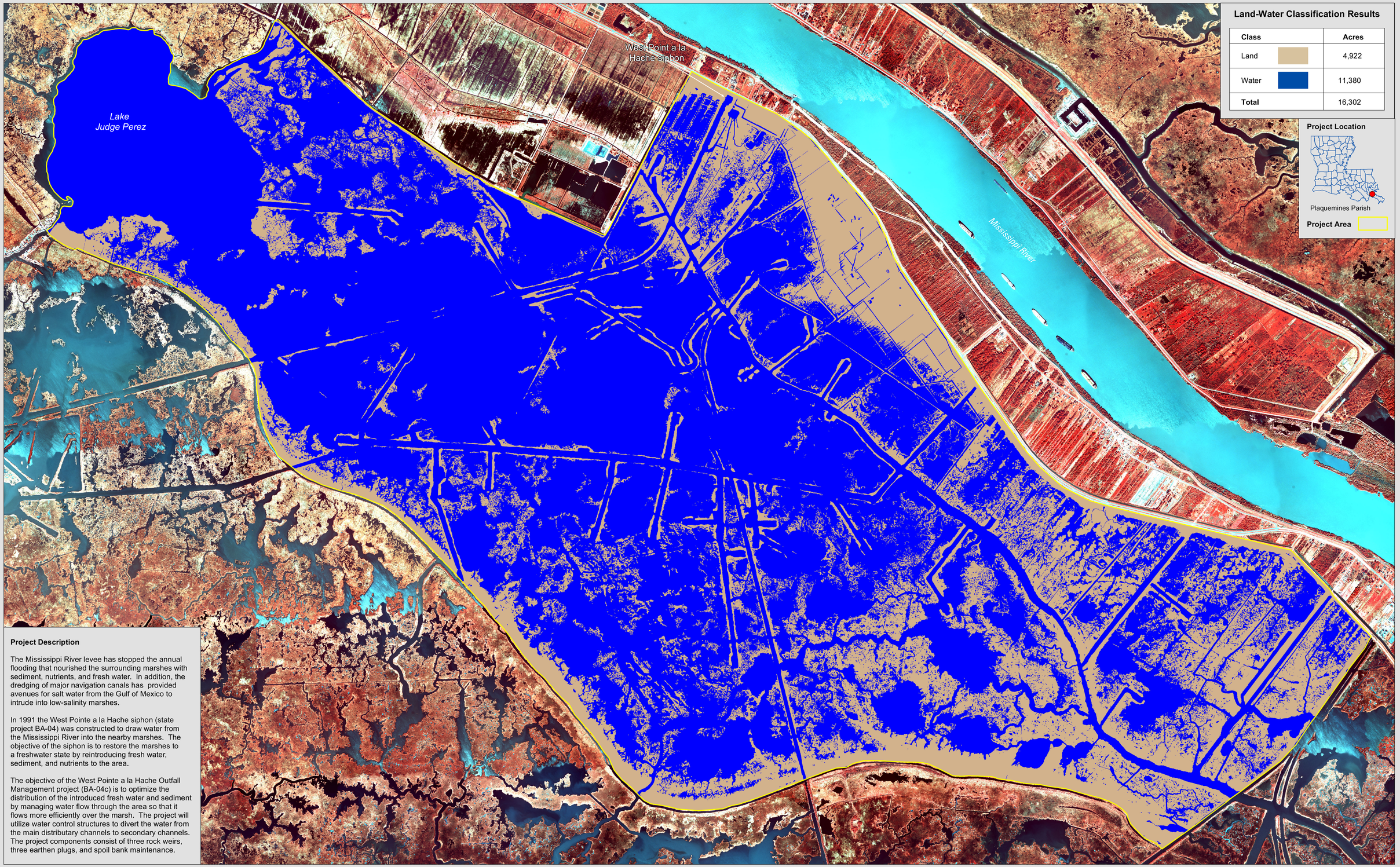
West Pointe a la Hache Outfall Management (BA-04c)

Coastal Wetlands Planning, Protection and Restoration Act

2009 Land-Water Classification

USGS science for a changing world

CPRA Coastal Protection and Restoration Authority of Louisiana



Land-Water Classification Results

Class	Acres
Land	4,922
Water	11,380
Total	16,302

Project Location

Plaquemines Parish

Project Area

Project Description

The Mississippi River levee has stopped the annual flooding that nourished the surrounding marshes with sediment, nutrients, and fresh water. In addition, the dredging of major navigation canals has provided avenues for salt water from the Gulf of Mexico to intrude into low-salinity marshes.

In 1991 the West Pointe a la Hache siphon (state project BA-04) was constructed to draw water from the Mississippi River into the nearby marshes. The objective of the siphon is to restore the marshes to a freshwater state by reintroducing fresh water, sediment, and nutrients to the area.

The objective of the West Pointe a la Hache Outfall Management project (BA-04c) is to optimize the distribution of the introduced fresh water and sediment by managing water flow through the area so that it flows more efficiently over the marsh. The project will utilize water control structures to divert the water from the main distributary channels to secondary channels. The project components consist of three rock weirs, three earthen plugs, and spoil bank maintenance.

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Data Information:

The land-water data were obtained from 1:12,000 scale color infrared aerial photography obtained December 19, 2009. All areas characterized by emergent vegetation, wetland forest, scrub-shrub, and upland were classified as land, while open water, mud flats, and aquatic beds were classified as water.

Scale: 1:12,000

1 0 1 2 Miles

1 0 1 2 3 Kilometers

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Federal Sponsor:
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NRCS

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