

## Appendix C2 – Previous Relevant Flood Studies

A list of previous flood studies considered by the Regional Flood Planning Group (RFPG) to be relevant to the development of the regional flood plan are provided in the following table:

Previous and Relevant Flood Study	Description	Jurisdictions	Counties	Year
Coastal Texas Protection and Restoration Feasibility Study	This effort, known as the Coastal Texas Protection and Restoration Feasibility Study (Coastal Texas Study), was initiated in 2014 to evaluate large-scale coastal storm risk management (CSR) and ecosystem restoration (ER) actions aimed at providing the coastal communities of Texas with multiple lines of defense to reduce impacts from a wide array of coastal hazards. This study falls under the U.S. Army Corps of Engineers (USACE) Civil Works Mission, which includes but is not limited to inland and coastal flood risk management and the restoration, protection, and management of aquatic ecosystems. This planning effort was conducted in full compliance with the National Environmental Policy Act (NEPA) and this report includes a companion Final Environmental Impact Statement (EIS).	USACE, GLO	Nueces, San Patricio	2021
Lower Nueces River Watershed Protection Plan	The purpose of this report is to summarize data collected by Texas Stream Team citizen scientists. The data presented in this report should be considered in conjunction with other relevant water quality reports for a holistic view of water quality in the lower Nueces River watershed.	Jurisdictions within the Lower Nueces River Watershed	Counties within the Lower Nueces River Watershed	2020
Atascosa-McMullen Multi-Jurisdictional Hazard Mitigation Action Plan	The Atascosa and McMullen Counties Hazard Mitigation Plan is a multi-jurisdictional plan covering two counties, 8 cities, and 2 school districts. The purpose of the plan is to minimize or eliminate long-term risks to human life and property from known hazards and to break the cycle of high-cost disaster response and recovery within the planning area.	Atascosa County, McMullen County, the Cities of Charlotte, Christine, Jouranton, Pleasanton, Poteet, Lytle, the school district of Lytle Independent School District (ISD) and Poteet ISD.	Atascosa-McMullen	2020
Coastal Resiliency Master Plan	Developed by the Texas General Land Office (GLO), the 2019 Texas Coastal Resiliency Master Plan is the second installment of a statewide plan to protect and promote a vibrant and resilient Texas coast that supports and sustains a strong economy and healthy environment for all who live, work, play or otherwise benefit from the natural resources and infrastructure along the Texas coast.	GLO	Aransas, Kleberg, Nueces, Refugio, San Patricio	2019

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Bandera County River Authority and Groundwater District Flood Plan	The purpose of the flood plan is to outline a plan of operation to effectively coordinate and provide reliable information to the community during rainfall runoff events resulting in minor to significant flooding conditions of the Medina River and Sabinal River within Bandera County.	Bandera County River Authority and Groundwater District	Bandera	2019
The City of Alice & Jim Wells County Multi-Hazard Mitigation Plan	This plan addresses the following natural hazards: floods, hurricanes / tropical storms, wildfire, tornados, drought, riverine erosion, dam/levee failure, earthquakes, expansive soils, extreme heat, hailstorms, severe winter storms, windstorms, and lightning. The goals of the plan are to reduce loss of life and injury to persons; reduce disruptions to essential public services and infrastructure; reduce economic impacts to individuals, businesses, and area institutions; and to reduce losses to civic, cultural, and environmental resources.	Jim Wells County and City of Alice	Jim Wells County	2018
San Patricio County Hazard Mitigation Action Plan	The plan was prepared by San Patricio County, participating jurisdictions, and H2O Partners, Inc. The purpose of the plan is to protect people and structures and to minimize the costs of disaster response and recovery. The goal of the plan is to minimize or eliminate long-term risks to human life and property from known hazards by identifying and implementing cost-effective hazard mitigation actions.	San Patricio County	San Patricio	2018
Aransas County Multi-Jurisdictional Floodplain Management Plan	The focus of the mitigation action plan is to reduce future losses within Aransas County by identifying mitigation strategies based on a detailed hazard risk analysis, including both an assessment of regional hazards and vulnerability. The mitigation strategies seek to identify potential loss-reduction opportunities. The goal of this effort is to work towards more disaster-resistant and resilient communities throughout Aransas County.	Aransas County, the City of Aransas Pass, the Town of Fulton, and the City of Rockport.	Aransas	2017
Aransas County Texas Multi-Jurisdictional Hazard Mitigation Action Plan	This plan covers two counties, 8 cities, and 2 school districts. The purpose of the plan is to minimize or eliminate long-term risks to human life and property from known hazards and to break the cycle of high-cost disaster response and recovery within the planning area	Unincorporated Aransas County, City of Aransas Pass, Town of Fulton, City of Rockport	Aransas	2017
Nueces County Multi-Jurisdictional Hazard Mitigation Action Plan	The focus of the mitigation action plan is to reduce future losses within Nueces County by identifying mitigation strategies based on a detailed hazard risk analysis, including both an assessment of regional hazards and vulnerability. The mitigation strategies seek to identify potential loss-reduction opportunities. The goal of this effort is to work towards more disaster-resistant and resilient communities throughout Nueces County.	Nueces County, City of Aqua Dulce, City of Bishop, City of Corpus Christi, City of Driscoll, City of Petronila, City of Port Aransas, City of Robstown, Port of Corpus Christi Authority	Nueces	2017

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Hazard Identification, Risk Assessment (HIRA) and Consequence Analysis	The HIRA is the first step in evaluating natural and technological hazards that exist. It serves as a basis for the development plans, public education programs, responder training and exercises. It also lays foundation to begin mitigation efforts to minimize these identified potential threats.	Bexar County, City of San Antonio	Bexar	2014
A Joint Erosion Response Plan for Nueces County and the City of Corpus Christi	The purpose of the erosion response plan is to reduce storm damage along the city and county gulf coastlines. The erosion response plan will be used by the GLO to qualify local governments for certain GLO grants.	City of Corpus Christi, Nueces County	Nueces	2012
Coastal Bend Mitigation Action Plan	The main purpose to the planning project is to reduce future losses in the Coastal Bend region of Texas by identifying mitigation strategies based on an analysis of risk, including both an assessment of regional hazards and vulnerability. The mitigation strategies seek to identify potential loss-reduction opportunities; however, implementation of the strategies will be constrained to some extent by the future availability of funding in the context of other community priorities.	Aransas County, Bee County, Jim Wells County, Kleberg County, Live Oak County, Nueces County, San Patricio County	Aransas, Bee, Jim Wells, Kleberg, Live Oak, Nueces, San Patricio	2012
Potential for Bed-Material Entrainment in selected Streams of the Edwards Plateau---Edwards, Kimble, and Real Counties, Texas, and Vicinity	An investigation of the problem at low-water crossings (LWCs) was made by the U.S. Geological Survey (USGS) in cooperation with the Texas Department of Transportation (TXDOT), and in collaboration with Texas Tech University, Lamar University, and the University of Houston. The bed-material entrainment problem for LWCs occurs at two spatial scales - watershed scale and channel-reach scale. First, the relative abundance and activity of cobble- and gravel-sized bed material along a given channel reach becomes greater with increasingly steeper watershed slopes. Second, the stresses required to mobilize bed material at a location can be attributed to reach-scale hydraulic factors, including channel geometry and particle size.	USGS, TXDOT	Edwards, Kimble and Real	2008