

# **Appendix A**

## **Project Data & Fact Sheet**



# Caminada Headland Back Barrier Marsh Creation (BA-171)

## Project Status

**Approved Date:** 2014  
**Approved Funds:** \$48.2 M  
**Net Benefit After 20 Years:** 379 acres  
**Status:** Construction  
**Project Type:** Marsh Creation  
**PPL #:** 23

**Project Area:** 928 acres  
**Total Est. Cost:** \$50.9 M

## Location

The project area is defined as the area south of Louisiana Highway 1 between Belle Pass and Caminada Pass, and stretches from the area in and around Bay Champagne to the west of Elmer's Island along the headland. The Caminada Headland Back Barrier Marsh Creation Project is located along the Louisiana coastline in Lafourche and Jefferson Parishes in CWPPRA Planning Region 2.

## Problems

The Caminada Headland has experienced some of the highest shoreline retreat rates in Louisiana. Historically the shoreline has migrated landward at about 40 feet per year. Between 2006 and 2011, shoreline migration increased dramatically, exceeding 80 feet per year in near Bay Champagne and 110 feet per year in the Bayou Moreau area. The increased losses occurred in the wake of Hurricanes Katrina and Rita in 2005 as the breaches remained open for an extended length of time. 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.

In addition to the shoreline migration, the area is also experiencing high loss rates of interior marshes. As the beach and dune continue to migrate landward, overwashed sediment will be lost into newly formed open water and land loss rates will be exacerbated. The continued deterioration of Caminada Headland threatens thousands of acres of wetland habitat as well as critical infrastructure, including Port Fourchon, LA Highway 1, and the lower Lafourche levee system.

## Restoration Strategy

The goals of the project are to: 1) create and/or nourish approximately 900 acres back barrier marsh using sediments pumped from an offshore borrow site in the Gulf of Mexico; 2) create a platform upon which the beach and dune can migrate, reducing the likelihood of breaching, improving the longevity of the barrier shoreline, and protecting wetlands and infrastructure to the north and west. The project is expected to slow the current trend of degradation on the Caminada Headland.

This project was designed to create back barrier intertidal marsh and nourish emergent marsh behind approximately 8 miles of the Caminada beach using material dredged from the Gulf of Mexico. The project is expected to result in approximately 329 net acres over the 20-year project life. The marsh creation and nourishment cells are designed to minimize impacts on existing marsh and mangroves.



Dredged material from the Gulf of Mexico will be pumped into the project area to create and nourish approximately 900 acres of back barrier marsh behind 8 miles of the Caminada beach. The BA-171 project works synergistically with the state led Caminada Headland project (BA-45 and BA-143) which constructed dune and beach habitat in 2015 and 2016.

Assuming some natural vegetative recruitment, vegetative plantings are planned at a 50% density, with half planned at project Year 1 and half planned at project Year 3. Containment dikes will be degraded or gapped as needed by Year 3 to facilitate tidal flow.

## Progress to Date

The initial Caminada Headland Back Barrier Marsh Creation (BA-171) project was designed to create and nourish 385 acres of back barrier marsh south of Louisiana Highway 1 between Bay Champagne and areas east of Bayou Moreau. The CWPPRA Task Force approved construction funds in 2018. In April 2019, the project footprint was expanded to include Caminada Headland Back Barrier Marsh Creation, Increment II (BA-193) project from Priority Project List 25. Construction bids were opened January 2020. The Louisiana Department of Natural Resources beneficial use program contributed \$3M in funding adding 169 acres onto the eastern end of the project footprint. Construction began June 2020 and the project is scheduled for completion mid-2021.

The BA-171 project is on Priority Project List 23.

*For more information, please contact:*






### Federal Sponsor:

U.S. Environmental Protection Agency  
 Dallas, TX  
 (214) 665-8365

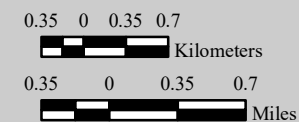
### Local Sponsor:

Coastal Protection and Restoration Authority  
 Baton Rouge, LA  
 (225) 342-4733

# Caminada Headlands Back Barrier Marsh Restoration (BA-171)

-  Marsh Creation \*
-  Marsh Nourishment \*
-  Project Boundary

\*denotes proposed features



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

Background Imagery:  
2012 DOQQ

Map Date: September 4, 2019  
Map ID: USGS-NWRC 2019-11-0029  
Data accurate as of: August 1, 2019



# COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

PROJECT STATUS REPORT as of 22-May-2023

## Caminada Headlands Back Barrier Marsh Creation

### PROJECT DATA

**PROJECT:** Caminada Headlands Back Barrier Marsh Creation

**PRIORITY LIST:** 23

**PROJECT NO:**

**CWPPRA NO:** BA-171

**DNR NO:** BA-171

**PROJECT TYPE:** Marsh Creation

**NET ACRES BENEFITTED:** 379

**REGION:** 0

**BASIN:** Barataria

**PARISH:** Lafourche

**LEAD AGENCY:** EPA

**LOCAL SPONSOR:** DEPT. OF NATURAL RESOURCES, STATE OF LA

### MILESTONES:

#### CSA EXECUTION:

#### DESIGN COMPLETION:

**CONSTRUCTION START:** 22-Feb-2018 ( Actual )

**CONSTRUCTION COMPLETION:** 12/31/2023 12:00:00 AM

#### ESCROW AMENDMENT

**No:**

#### MONITORING PLAN APPROVAL:

#### O and M PLAN APPROVAL:

#### DEAUTHORIZATION DATE:

#### CASH FLOW PROECTS:

**Phase 1 Approval:** 16-Jan-2014 ( Actual )

**Phase 2 Approval:** 09-Feb-2018 ( Actual )

### LEGISLATIVE DISTRICTS:

#### CONGRESSIONAL DISTRICT:

#### STATE SENATE DISTRICT:

#### STATE HOUSE DISTRICT:

Point of Contact:

ENVIRONMENTAL PROTECTION AGENCY  
REGION 6

Patricia Taylor

PHONES:

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# COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

PROJECT STATUS REPORT as of 22-May-2023

Caminada Headlands Back Barrier Marsh Creation

PROJECT LOCATION:

PROJECT DESCRIPTION:

PROJECT STATUS: (Project Status Last Updated: 01-Aug-2022 )

Jan 2014 - Phase 1 (E&D) approval; Jul 2016 - 30% design review; Oct 2016 - 95% design review; Feb 2018 - Phase 2 Approval (BA-171 footprint only \$19.7M); Apr 2019 - BA-193 footprint (\$5.6M CWPPRA funds added); Jan 2020 - Bid overrun (\$3M CWPPRA, \$3M LDNR funds added); Apr 2020 - Notice to Proceed issued to GLDD; Storms 2020 - Hurricane Zeta, physical impacts to project features; Apr 2021 - Storm repairs/bird season – schedule impacts; Aug 2021 - Hurricane Ida – physical impacts to project features; Jan 2022 - Task Force approves funds for hurricane repairs; Aug 2022 - dredging scheduled to begin

FUND STATUS:

The current project estimate is \$48,216,612 , which includes \$45,094,417 for construction first costs, and \$1,139,633 and \$1,982,562 for 20 years of monitoring and operations and maintenance, respectively.

[LaCoast.gov](https://lacoast.gov)

Project Managers' Technical Factsheet