Barataria Barrier Island Complex Project:
Pelican Island and Pass La Mer to Chaland Pass (BA-38)

Project Status
Approved Date: 2002  Project Area: 1,117 acres
Approved Funds: $70.4 M  Total Est. Cost: $71.1 M
Net Benefit After 20 Years: 334 acres
Status: Completed
Project Type: Barrier Island Restoration
PPL #: 11

Location
The project is located along two sections of the Barataria Bay Shoreline in Plaquemines Parish. The Chaland Headland segment is about 3.1 miles long and is located between Pass La Mer and Chaland Pass. Pelican Island is located immediately east of the Empire Waterway; this segment was restored to maintain the integrity of 2.4 miles of shoreline.

Problems
Prior to restoration, wetlands, dune, and swale habitats within the project area had undergone substantial loss due to subsidence, sea-level rise, oil and gas activities (e.g., pipeline construction), and marine- and wind-induced shoreline erosion (gulfside and bayside). Marine processes acting on the abandoned deltaic headlands rework and redistribute previously deposited sediment. The shoreline had breached in several locations, resulting in the formation of new tidal inlets.

For more information, please contact:

Federal Sponsor:
National Marine Fisheries Service
Baton Rouge, LA
(225) 778-7380

Local Sponsor:
Coastal Protection and Restoration Authority
Baton Rouge, LA
(225) 342-4736

Cost figures as of: September 2022

Pelican Island after completion of major construction activities. Large equipment in the lower left of the photo provide a sense of the scale of the project.