



CMP Grant Cycle 27: Project Summary by County (NOAA funded):

Cameron

Cameron County Beach Access #3 Accessibility Infrastructure

Cameron County will construct new amenities at Beach Access # 3, which were designed and permitted under CMP Cycle 24. The amenities include a sidewalk and dune walkover and will be Americans with Disabilities Act (ADA) compliant.

CMP Funded: \$120,000.00

Match: \$80,000.00

Total Project: \$200,000.00

Fantasy Circle Beach Access Improvements

The City of South Padre Island will design and construct a permanent restroom and a wooden, removable drive-over at the beach access point.

CMP Funded: \$120,000.00

Match: \$80,000.00

Total Project: \$200,000.00

Rio Hondo Coastal Zone Habitat Creation, Restoration & NPS Education

Texas A&M AgriLife Extension Service will create coastal wetland habitat by retrofitting existing stormwater infrastructure to reduce nonpoint source (NPS) stormwater pollution generated by Rio Hondo ISD Middle School. The project will provide an outdoor classroom for students, complete with educational signage and classroom content that meets grade-level environmental science standards.

Galveston

Fort Travis Public Restroom Project

Galveston County will demolish the existing restroom structure and design and construct a new restroom facility. The project will also install rinse stations, a kiosk for events and coastal warnings/information, and educational signage about protected wildlife and the historical significance of Fort Travis.

CMP Funded: \$139,800.00

Match: \$93,200.00

Total Project: \$233,000.00

Harris

Exploration Green Stormwater Wetland Water Quality Baseline Study

This study will generate data on the stormwater treatment wetlands being created at Exploration Green, using CMP Cycle 23 funds, in the Clear Creek watershed. The data will be collected by sampling three

outfall locations and then be provided to decision makers at Exploration Green Conservancy and Clear Lake City Water Authority.

CMP Funded: \$71,083.00
Match: \$47,390.00
Total Project: \$118,473.00

Jefferson

Identify potential BMP tools to reduce bacteria loading in Neches River

Lamar University will analyze existing field surveys of on-site sewage facilities (OSSFs) and water quality data to identify the critical area for bacteria loading in the basin. The project will also identify bacteria pathways and develop a coupled model to assess the best management practices (BMPs) to mitigate and reduce the bacteria loading.

CMP Funded: \$99,887.00
Match: \$68,896.00
Total Project: \$168,783.00

Kleberg

A study of the Laguna Salada ecosystem to support Baffin Bay restoration

Texas A&M University-Corpus Christi will complete a targeted study of water quality in the Laguna Salada and provide nutrient management recommendations. This study will help identify pollutant sources (natural or human-derived), algal response to nutrient inputs from different sources, and overall water quality conditions with the overall goal of helping control brown tide blooms in the larger Baffin Bay system.

CMP Funded: \$98,080.00
Match: \$65,435.00
Total Project: \$163,515.00

Matagorda

Matagorda Bay shoreline resilience: Restoring seagrass pilots plus a demo

The Matagorda Bay Foundation will complete all required permitting and design for a pilot experiment to restore seagrass in Matagorda and other bays. The long-term goal of the project is to help increase Matagorda Bay shoreline resilience by installing restored seagrass corridors.

CMP Funded: \$189,602.00
Match: \$126,510.00
Total Project: \$316,112.00

Freshwater Inflow Standards for East Matagorda Bay

Texas A&M AgriLife Extension Service will inform the development of freshwater inflow standards for East Matagorda Bay by quantifying the amount of freshwater entering the bay from the Lake Austin

watershed. Once the inflow is quantified, researchers can determine how much supplemental water is required to sustain the bay during droughts.

CMP Funded: \$99,669.00
Match: \$66,449.00
Total Project: \$166,118.00

Nueces

Mustang Island SP Geoenvironmental Atlas

The University of Texas at Austin will create geoenvironmental atlases for Mustang Island and Galveston Island State Parks (SP) that highlight the geologic, geomorphic, and wetland features and coastal hazards unique to the parks. The atlases will be comprised of printable, digital, and web products and text discussing the context of major atlas elements.

CMP Funded: \$82,646.00
Match: \$55,210.00
Total Project: \$137,856.00

Public Access Enhancements for the Encinal Peninsula (Flour Bluff)

This City of Corpus Christi will complete a feasibility and structural engineering assessment for renovating an abandoned railroad trestle over Oso Bay to create a trail connecting to the Oso Bay Wetlands Preserve. The City will also complete a master plan that includes land use and amenities for the trail.

CMP Funded: \$175,000.00
Match: \$117,060.00
Total Project: \$292,060.00

Upper Coast

Community Outreach through Oyster Shell Recycling and Citizen Science

Galveston Bay Foundation will continue the expansion of the Oyster Shell Recycling Program and increase community engagement by recruiting additional restaurant partners and implementing three citizen science programs: oyster gardening, reef monitoring, water quality monitoring.

CMP Funded: \$100,000.00
Match: \$66,667.00
Total Project: \$166,667.00

CMP Grant Cycle 27: GOMESA Funded Projects of Special Merit Summary by County

Coastwide

The Clean Coast Texas Collaborative Years 3 and 4

Texas State University will continue its partnership with the GLO on the Texas Coastal Nonpoint Source Program by working one-on-one with communities to identify opportunities and generate projects that achieve measurable water quality, flood mitigation, and habitat enhancement benefits. The project will engage with additional communities, help target communities establish local ordinances for adoption of Texas Coastal Nonpoint Source Program priorities, and design and construct four new Green Stormwater Infrastructure.

GOMESA Funded: \$ 1,729,425.00

Updating the National Wetland Inventory in Coastal Texas

Ducks Unlimited, Inc. will update the National Wetland Inventory using the most current available imagery, data, and mapping techniques. The updated maps will cover an area of 3,832,174 acres in the CMP Coastal Zone and hydrologically connected inland areas in the upper Eastern Texas coast from Galveston to the Texas border. Data will be delivered to the GLO and USFWS national mapper as a GIS dataset with supporting methods documentation and reports. The products of this project will serve to aid in baseline evaluation of habitats and development of management strategies for the Texas upper eastern coast.

GOMESA Funded: \$439,715.00

Brazoria

Assessing flow and sediment dynamics of Lower Brazos and San Bernard Basins

The University of Texas at Arlington will conduct both field campaigns and modelling efforts to assess freshwater inflows along the San Bernard River during floods, and produce a scenario analysis for flooding, sediment, and San Bernard River mouth stability. The project results will inform ongoing and future regional flood plans, dredging and sediment management strategies, and prevention of shoreline retreat along Sargent Beach.

GOMESA Funded: \$570,768.00

Calhoun

Hydrologic restoration of the Welder Flats Marsh for Whooping Cranes

Texas A&M University will collect hydrological data, complete GIS landcover analysis, and watershed geo-hydrologic modeling to guide engineering design, permitting, and construction of water control structures to restore Welder Flats. This project will restore critical Whooping Crane habitat, improve fishing, hunting, and birding opportunities, and protect the wetlands against future sea level rise.

GOMESA Funded: \$212,460.00

Cameron

Lower Laguna Madre Hydrodynamic Characterization

Cameron County will characterize 3D circulation patterns in the Lower Laguna Madre to aid in understanding nonpoint source pollutant loads and transport as well as storm surge and flooding distribution and magnitude. The project will map circulation patterns combined with CTD casts to identify density gradients in response to seasonal conditions.

GOMESA Funded: \$852,254.00

Nueces

Assessment of seagrass habitat and stability in Texas coastal waters

The University of Texas at Austin will conduct the first coast-wide inventory of seagrass in nearly 20 years. The project will measure the abundance, above ground biomass, species composition, condition, below ground biomass, and sediment carbon composition of seagrass meadows.

GOMESA Funded: \$499,533.00

Packery Channel Nature Park Shoreline Enhancement

Nueces County Coastal Parks will create a resilient living shoreline along Packery Channel in Packery Channel Nature Park. The project will complete a study of the wave energy to assist in refining the final design of the infrastructure, and the design will include a pier. The project will help restore eroded banks and saltwater marsh habitat, protect the shoreline from future wave erosion, and provide valuable habitat to fish and birds.

GOMESA Funded: \$3,678, 000.00