

Gordy Marsh Living Shoreline

Regulatory authorizations:

CLCND Lease #003-20 CE

USACE Permit SWG-2020-00429

Funding:

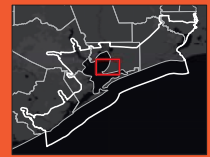
USFWS Coastal Program: \$50,000.00

TGLO CEPRA/GOMESA: \$4,495,000.00

Permitted plans below. Please note, actual constructed structure may slightly differ from permitted plans.

Gordy Marsh Restoration and Shoreline Protection

(Project ID R1-4)



Region: 1

Location:

Southern shoreline of Trinity Bay about 5 miles north of Smith Point

County:

Chambers

Status:

Engineering & Design

Stakeholders:

- Galveston Bay Foundation
- U.S. Fish and Wildlife Service

Project Type:

Habitat Creation & Restoration; Shoreline Stabilization

Action:

Wetland Protection and/or Shoreline Stabilization

Resiliency Strategy:

Ecological Resiliency (Wetland Planning, Restoration and Monitoring)

Jobs Created:

Creates approximately 63 jobs during construction.



Project Description

This project would provide shoreline protection and estuarine wetland restoration at Gordy Marsh, a 1,700-acre coastal wetland and prairie habitat that borders Trinity Bay. Gordy Marsh is located in an area rated as a high conservation priority by Chambers County and the Galveston Bay Foundation.



Project Need

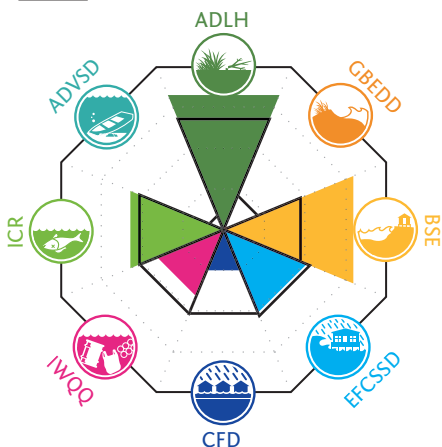
The Gordy Marsh shoreline is eroding at a rapid rate. The habitat degradation in this area would continue unless protective measures are taken. Over the next 50 years, more than 60 acres are projected to erode based on historic rates if this project does not occur.

Project Benefit

This project would restore estuarine wetlands and protect the shoreline at Gordy Marsh. The project also could incorporate beneficial use of dredged material to create and restore the habitat periodically to mitigate relative sea level rise.

Project Benefits Per Issues of Concern

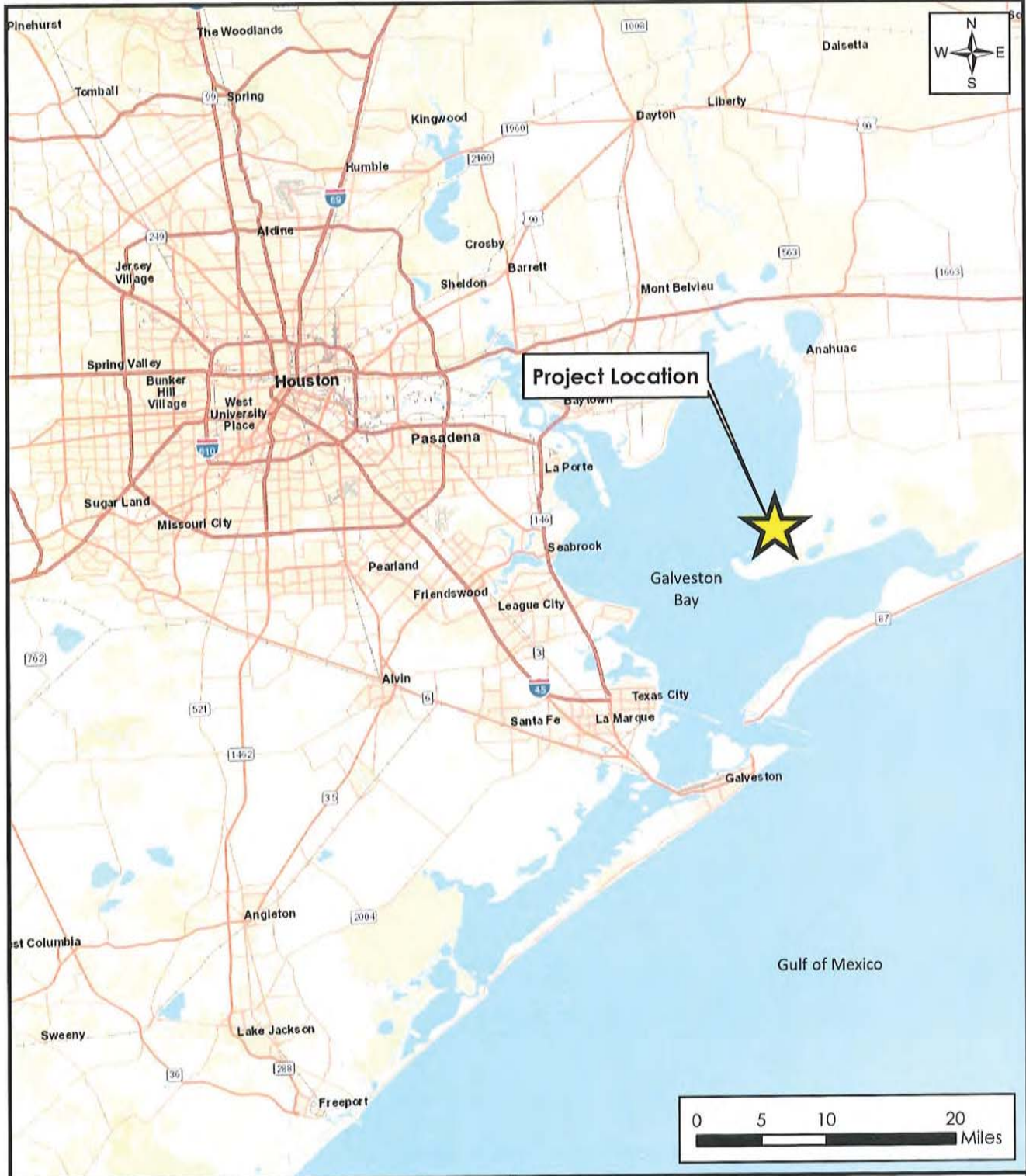
 Project Specific
 Average for Region 1



Estimated Total Project Cost: \$4,500,000*

**Partial funding identified*

JUN 18 2020



VICINITY MAP

Project Name: Gordy Marsh Restoration & Shoreline Protection	
Project Location: Chambers County, TX	
Image Source: ESRI World Street Map	
Projection: NAD 1983, StatePlane TX S. Central	
Date Drawn: 5/28/2020	Drawn by: H.Leija




GALVESTON BAY
FOUNDATION

1725 Highway 146, Kemah TX; (281) 332-3381

JUN 18 2020



 Gordy Marsh Conservation Easement

LOCATION MAP - A

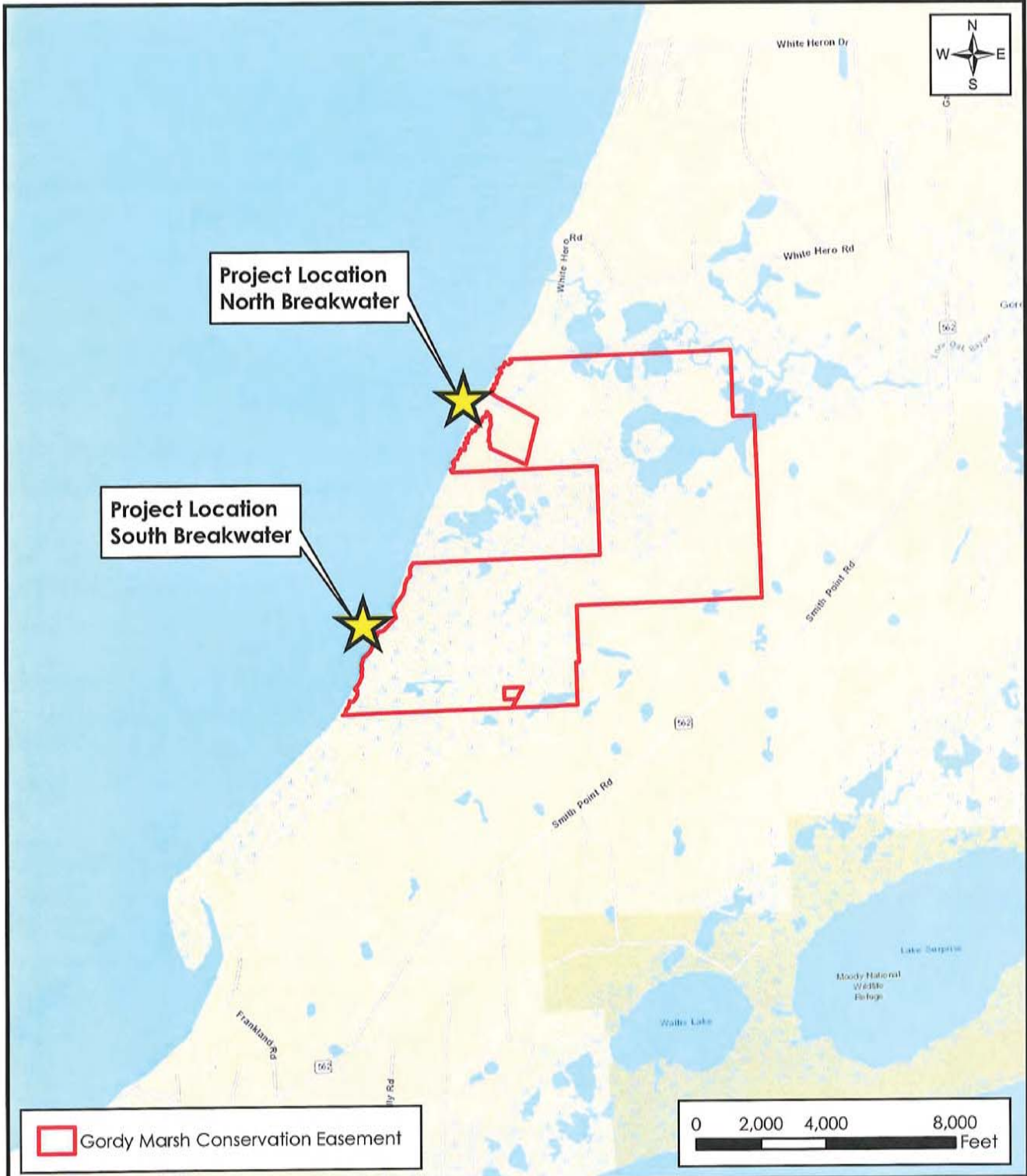
Project Name: Gordy Marsh Restoration & Shoreline Protection	
Project Location: Chambers County, TX	
Image Source: ESRI World Street Map	
Projection: NAD 1983, StatePlane TX S. Central	
Date Drawn: 5/28/2020	Drawn by: H.Leija



GALVESTON BAY
FOUNDATION

1725 Highway 146, Kemah TX; (281) 332-3381

JUN 18 2020



LOCATION MAP - B	
Project Name: Gordy Marsh Restoration & Shoreline Protection	
Project Location: Chambers County, TX	
Image Source: ESRI World Street Map	
Projection: NAD 1983, StatePlane TX S. Central	
Date Drawn: 5/28/2020	Drawn by: H.Leija




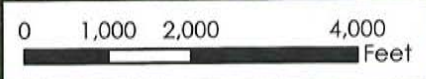
GALVESTON BAY
FOUNDATION

1725 Highway 146, Kemah TX; (281) 332-3381

JUN 18 2020



 Gordy Marsh Conservation Easement
Proposed Breakwaters
 North Section ~ 4,700 LF
 South Section ~ 6,000 LF



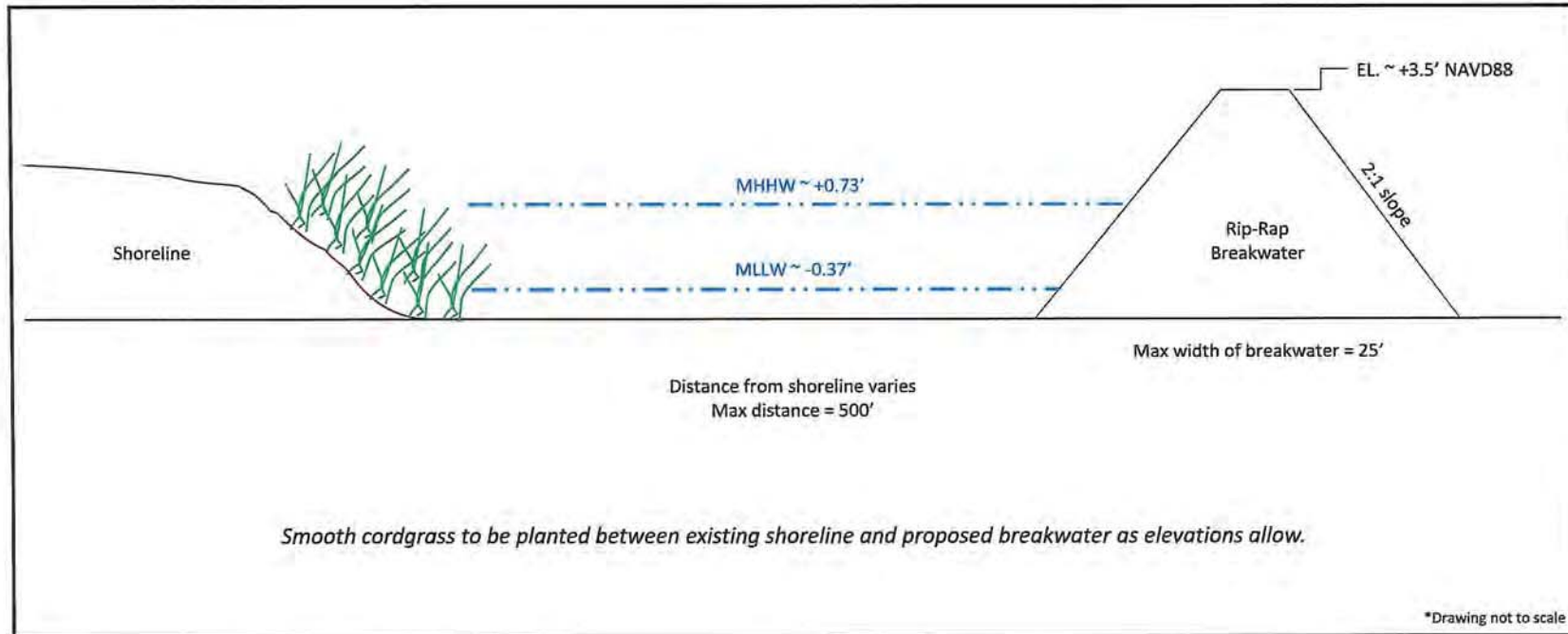
PROPOSED CONSTRUCTION MAP	
Project Name: Gordy Marsh Restoration & Shoreline Protection	
Project Location: Chambers County, TX	
Image Source: ESRI World Imagery	
Projection: NAD 1983, StatePlane TX S. Central	
Date Drawn: 5/28/2020	Drawn by: H.Leija



**GALVESTON BAY
FOUNDATION**

1725 Highway 146, Kemah TX; (281) 332-3381

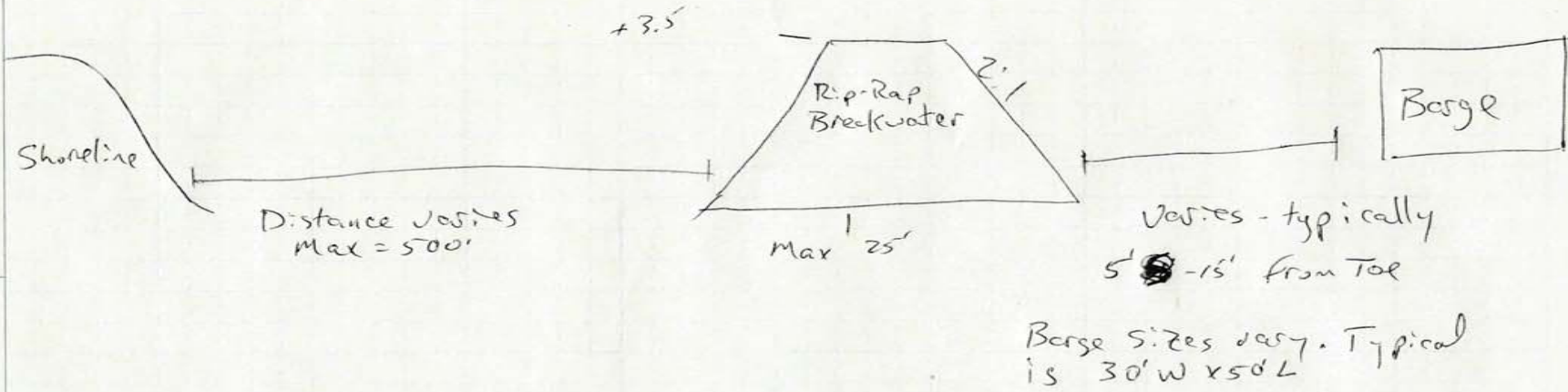
Proposed Breakwater Design



Elevations are based on NOAA tide and currents at Eagle Point Station, TX and an adjustment calculation using MSL from a nearby tidal station was performed to present these values relative NAVD 88 by ERM.
<https://tidesandcurrents.noaa.gov/datums.html?id=8771013>

Gordy Marsh Restoration and Shoreline Protection
Chambers County, TX
29.598269 ° N; -94.723456° W

JUN 18 2020



Gordy Marsh Restoration and Shoreline Protection
Chambers Co., TX
29.598269 N; -94.723456 W

