

LEGEND

NWS Historical Data

- ▲ Fatality Location
- ▲ Injury Location
- ▲ Property Loss Location
- Flood Prone Areas
- Public Comments

Background Data

- Low Water Crossings (TWDB)
- Major Rivers
- Minor Roads
- Major Highways

Existing Flood Hazard

- 100 year
- 500 year
- Flood Prone

Other Legend Items:

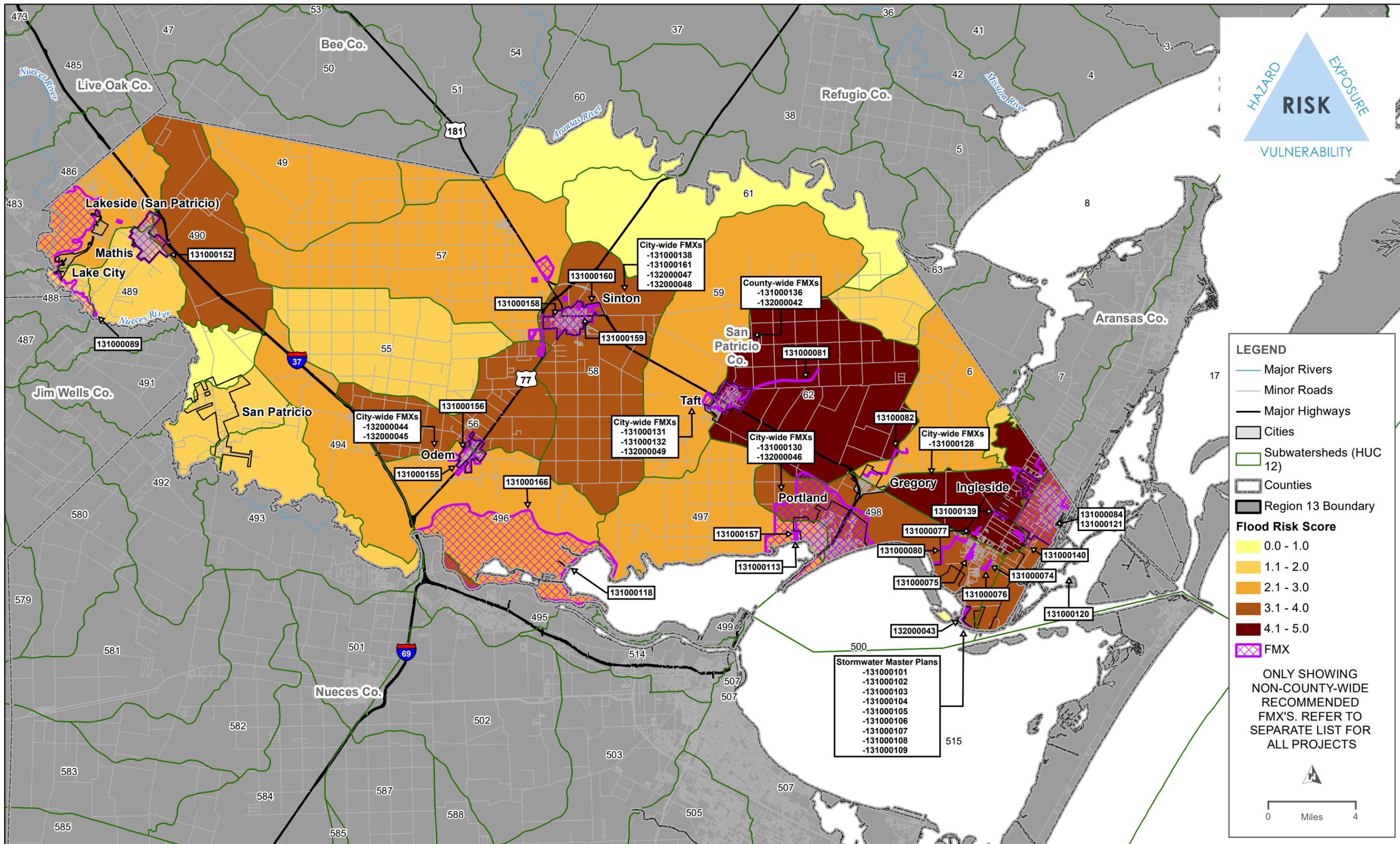
- Conservation Easements*
- Cities
- Counties
- Region 13 Boundary

*SOURCE OF CONSERVATION EASEMENTS: TNC, TALT, NRCS, NCED, HILL COUNTRY ALLIANCE, EDWARDS AQUIFER PROTECTION PROGRAM AND OTHERS

REGION 13 - EXISTING FLOOD HAZARD - SAN PATRICIO COUNTY

DRAFT





REGION 13 - HIGHEST FLOOD RISK WITH RECOMMENDED FMX'S - SAN PATRICIO COUNTY

DRAFT



Recommended List of Flood Mitigation project (FMP)s, Flood management Evaluation (FME)s and Flood Management Strategy (FMS)s for San Patricio County

Type (FMP/FME/FMS) ¹	ID	Name	Description	Cost	Sponsor	Goals	RFIG Goals ID
FME	131000128	Citywide Stormwater Drainage Improvements	Improving TXDOT road drainage ditches & railroad undercrossings conveyance; armor ditch crossing US-181 and I-35 (South of city); city ditch restoration; expand stormwater network to unserved residential areas; maintenance of curbs, gutters, and inlets		Gregory	13000014	5A
FME	131000155	Citywide Stormwater Drainage Improvements	Drainage issues at railroad undercrossings caused by neighborhood development.		City of Odem	13000014	5A
FME	131000156	Expanding Drainage System to Odem HS Area	Expanding and improving drainage network to Odem HS area and constructioning a detention basin		City of Odem	13000014	5A
FME	131000157	Improvements to Doyle Drainage Basin	Improvement to outfall into Nueces bay; increase conveyance capacity of ditches.		City of Portland	13000014	5A
FME	131000158	Channel Outfall Drainage Improvement Project	Improve outfall structures to Chiltipin Creek		Sinton	13000014	5A
FME	131000159	Citywide Stormwater Drainage Improvements	Improving drainage on ditches along TXDOT roads and conveyance on railroad undercrossings.		City of Sinton	13000014	5A
FME	131000160	Expanding Drainage System to Newly Developed Areas	Expanding the citywide drainage system to include the newly developed residential areas		City of Sinton	13000014	5A
FME	131000131	Citywide Stormwater Drainage Improvements	Expanding the current stormwater network in residential areas. Reconstructing/regrading the roads to allow water to flow in the natural drainage direction instead of ponding.		Taft	13000014	5A
FME	131000084	Euclid Stormwater Pump Station Improvements	Pump house is at risk of notable damage due to hurricane winds and flooding during large rain events, and it's capacity is undersized for peak flood flows. Improvements needed to improve maintenance access, flood resiliency, and to facilitate more pumps.	\$5,470,00	Aransas Pass	13000014	5A
FME	131000120	Redfish Bay Protection and Enhancement	Coastal Texas Protection and Restoration Feasibility Study - SP1: Restoration of the Dagger,	\$344,084,000	TX GLO	13000019, 13000020	7, 7A

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			Ransom, and Stedman Island complex via introduction of breakwater and supporting reefballs along the backside of Redfish Bay and on the bayside of the islands.				
FME	131000074	Ave A 4th Street Extension	Secure drainage ROWs along Ave. A near 4th to South of 6th St. Design underground and/or open channel system improve drainage. This section of Avenue A has is often inundated by heavy rains due to poor drainage, cutting off access to area residences.		City of Ingleside	13000013	5
FME	131000121	Pelican Cove Sea Gate Replacement	Improve the Pelican Cove sea gates for easier installment & removal. To prevent rising water into the City, existing huge metal gates are lowered into concrete frames with a 10 ton crane. Post storm surge, high water levels make gate removal difficult.	\$250,000	City of Aransas Pass	13000013	5
FME	131000152	San Patricio County Hazard Mitigation Action Plan - City of Mathis, Action #9	Equip manholes with water tight covers/inflow guards; Raise sewage lift stations electrical systems above BFE; Floodproof sewage treatment plants in flood hazard areas	\$3,000,000	City of Mathis	13000013	5
FME	131000161	San Patricio County Hazard Mitigation Action Plan - City of Sinton, Action #15	Clean and repair stormwater drains. Upgrade und ersized stormwater drains.	\$3,000,000	City of Sinton	13000013	5
FME	131000138	Sinton Repetitive Loss Property Reduction	San Patricio County Hazard Mitigation Action Plan - City of Sinton, Action #13: Identify and implement feasible actions to reduce risk for repetitive loss properties.	\$1,000,000	City of Sinton	13000013	5
FME	131000132	City of Taft Flood Study	San Patricio County Hazard Mitigation Action Plan - City of Taft, Action #6: Complete a comprehensive flood study for FEMA flood mapping. Adopt higher floodplain development st	\$1,000,000	City of Taft	13000007, 13000010	3, 4

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			standards, above the minimum required based on the results of the flood study.				
FME	131000136	San Patricio County Repetitive Loss Property Reduction	San Patricio County Hazard Mitigation Action Plan - San Patricio County, County Wide, Action #1: Identify and implement actions such as flood proofing, elevation, acquisition, relocation, and retrofitting to reduce risk for repetitive loss properties.	\$5,000,000	San Patricio County	13000013, 13000021	5, 7B
FMS	132000042	San Patricio County Dam Failure Education Program	San Patricio County Hazard Mitigation Action Plan - San Patricio County, Action #5: Develop and implement a dam failure hazard education program to provide information on the potential for dam failure and the areas at greatest risk.	\$2,000	San Patricio County	13000022	8
FMS	132000043	Ingleside on the Bay Flood Mitigation Policy	San Patricio County Hazard Mitigation Action Plan - City of Ingleside on the Bay, Action #11: Adopt ASFPM's "No Adverse Impact" policy to mitigate local flooding.	\$2,000	City of Ingleside on the Bay	13000007	3
FMS	132000044	Odem Flood Mitigation Policy	San Patricio County Hazard Mitigation Action Plan - City of Odem, Action #5: Adopt higher floodplain standards above the minimum requirements to provide additional flood protection to new development.	\$1,000	City of Odem	13000007	3
FMS	132000045	Odem Flood Awareness Program	San Patricio County Hazard Mitigation Action Plan - City of Odem, Action #15: Implement a flood awareness program by providing FEMA/NFIP materials to mortgage lenders, real estate agents and insurance agents and place them in local libraries.	\$2,500	City of Odem	13000022	8
FMS	132000046	Portland Flood Mitigation Policy	San Patricio County Hazard Mitigation Action Plan - City of Portland, Action #4: Adopt higher floodplain standards above the minimum requirements to provide additional flood protection to new development.	\$1,000	City of Portland	13000007	3

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FME	131000130	Portland Stream Gauges	San Patricio County Hazard Mitigation Action Plan - City of Portland, Action #5: Identify and install stream and rain gauges at critical sites, upgrade gauges at established sites where necessary, coordinate installation requests.	\$10,000	City of Portland	13000007	3
FMS	132000047	Sinton Flood Mitigation Policy	San Patricio County Hazard Mitigation Action Plan - City of Sinton, Action #2: Adopt higher floodplain standards above the minimum requirements to provide additional flood protection to new development.	\$2,000	City of Sinton	13000007	3
FMS	132000048	Floodplain Management Training	San Patricio County Hazard Mitigation Action Plan - City of Sinton, Action #14: Cross-train building inspectors in floodplain management requirements.	\$2,000	City of Sinton	13000007	3
FMS	132000049	Taft Flood Awareness Program	San Patricio County Hazard Mitigation Action Plan - City of Taft, Action #11: Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" program	\$1,000	City of Taft	13000007, 13000022	3, 8
FME	131000080	Humble Channel Drainage Improvements & Ditch Extension	Reduce flooding in the residential area of Ingleside located to the east of Emory Ballard Dr. via improvements to Humble Channel Outfall, installation of crossings at Emory Ballard Dr., acquisition of easements, and excavation of new drainage ditches.	\$1,767,000	San Patricio County Drainage District	13000014	5A
FME	131000081	Drainage Improvements to Outfall Channel - Lateral AN	Reduce flooding in NE part of Taft. The project will widen and deepen the Main Lateral AN; replace bridge crossings at FM 631, CR 102, CR 77, and CR 81; and armor the ditch section between FM 693 and CR 102 to improve runoff through this section of ditch.	\$4,782,000	San Patricio County Drainage District	13000014	5A

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FME	131000082	Channel Drainage Improvements & Ditch Extension for Outfall Channel - Lateral AS, Northwest Gregory, Texas	Reduce flooding in northern residential area of Gregory. Project includes drainage easement acquisition and excavation, culvert installation at FM 3284, CR 106, and FM 136, excavation of Main Lateral AS, armoring of ditch sections prone to erosion.	\$5,475,000	San Patricio County Drainage District	13000014	5A
FME	131000075	Avenue B Drainage Channel Extension and Outfall Improvements	Storm sewer replacement between Humble Ave. and Mustang Ave.as well as between Mustang Ave. and Ave. B channel. Improvements from 5th St., 6th St., 7th St., and 8th St. into the improved Ave. B channel, and downstream channel excavation.	\$5,000,000	City of Ingleside	13000014	5A
FME	131000077	Wright Avenue Drainage Improvements	Easement Acquisition and construction of two channels between Wright Ave. and McCampbell Slough; channel widening from the north side of the existing hotel properties to the west and tie-in with McCampbell slough. Addresses Nystrom Property area flooding.	\$400,000	City of Ingleside	13000014	5A
FME	131000139	Drainage Improvements - FM 1069 to McCampbell Slough	Easement Acquisition and the design and construction of 10,000 LF of drainage channels along FM 1069 and from Morgan Lane and Mooney Lane to McCampbell Slough. Addresses the flood prone Mooney-Vickery area.	\$750,000	City of Ingleside	13000014	5A
FME	131000140	Morgan Avenue & Mooney Avenue Drainage Improvements	2,500 LF of improved channels and below ground concrete boxes. The project would also include easement acquisition and the crossing of both SH 361 and the UP Railroad and concrete outfall. Addresses the flood prone Mooney-Morgan area.	\$3,500,000	City of Ingleside	13000014	5A
FMS	132000055	Aransas Pass Flood Mitigation Policy	Incorporate higher floodplain management standards into City of Aransas Pass comprehensive plan update.	\$76,754	City of Aransas Pass	13000017	6A
FME	131000076	Ave A & 8th Street Drainage Improvements	Drainage improvements along Avenue A from south of 6th Street, south to 8th Street, and west along 8th Street to the existing drainage channel.		City of Ingleside	13000014	5A

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FME	131000101	Stormwater Master Plan #1 - North of Parkview between Starlight and Sunset Outfall Pipe	Positive drainage to Parkview Place to be improved by minor site regrading, grate inlet installation, and installation of RCP along Sunset Drive, as well as the alley that runs parallel to the West. Alley drainage improvement to connect to existing inlet.	\$76,776	City of Ingleside on the Bay	13000014	5A
FME	131000102	Stormwater Master Plan #2 - North of Parkview between Sunset and Woodhaven Outfall Pipe	Positive drainage to Parkview Place to be improved by minor site regrading, grate inlet installation, and installation of RCP along Woodhaven Drive. Improvement to be connected to existing storm pipe via junction box.	\$47,250	City of Ingleside on the Bay	13000014	5A
FME	131000103	Stormwater Master Plan #3 - North of Post Oak between Starlight and Sunset Outfall	Positive drainage to Post Oak Drive to be improved by minor site regrading along alley between Starlight Drive and Sunset Drive.	\$29,400	City of Ingleside on the Bay	13000014	5A
FME	131000104	Stormwater Master Plan #4 - North of Post Oak between Sunset and Woodhaven Outfall	Positive drainage to Post Oak Drive and Retama Drive to be improved by minor site regrading, grate inlet installation, and installation of RCP along alley between Woodhaven Drive and Sunset Drive. Improvements to connect to existing inlet.	\$79,450	City of Ingleside on the Bay	13000014	5A
FME	131000105	Stormwater Master Plan #5 - North of Ebony between Starlight and Sunset Outfall	Positive drainage to Ebony Street to be improved by minor site regrading, grate inlet installation, and installation of RCP along alley between Starlight Drive and Sunset Drive. Site regrade and installation of RCP will also take place on Ebony Street.	\$87,325	City of Ingleside on the Bay	13000014	5A
FME	131000106	Stormwater Master Plan #6 - LiveOak/Ebony and Woodhaven Improvements and Outfall	Ponding to be reduced by minor regrading, installation of new standpipes with low flow outlets, and implementation of sediment filters around existing inlets. Installation of RCB along Live Oak St. and RCP along Woodhaven Dr. and Ebony Dr. to be included.	\$322,720	City of Ingleside on the Bay	13000014	5A
FME	131000107	Stormwater Master Plan #7 - Bayshore East Channel and Culvert Improvements	Positive drainage from stormwater ditch to bay to be improved by site and channel regrading and	\$329,000	City of Ingleside on the Bay	13000014	5A

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			installation of RCP to provide direct outfalls for low lying areas to the bay.				
FME	131000108	Stormwater Master Plan #8 - Bayshore East Outfall	Positive drainage from stormwater ditch to bay to be improved by site and channel regrading and installation of RCP to provide direct outfalls for low lying areas to the bay.	\$110,550	City of Ingleside on the Bay	13000014	5A
FME	131000109	Stormwater Master Plan #9 - Bayshore Court Outfall	Positive drainage from stormwater ditch to bay to be improved by site and channel regrading and installation of RCP to provide direct outfalls for low lying areas to the bay.	\$110,550	City of Ingleside on the Bay	13000014	5A
FME	131000113	Lang Road Drainage Ditch and Outfall	This is the location of a future project: a drainage ditch is needed to alleviate flooding created by increased development. The ditch would run south from Lang Road to the bay.		Portland	13000014	5A
FME	² 131000166	Nueces Delta Preserve Project - Land Acquisition	This master plan envisions that the delta land identified here will likely become part of the Nueces Delta Preserve via voluntary coordination with private landowners.	\$1,500,000	CBBEP	13000019, 13000020	7, 7A
FME	² 131000118	Nueces River Delta Shoreline Stabilization	Texas Coastal Resiliency Master Plan - R3-15: The project would include the construction of breakwaters along approximately 3,900 linear feet of shoreline at the Nueces River Delta to dissipate wave energy that is causing estuarine wetland loss	\$3,500,000	Coastal Bend Bays and Estuaries Program, Texas General Land Office	13000021	7B
FME	² 131000089	Wesley Seale Dam Inspection	This project is for the detailed inspection of the Wesley Seale Dam structure and system components.	\$300,000	City of Corpus Christi	13000005	2A

¹ Flood Management Evaluation (FME)- flood study of a specific flood prone area needed to assess risk

Flood Mitigation Project (FMP)- structural or non-structural project that when implemented will reduce flood risk, mitigate hazards to life or property. Includes nature-based solutions. 'No negative impact'

Flood Management Strategy (FMS)- proposed plan to reduce flood risk or mitigate flood hazards. Any action that a RFPG would like to evaluate and recommend that does not qualify as FME or FMP.

²Shown on map for San Patricio County, referenced in Nueces County