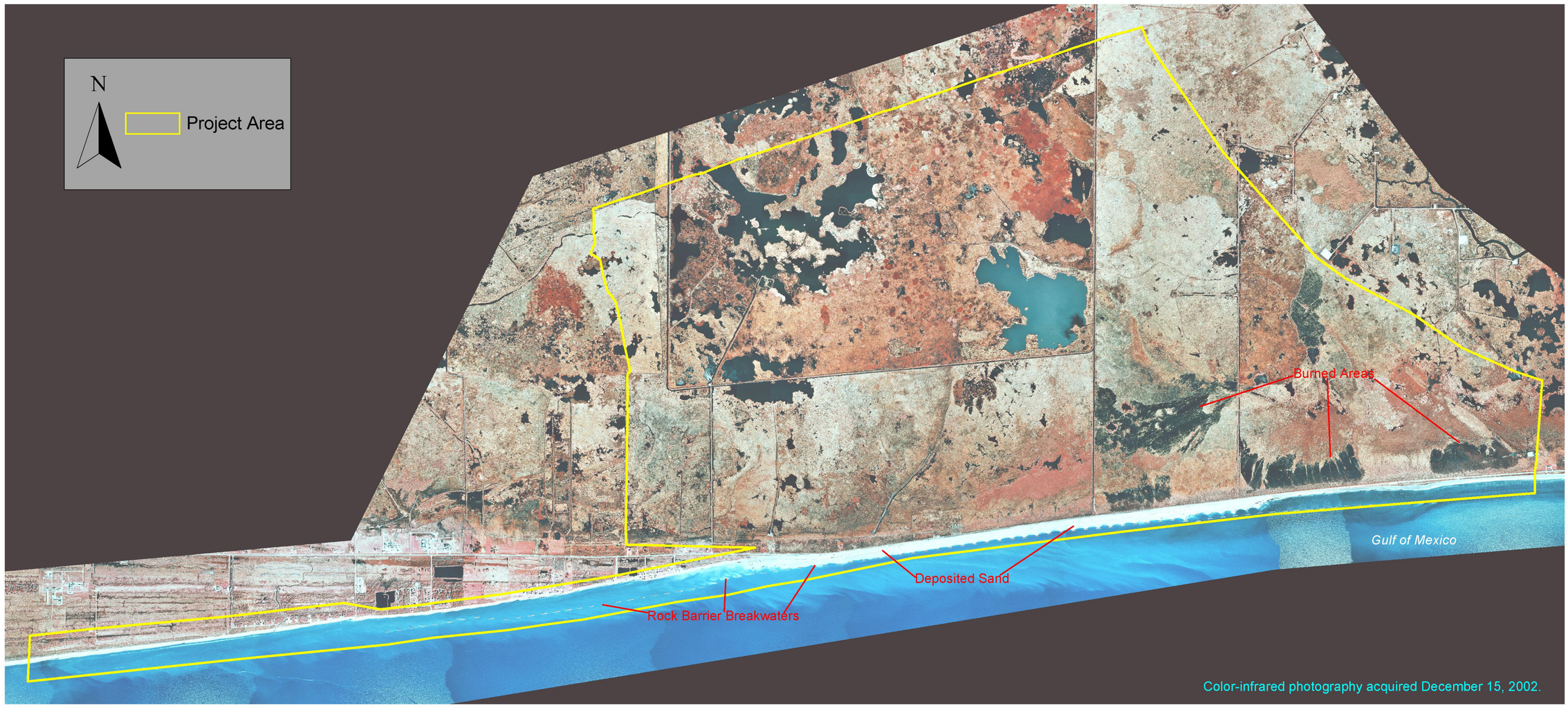
Holly Beach Sand Management (CS-31)

Coastal Wetlands Planning, Protection and Restoration Act

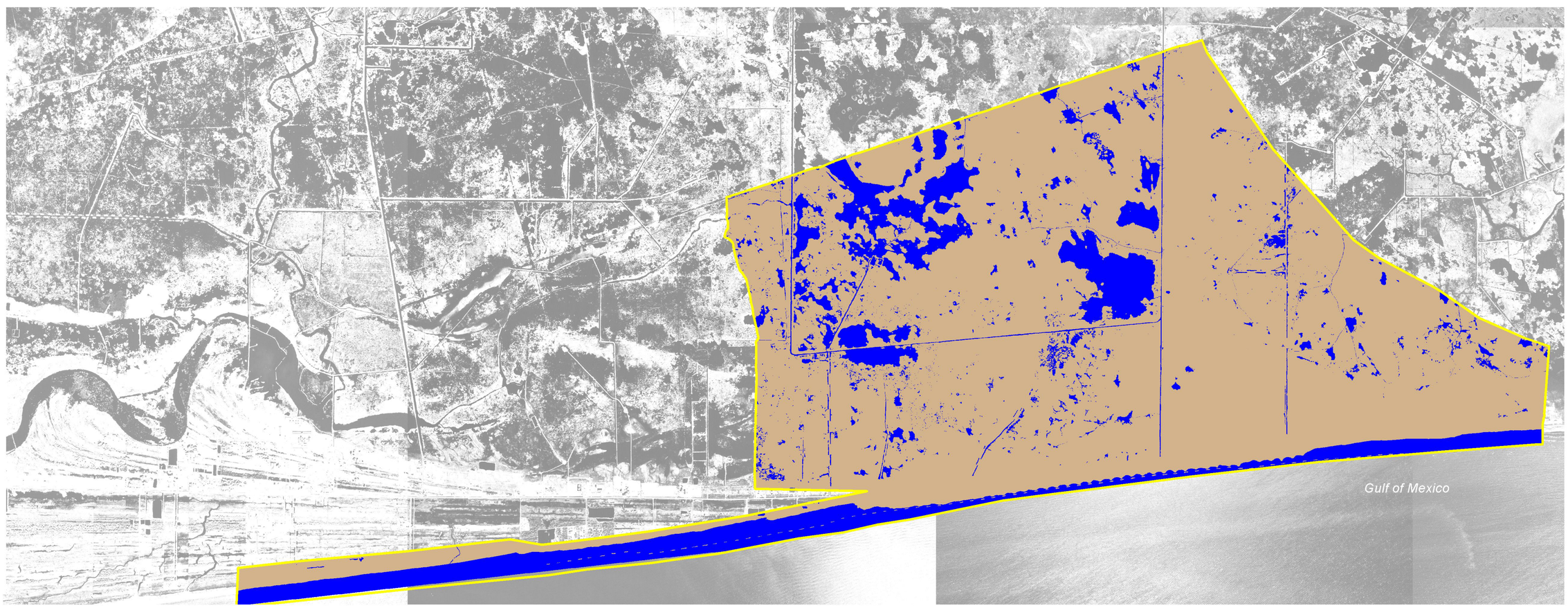
2002 Land-Water Analysis



Project Description:
The Holly Beach Sand Management project area is located on the Gulf of Mexico shoreline of southwestern Louisiana, west of Calcasieu Pass in Cameron Parish. The project area comprises of approximately 10,800 acres, of which 8,900 acres are classified as wetlands. Chronic erosion in this area is currently caused by a deficit of sand and sediment in the littoral transport system; this deficit is due to stabilization of the Mississippi River and regulation of the Atchafalaya River to the east.

The goals of this project include (1) protecting approximately 8,600 acres of existing low energy, intermediate and brackish wetlands north of the beach ridge between Holly Beach and Constance Beach, (2) as well as protecting approximately 300 acres of beach dune and coastal chenier habitat along the shoreline from erosion and degradation caused by high energy wave action from the Gulf of Mexico. The project design includes several components. First, there will be several modifications to the existing breakwaters, including extensions,and removals and raising crests. Next, there will be construction of a berm in shallow water along the beach, and sand will be pumped in along the shoreline to elevate and prograde the beach seaward. In addition, to stabilize the constructed dune, sand fencing and vegetative planting will be placed along the Holly Beach shoreline.

Class	Project Acres	% Acres
Land	8,938	83
Water	1,863	17
Total	**10,801**	**100**



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Coastal Restoration Division
Lafayette Field Office

Scale = 1:30,000

2 0 2 4 Miles

2 0 2 4 6 8 Kilometers

Source:
Land-water data were obtained from 1:12,000- scale color-infrared photography, acquired December 15, 2002.
All areas characterized by emergent vegetation, wetland forest, or scrub-shrub were classified as land, whereas open water, unvegetated mudflats, and aquatic beds were classified as water.
The data were overlaid on a 1998 Digital Ortho Photo Quadrangle.

Federal Sponsor:
U.S. Department of Agriculture
Natural Resources Conservation Service

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