

WHISKEY ISLAND BACK BARRIER MARSH CREATION

PUBLIC WORKS



CHALLENGE

Whiskey Island, one of five islands that comprise the Isles Dernieres barrier island chain, is essential to protecting human populations, oil and gas infrastructures, and wetland habitats in Louisiana. The goal for the Whiskey Island Back Barrier Marsh Creation Project (TE-50) was to increase the island's width, elevation, and structural integrity.

SOLUTION

TBS was involved in all phases of the project, providing surveying, engineering, environmental, and construction administration services. The project created approximately 319 acres of marsh platform, 4,967 linear feet of primary dikes, 11,800 linear feet of secondary dikes, and nourished approximately 95 acres of beach/island area. The total quantity of material placed on the island was computed to be approximately 2,300,000 cubic yards of marsh fill and 236,784 cubic yards of dune fill.

INTEGRATED SERVICES

Topographic surveys	Permit acquisition
Elevation surveys	Agency coordination
Bathymetric surveys	Engineering design
Magnetic surveys	Construction specifications
Oyster lease documentation	Construction management
Geotechnical oversight	Record drawings