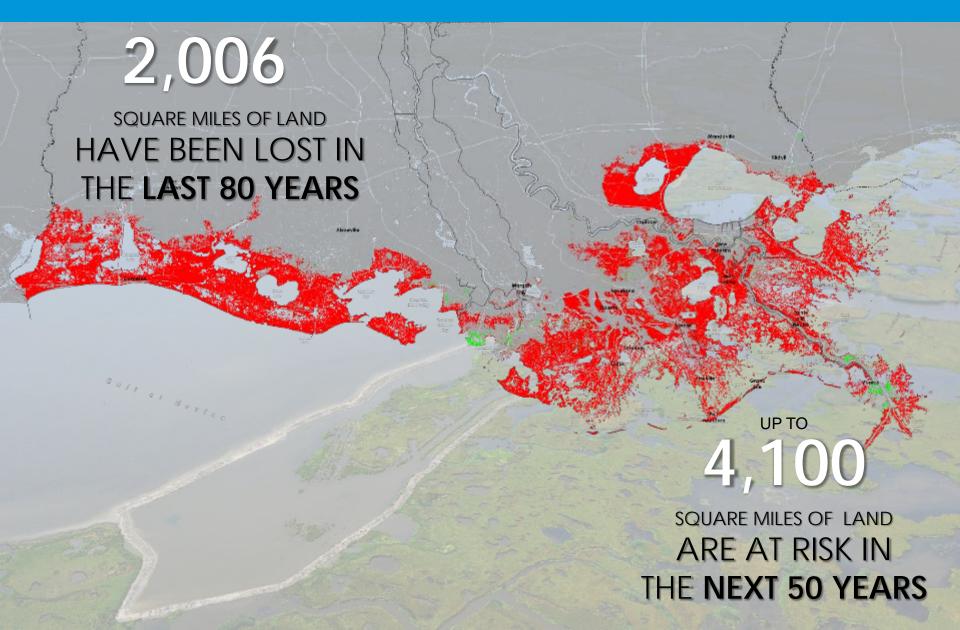


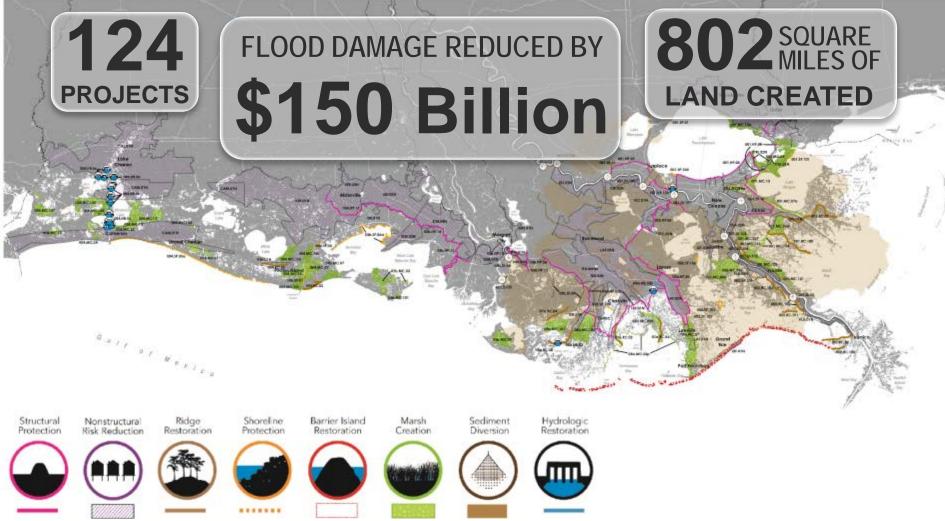
Louisiana's Coastal Emergency





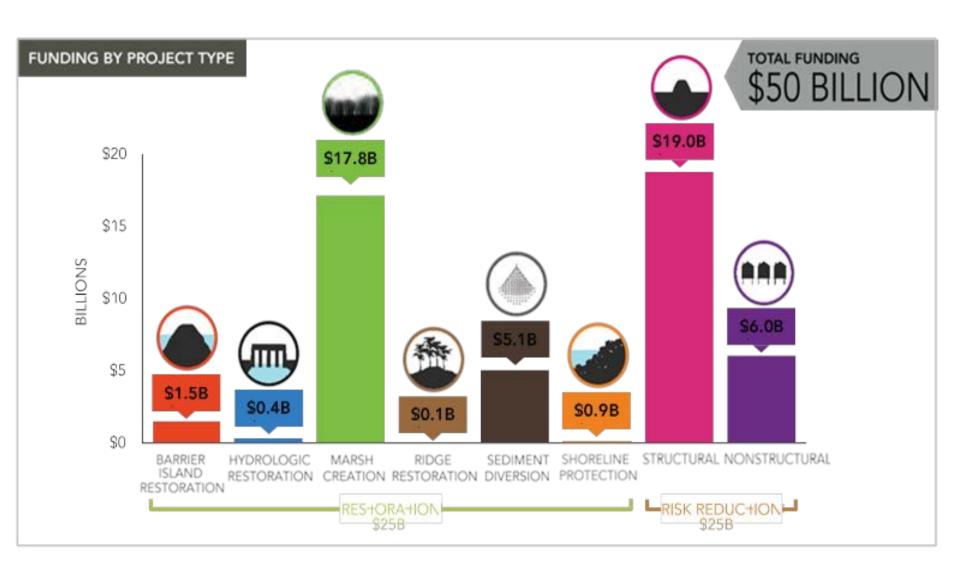
Louisiana's 2017 Coastal Master Plan





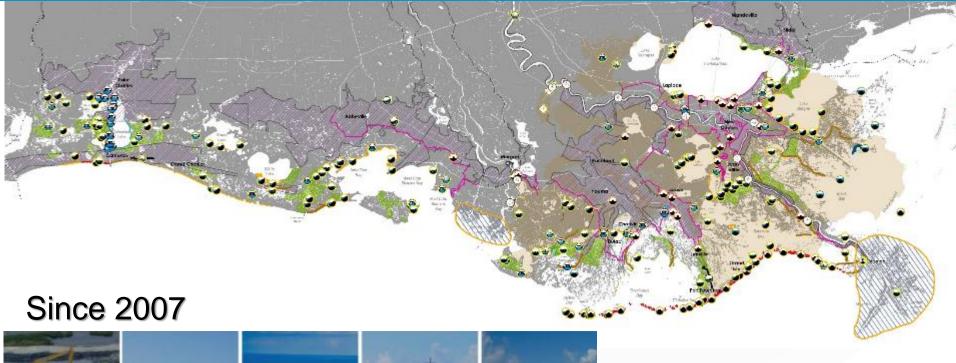
Small scale hydrologic restoration and oyster reef/living shoreline projects are included programmatically in the 2017 Coastal Master Plan. Consistency of individual projects will be determined on a case-by-case basis.

Our Plan



A Decade of Progress







Upcoming Construction 2019 and early 2020



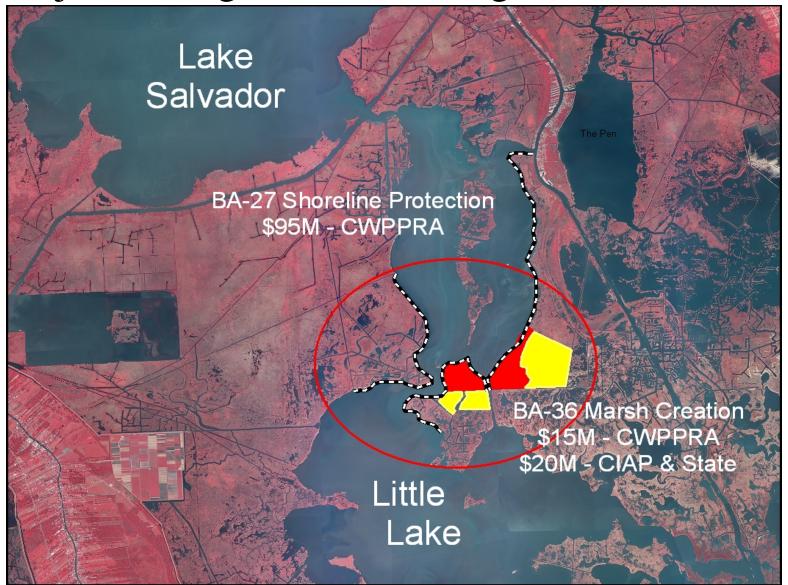


Northwest Turtle Bay Marsh Creation Project (BA-0125)

- Location: Jefferson Parish
- Borrow Location: Turtle Bay (Little Lake)
- **Project Area:** 807 Acres
- Containment Dike: 23,000 LF
- Fill Volume: 2.1 MCY
- **Cost:** \$15-\$20M
- Construction Duration: 475 days
- Bid Date: Early 2019



Project Background: Past Regional Investment



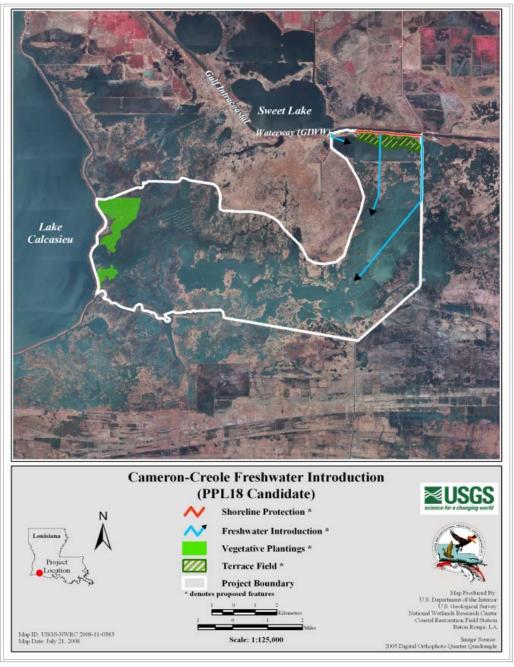
Cameron Creole Freshwater Introduction Project (CS-0049)

Project Location: Cameron Parish

Borrow Location: Montesano Canal

- Estimated Dredge Quantity: 300,000 CY (excavation of channel for structure)
- Estimated Terrace Length: 125,130 LF
- Estimated Advertisement Date: January 2019
- **Estimated Construction Duration:** 565 Days
- Estimated Construction Costs: \$15M-\$20M





Coastal Protection and Restoration Authority of Louisiana

Terrebonne Basin Barrier Island and Beach Nourishment (TE-0143)

• **Project Location:** Terrebonne Parish

• Borrow Location: Gulf of Mexico

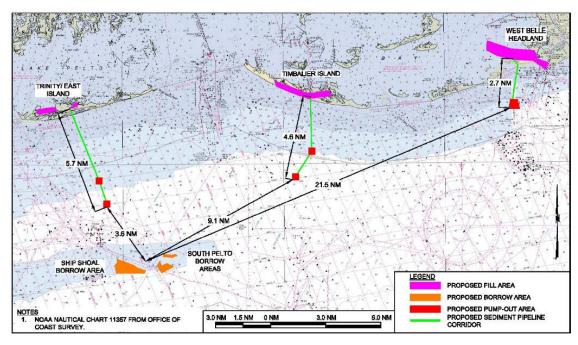
Beach Nourishment Dredge
 Quantity: 8.7 MCY

Timbalier Island: 3.1 MCY

Trinity/East Island: 2.2 MCY

West Belle Pass Headland: 3.4 MCY

- Marsh Creation Dredge Quantity:
 1.3 MCY
- Estimated Advertisement Date: July 2019
- Estimated Construction Duration: 780 Days
- Estimated Construction Costs: \$155M-\$160M



Queen Bess Island Restoration (BA-0202)

• **Project Location:** Jefferson Parish

Borrow Location: Quarry-Procured Sand

Restoration Area: 36 AC

Estimated Borrow Quantity: 0.5M CY

• Estimated Rock Quantities:

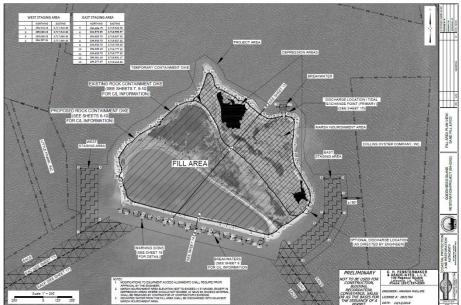
Limestone: 10K TON

• 250# Rip Rap: 25K TON (4K LF Dike, 1K LF Breakwater)

• Estimated Advertisement Date: Summer 2019

• Estimated Construction Duration: 145 Days

• Estimated Construction Costs: \$10M-\$15M





Cameron Meadows Marsh Creation Project (CS-66)

• **Project Location:** Cameron Parish

Borrow Location: Gulf of Mexico

Marsh Creation Area: 304 Acres

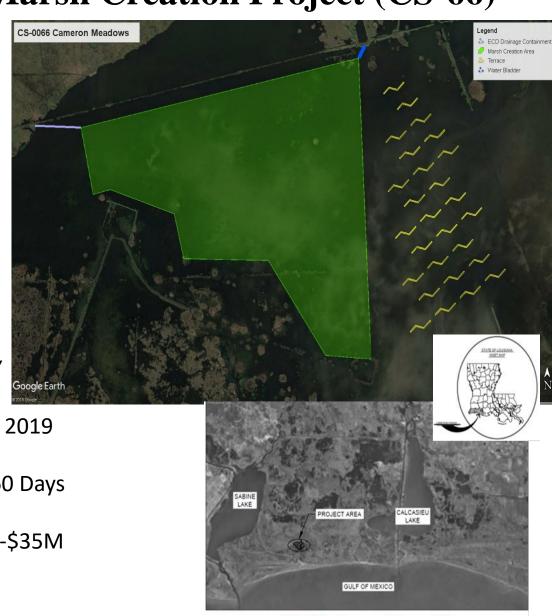
• **Terracing:** 12,150 LF

Estimated Dredge Quantity: 2.6 MCY

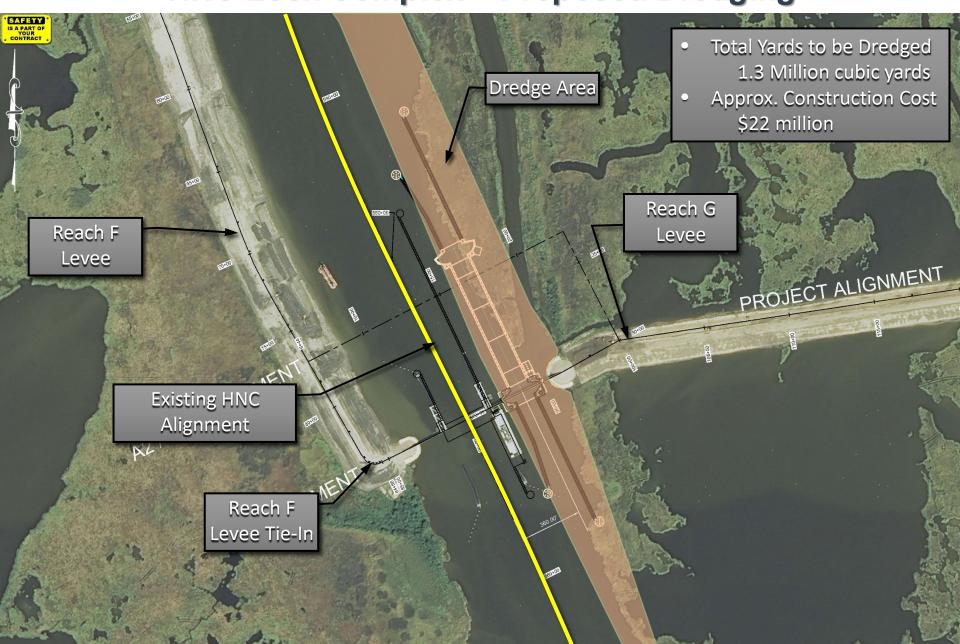
Estimated Advertisement Date: May 2019

• Estimated Construction Duration: 360 Days

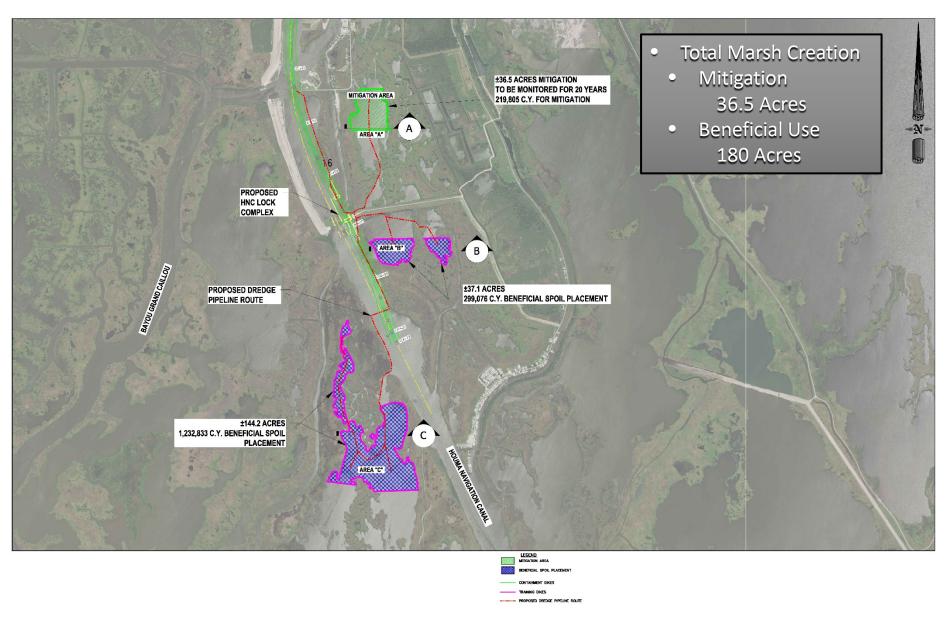
Estimated Construction Costs: \$30M-\$35M



HNC Lock Complex – Proposed Dredging



HNC Lock Complex – Proposed Disposal



Caminada Headland Back Barrier Marsh Creation Project Increment 1 (BA-0171)

• **Project Location:** Lafourche Parish

• Borrow Location: Gulf of Mexico

Marsh Creation Area: 385 Acres

Estimated Dredge Quantity: 1.6 MCY

• Estimated Advertisement Date: November 2019

• Estimated Construction Duration: 385 Days

• **Estimated Construction Costs:** \$10M-\$15M



Project Competing for Construction Funding



Construction in late 2019 or 2020



Caminada Headland Back Barrier Marsh Creation Project Increment 2 (BA-0193)

• **Project Location:** Lafourche and Jefferson Parish

Borrow Location: Gulf of Mexico

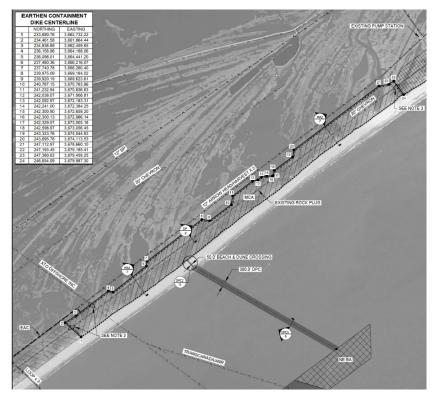
Marsh Creation Area: 542 Acres

• Estimated Dredge Quantity: 1.6 MCY

• Estimated Advertisement Date: November 2019 (contingent upon receiving construction funding)

• **Estimated Construction Duration:** 325 Days

• **Estimated Construction Costs:** \$10M-\$15M



West Fourchon March Creation & Nourishment Project (TE-134)

• Location: Lafourche Parish

 Borrow Location: Nearshore Gulf of Mexico

• **Project Area:** 537 Acres

Containment Dike: 36,000 LF

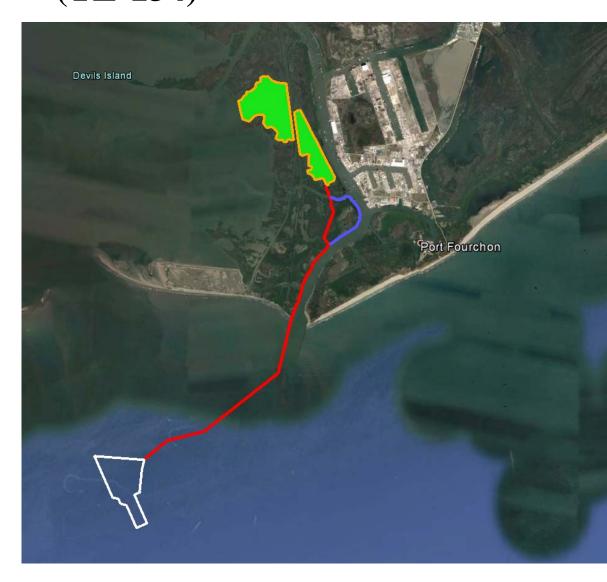
• **Fill Volume:** 1.6 MCY

• **Cost:** \$15-\$20M

• Construction Duration: 425

days

 Competing for Construction Funding Early 2019



New Orleans Landbridge Shoreline Stabilization & Marsh Creation (PO-169)

• Location: Orleans Parish

Borrow Locations: Lakes
 Pontchartrain and St. Catherine

• **Project Area:** 269 Acres

• Containment Dike: 30,240 LF

• **Armored ECD:** 15,670 LF

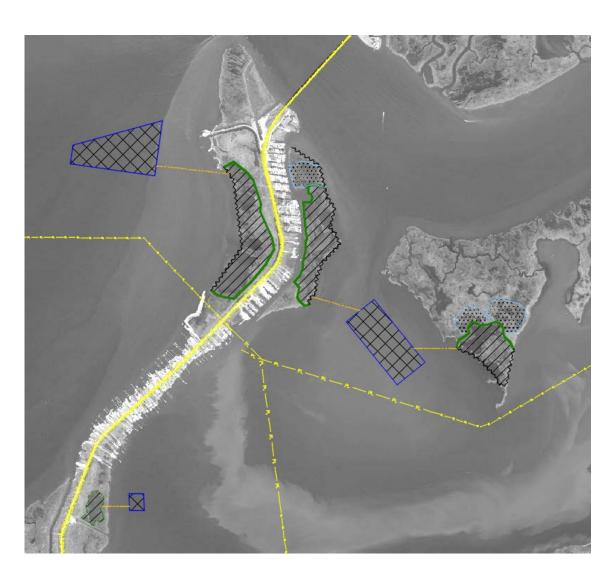
Fill Volume: 1.3 MCY

• **Cost:** \$15-\$20M

• Construction Duration: 385

days

 Bid Date: (contingent upon receiving construction funding)



Terracing and Marsh Creation South of Big Mar (BS-0024)

Project Location: Plaquemines Parish

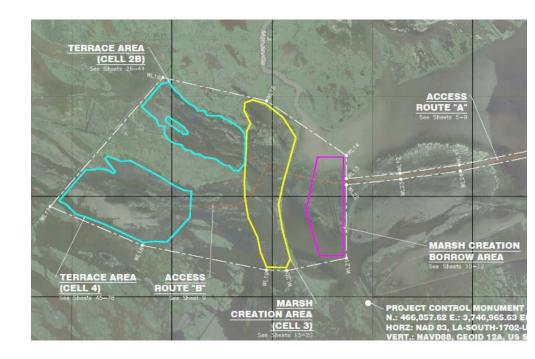
• Borrow Location: Lake Lery

Marsh Creation Area: 334 Acres

• Estimated Dredge Quantity: 4.1 MCY

Estimated Terrace Length: 68,484 LF

• Estimated Advertisement Date: 2019* (contingent upon construction funding)

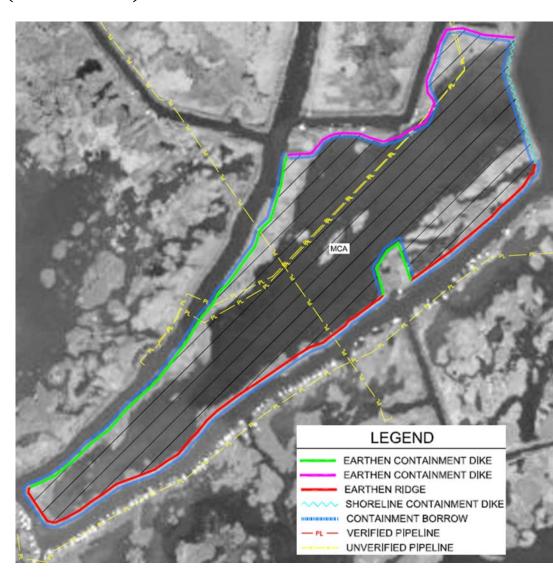


• Estimated Construction Duration: 875 Days

Estimated Construction Costs: \$25M-\$30M

Bayou De Cade Ridge and Marsh Creation Project (TE-138)

- **Project Location:** Terrebonne Parish
- Borrow Location: Lake De Cade
- Marsh Creation Area: 473 Acres
- Estimated Dredge Quantity: 2.7 MCY
- Estimated Earthen Ridge: 11,130 LF
- **Bid Date:** 2020* (contingent upon construction funding)
- Estimated Construction Costs: \$20M



Phase 0 Concept

Creation and/or Nourishment of 504 Acres of Marsh

Creation of 11,726 Linear Feet of Ridge Habitat

83.8% Water: 16.2% Land



Bayou Decade Ridge and Marsh Creation

(TE-138)

Bayou Grand Cheniere Marsh & Ridge Restoration(BA-173)

Location: Plaquemines
 Parish

 Borrow Location: Mississippi River

• **Project Area:** 302 Acres

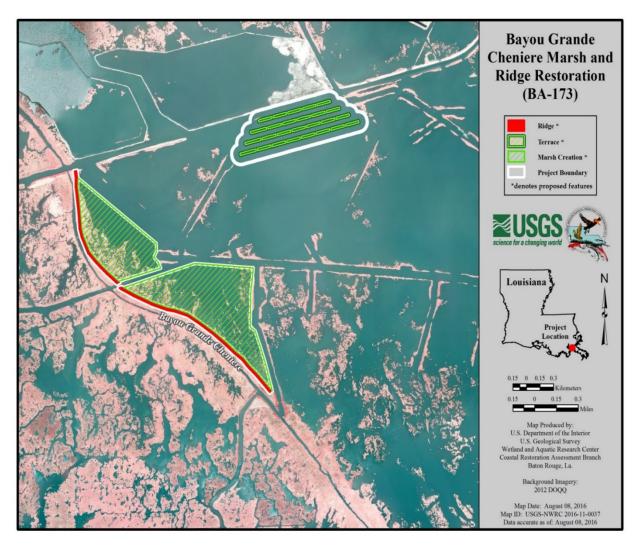
• Earthen Ridge: 10,625 LF

• Fill Volume: 2.25 MCY

• **Terracing:** 17,000 LF

• **Cost:** \$25-\$30M

 Bid Date: (contingent upon receiving construction funding)



LaBranche East Marsh Creation Project (PO-75)

• Location: St. Charles Parish

• Borrow Location: Lake Pontchartrain

• **Project Area:** 726 Acres

• Containment Dike: 22,000 LF

Fill Volume: 6.7 MCY

• Tidal Channels: 3,275 LF

Tidal Ponds: 13 – 1 acre ponds

Cost: \$35-\$40M

• **Construction Duration:** 330 days

Bid Date: (contingent upon received)
 construction funding)





Other Future Construction





Other Future Construction



Large Scale Barataria Marsh Creation (BA-207)

NRDA; 1,400 Acres; Mid-2020

Barataria Basin Ridge & Marsh Creation – Spanish Pass Increment (BA-203)

NRDA; 1,250 Acres; Mid-2020

Rabbit Island Restoration Project (CS-80)

NRDA; 200 Acres; Fall 2020

Lake Borgne Marsh Creation – Increment 1 (PO-180)

NRDA; 1,550 Acres; Late 2020

Golden Triangle Marsh Creation (PO-163)

Restore; 600 Acres; 2021 (late 2020 if NRDA)

West Grand Terre Beach Nourishment & Stabilization (BA-197)

Restore; 301 Acres; 2021 (late 2020 if NRDA)

