

Chandeleur Islands Marsh Restoration (PO-27)

Bent Mangrove Site

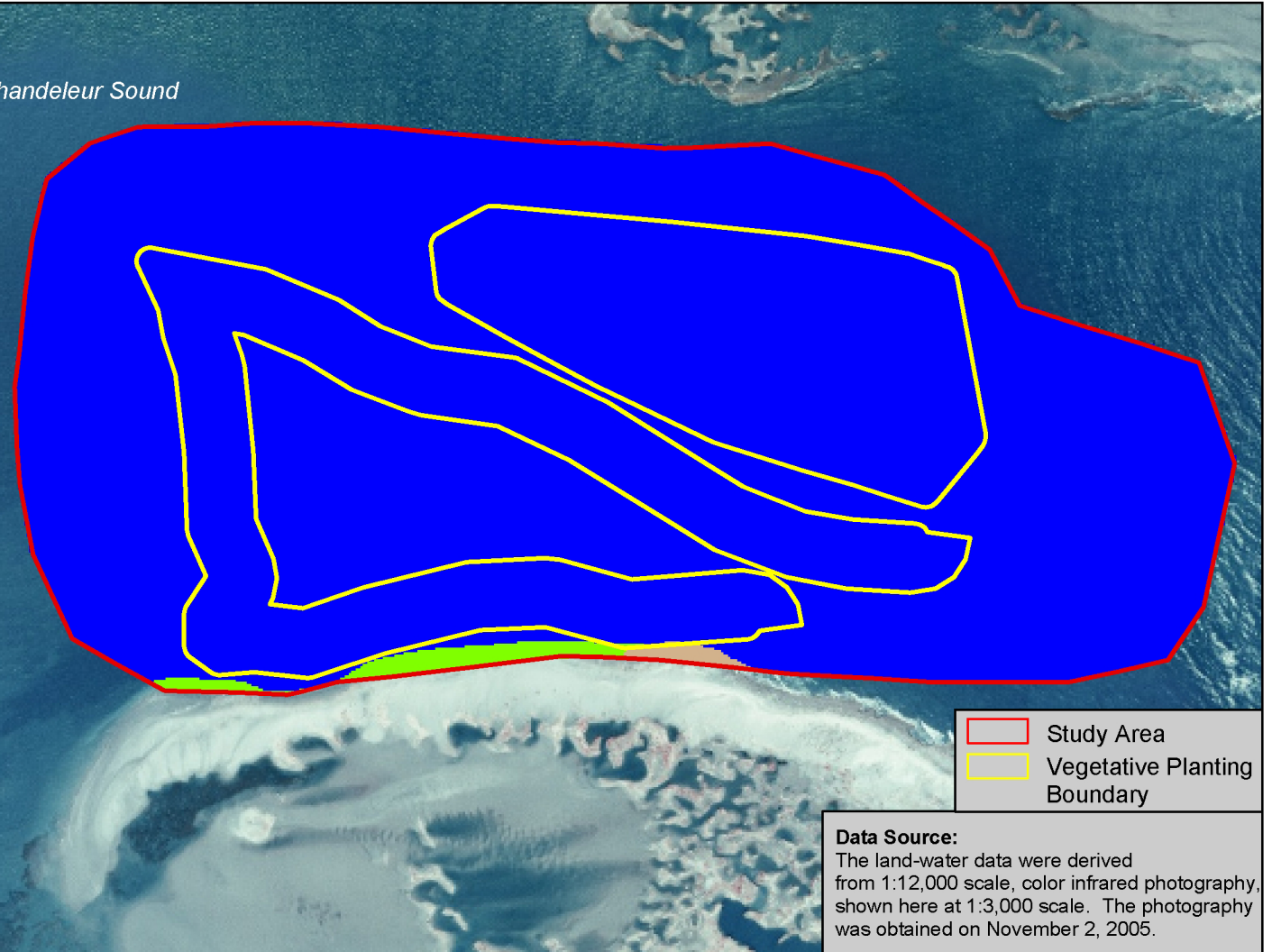
Coastal Wetlands Planning, Protection and Restoration Act

2005 Land-Water Analysis



Class	Site Acres
Water	27.6
Irregularly Exposed	0.0
Regularly Flooded	0.3
Irregularly Flooded	0.0
Land	0.1
Total	28.0

Chandeleur Sound

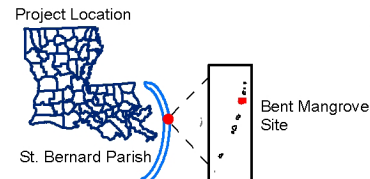
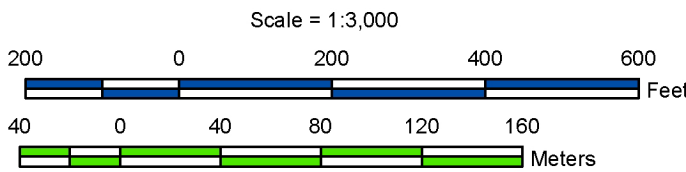


- Study Area
- Vegetative Planting Boundary

Data Source:
The land-water data were derived from 1:12,000 scale, color infrared photography, shown here at 1:3,000 scale. The photography was obtained on November 2, 2005.

Project Information:
Marsh restoration strategies at the Chandeleur Islands Marsh Restoration (PO-27) project area included vegetative plantings of smooth cordgrass (*Spartina alterniflora*) at 10 overwash fan sites. The Bent Mangrove study area is one of these sites.
All areas characterized by emergent vegetation, wetland forest, or scrub-shrub were classified as land, while open water, unvegetated mudflats, and aquatic beds were classified as water. In addition, tidal water regime modifiers based on time and duration of flooding were included. Irregularly flooded areas were classified as tidal water that floods land surface less often than daily. Irregularly exposed areas were classified as land surface that is exposed by tides less often than daily. Regularly flooded areas were classified as tidal water that alternately floods and exposes the land surface at least once daily. Due to tidal fluctuation, water classes are based on water levels at the time of flight. The water regime classification is modified from "Classification of wetlands and deepwater habitats of the United States" (Cowardin and others, 1979).

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