's Associated FMP's

Associated FMS's

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

County

Existing 100-Year Flood Risk

Population at risk # of structures Critical facilities

Flood risk type: Riverine? Coastal? Local? Playa? Other?

Farm/Ranch land impacted (acres) 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 Reduction in # of road closures over 10 years

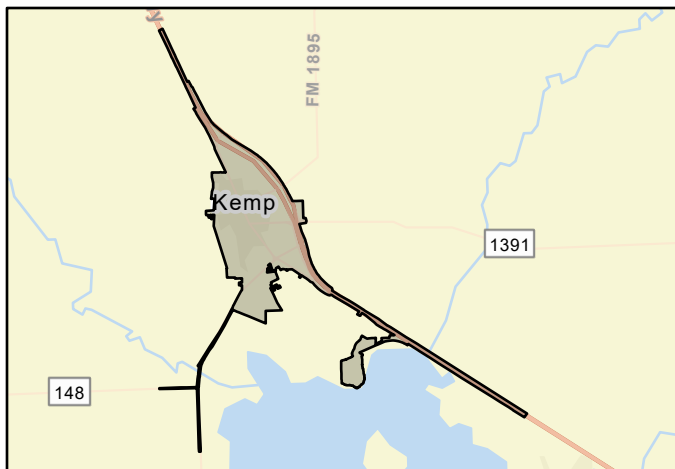
Impacts

Negative impacts? Negative impacts description

Water supply contributions? Water supply contribution description

Estimated Cost

Strategy Cost Amount of available funding % Nature-Based



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Leon County Local Flood Warning System**

ID# **032000009** Sponsor **Leon County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **This action proposes a local flood warning system to reduce the potential impacts of future flood events**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301030403,120301030106,111302010707** Drainage area (mi², est.) **1,076**

County **Leon**

Existing 100-Year Flood Risk

Population at risk **50** # of structures **77** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **5,219** Roadway(s) impacted (miles) **100**

Number of low water crossings **5** 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 **No** Reduction in # of road closures over 10 years **-**

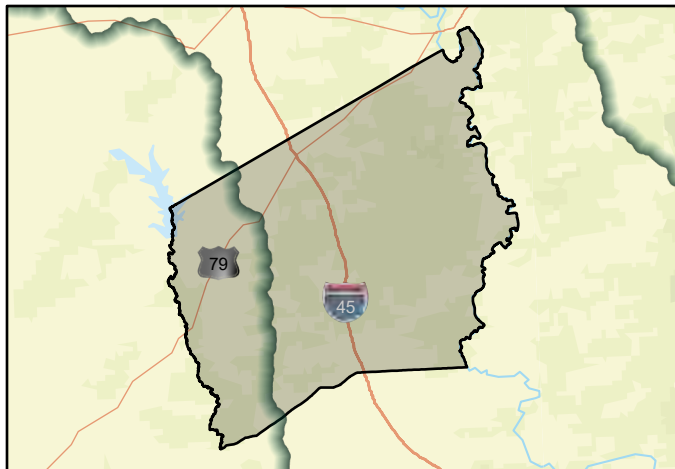
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$250,000** Amount of available funding **\$25000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Rockwall County Warning Signs and Flood Control Gates**

ID# **032000010** Sponsor **Rockwall County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Install automatic flood warning gates to prevent access into flooded areas. Install warning signs and flood control**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301060409,120301060402,120301060502,120301060401,1201000103** Drainage area (mi², est.) **148**

County **Rockwall**

Existing 100-Year Flood Risk

Population at risk **1,553** # of structures **411** Critical facilities **3**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **4,485** Roadway(s) impacted (miles) **34**

Number of low water crossings **15** 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 **No** Reduction in # of road closures over 10 years **-**

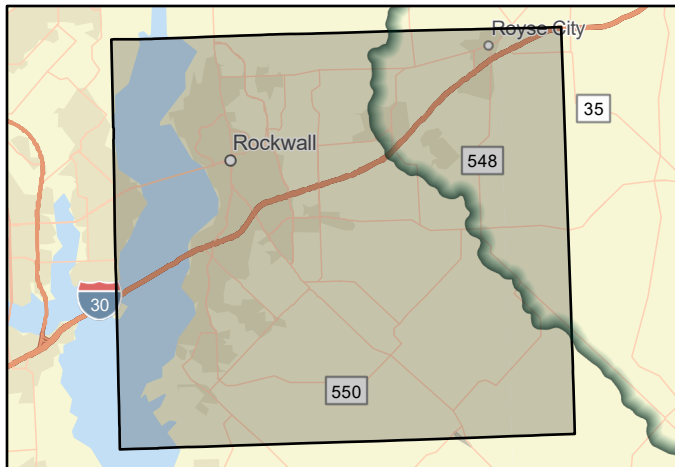
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$250,000** Amount of available funding **\$25000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Chambers Creek Stream Flow Monitoring System**

ID# **032000011** Sponsor **Everman**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Implement a Stream Flow Monitoring system that will allow for historical tracking and constant monitoring of water levels to assist with early warnings to residents**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301020403** Drainage area (mi², est.) **2**

County **Tarrant**

Existing 100-Year Flood Risk

Population at risk **1,006** # of structures **272** Critical facilities **4**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **86** Roadway(s) impacted (miles) **6**

Number of low water crossings **8** 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 **No** Reduction in # of road closures over 10 years **-**

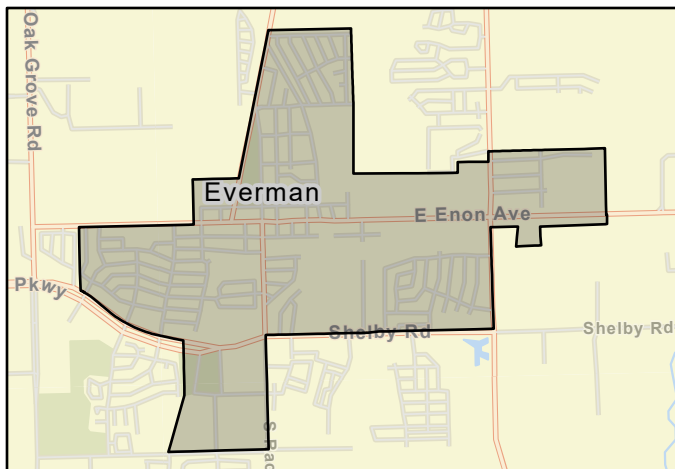
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$250,000** Amount of available funding **\$25000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Creek Level Monitoring Systems and Weather Stations Installation**

ID# **032000012** Sponsor **Mansfield**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Install creek level monitoring systems and weather stations**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301020603,120301020601,120301020604,120301020605,1203010204** Drainage area (mi², est.) **36**

County **Tarrant**

Existing 100-Year Flood Risk

Population at risk **2,492** # of structures **422** Critical facilities **4**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **779** Roadway(s) impacted (miles) **30**

Number of low water crossings **12** 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 **No** Reduction in # of road closures over 10 years **-**

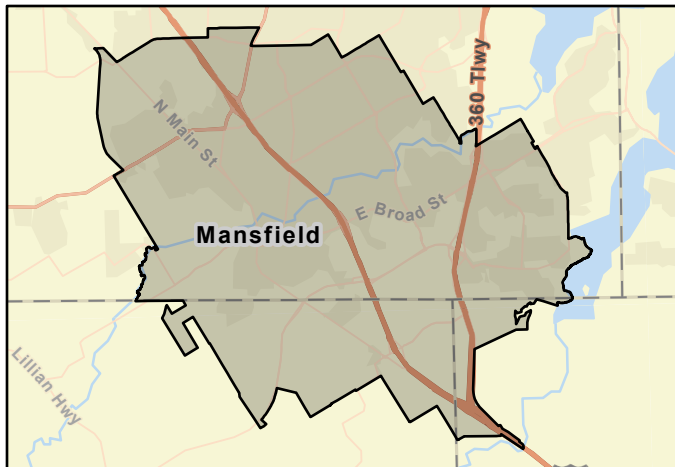
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$250,000** Amount of available funding **\$25000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Dalworthington Flood Warning System**

ID# **032000013** Sponsor **Dalworthington Gardens**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Purchase and install a technological based high water detection system for low water crossings to mitigate the hazards when the location floods**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301020405** Drainage area (mi², est.) **2**

County **Tarrant**

Existing 100-Year Flood Risk

Population at risk **25** # of structures **12** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **16** Roadway(s) impacted (miles) **1**

Number of low water crossings **3** 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 **No** Reduction in # of road closures over 10 years **-**

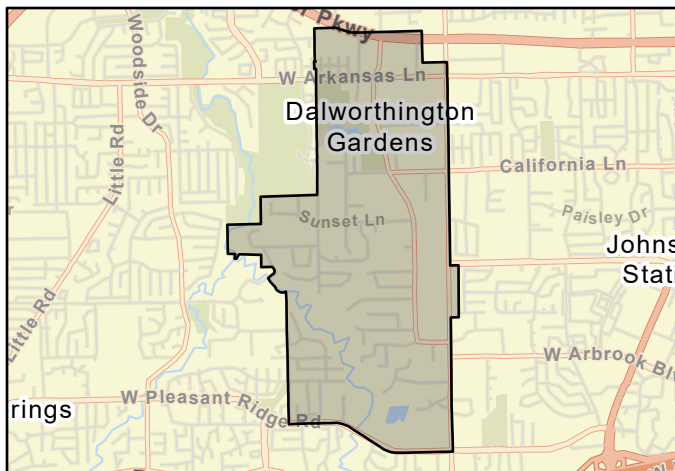
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$300,000** Amount of available funding **\$-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Colleyville Flood Warning System**

ID# **032000014** Sponsor **Colleyville**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Enhance high water warning system by adding automatic gates on the streets that normally flood**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301020704,120301020505,120301020703** Drainage area (mi², est.) **13**

County **Tarrant**

Existing 100-Year Flood Risk

Population at risk **735** # of structures **156** Critical facilities **2**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **132** Roadway(s) impacted (miles) **5**

Number of low water crossings **4** 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 **No** Reduction in # of road closures over 10 years **-**

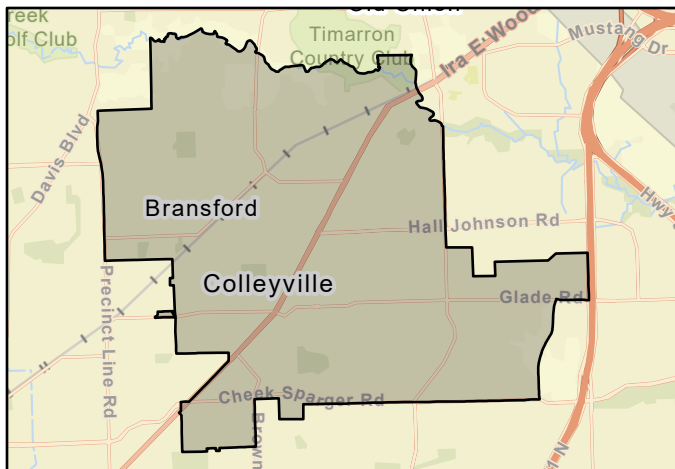
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$250,000** Amount of available funding **\$225000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Haslet Flood Warning System**

ID# **032000015** Sponsor **Haslet**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type	Flood Measurement and Warning		
Strategy description	Install flood warning devices to low water crossing.		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	10
Watershed HUC# (if known)	120301040301,120301040302,120301020703,120301020503	County	Tarrant

Existing 100-Year Flood Risk

Population at risk	103	# of structures	39	Critical facilities	1
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	528	Roadway(s) impacted (miles)	2		
Number of low water crossings	4	Historical road closures	-		

100-Year Flood Risk Reduction

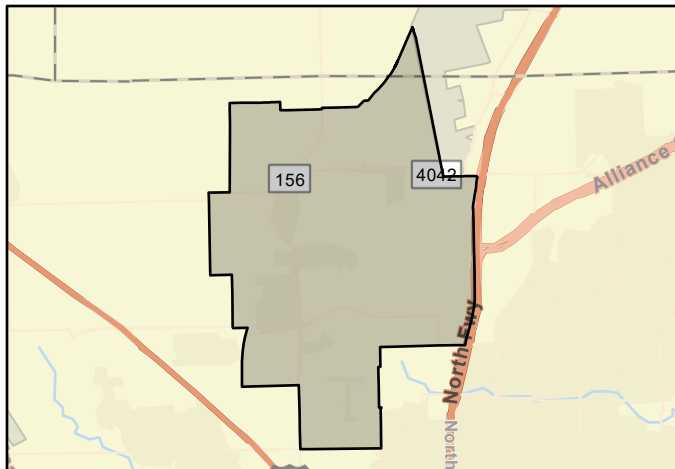
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	No	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	No negative impact.
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$250,000	Amount of available funding	\$25000	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Additional Rain/Stream Gauges for 13 locations**

ID# **032000016** Sponsor **Grand Prairie**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **West Fork Trinity River at MacArthur Blvd, Bowman Creek at Mirabella Blvd, Cottonwood Creek at Robinson Road, Johnson Creek at Duncan Perry Road, Foster Branch at Seeton Road, Mountain Creek at county road FM 661, Carrier Parkway underneath I-20, Robinson**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301020603,120301020606,120301020607,120301020601,1203010207** Drainage area (mi², est.) **81**

County **Dallas**

Existing 100-Year Flood Risk

Population at risk **3,471** # of structures **442** Critical facilities **8**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **1,927** Roadway(s) impacted (miles) **40**

Number of low water crossings **19** 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 **No** Reduction in # of road closures over 10 years **-**

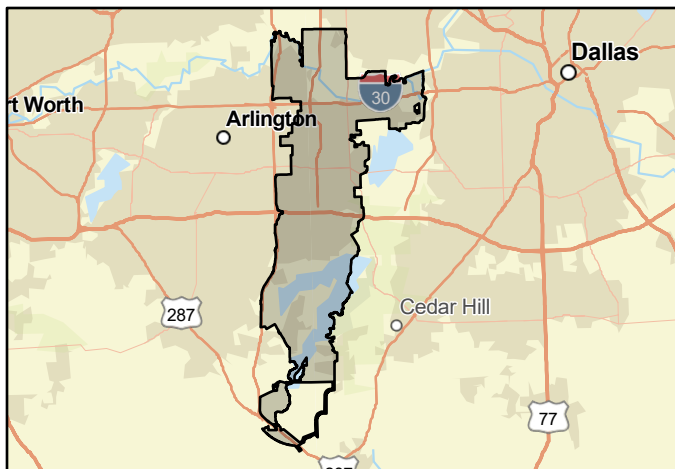
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$250,000** Amount of available funding **\$25000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Additional Low Water Crossing Flashing Lights and Automated Gates**

ID# **032000017** Sponsor **Grand Prairie**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Duncan Perry Road between Ave K and Sherwood Drive, Riverside Pkwy LWC (lights already in place need gates added), SW 3rd from Phillips Ct to Dickey Road (gates being added in September 2021)**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301020603,120301020606,120301020607,120301020601,1203010207** Drainage area (mi², est.) **81**

County **Dallas**

Existing 100-Year Flood Risk

Population at risk **3,471** # of structures **442** Critical facilities **8**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **1,927** Roadway(s) impacted (miles) **40**

Number of low water crossings **19** 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 **No** Reduction in # of road closures over 10 years **-**

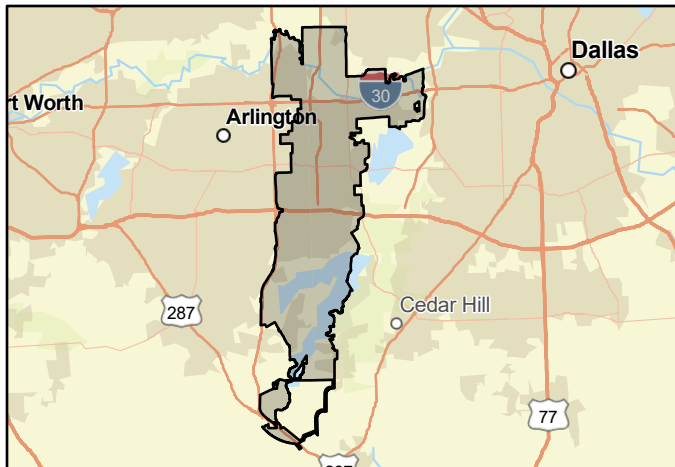
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$250,000** Amount of available funding **\$25000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Grayson County Flood Warning and Public Safety Improvements**

ID# **032000018** Sponsor **Grayson County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Create improved gauge notification system. Increased Public Awareness prior to occurrences and during flooding.**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301020603,120301020601,120301020604,120301020605,1203010204** Drainage area (mi², est.) **976**

County **Grayson**

Existing 100-Year Flood Risk

Population at risk **541** # of structures **436** Critical facilities **5**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **21,311** Roadway(s) impacted (miles) **43**

Number of low water crossings **1** 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 **No** Reduction in # of road closures over 10 years **-**

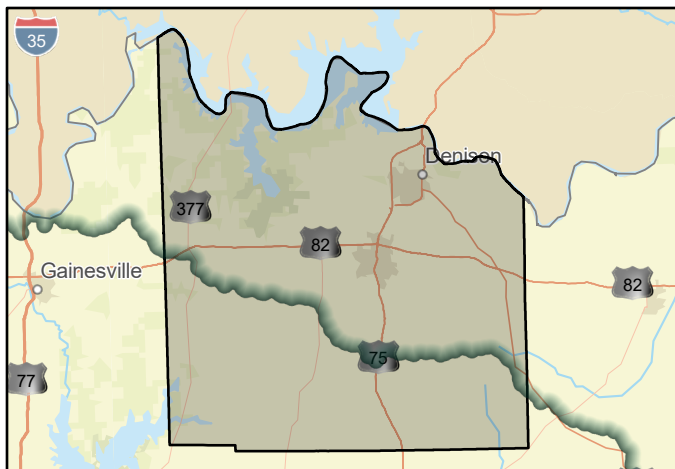
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

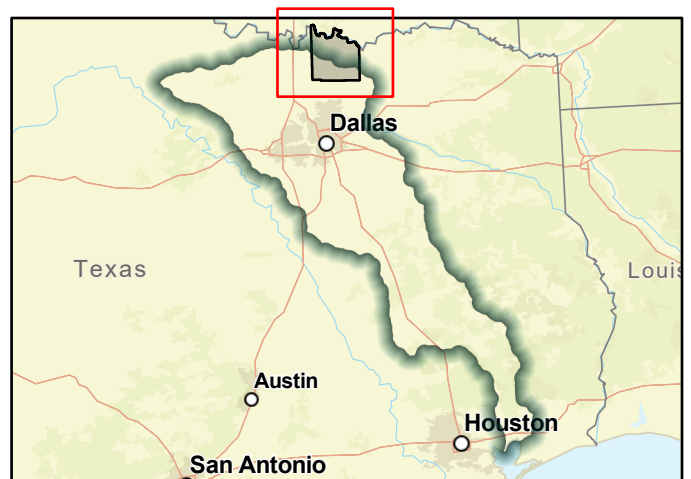
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$250,000** Amount of available funding **\$25000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Dallas County Floodplain Management**

ID# **032000019** Sponsor **Dallas County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Manage the Floodplain beyond the minimum requirements. This action will include developing an incentive program for building above the required freeboard minimum		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	905
Watershed HUC# (if known)	120301030402,120301030404	County	Dallas

Existing 100-Year Flood Risk

Population at risk	181,697	# of structures	22,225	Critical facilities	369
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	31,558	Roadway(s) impacted (miles)	791		
Number of low water crossings	387	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	No	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	No negative impact.
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$1,000,000	Amount of available funding	\$100000	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Anderson County Structure Permitting Requirement Update**

ID# **032000020** Sponsor **Anderson County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Increase freeboard requirements for permitting structures in the SFHA; Adopt a "no-rise" in BFE in the 100-year floodplain; Update local flood ordinance to prohibit granting of variance in SFHA**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **-** Drainage area (mi², est.) **1,073**

County **Anderson**

Existing 100-Year Flood Risk

Population at risk **1,408** # of structures **667** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **36,104** Roadway(s) impacted (miles) **73**

Number of low water crossings **6** 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 **No** Reduction in # of road closures over 10 years **-**

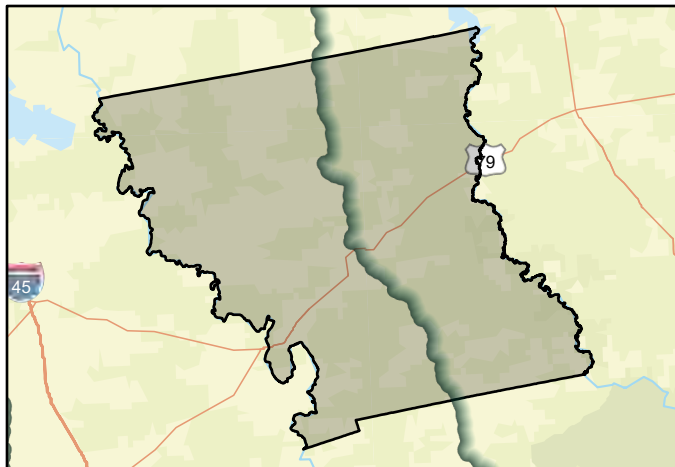
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

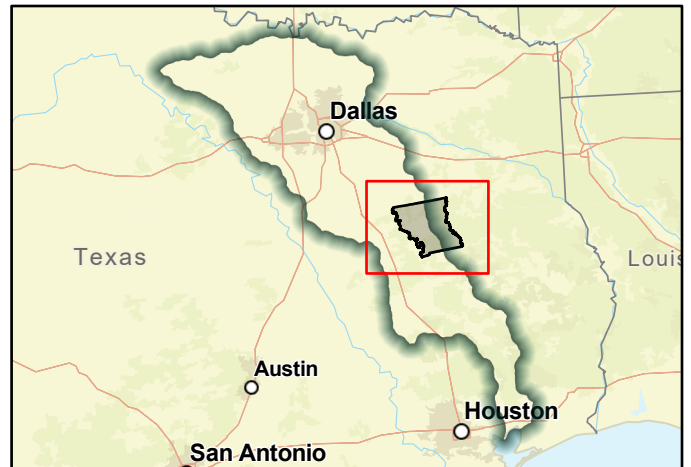
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

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



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Flood Protection Ordinance Updates**

ID# **032000022** Sponsor **Corinth, Hickory Creek, Lake Dallas, Little Elm, Shady**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Develop and Implement a City and Town flood protection ordinance		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	56
Watershed HUC# (if known)	120301030905,120301030705,120301030904,120301030906,1203010309		County
			Denton

Existing 100-Year Flood Risk

Population at risk	1,062	# of structures	381	Critical facilities	22
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	1,614	Roadway(s) impacted (miles)	31		
Number of low water crossings	2	Historical road closures	-		

100-Year Flood Risk Reduction

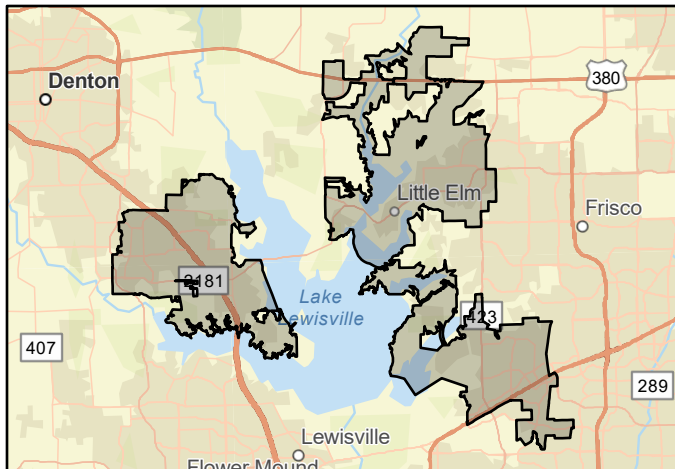
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	No	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	No negative impact.
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 **Hill County Flooding Regulations Update**

ID# **032000023** Sponsor **Hill County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Catalog, evaluate, and update any floodplain regulations within the City to comply with the latest FEMA regulations.**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301080108,120301080106** Drainage area (mi², est.) **982**

County **Hill**

Existing 100-Year Flood Risk

Population at risk **109** # of structures **127** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **24,902** Roadway(s) impacted (miles) **24**

Number of low water crossings **1** 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 **No** Reduction in # of road closures over 10 years **-**

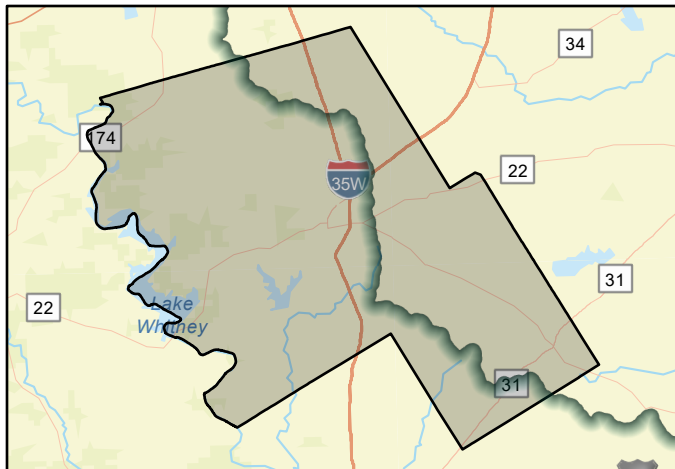
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

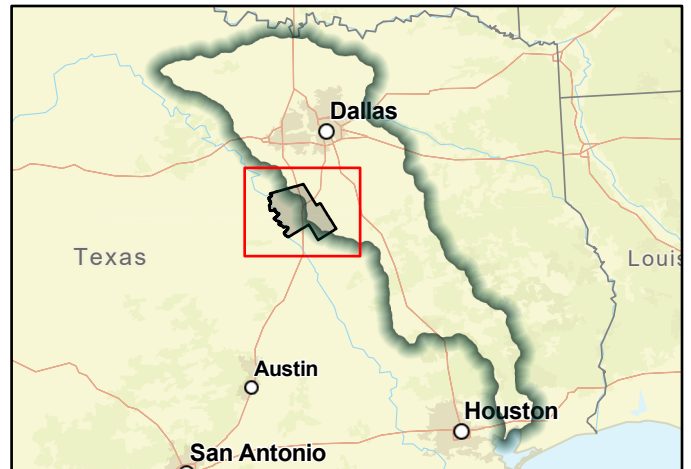
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **\$10000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Freestone County Flood Damage Prevention Ordinance**

ID# **032000024** Sponsor **Freestone County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Develop and Implement a Flood Damage Prevention Ordinance**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301030402,120301030404** Drainage area (mi², est.) **888**

County **Freestone**

Existing 100-Year Flood Risk

Population at risk **389** # of structures **557** Critical facilities **3**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **21,753** Roadway(s) impacted (miles) **91**

Number of low water crossings **2** 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 **No** Reduction in # of road closures over 10 years **-**

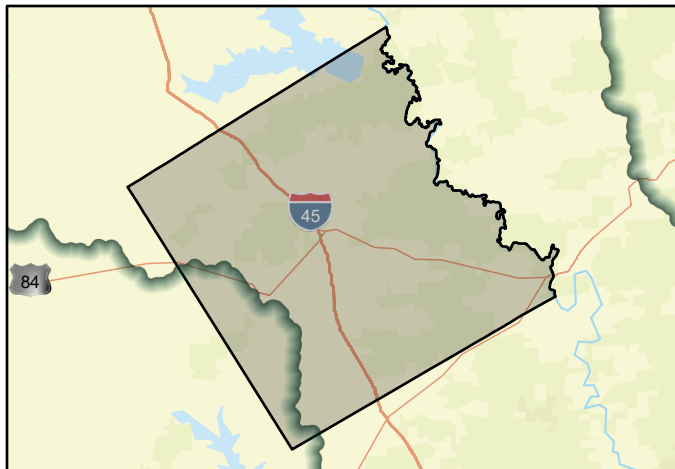
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

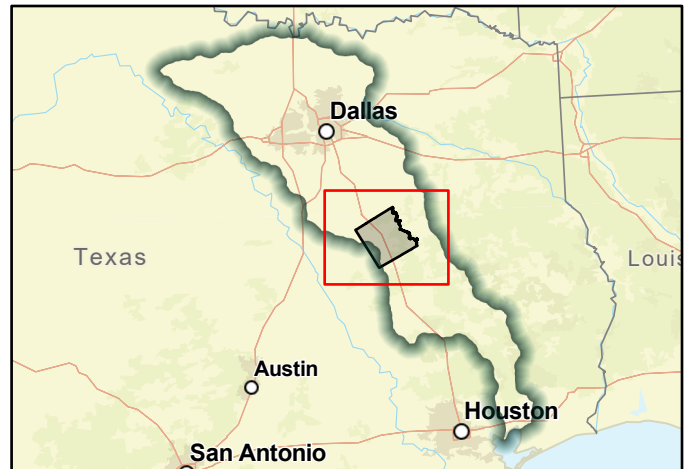
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **\$10000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Caney City Floodproofing Ordinances**

ID# **032000025** Sponsor **Caney City**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Implement ordinances to ensure new housing developments meet current floodproofing, as well as ensure that critical facilities owned by jurisdiction are protected from flood.		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	1
Watershed HUC# (if known)	120301070307,120301070309	County	Henderson

Existing 100-Year Flood Risk

Population at risk	4	# of structures	8	Critical facilities	0
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	4	Roadway(s) impacted (miles)	1		
Number of low water crossings	0	Historical road closures	-		

100-Year Flood Risk Reduction

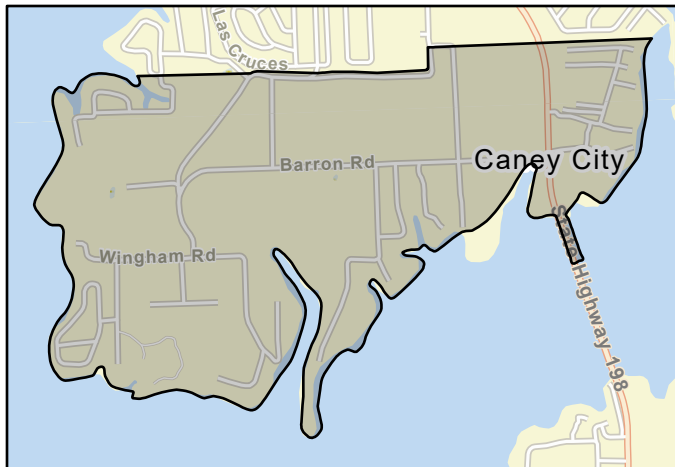
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	No	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	No negative impact.
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$100,000	Amount of available funding	\$10000	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Leon County Floodplain Construction Restrictions Re-Evaluation**

ID# **032000026** Sponsor **Leon County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **This action proposes a re-evaluation of all existing floodplain construction restrictions to identify strengths and weaknesses in order to reduce future damages during flood events**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301070307,120301070309** Drainage area (mi², est.) **1,076**

County **Leon**

Existing 100-Year Flood Risk

Population at risk **0** # of structures **0** Critical facilities **6**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **100**

Number of low water crossings **5** 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 **No** Reduction in # of road closures over 10 years **-**

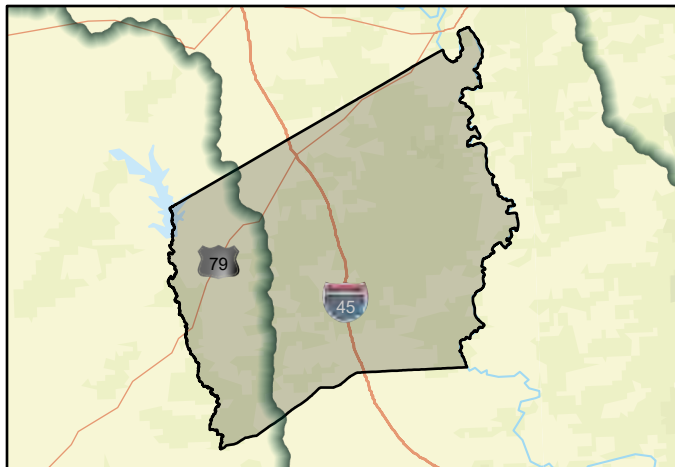
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **\$10000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Rockwall County Flood Prevention Ordinance**

ID# **032000027** Sponsor **Rockwall County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Update Flood Prevention ordinance, adopting a "no-rise" in Base Flood Elevation in the 100-year floodplain**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301060409,120301060402,120301060502,120301060401,1201000103** Drainage area (mi², est.) **148**

County **Rockwall**

Existing 100-Year Flood Risk

Population at risk **1,553** # of structures **411** Critical facilities **3**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **4,485** Roadway(s) impacted (miles) **34**

Number of low water crossings **15** 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 **No** Reduction in # of road closures over 10 years **-**

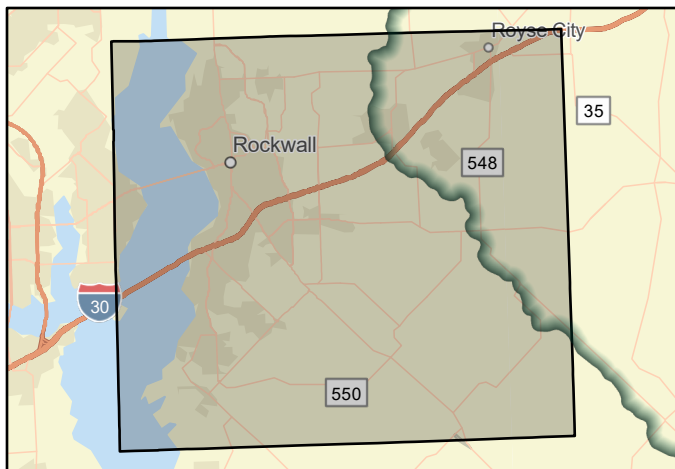
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **\$10000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **San Jacinto County Ordinance to Control Location of Development**

ID# **032000028** Sponsor **San Jacinto County, Shepherd, Coldspring, Point**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Strengthen ordinance(s)/code(s) to control location of development, especially in low lying flood hazard areas**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120302021104,120302021105,120401030307,120302021207,1203020212** Drainage area (mi², est.) **10**

County **San Jacinto**

Existing 100-Year Flood Risk

Population at risk **875** # of structures **270** Critical facilities **4**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **74** Roadway(s) impacted (miles) **7**

Number of low water crossings **0** 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 **No** Reduction in # of road closures over 10 years **-**

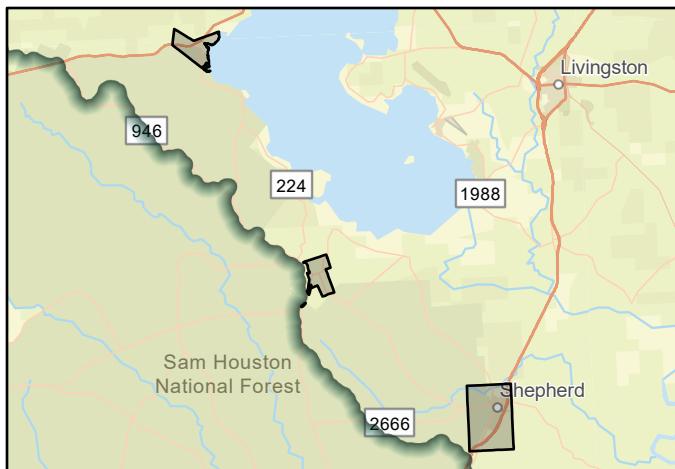
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **\$10000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Montague County Floodplain Policy Update**

ID# **032000029** Sponsor **Montague County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Increase freeboard requirements for permitting structures in the SFHA; Update local flood ordinance to prohibit granting of variance in SFHA**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120302021104,120302021105,120401030307,120302021207,1203020212** Drainage area (mi², est.) **933**

County **Montague**

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) **0** Roadway(s) impacted (miles) **57**

Number of low water crossings **3** 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 **No** Reduction in # of road closures over 10 years **-**

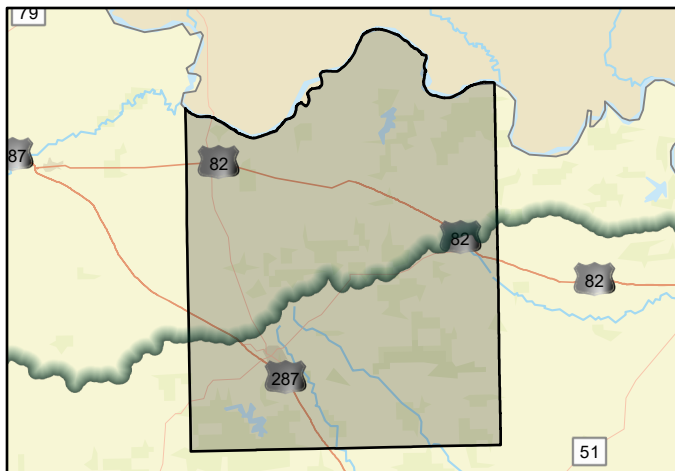
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **\$10000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Town of Westlake's Floodplain Mitigation Ordinances Review**

ID# **032000030** Sponsor **Westlake**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Review and enhance the Town of Westlake's floodplain mitigation ordinances and policies as needed**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301040305** Drainage area (mi², est.) **7**

County **Tarrant**

Existing 100-Year Flood Risk

Population at risk **114** # of structures **17** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **236** Roadway(s) impacted (miles) **2**

Number of low water crossings **3** 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 **No** Reduction in # of road closures over 10 years **-**

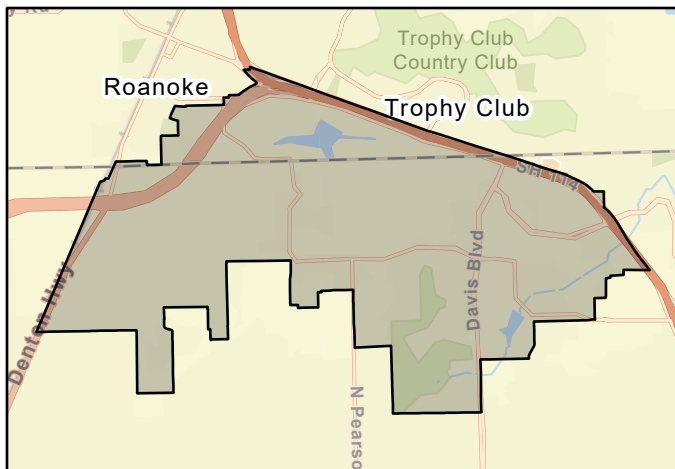
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **\$10000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Wills Point Structure Permitting Requirement Update**

ID# **032000031** Sponsor **Wills Point**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Increase freeboard requirements for permitting structures in the SFHA; Adopt a "no-rise" in BFE in the 100-year floodplain; Update local flood ordinance**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301070203,120100010501** Drainage area (mi², est.) **2**

County **Van Zandt**

Existing 100-Year Flood Risk

Population at risk **91** # of structures **25** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **24** Roadway(s) impacted (miles) **1**

Number of low water crossings **0** 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 **No** Reduction in # of road closures over 10 years **-**

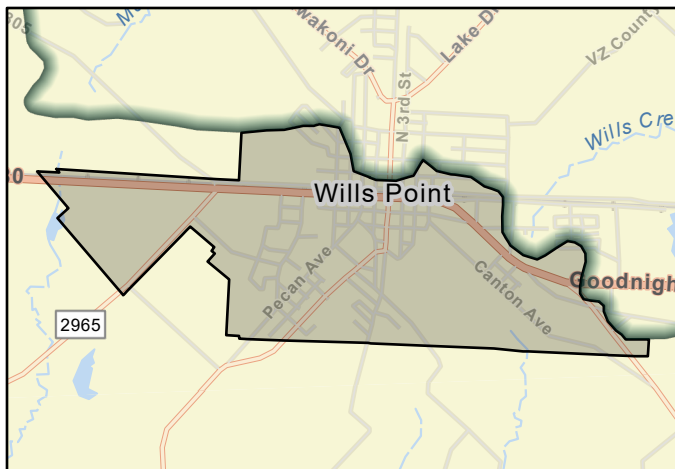
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **\$10000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Valley View Floodplain Regulation Updates**

ID# **032000033** Sponsor **Valley View**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Update local ordinances to include regulation of floodplain so that the community may participate in NFIP program.**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301030402,120301030404** Drainage area (mi², est.) **2**

County **Cooke**

Existing 100-Year Flood Risk

Population at risk **5** # of structures **7** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **92** Roadway(s) impacted (miles) **1**

Number of low water crossings **2** 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 **No** Reduction in # of road closures over 10 years **-**

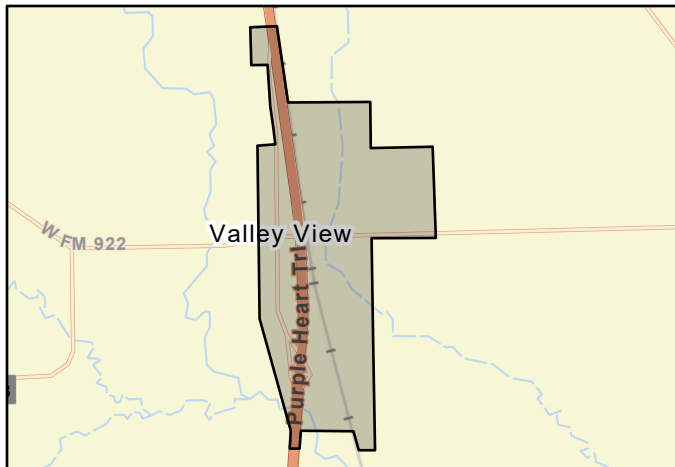
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **\$10000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **City of Sachse Parks Construction Along Low Lying Areas**

ID# **032000034** Sponsor **Sachse**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Other**

Strategy description **Establish city parks along low-lying areas**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301060406,120301060408,120301060403** Drainage area (mi², est.) **10**

County **Dallas**

Existing 100-Year Flood Risk

Population at risk **240** # of structures **71** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **254** Roadway(s) impacted (miles) **4**

Number of low water crossings **6** 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 **Establish city parks along low-lying areas.** Reduction in # of road closures over 10 years **-**

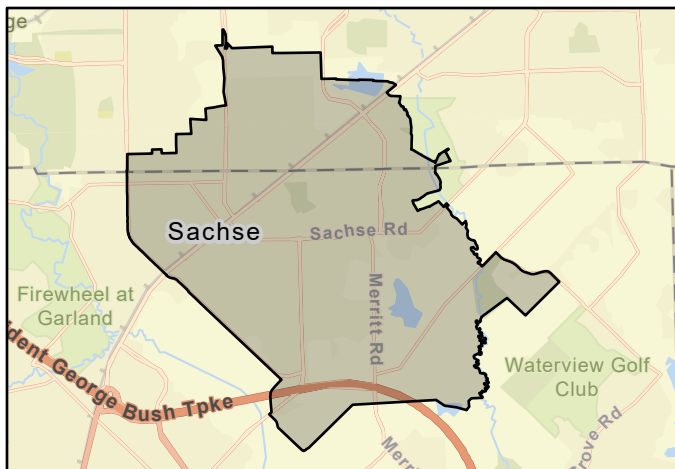
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$1,000,000** Amount of available funding **\$100000** % Nature-Based **100**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Carrollton Targeted Flood Remediation**

ID# **032000035** Sponsor **Carrollton**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Plan for and establish City-owned stand-by contracts for targeted flood remediation of private homes if authorized by City Administration.**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301040307,120301031002,120301031005,120301031004,1203010310** Drainage area (mi², est.) **37**

County **Dallas**

Existing 100-Year Flood Risk

Population at risk **15,723** # of structures **1,068** Critical facilities **18**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **617** Roadway(s) impacted (miles) **48**

Number of low water crossings **19** 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 **No** Reduction in # of road closures over 10 years **-**

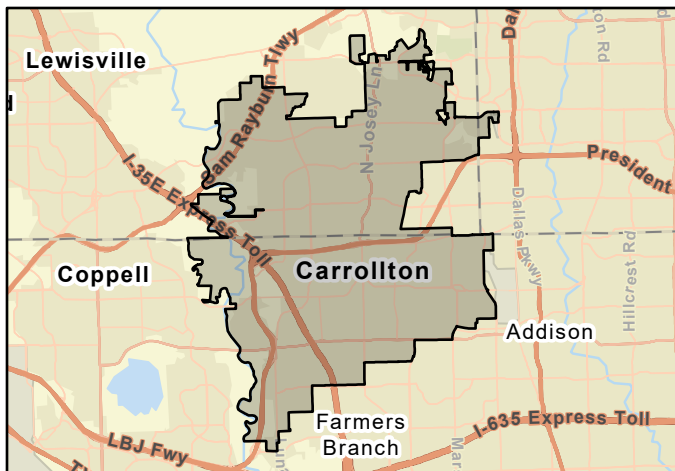
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$5,000,000** Amount of available funding **\$500000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Sunnyvale Floodplain Preservation Program**

ID# **032000036** Sponsor **Sunnyvale**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Restrict future development in high risk areas.**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301060409,120301060501,120301060503** Drainage area (mi², est.) **17**

County **Dallas**

Existing 100-Year Flood Risk

Population at risk **164** # of structures **54** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **1,002** Roadway(s) impacted (miles) **6**

Number of low water crossings **2** 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 **No** Reduction in # of road closures over 10 years **-**

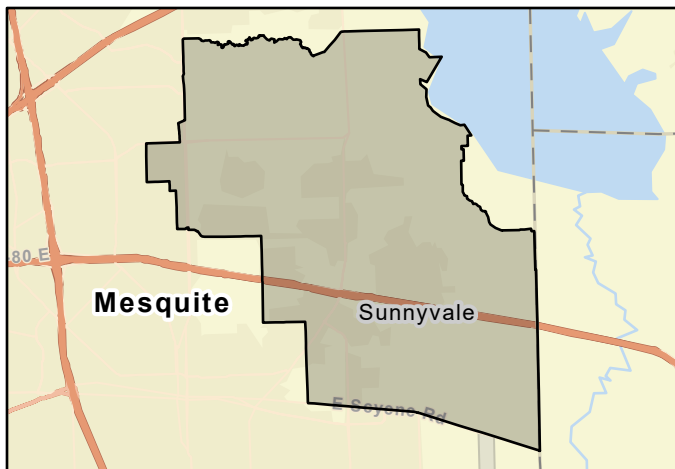
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **\$10000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Itasca Zoning Regulations and Land Use Planning Mechanisms**

ID# **032000037** Sponsor **Itasca**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Establish zoning regulations to prohibit residential construction in flood prone areas. Implement strategic land-use planning mechanisms to ensure flood-resistant development occurs in flood-prone areas**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120602020501,120301090107** Drainage area (mi², est.) **1**

County **Hill**

Existing 100-Year Flood Risk

Population at risk **2** # of structures **4** Critical facilities **0**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **26** Roadway(s) impacted (miles) **0**

Number of low water crossings **0** 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 **No** Reduction in # of road closures over 10 years **-**

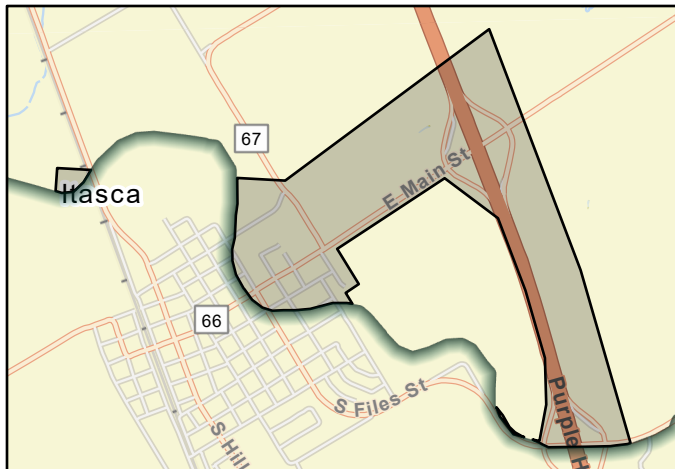
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **\$10000** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Kaufman County Regulation Standards to Protect Open Space Flood-Prone Areas**

ID# **032000038** Sponsor **Kaufman County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Conduct program in conjunction with local communities to incorporate regulatory standards to protect open space flood-prone areas		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	804
Watershed HUC# (if known)	120301030402,120301030404	County	Kaufman

Existing 100-Year Flood Risk

Population at risk	4,193	# of structures	2,086	Critical facilities	13
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	88,118	Roadway(s) impacted (miles)	148		
Number of low water crossings	16	Historical road closures	-		

100-Year Flood Risk Reduction

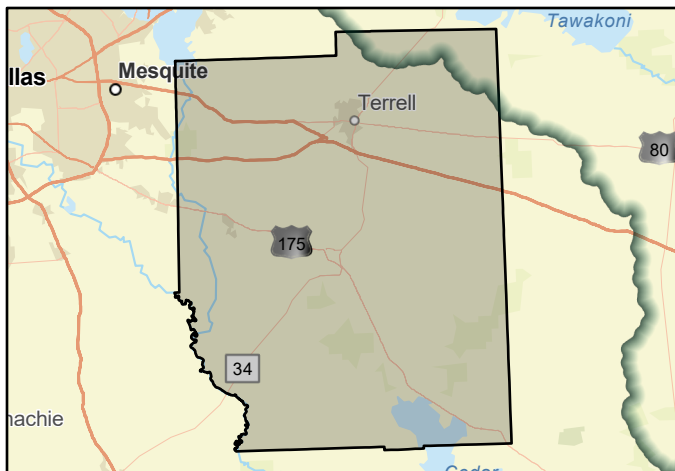
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	No	Reduction in # of road closures over 10 years	-

Impacts

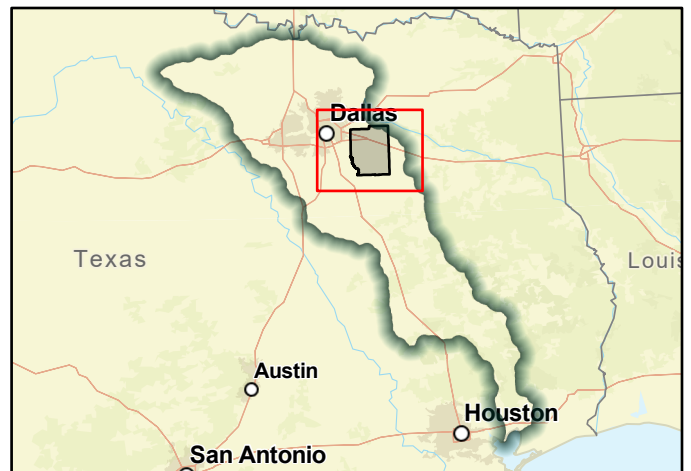
Negative impacts?	No	Negative impacts description	No negative impact.
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$100,000	Amount of available funding	\$10000	% Nature-Based	100
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Tarrant County Promotion of Open Space and LID**

ID# **032000039** Sponsor **North Central Texas Council of Govt**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Promote the inclusion of low impact development requirements in local and regional ordinances**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301020403** Drainage area (mi², est.) **900**

County **Tarrant**

Existing 100-Year Flood Risk

Population at risk **78,224** # of structures **14,853** Critical facilities **163**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **20,063** Roadway(s) impacted (miles) **468**

Number of low water crossings **530** 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 **No** Reduction in # of road closures over 10 years **-**

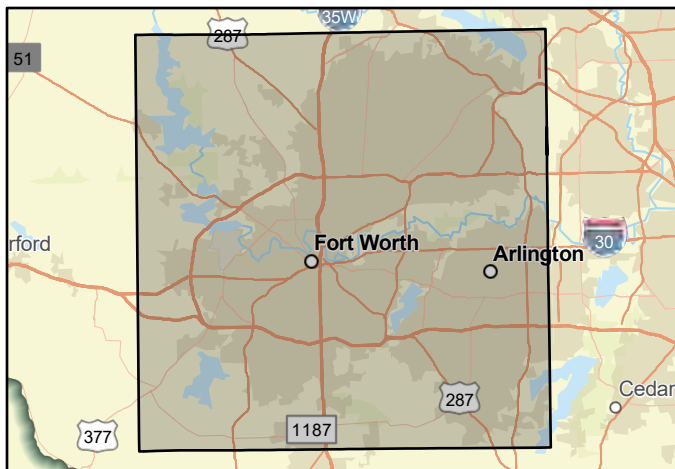
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$500,000** Amount of available funding **\$50000** % Nature-Based **100**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Dallas County Land Use Program**

ID# **032000041** Sponsor **Richardson**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Continue to develop and maintain special use parks and green belt areas as flooding mitigation strategies & further prohibiting development in the floodplain.**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301060406,120301060407,120301050105,120301050104,1203010605** Drainage area (mi², est.) **29**

County **Dallas**

Existing 100-Year Flood Risk

Population at risk **613** # of structures **139** Critical facilities **1**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **81** Roadway(s) impacted (miles) **7**

Number of low water crossings **25** 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 **No** Reduction in # of road closures over 10 years **-**

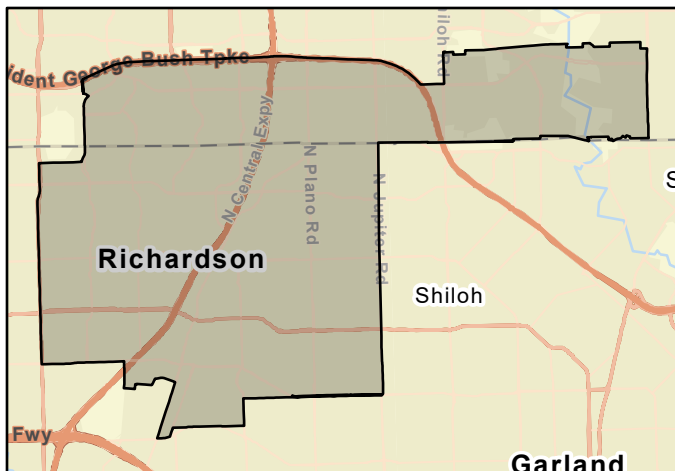
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

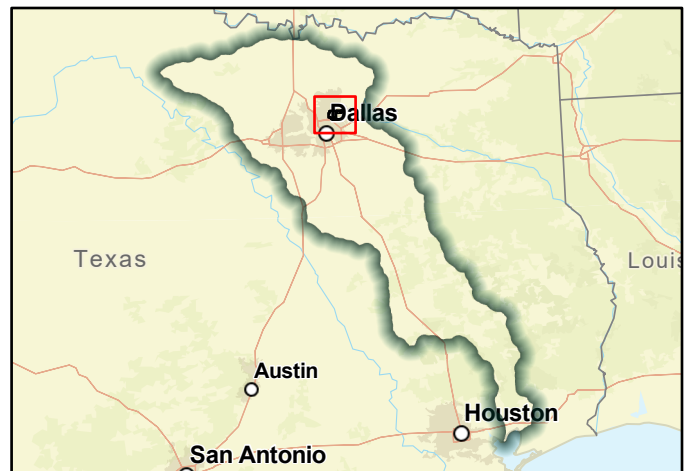
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$100,000** Amount of available funding **\$10000** % Nature-Based **100**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Houston County Maintenance Program**

ID# **032000042** Sponsor **Houston County**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type	Other		
Strategy description	Develop a maintenance program to clear debris from bridges, box culverts, and drainage systems throughout. Implement program to clear debris from flood-prone areas, bridges, drains and culverts to prevent overtopping and backup during flash floods		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	1,232
Watershed HUC# (if known)	120602020501,120301090107	County	Houston

Existing 100-Year Flood Risk

Population at risk	0	# of structures	0	Critical facilities	5
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	110		
Number of low water crossings	18	Historical road closures	-		

100-Year Flood Risk Reduction

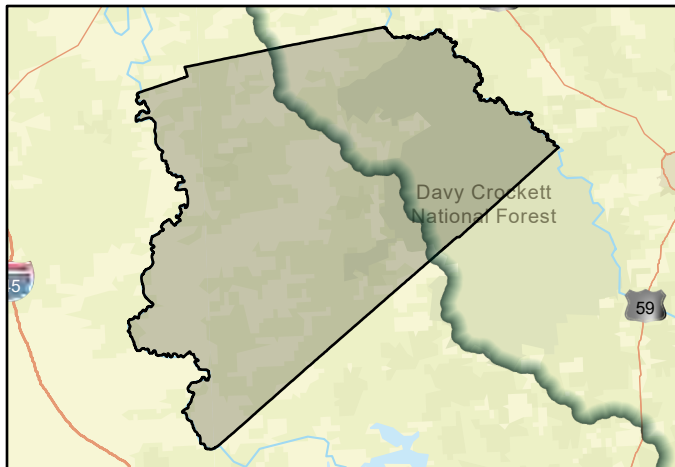
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	No	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	No negative impact.
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	\$100,000	Amount of available funding	\$10000	% Nature-Based	0
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FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Kaufman County Agreement to Monitor High Hazard Dams**

ID# **032000043** Sponsor **Kaufman County, Terrell, Kemp, Kaufman**

RFPG recommend? **Yes** Reason for Recommendation **Action aligns with goals and meets TWDB guidance**

Strategy Details

Strategy type **Other**

Strategy description **Develop a mutual aid agreement with the City of Terrell, City of Kemp, City of Kaufman to monitor High hazard dams with automated monitor to minimize potential dam failure of the structure**

Associated FME's **-** Associated FMP's **-**

Associated FMS's **-**

Watershed HUC# (if known) **120301030402,120301030404** Drainage area (mi², est.) **804**

County **Kaufman**

Existing 100-Year Flood Risk

Population at risk **4,193** # of structures **2,086** Critical facilities **13**

Flood risk type: Riverine? **Yes** Coastal? **No** Local? **No** Playa? **No** Other? **No**

Farm/Ranch land impacted (acres) **88,118** Roadway(s) impacted (miles) **148**

Number of low water crossings **16** 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 **No** Reduction in # of road closures over 10 years **-**

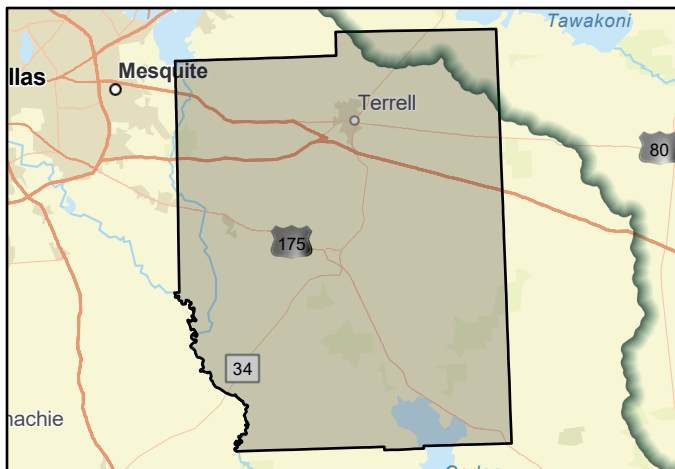
Impacts

Negative impacts? **No** Negative impacts description **No negative impact.**

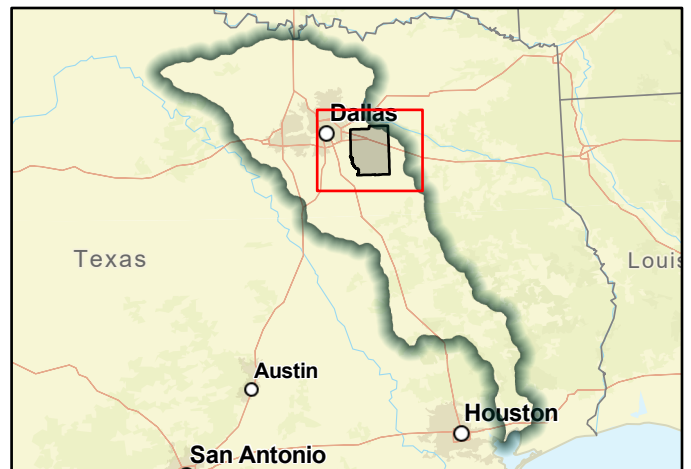
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$300,000** Amount of available funding **\$30000** % Nature-Based **0**



FMS area



Regional view of FMS area