January 2016
Cost figures as of: January 2017

Caminada Headlands Back Barrier Marsh Creation, Increment 2 (BA-193)

Project Status

Approved Date: 2016 **Project Area:** 444 acres
Approved Funds: $3.03 M **Total Est. Cost**: $24.9 M
Net Benefit After 20 Years: 207 acres
Status: Engineering and Design
Project Type: Marsh Creation
PPL #: 25

Location

The Caminada Headland is defined as the area south of Louisiana Highway 1 between Belle Pass and Caminada Pass. The Project is located directly behind Caminada headland beach east of Bayou Moreau and west of Elmer's Island. The Project is located in CWPPRA Planning Region 2, Barataria Basin, Lafourche and Jefferson Parishes.

Problems

The Caminada Back Barrier Marsh Restoration Project is located in an especially dynamic area of the Louisiana Coast. The landward shoreline migration of the beach will significantly impact the project area over the 20 year life of the project. Historic shoreline migration rates average 41.4 feet/year over the last century. The increased losses occurred after Hurricanes Katrina and Rita in 2005 since the breaches remained open for an extended length of time. In addition, the losses were exacerbated by Tropical Storm Fay and Hurricanes Gustav and Ike in 2008. Significant prolonged breaches greatly increase the net export of sediment from the headland.

Dredge material from the Gulf of Mexico will be pumped into open-water areas which will create 246 acres of back barrier marsh and nourish 198 acres of emergent marsh behind 4 miles of the Caminada Beach.

Restoration Strategy

This project would create 246 acres of back barrier intertidal marsh and nourish 198 acres of emergent marsh using dredged material pumped from the Gulf of Mexico. The marsh creation and nourishment cells are designed to minimize impacts on existing marsh and mangroves. Assuming some natural vegetative recruitment, vegetative plantings are planned at a 50% density, with half planned at Target Year 1 (TY1) and half planned at TY3. Containment dikes will be degraded or gapped by TY3 to allow access for estuarine organisms. The project would result in approximately 207 net acres over the 20-year project life.

The project will work synergistically with BA-45 Caminada Beach and Dune Restoration Project (construction completed December 2014) and BA-143 Caminada Beach and Dune Restoration Increment 2 Project (scheduled to be completed with construction in July 2016), as well as BA-171 Caminada Back Barrier Marsh Creation Project (scheduled to be completed with E&D late 2016).

Progress to Date

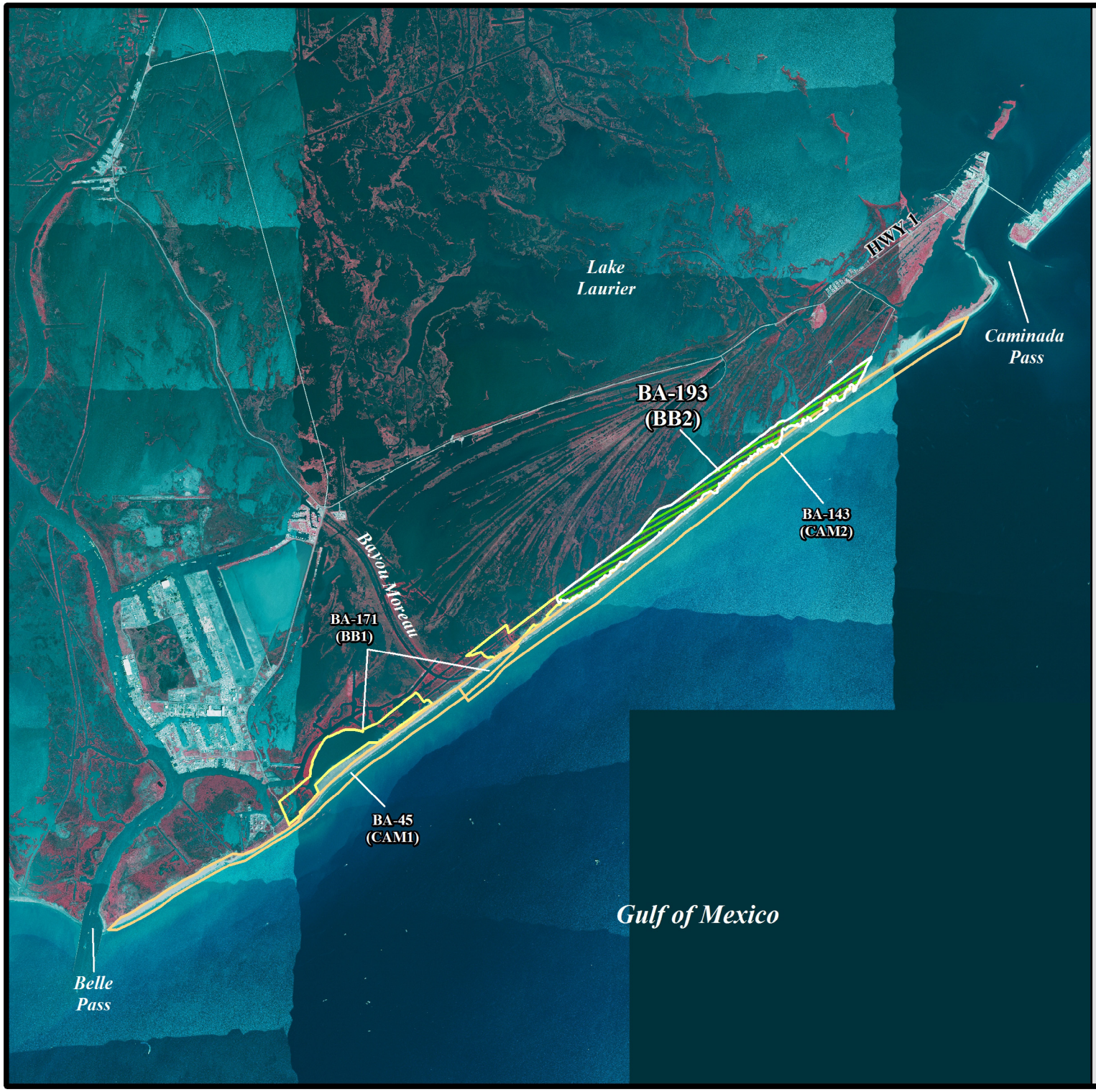
This project was approved for Phase I Engineering and Design in January 2016.

This project is on Priority Project List (PPL) 25.

For more information, please contact:

Federal Sponsor:
U.S. Environmental Protection Agency
Dallas, TX
(214) 665-7506

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



Caminada Headlands Back Barrier Marsh Creation, Increment II (BA-193)

- Marsh Creation (BA-193)
- Back Barrier Marsh Creation
- Beach & Dune Restoration
- Project Boundary

USGS
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N

0.75 0 0.75 1.5 Kilometers

0.75 0 0.75 1.5 Miles

Map Produced by:
U.S. Department of the Interior
U.S. Geological Survey
Wetland and Aquatic Research Center
Coastal Restoration Assessment Branch
Baton Rouge, La.

Background Imagery:
2013 NAIP Photography

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