



NFWF

Gulf Environmental Benefit Fund

TEXAS

Dagger Island Restoration Project

This project constructed 1.28 miles of nearshore breakwater and a 25-acre containment facility for beneficial use of dredged material to restore the island and protect approximately 5,200 acres of coastal habitat, including 2,630 acres of seagrass in Redfish Bay, an area adjacent to Corpus Christi Bay.

Dagger Island was once a nearly contiguous island separating Corpus Christi Bay and Redfish Bay. Degradation and shoreline erosion from natural and anthropogenic causes (e.g., shipping and dredging associated with the Corpus Christi Ship Channel) have broken the once intact island into a chain of smaller islands, altering the ecological function of the Redfish Bay system. These low-profile islands have sand and shell hash shorelines leading to scarped banks that transition to typical high marsh vegetation including patches of mangrove. Additionally, Redfish Bay contains the most extensive stands of seagrass on the north Texas coast and is unique as one of only three bays that contain all five species of native seagrass in Texas. The entire area is critically important for several species, including finfish, shrimp, blue crab, and sea turtles.



As displayed in the above aerial photo, Dagger Island has decayed significantly over the past 50 years.

AT A GLANCE

RECIPIENT:

Texas Parks and Wildlife Department

AWARD AMOUNT:

\$4,249,231

LOCATION:

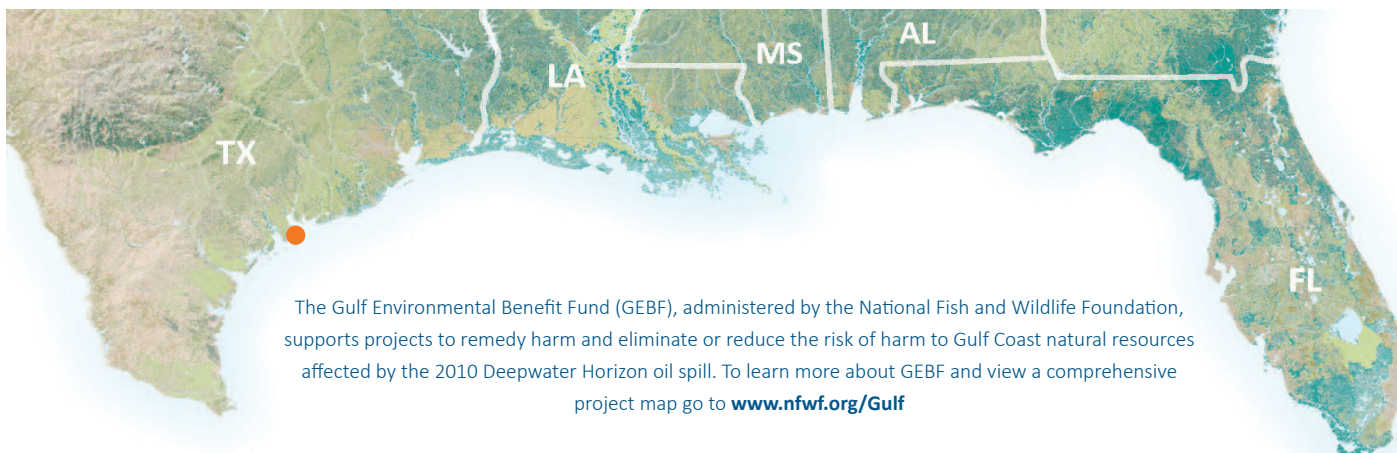
Redfish Bay, San Patricio County

AWARD DATE:

November 2016

STATUS:

Closed



The Gulf Environmental Benefit Fund (GEBF), administered by the National Fish and Wildlife Foundation, supports projects to remedy harm and eliminate or reduce the risk of harm to Gulf Coast natural resources affected by the 2010 Deepwater Horizon oil spill. To learn more about GEBF and view a comprehensive project map go to www.nfwf.org/Gulf