

Flood Management Strategy (FMS)

**LOWER RED-SULPHUR-CYPRESS
REGIONAL FLOOD
PLANNING GROUP
REGION 2**

Title **Bowie County NFIP Involvement**

ID# **022000012** Sponsor **Bowie County**

RFPG recommend? **Yes** Reason for Recommendation **Improves understanding of flood risk, reduces future risks, and makes flood insurance available**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Application to join NFIP or adoption of equivalent standards		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	920
Watershed HUC# (if known)		County	Bowie

Existing 100-Year Flood Risk

Population at risk	9,746	# of structures	2,657	Critical facilities	19
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	30,919	Roadway(s) impacted (miles)	314		
Number of low water crossings	7	Historical road closures	-99,999		

100-Year Flood Risk Reduction

Population removed from 100-yr	-99,999	# of structures removed from 100-yr	-99,999
Critical facilities removed from 100-yr	-99,999	Farm/Ranch land removed from 100-yr (acres)	-99,999
Road removed from 100-yr (miles)	-99,999	Low water crossings removed from 100-yr	-99,999
Other benefits	None	Reduction in # of road closures over 10 years	-99,999

Impacts

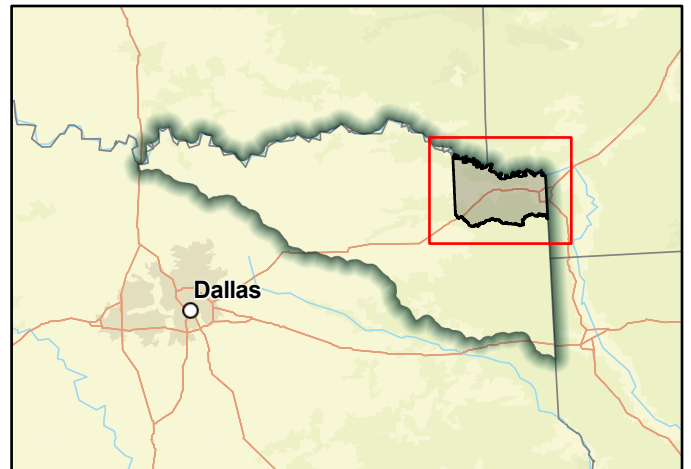
Negative impacts?	No	Negative impacts description	No negative impact
Water supply contributions?	No	Water supply contribution description	-

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 **Camp County NFIP Involvement**

ID# **022000013** Sponsor **Camp County**

RFPG recommend? **Yes** Reason for Recommendation **Improves understanding of flood risk, reduces future risks, and makes flood insurance available**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards**

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

Associated FMS's **-**

Watershed HUC# (if known) **111403050203,111403050201,111403050310,111403050302,1114030502** Drainage area (mi², est.) **203**

County **Camp**

Existing 100-Year Flood Risk

Population at risk **619** # of structures **256** Critical facilities **4**

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

Farm/Ranch land impacted (acres) **359** Roadway(s) impacted (miles) **30**

Number of low water crossings **1** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **None** Reduction in # of road closures over 10 years **-99,999**

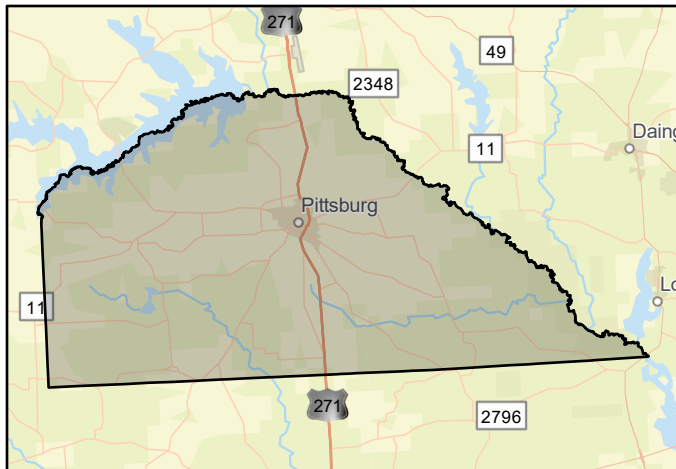
Impacts

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

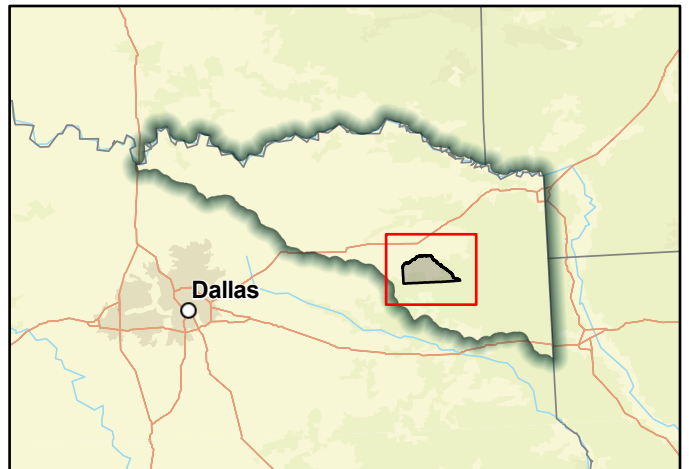
Water supply contributions? **No** Water supply contribution description **-**

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 **Cass County NFIP Involvement**

ID# **022000014** Sponsor **Cass County**

RFPG recommend? **Yes** Reason for Recommendation **Improves understanding of flood risk, reduces future risks, and makes flood insurance available**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Application to join NFIP or adoption of equivalent standards		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	957
Watershed HUC# (if known)		County	Cass

Existing 100-Year Flood Risk

Population at risk	2,148	# of structures	574	Critical facilities	12
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	859	Roadway(s) impacted (miles)	160		
Number of low water crossings	7	Historical road closures	-99,999		

100-Year Flood Risk Reduction

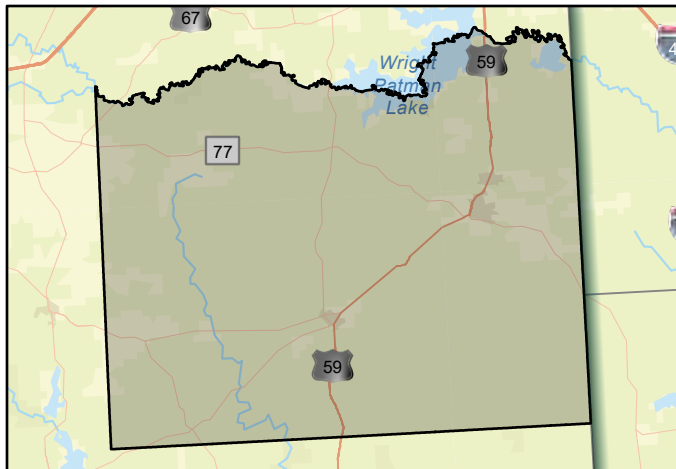
Population removed from 100-yr	-99,999	# of structures removed from 100-yr	-99,999
Critical facilities removed from 100-yr	-99,999	Farm/Ranch land removed from 100-yr (acres)	-99,999
Road removed from 100-yr (miles)	-99,999	Low water crossings removed from 100-yr	-99,999
Other benefits	None	Reduction in # of road closures over 10 years	-99,999

Impacts

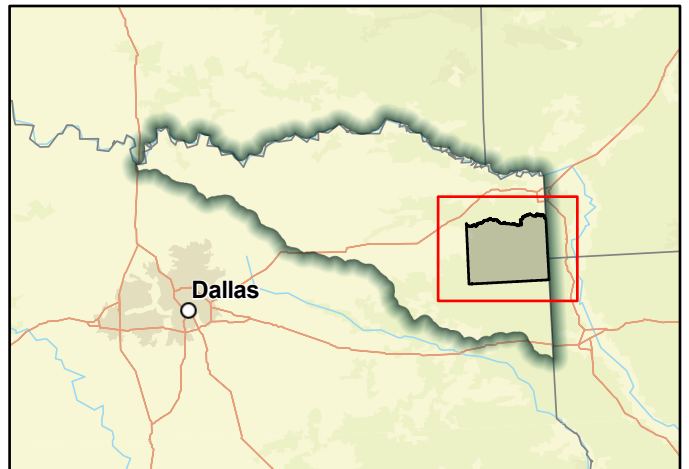
Negative impacts?	No	Negative impacts description	No negative impact
Water supply contributions?	No	Water supply contribution description	-

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)

LOWER RED-SULPHUR-CYPRESS
**REGIONAL FLOOD
 PLANNING GROUP**
 REGION 2

Title **City of Avinger NFIP Involvement**

ID# **022000001** Sponsor **City of Avinger**

RFPG recommend? **Yes** Reason for Recommendation **Improves understanding of flood risk, reduces future risks, and makes flood insurance available**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards**

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

Associated FMS's **-**

Watershed HUC# (if known) **111403050405,111403060206,111403060207** Drainage area (mi², est.) **2**

County **Cass**

Existing 100-Year Flood Risk

Population at risk **8** # of structures **1** 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) **1**

Number of low water crossings **0** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **None** Reduction in # of road closures over 10 years **-99,999**

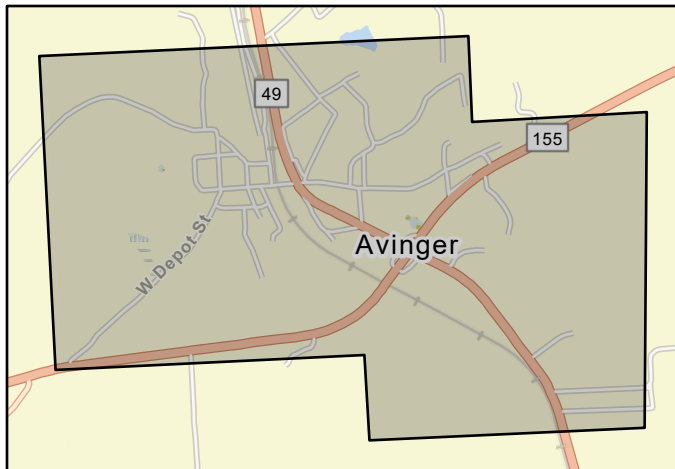
Impacts

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)

**LOWER RED-SULPHUR-CYPRESS
REGIONAL FLOOD
PLANNING GROUP
REGION 2**

Title

ID# Sponsor

RFPG recommend? Yes 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? Yes Coastal? No Local? No Playa? No Other? No

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

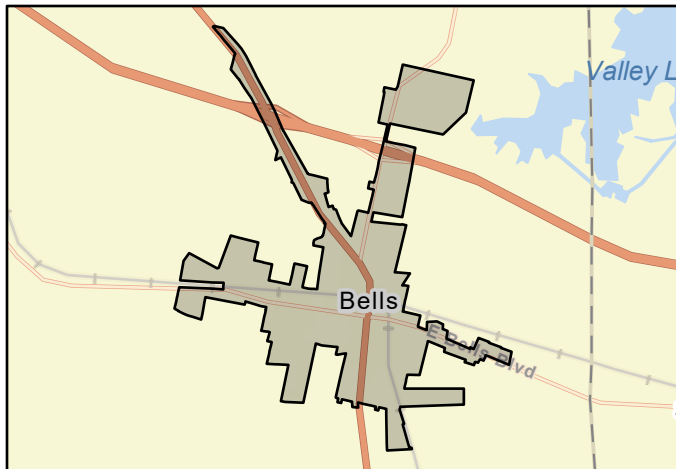
Impacts

Negative impacts? No Negative impacts description

Water supply contributions? No 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)

LOWER RED-SULPHUR-CYPRESS
**REGIONAL FLOOD
 PLANNING GROUP**
 REGION 2

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

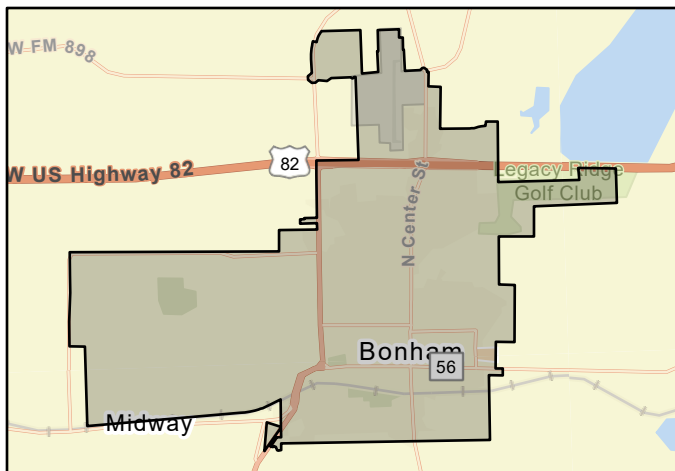
Impacts

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 **City of Commerce CRS Involvement**

ID# **022000031** Sponsor **City of Commerce**

RFPG recommend? **Yes** Reason for Recommendation **Reduces Flood Risk**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Become an NFIP Community Rating System (CRS) Community**

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

Associated FMS's **-**

Watershed HUC# (if known) **111403010105,111403010104,111403010106,111403010202,1114030102** Drainage area (mi², est.) **8**

County **Hunt**

Existing 100-Year Flood Risk

Population at risk **1,179** # of structures **79** Critical facilities **1**

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

Farm/Ranch land impacted (acres) **66** Roadway(s) impacted (miles) **10**

Number of low water crossings **0** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **None** Reduction in # of road closures over 10 years **-99,999**

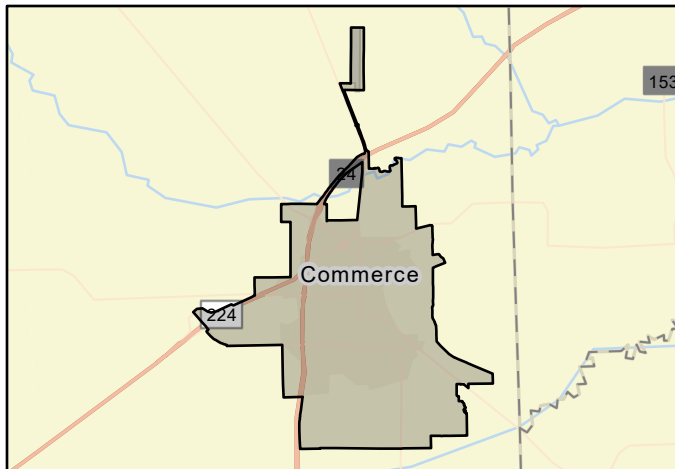
Impacts

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

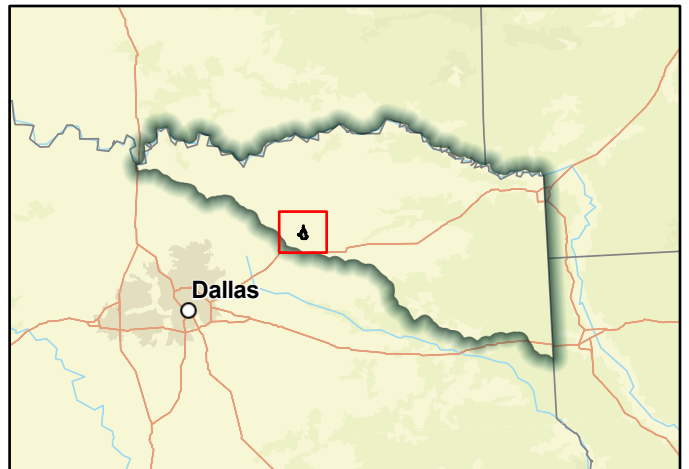
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

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



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

LOWER RED-SULPHUR-CYPRESS
**REGIONAL FLOOD
 PLANNING GROUP**
 REGION 2

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="Application to join NFIP or adoption of equivalent standards"/>		
Associated FME's	<input type="text" value="-"/>	Associated FMP's	<input type="text" value="-"/>
Associated FMS's	<input type="text" value="-"/>	Drainage area (mi ² , est.)	<input type="text" value="1"/>
Watershed HUC# (if known)	<input type="text" value="111403010207,111403010401"/>	County	<input type="text" value="Delta"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="11"/>	# of structures	<input type="text" value="6"/>	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="8"/>	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="-99,999"/>		

100-Year Flood Risk Reduction

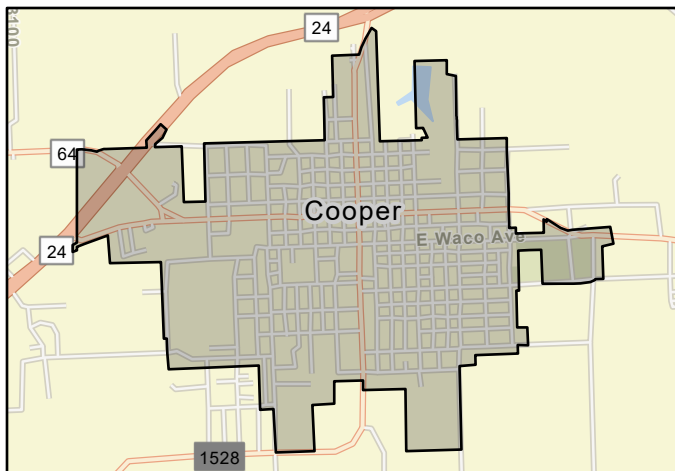
Population removed from 100-yr	<input type="text" value="-99,999"/>	# of structures removed from 100-yr	<input type="text" value="-99,999"/>
Critical facilities removed from 100-yr	<input type="text" value="-99,999"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-99,999"/>
Road removed from 100-yr (miles)	<input type="text" value="-99,999"/>	Low water crossings removed from 100-yr	<input type="text" value="-99,999"/>
Other benefits	<input type="text" value="None"/>	Reduction in # of road closures over 10 years	<input type="text" value="-99,999"/>

Impacts

Negative impacts?	<input type="text" value="No"/>	Negative impacts description	<input type="text" value="No negative impact"/>
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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Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Yes 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? Yes Coastal? No Local? No Playa? No Other? No

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

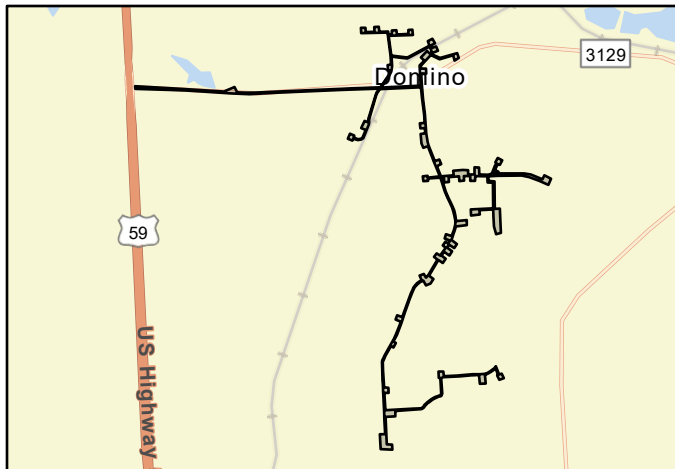
Impacts

Negative impacts? No Negative impacts description

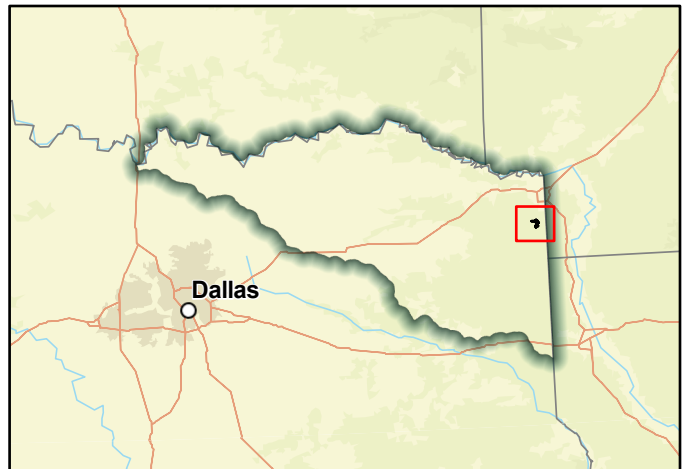
Water supply contributions? No Water supply contribution description

Estimated Cost

Strategy Cost Amount of available funding % Nature-Based



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Yes Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Regulatory and Guidance"/>		
Strategy description	<input type="text" value="Application to join NFIP or adoption of equivalent standards"/>		
Associated FME's	<input type="text" value="-"/>	Associated FMP's	<input type="text" value="-"/>
Associated FMS's	<input type="text" value="-"/>	Drainage area (mi ² , est.)	<input type="text" value="4"/>
Watershed HUC# (if known)	<input type="text" value="111403020605,111403020606"/>		County
			<input type="text" value="Cass"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="2"/>	# of structures	<input type="text" value="1"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input type="checkbox"/> No	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> No
Farm/Ranch land impacted (acres)	<input type="text" value="5"/>		Roadway(s) impacted (miles)	<input type="text" value="1"/>	
Number of low water crossings	<input type="text" value="0"/>		Historical road closures	<input type="text" value="-99,999"/>	

100-Year Flood Risk Reduction

Population removed from 100-yr	<input type="text" value="-99,999"/>	# of structures removed from 100-yr	<input type="text" value="-99,999"/>
Critical facilities removed from 100-yr	<input type="text" value="-99,999"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-99,999"/>
Road removed from 100-yr (miles)	<input type="text" value="-99,999"/>	Low water crossings removed from 100-yr	<input type="text" value="-99,999"/>
Other benefits	<input type="text" value="None"/>	Reduction in # of road closures over 10 years	<input type="text" value="-99,999"/>

Impacts

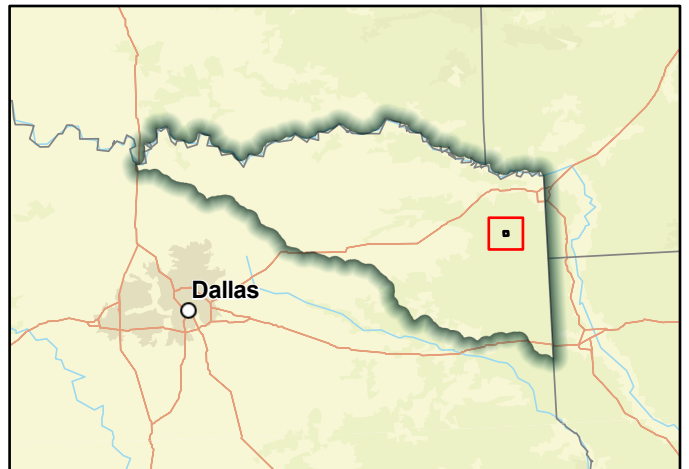
Negative impacts?	<input type="checkbox"/> No	Negative impacts description	<input type="text" value="No negative impact"/>
Water supply contributions?	<input type="checkbox"/> No	Water supply contribution description	<input type="text" value="-"/>

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? Yes Reason for Recommendation

Strategy Details

Strategy type	<input type="text" value="Regulatory and Guidance"/>		
Strategy description	<input type="text" value="Application to join NFIP or adoption of equivalent standards"/>		
Associated FME's	<input type="text" value="-"/>	Associated FMP's	<input type="text" value="-"/>
Associated FMS's	<input type="text" value="-"/>	Drainage area (mi ² , est.)	<input type="text" value="1"/>
Watershed HUC# (if known)	<input type="text" value="111403060202"/>	County	<input type="text" value="Cass"/>

Existing 100-Year Flood Risk

Population at risk	<input type="text" value="0"/>	# of structures	<input type="text" value="1"/>	Critical facilities	<input type="text" value="0"/>
Flood risk type:	Riverine? <input checked="" type="checkbox"/> Yes	Coastal? <input type="checkbox"/> No	Local? <input type="checkbox"/> No	Playa? <input type="checkbox"/> No	Other? <input type="checkbox"/> 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="-99,999"/>		

100-Year Flood Risk Reduction

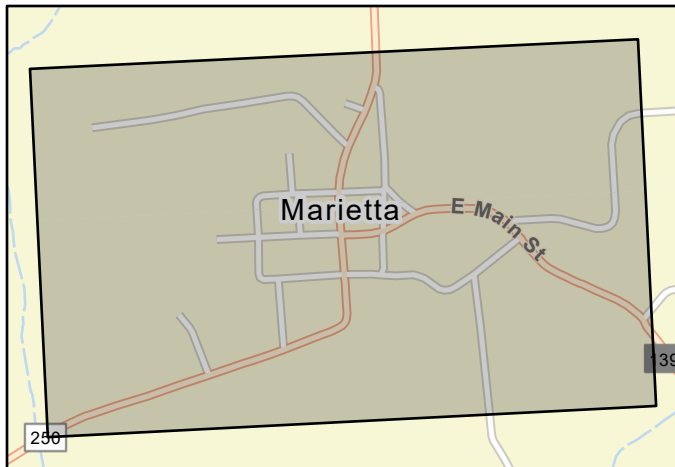
Population removed from 100-yr	<input type="text" value="-99,999"/>	# of structures removed from 100-yr	<input type="text" value="-99,999"/>
Critical facilities removed from 100-yr	<input type="text" value="-99,999"/>	Farm/Ranch land removed from 100-yr (acres)	<input type="text" value="-99,999"/>
Road removed from 100-yr (miles)	<input type="text" value="-99,999"/>	Low water crossings removed from 100-yr	<input type="text" value="-99,999"/>
Other benefits	<input type="text" value="None"/>	Reduction in # of road closures over 10 years	<input type="text" value="-99,999"/>

Impacts

Negative impacts?	<input type="checkbox"/> No	Negative impacts description	<input type="text" value="No negative impact"/>
Water supply contributions?	<input type="checkbox"/> 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)

LOWER RED-SULPHUR-CYPRESS
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 REGION 2

Title **City of Sadler Lift Station Flood-Proofing**

ID# **022000074** Sponsor **City of Sadler**

RFPG recommend? **Yes** Reason for Recommendation **Reduces Flood Risk**

Strategy Details

Strategy type **Property Acquisition and Structural Elevation**

Strategy description **Raise electrical panels and connections on lift stations above expected flood levels in flood-prone areas.**

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

Associated FMS's **-**

Watershed HUC# (if known) **111302100401** Drainage area (mi², est.) **1**

County **Grayson**

Existing 100-Year Flood Risk

Population at risk **2** # of structures **6** Critical facilities **0**

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

Farm/Ranch land impacted (acres) **3** Roadway(s) impacted (miles) **1**

Number of low water crossings **0** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **None** Reduction in # of road closures over 10 years **-99,999**

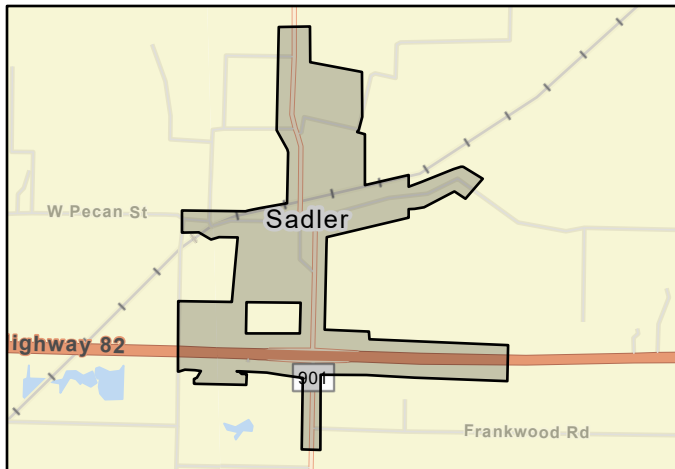
Impacts

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)

**LOWER RED-SULPHUR-CYPRESS
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REGION 2**

Title **City of Sherman Emergency Alerts**

ID# **022000052** Sponsor **City of Sherman**

RFPG recommend? **Yes** Reason for Recommendation **Reduces Flood Risk**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Maintain and Operate Early Alert System - an outdoor warning system composed of nine sirens throughout the City. Public announcements through the reverse telephonic system and through broadcasting local cable channels.**

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

Associated FMS's **-**

Watershed HUC# (if known) **120301060201,111302100402,111302100403,111401010106,1114010101** Drainage area (mi², est.) **46**

County **Grayson**

Existing 100-Year Flood Risk

Population at risk **7,004** # of structures **772** Critical facilities **5**

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

Farm/Ranch land impacted (acres) **381** Roadway(s) impacted (miles) **39**

Number of low water crossings **2** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **None** Reduction in # of road closures over 10 years **-99,999**

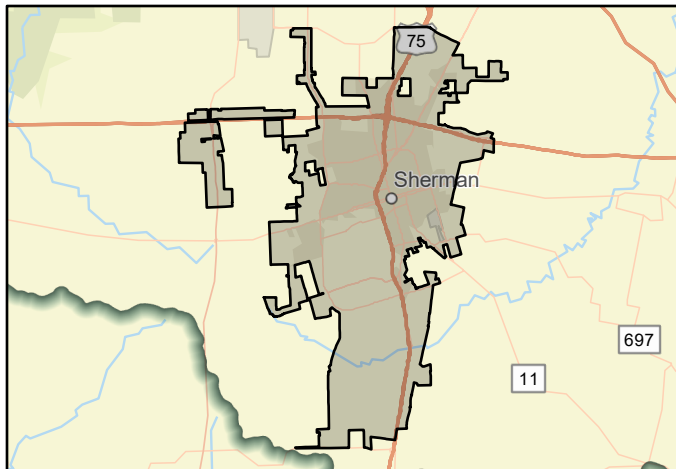
Impacts

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

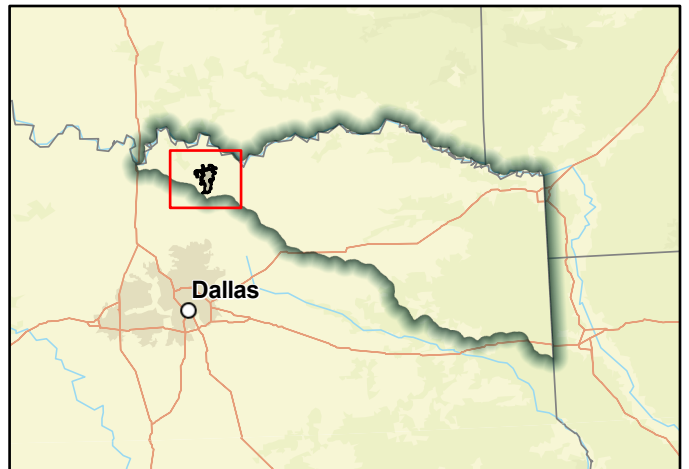
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

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



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

LOWER RED-SULPHUR-CYPRESS
**REGIONAL FLOOD
 PLANNING GROUP**
 REGION 2

Title **City of Sherman NFIP Involvement**

ID# **022000009** Sponsor **City of Sherman**

RFPG recommend? **Yes** Reason for Recommendation **Improves understanding of flood risk, reduces future risks, and makes flood insurance available**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards**

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

Associated FMS's **-**

Watershed HUC# (if known) **120301060201,111302100402,111302100403,111401010106,1114010101** Drainage area (mi², est.) **46**

County **Grayson**

Existing 100-Year Flood Risk

Population at risk **7,004** # of structures **772** Critical facilities **5**

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

Farm/Ranch land impacted (acres) **381** Roadway(s) impacted (miles) **39**

Number of low water crossings **2** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **None** Reduction in # of road closures over 10 years **-99,999**

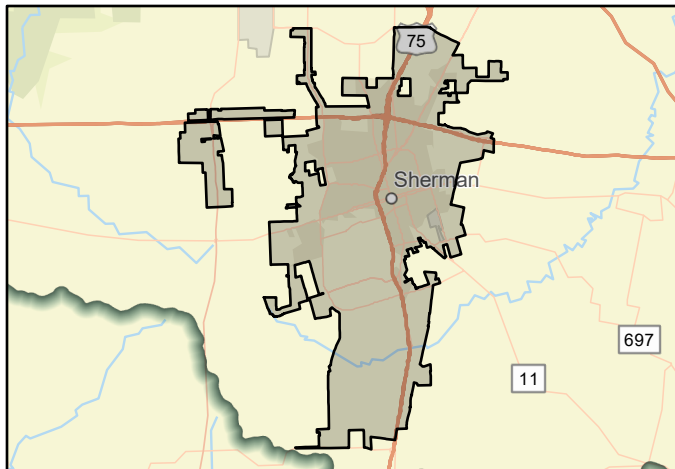
Impacts

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

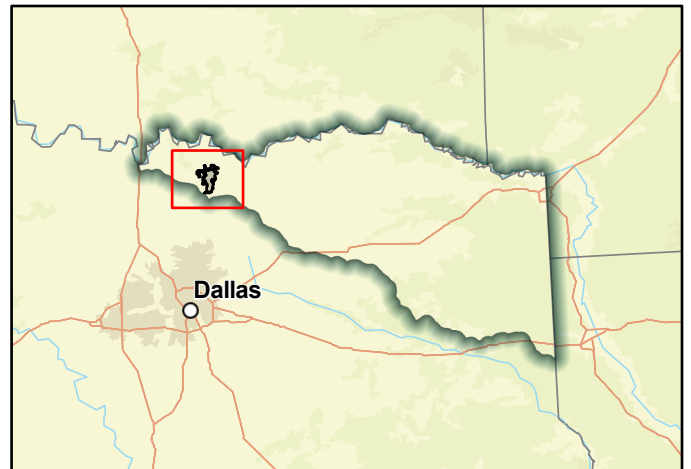
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

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



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

LOWER RED-SULPHUR-CYPRESS
**REGIONAL FLOOD
 PLANNING GROUP**
 REGION 2

Title

ID# Sponsor

RFPG recommend? Yes 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? Yes Coastal? No Local? No Playa? No Other? No
 Farm/Ranch land impacted (acres) Roadway(s) impacted (miles)
 Number of low water crossings Historical road closures

100-Year Flood Risk Reduction

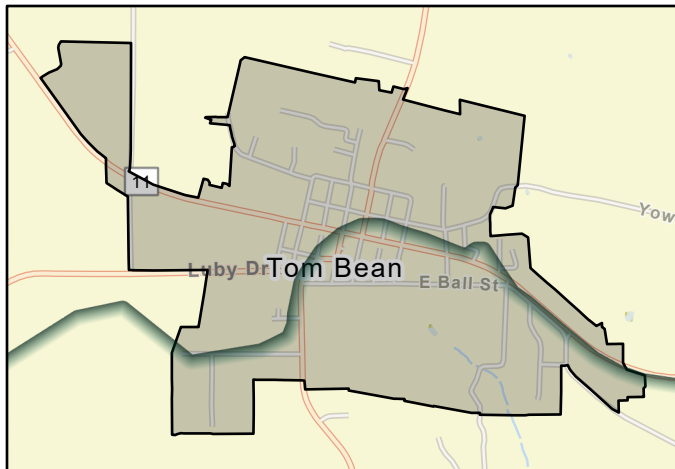
Population removed from 100-yr # of structures removed from 100-yr
 Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres)
 Road removed from 100-yr (miles) Low water crossings removed from 100-yr
 Other benefits Reduction in # of road closures over 10 years

Impacts

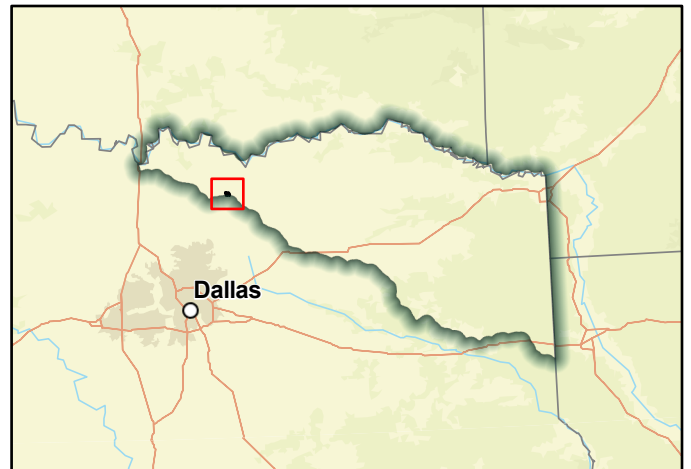
Negative impacts? No Negative impacts description
 Water supply contributions? No Water supply contribution description

Estimated Cost

Strategy Cost Amount of available funding % Nature-Based



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Yes 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? Yes Coastal? No Local? No Playa? No Other? No

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

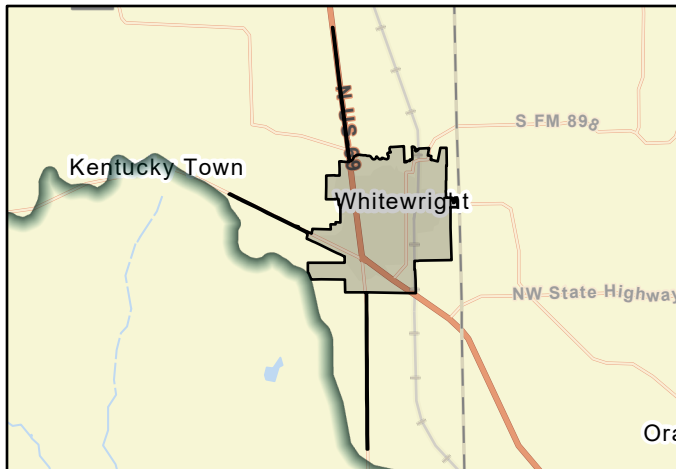
Impacts

Negative impacts? No Negative impacts description

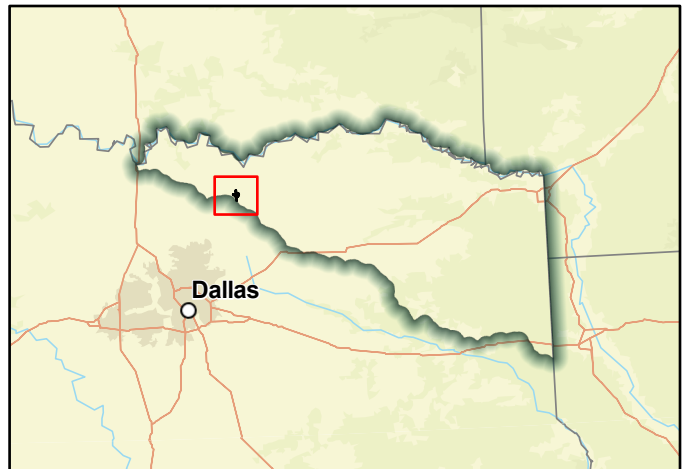
Water supply contributions? No Water supply contribution description

Estimated Cost

Strategy Cost Amount of available funding % Nature-Based



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title

ID# Sponsor

RFPG recommend? Yes 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? Yes Coastal? No Local? No Playa? No Other? No

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

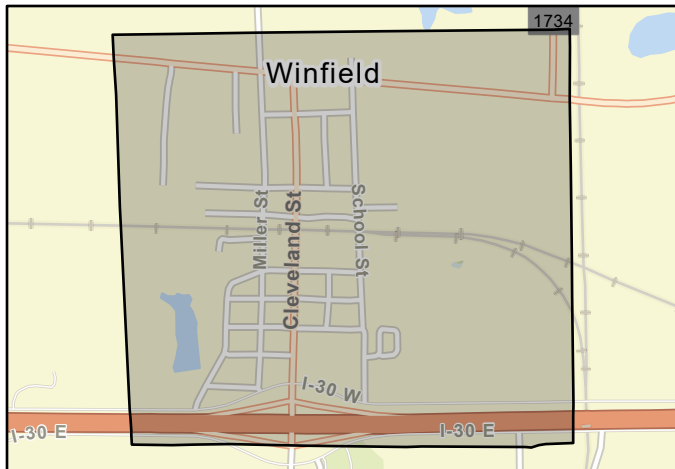
Impacts

Negative impacts? No Negative impacts description

Water supply contributions? No 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)

LOWER RED-SULPHUR-CYPRESS
**REGIONAL FLOOD
 PLANNING GROUP**
 REGION 2

Title **City of Wolfe NFIP Involvement**

ID# **022000011** Sponsor **City of Wolfe**

RFPG recommend? **Yes** Reason for Recommendation **Improves understanding of flood risk, reduces future risks, and makes flood insurance available**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Application to join NFIP or adoption of equivalent standards		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	1
Watershed HUC# (if known)	111403010103	County	Hunt

Existing 100-Year Flood Risk

Population at risk	16	# of structures	9	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)	0		
Number of low water crossings	0	Historical road closures	-99,999		

100-Year Flood Risk Reduction

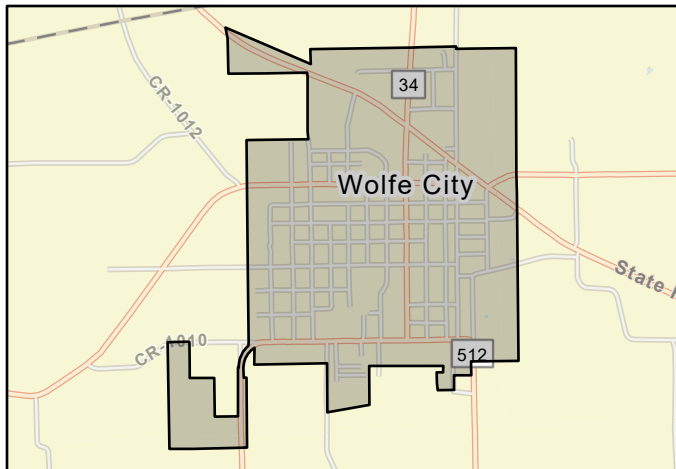
Population removed from 100-yr	-99,999	# of structures removed from 100-yr	-99,999
Critical facilities removed from 100-yr	-99,999	Farm/Ranch land removed from 100-yr (acres)	-99,999
Road removed from 100-yr (miles)	-99,999	Low water crossings removed from 100-yr	-99,999
Other benefits	None	Reduction in # of road closures over 10 years	-99,999

Impacts

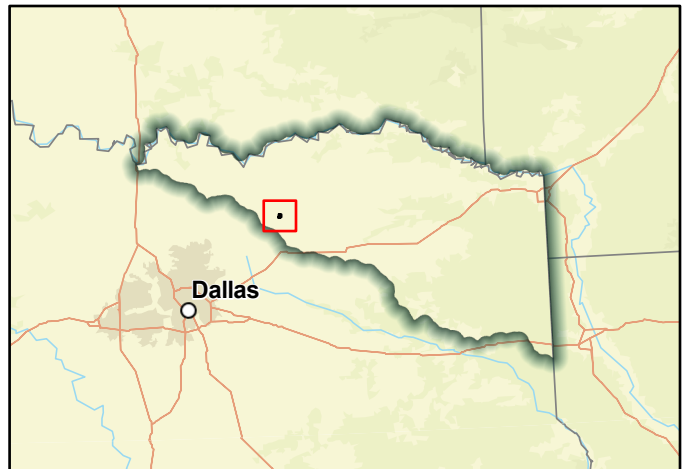
Negative impacts?	No	Negative impacts description	No negative impact
Water supply contributions?	No	Water supply contribution description	-

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)

**LOWER RED-SULPHUR-CYPRESS
REGIONAL FLOOD
PLANNING GROUP
REGION 2**

Title **Creation of Region Wide Stormwater Management Manual**

ID# **022000083** Sponsor **Ark - Tex Council of Governments**

RFPG recommend? **Yes** Reason for Recommendation **Reduces Flood Risk**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Creation of stormwater management manual and assistance to Region 2 communities for adoption.**

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

Associated FMS's **-**

Watershed HUC# (if known) **-** Drainage area (mi², est.) **9,160**

County **Bowie, Camp, Cass,**

Existing 100-Year Flood Risk

Population at risk **51,360** # of structures **13,438** Critical facilities **159**

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

Farm/Ranch land impacted (acres) **180,986** Roadway(s) impacted (miles) **1,924**

Number of low water crossings **116** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **Environmental benefits** Reduction in # of road closures over 10 years **-99,999**

Impacts

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

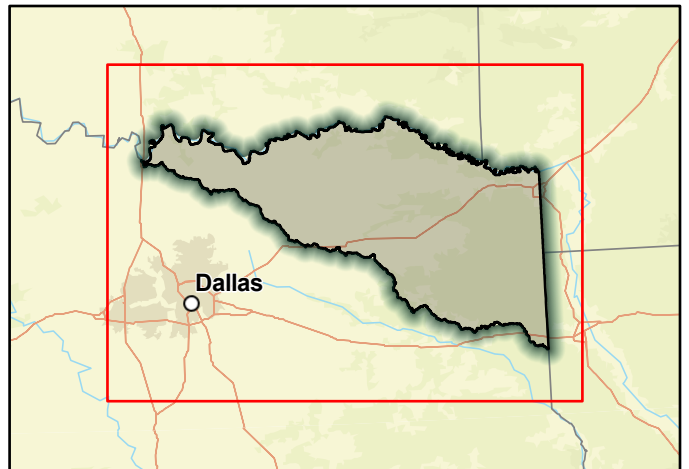
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$500,000** Amount of available funding **\$-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Delta County NFIP Involvement**

ID# **022000016** Sponsor **Delta County**

RFPG recommend? **Yes** Reason for Recommendation **Improves understanding of flood risk, reduces future risks, and makes flood insurance available**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Application to join NFIP or adoption of equivalent standards		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	277
Watershed HUC# (if known)	111403010106,111403010206,111403010407,111403010204,1114030104		County
			Delta

Existing 100-Year Flood Risk

Population at risk	85	# of structures	121	Critical facilities	2
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	14,658	Roadway(s) impacted (miles)	42		
Number of low water crossings	8	Historical road closures	-99,999		

100-Year Flood Risk Reduction

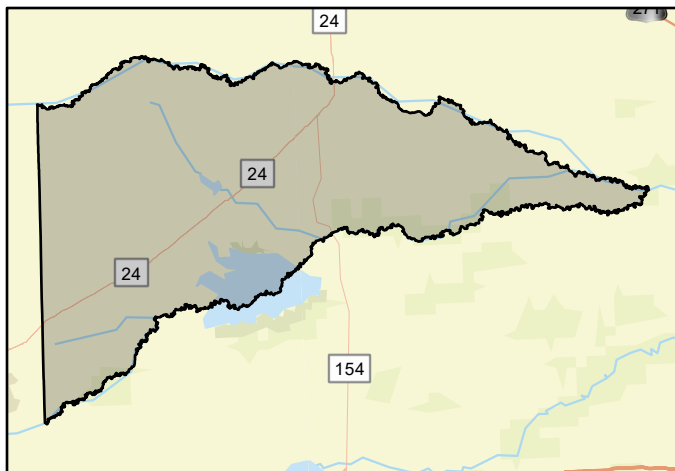
Population removed from 100-yr	-99,999	# of structures removed from 100-yr	-99,999
Critical facilities removed from 100-yr	-99,999	Farm/Ranch land removed from 100-yr (acres)	-99,999
Road removed from 100-yr (miles)	-99,999	Low water crossings removed from 100-yr	-99,999
Other benefits	None	Reduction in # of road closures over 10 years	-99,999

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)

LOWER RED-SULPHUR-CYPRESS
**REGIONAL FLOOD
 PLANNING GROUP**
 REGION 2

Title **Fannin County Floodplain Manager**

ID# **022000073** Sponsor **Fannin County**

RFPG recommend? **Yes** Reason for Recommendation **Reduces Flood Risk**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Apply for assistance in establishing a Certified Countywide Floodplain Manager position. Funding for the continuation of the position would be from permit fees and local budgets. The focus of this role would be to mitigate flooding and protect the flood**

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

Associated FMS's **-**

Watershed HUC# (if known) **-** Drainage area (mi², est.) **897**

County **Fannin**

Existing 100-Year Flood Risk

Population at risk **3,040** # of structures **1,077** Critical facilities **18**

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

Farm/Ranch land impacted (acres) **37,510** Roadway(s) impacted (miles) **170**

Number of low water crossings **26** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **None** Reduction in # of road closures over 10 years **-99,999**

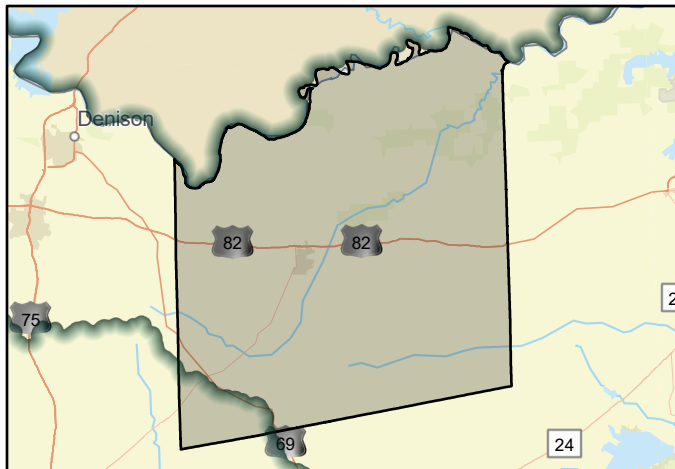
Impacts

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

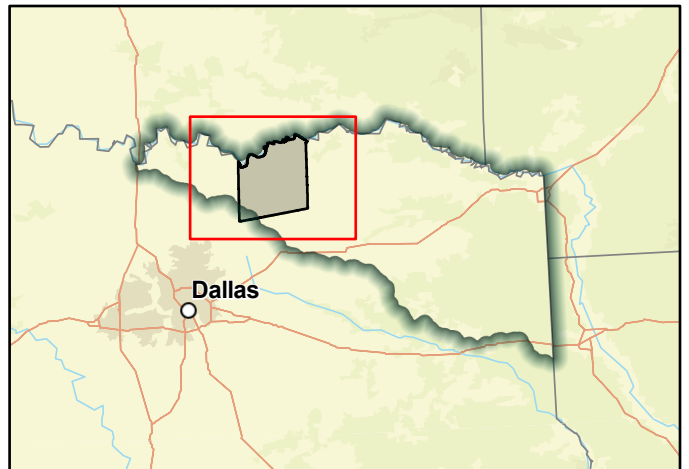
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$75,000** Amount of available funding **\$-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Fannin County NFIP Involvement**

ID# **022000017** Sponsor **Fannin County**

RFPG recommend? **Yes** Reason for Recommendation **Improves understanding of flood risk, reduces future risks, and makes flood insurance available**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards**

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

Associated FMS's **-**

Watershed HUC# (if known) **-** Drainage area (mi², est.) **897**

County **Fannin**

Existing 100-Year Flood Risk

Population at risk **3,040** # of structures **1,077** Critical facilities **18**

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

Farm/Ranch land impacted (acres) **37,510** Roadway(s) impacted (miles) **170**

Number of low water crossings **26** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **None** Reduction in # of road closures over 10 years **-99,999**

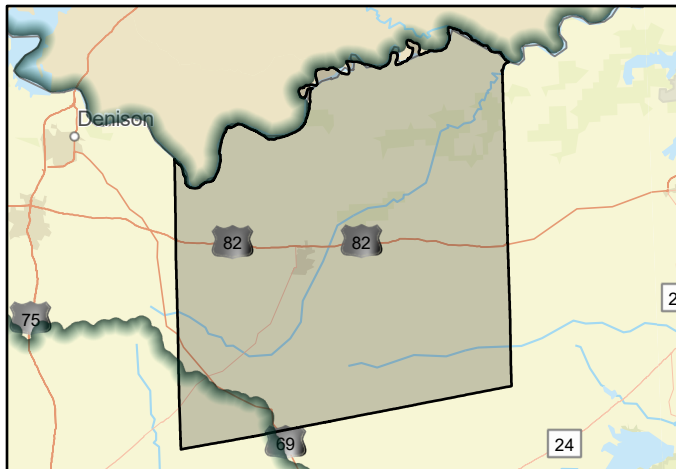
Impacts

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

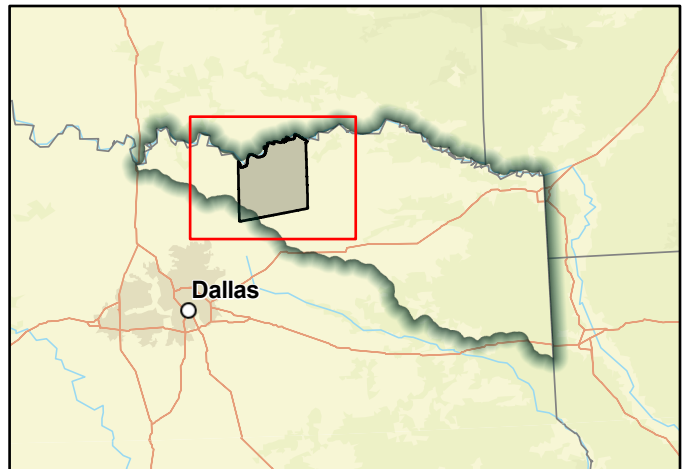
Water supply contributions? **No** Water supply contribution description **-**

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 Safety Awareness Education**

ID# **022000081** Sponsor **City of Denison**

RFPG recommend? **Yes** Reason for Recommendation **Reduces Flood Risk**

Strategy Details

Strategy type **Education and Outreach**

Strategy description **Educate the public on flood safety**

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

Associated FMS's **-**

Watershed HUC# (if known) **111302100402, 111302100504, 111302100505, 111401010106, 111401010104, 111401010201, 111401010202** Drainage area (mi², est.) **30**

County **Grayson**

Existing 100-Year Flood Risk

Population at risk **3,266** # of structures **355** Critical facilities **2**

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

Farm/Ranch land impacted (acres) **107** Roadway(s) impacted (miles) **29**

Number of low water crossings **2** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **None** Reduction in # of road closures over 10 years **-99,999**

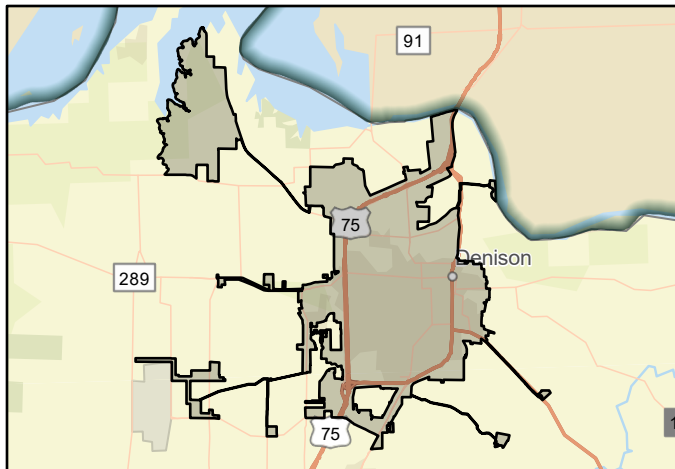
Impacts

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

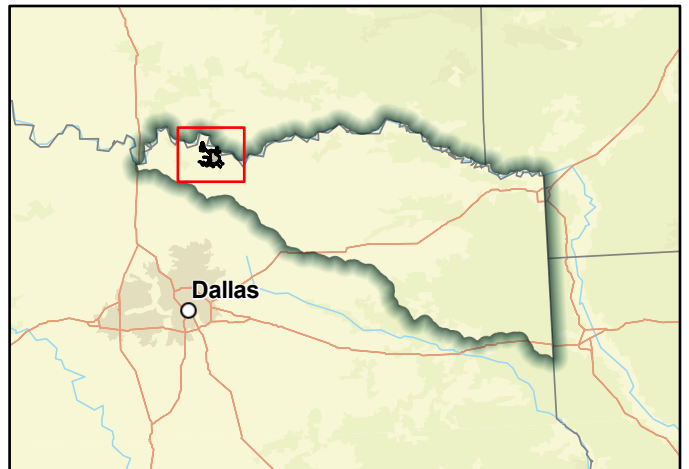
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

Strategy Cost **\$50,000** Amount of available funding **\$-** % Nature-Based **0**



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title Franklin County NFIP Involvement

ID# 022000018 Sponsor Franklin County

RFPG recommend? Yes Reason for Recommendation Improves understanding of flood risk, reduces future risks, and makes flood insurance available

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Application to join NFIP or adoption of equivalent standards		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	294
Watershed HUC# (if known)		County	Franklin

Existing 100-Year Flood Risk

Population at risk	2,507	# of structures	455	Critical facilities	1
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	1,573	Roadway(s) impacted (miles)	39		
Number of low water crossings	5	Historical road closures	-99,999		

100-Year Flood Risk Reduction

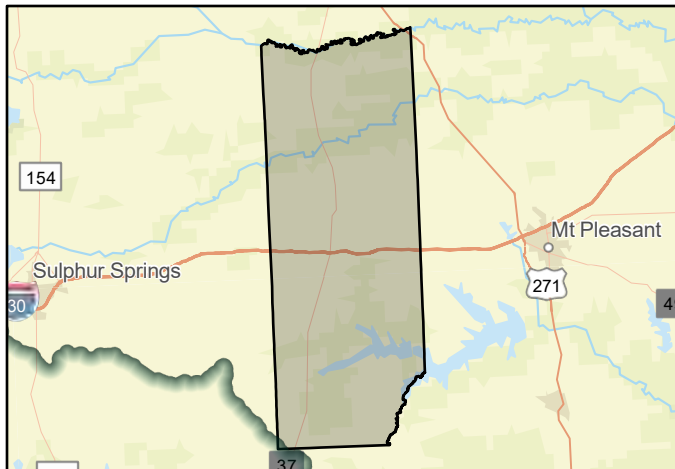
Population removed from 100-yr	-99,999	# of structures removed from 100-yr	-99,999
Critical facilities removed from 100-yr	-99,999	Farm/Ranch land removed from 100-yr (acres)	-99,999
Road removed from 100-yr (miles)	-99,999	Low water crossings removed from 100-yr	-99,999
Other benefits	None	Reduction in # of road closures over 10 years	-99,999

Impacts

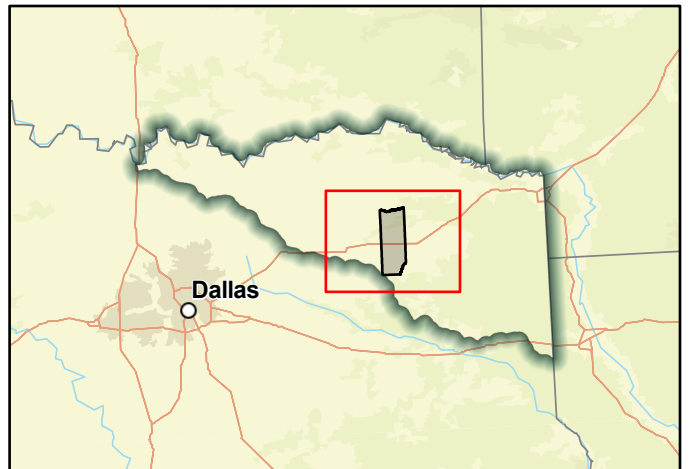
Negative impacts?	No	Negative impacts description	No negative impact
Water supply contributions?	No	Water supply contribution description	-

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

ID# Sponsor

RFPG recommend? Yes 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? Yes Coastal? No Local? No Playa? No Other? No

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

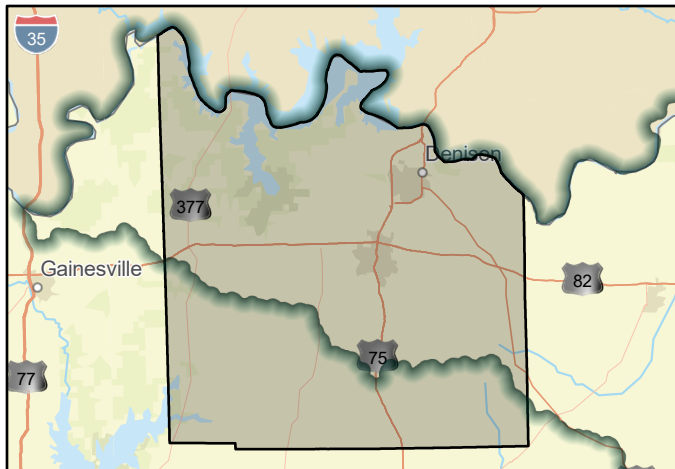
Impacts

Negative impacts? No Negative impacts description

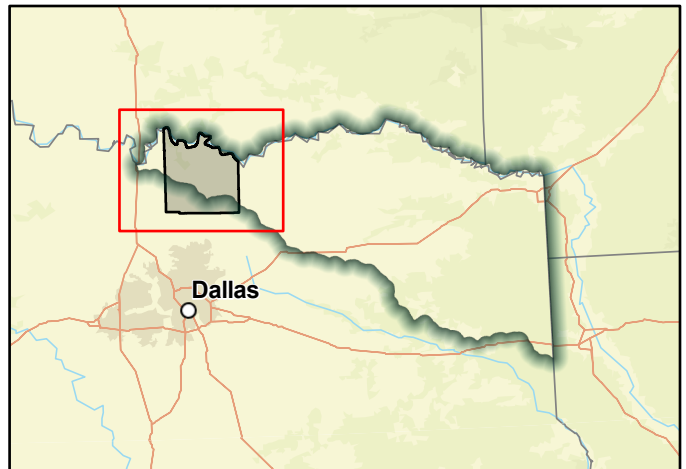
Water supply contributions? No Water supply contribution description

Estimated Cost

Strategy Cost Amount of available funding % Nature-Based



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

LOWER RED-SULPHUR-CYPRESS
**REGIONAL FLOOD
 PLANNING GROUP**
 REGION 2

Title **Grayson County NFIP Involvement**

ID# **022000019** Sponsor **Grayson County**

RFPG recommend? **Yes** Reason for Recommendation **Improves understanding of flood risk, reduces future risks, and makes flood insurance available**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards**

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

Associated FMS's **-**

Watershed HUC# (if known) **-** Drainage area (mi², est.) **977**

County **Grayson**

Existing 100-Year Flood Risk

Population at risk **12,470** # of structures **2,569** Critical facilities **23**

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

Farm/Ranch land impacted (acres) **10,335** Roadway(s) impacted (miles) **181**

Number of low water crossings **8** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **None** Reduction in # of road closures over 10 years **-99,999**

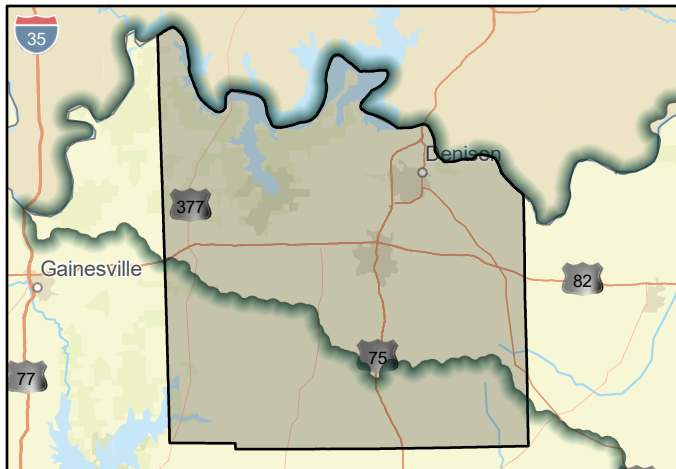
Impacts

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

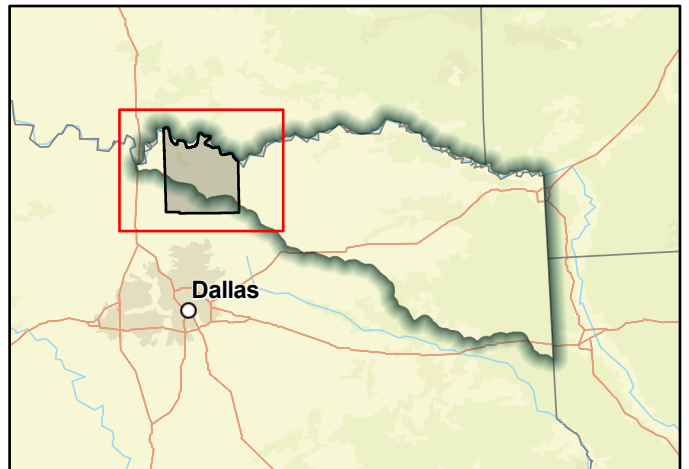
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

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



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

LOWER RED-SULPHUR-CYPRESS
**REGIONAL FLOOD
 PLANNING GROUP**
 REGION 2

Title Harrison County NFIP Involvement

ID# 022000021 Sponsor Harrison County

RFPG recommend? Yes Reason for Recommendation Improves understanding of flood risk, reduces future risks, and makes flood insurance available

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Application to join NFIP or adoption of equivalent standards		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	912
Watershed HUC# (if known)		County	Harrison

Existing 100-Year Flood Risk

Population at risk	2,056	# of structures	898	Critical facilities	6
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	255	Roadway(s) impacted (miles)	97		
Number of low water crossings	5	Historical road closures	-99,999		

100-Year Flood Risk Reduction

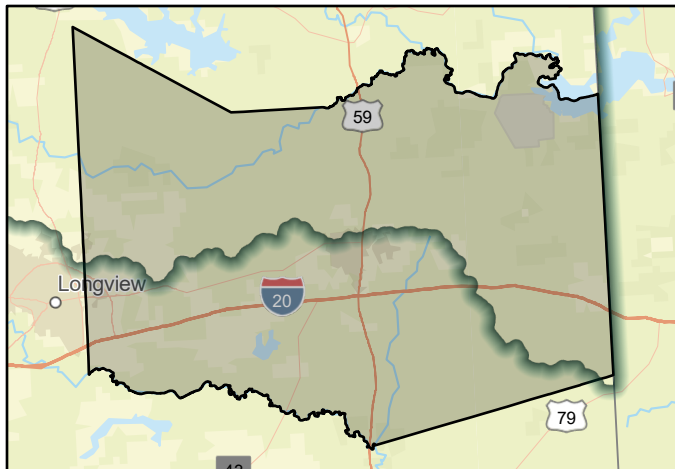
Population removed from 100-yr	-99,999	# of structures removed from 100-yr	-99,999
Critical facilities removed from 100-yr	-99,999	Farm/Ranch land removed from 100-yr (acres)	-99,999
Road removed from 100-yr (miles)	-99,999	Low water crossings removed from 100-yr	-99,999
Other benefits	None	Reduction in # of road closures over 10 years	-99,999

Impacts

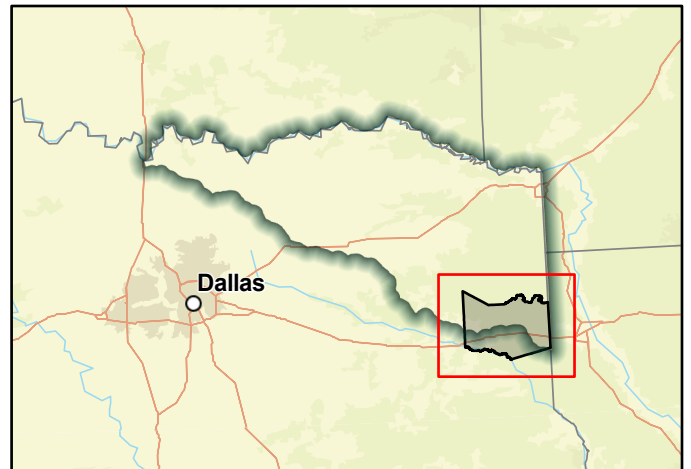
Negative impacts?	No	Negative impacts description	No negative impact
Water supply contributions?	No	Water supply contribution description	-

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 **Hopkins County NFIP Involvement**

ID# **022000022** Sponsor **Hopkins County**

RFPG recommend? **Yes** Reason for Recommendation **Improves understanding of flood risk, reduces future risks, and makes flood insurance available**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards**

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

Associated FMS's **-**

Watershed HUC# (if known) **-** Drainage area (mi², est.) **791**

County **Hopkins**

Existing 100-Year Flood Risk

Population at risk **5,081** # of structures **702** Critical facilities **5**

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

Farm/Ranch land impacted (acres) **8,635** Roadway(s) impacted (miles) **148**

Number of low water crossings **3** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **None** Reduction in # of road closures over 10 years **-99,999**

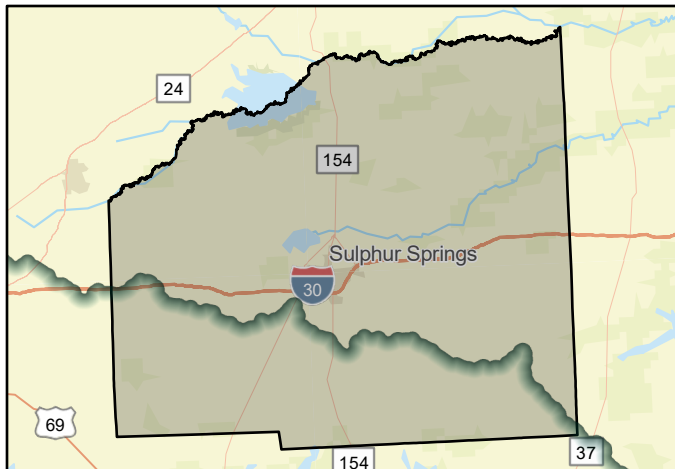
Impacts

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

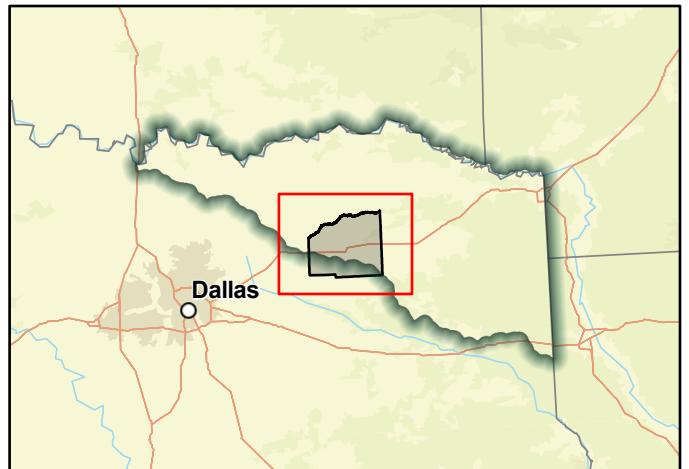
Water supply contributions? **No** Water supply contribution description **-**

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 **Lamar County NFIP Involvement**

ID# **022000024** Sponsor **Lamar County**

RFPG recommend? **Yes** Reason for Recommendation **Improves understanding of flood risk, reduces future risks, and makes flood insurance available**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Application to join NFIP or adoption of equivalent standards		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	932
Watershed HUC# (if known)		County	Lamar

Existing 100-Year Flood Risk

Population at risk	5,441	# of structures	1,644	Critical facilities	33
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	42,831	Roadway(s) impacted (miles)	222		
Number of low water crossings	15	Historical road closures	-99,999		

100-Year Flood Risk Reduction

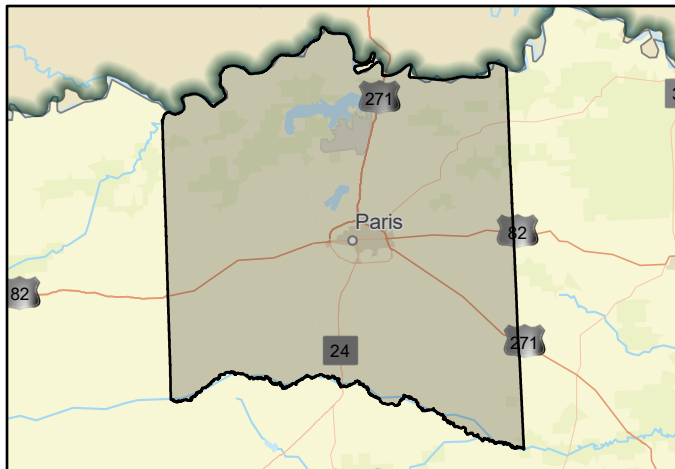
Population removed from 100-yr	-99,999	# of structures removed from 100-yr	-99,999
Critical facilities removed from 100-yr	-99,999	Farm/Ranch land removed from 100-yr (acres)	-99,999
Road removed from 100-yr (miles)	-99,999	Low water crossings removed from 100-yr	-99,999
Other benefits	None	Reduction in # of road closures over 10 years	-99,999

Impacts

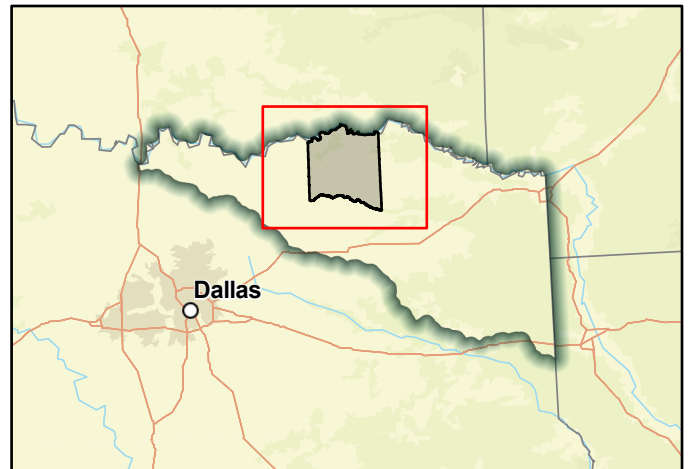
Negative impacts?	No	Negative impacts description	No negative impact
Water supply contributions?	No	Water supply contribution description	-

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 **Marion County NFIP Involvement**

ID# **022000025** Sponsor **Marion County**

RFPG recommend? **Yes** Reason for Recommendation **Improves understanding of flood risk, reduces future risks, and makes flood insurance available**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Application to join NFIP or adoption of equivalent standards		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	419
Watershed HUC# (if known)		County	Marion

Existing 100-Year Flood Risk

Population at risk	452	# of structures	313	Critical facilities	4
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	137	Roadway(s) impacted (miles)	48		
Number of low water crossings	1	Historical road closures	-99,999		

100-Year Flood Risk Reduction

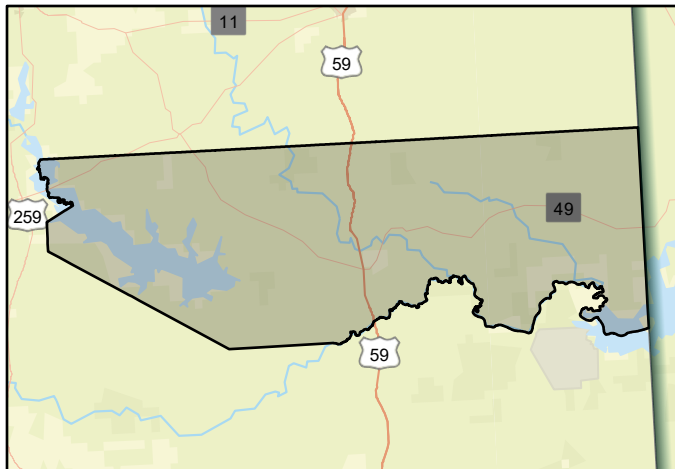
Population removed from 100-yr	-99,999	# of structures removed from 100-yr	-99,999
Critical facilities removed from 100-yr	-99,999	Farm/Ranch land removed from 100-yr (acres)	-99,999
Road removed from 100-yr (miles)	-99,999	Low water crossings removed from 100-yr	-99,999
Other benefits	None	Reduction in # of road closures over 10 years	-99,999

Impacts

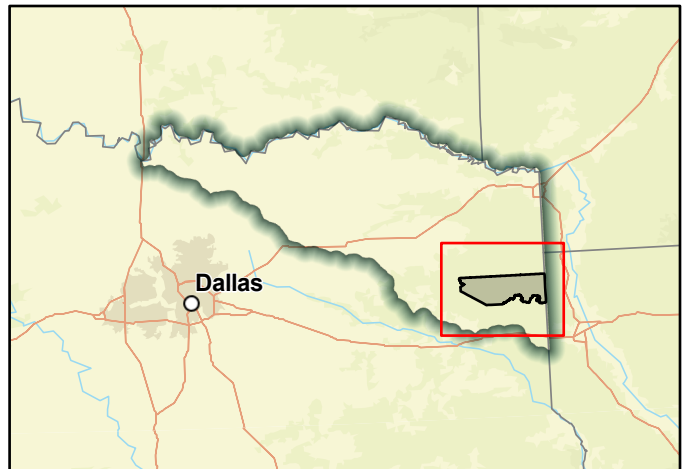
Negative impacts?	No	Negative impacts description	No negative impact
Water supply contributions?	No	Water supply contribution description	-

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 **Morris County NFIP Involvement**

ID# **022000026** Sponsor **Morris County**

RFPG recommend? **Yes** Reason for Recommendation **Improves understanding of flood risk, reduces future risks, and makes flood insurance available**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **Application to join NFIP or adoption of equivalent standards**

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

Associated FMS's **-**

Watershed HUC# (if known) **111403030207,111403030208,111403050310,111403050305,1114030503** Drainage area (mi², est.) **257**

County **Morris**

Existing 100-Year Flood Risk

Population at risk **419** # of structures **234** Critical facilities **6**

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

Farm/Ranch land impacted (acres) **395** Roadway(s) impacted (miles) **38**

Number of low water crossings **2** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **None** Reduction in # of road closures over 10 years **-99,999**

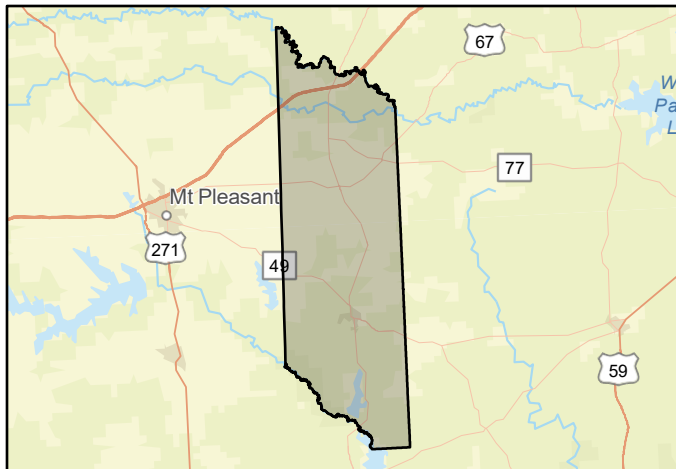
Impacts

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

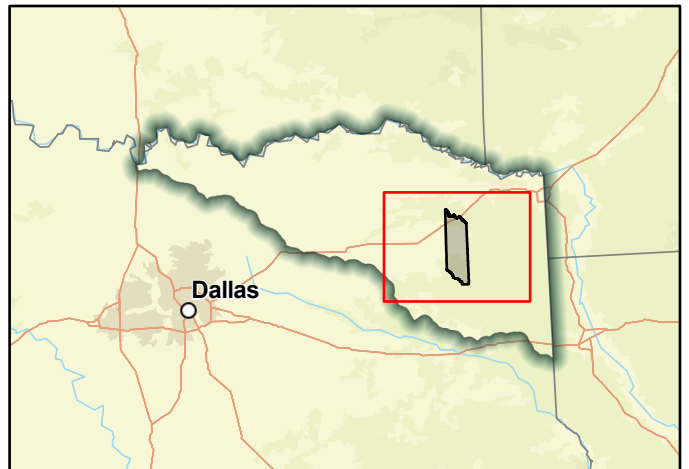
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

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



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)

**LOWER RED-SULPHUR-CYPRESS
REGIONAL FLOOD
PLANNING GROUP
REGION 2**

Title **Public NFIP Education**

ID# **022000082** Sponsor **Ark - Tex Council of Governments**

RFPG recommend? **Yes** Reason for Recommendation **Reduces Flood Risk**

Strategy Details

Strategy type **Education and Outreach**

Strategy description **Educate the public on the NFIP program and the importance of purchasing flood insurance**

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

Associated FMS's **-**

Watershed HUC# (if known) **-** Drainage area (mi², est.) **9,160**

County **Bowie, Camp, Cass,**

Existing 100-Year Flood Risk

Population at risk **51,360** # of structures **13,438** Critical facilities **159**

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

Farm/Ranch land impacted (acres) **180,986** Roadway(s) impacted (miles) **1,924**

Number of low water crossings **116** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **None** Reduction in # of road closures over 10 years **-99,999**

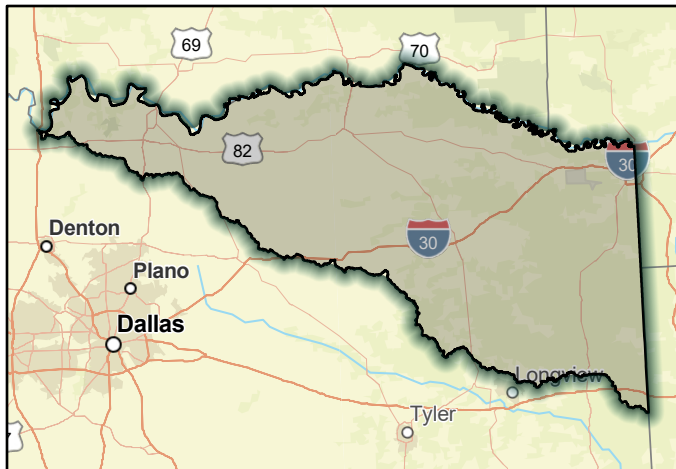
Impacts

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

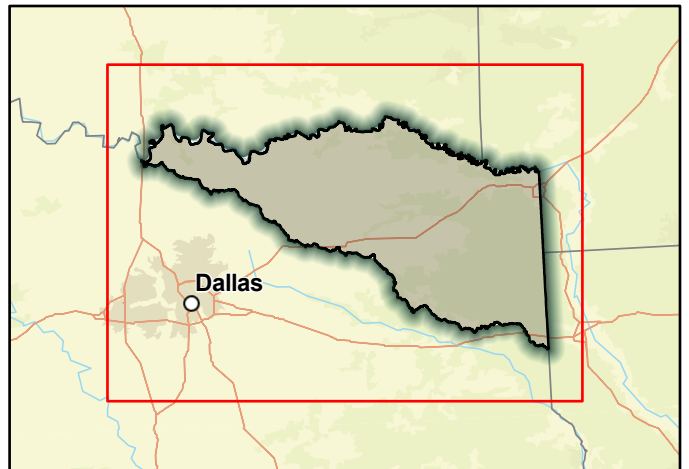
Water supply contributions? **No** Water supply contribution description **-**

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 **Red River County NFIP Involvement**

ID# **022000027** Sponsor **Red River County**

RFPG recommend? **Yes** Reason for Recommendation **Improves understanding of flood risk, reduces future risks, and makes flood insurance available**

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Application to join NFIP or adoption of equivalent standards		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	1,055
Watershed HUC# (if known)		County	Red River

Existing 100-Year Flood Risk

Population at risk	374	# of structures	391	Critical facilities	5
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	24,045	Roadway(s) impacted (miles)	157		
Number of low water crossings	16	Historical road closures	-99,999		

100-Year Flood Risk Reduction

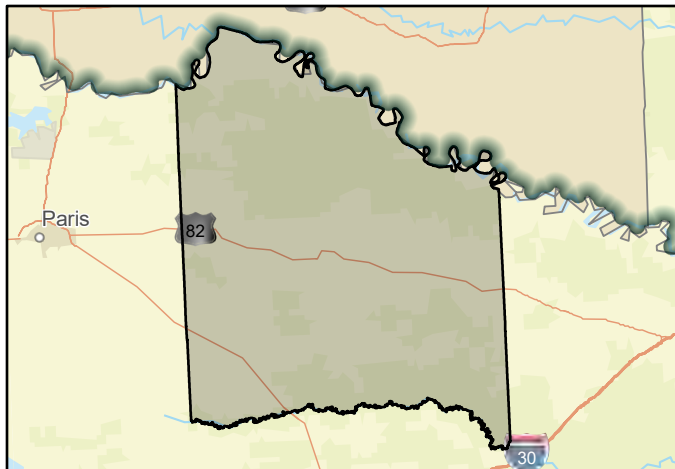
Population removed from 100-yr	-99,999	# of structures removed from 100-yr	-99,999
Critical facilities removed from 100-yr	-99,999	Farm/Ranch land removed from 100-yr (acres)	-99,999
Road removed from 100-yr (miles)	-99,999	Low water crossings removed from 100-yr	-99,999
Other benefits	None	Reduction in # of road closures over 10 years	-99,999

Impacts

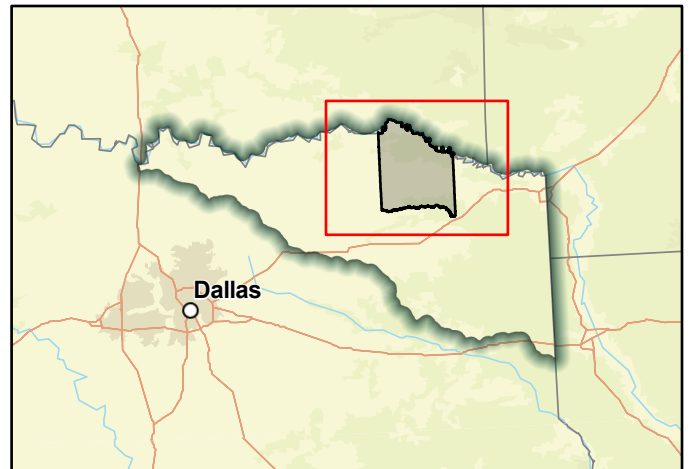
Negative impacts?	No	Negative impacts description	No negative impact
Water supply contributions?	No	Water supply contribution description	-

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)

LOWER RED-SULPHUR-CYPRESS
**REGIONAL FLOOD
 PLANNING GROUP**
 REGION 2

Title **Regional Flood Warning System Study**

ID# **022000084** Sponsor **Ark - Tex Council of Governments**

RFPG recommend? **Yes** Reason for Recommendation **Reduces Flood Risk**

Strategy Details

Strategy type **Flood Measurement and Warning**

Strategy description **Evaluate the potential for future flood warning systems in the region**

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

Associated FMS's **-**

Watershed HUC# (if known) **-** Drainage area (mi², est.) **9,160**

County **Bowie, Camp, Cass,**

Existing 100-Year Flood Risk

Population at risk **51,360** # of structures **13,438** Critical facilities **159**

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

Farm/Ranch land impacted (acres) **180,986** Roadway(s) impacted (miles) **1,924**

Number of low water crossings **116** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **None** Reduction in # of road closures over 10 years **-99,999**

Impacts

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

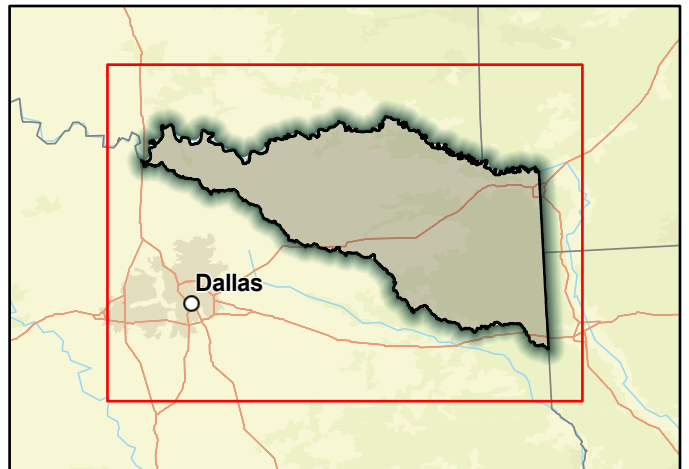
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

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



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title Titus County NFIP Involvement

ID# 022000028 Sponsor Titus County

RFPG recommend? Yes Reason for Recommendation Improves understanding of flood risk, reduces future risks, and makes flood insurance available

Strategy Details

Strategy type	Regulatory and Guidance		
Strategy description	Application to join NFIP or adoption of equivalent standards		
Associated FME's	-	Associated FMP's	-
Associated FMS's	-	Drainage area (mi ² , est.)	425
Watershed HUC# (if known)		County	Titus

Existing 100-Year Flood Risk

Population at risk	2,890	# of structures	596	Critical facilities	8
Flood risk type:	Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Farm/Ranch land impacted (acres)	1,570	Roadway(s) impacted (miles)	87		
Number of low water crossings	9	Historical road closures	-99,999		

100-Year Flood Risk Reduction

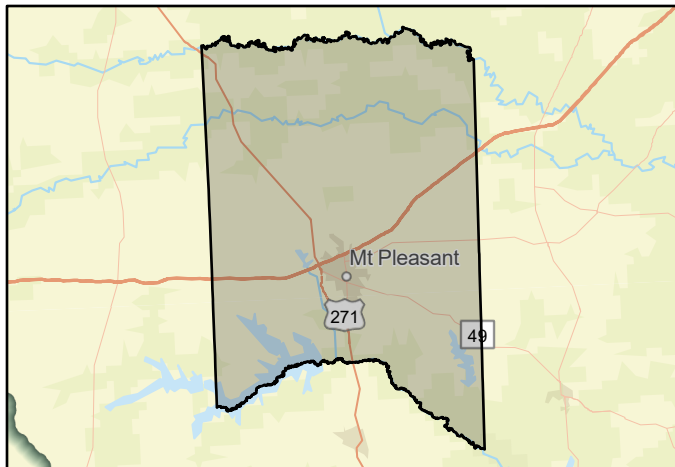
Population removed from 100-yr	-99,999	# of structures removed from 100-yr	-99,999
Critical facilities removed from 100-yr	-99,999	Farm/Ranch land removed from 100-yr (acres)	-99,999
Road removed from 100-yr (miles)	-99,999	Low water crossings removed from 100-yr	-99,999
Other benefits	None	Reduction in # of road closures over 10 years	-99,999

Impacts

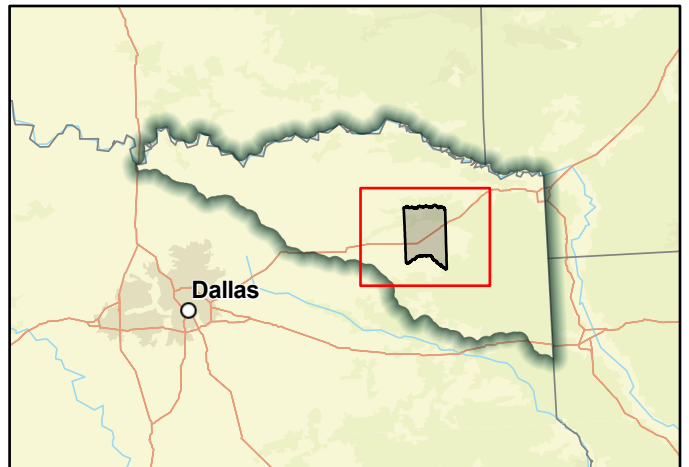
Negative impacts?	No	Negative impacts description	No negative impact
Water supply contributions?	No	Water supply contribution description	-

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)

**LOWER RED-SULPHUR-CYPRESS
REGIONAL FLOOD
PLANNING GROUP
REGION 2**

Title

ID# Sponsor

RFPG recommend? Yes 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? Yes Coastal? No Local? No Playa? No Other? No

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? No Negative impacts description

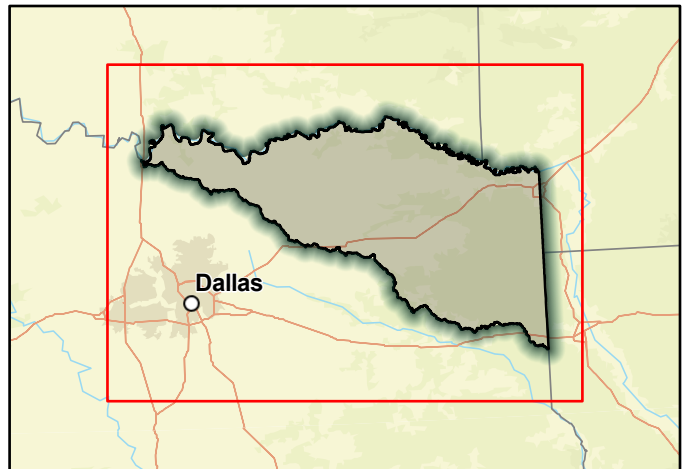
Water supply contributions? No Water supply contribution description

Estimated Cost

Strategy Cost Amount of available funding % Nature-Based



FMS area



Regional view of FMS area

Flood Management Strategy (FMS)



Title **Upshur County NFIP**

ID# **022000079** Sponsor **Upshur County**

RFPG recommend? **Yes** Reason for Recommendation **Reduces Flood Risk**

Strategy Details

Strategy type **Regulatory and Guidance**

Strategy description **The County Hazard Mitigation Officer will assist those cities within the county that are not participating in NFIP to take appropriate actions to qualify for and maintain participation in NFIP to have 100% participation within the county**

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

Associated FMS's **-**

Watershed HUC# (if known) **-** Drainage area (mi², est.) **590**

County **Upshur**

Existing 100-Year Flood Risk

Population at risk **2,262** # of structures **425** Critical facilities **10**

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

Farm/Ranch land impacted (acres) **612** Roadway(s) impacted (miles) **91**

Number of low water crossings **3** Historical road closures **-99,999**

100-Year Flood Risk Reduction

Population removed from 100-yr **-99,999** # of structures removed from 100-yr **-99,999**

Critical facilities removed from 100-yr **-99,999** Farm/Ranch land removed from 100-yr (acres) **-99,999**

Road removed from 100-yr (miles) **-99,999** Low water crossings removed from 100-yr **-99,999**

Other benefits **None** Reduction in # of road closures over 10 years **-99,999**

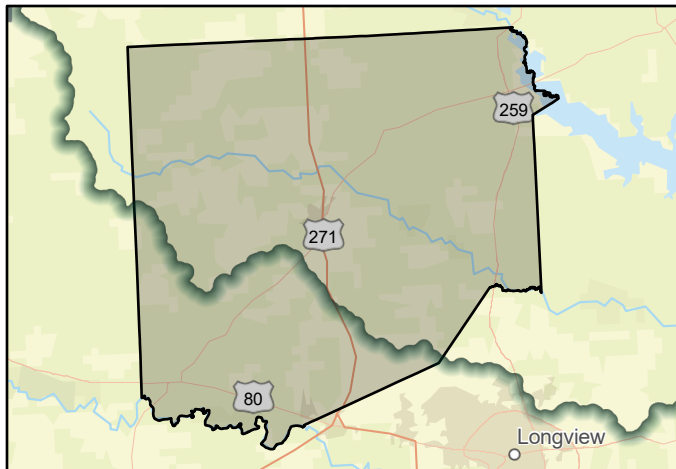
Impacts

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

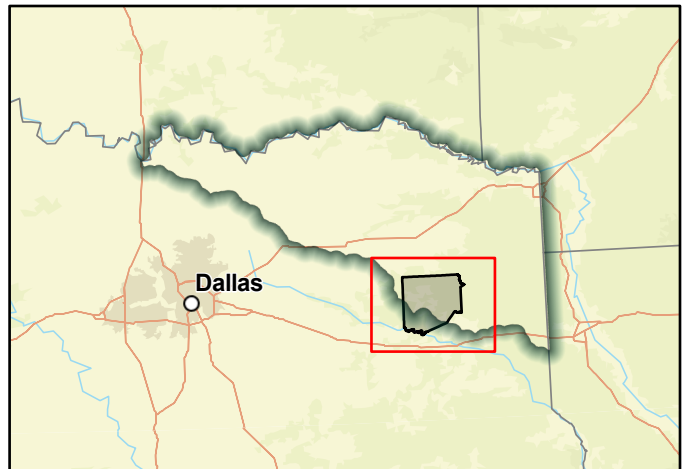
Water supply contributions? **No** Water supply contribution description **-**

Estimated Cost

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



FMS area



Regional view of FMS area