

It may cost \$14 billion or more to restore Louisiana's coast; however, roughly \$100 billion. Our nation at expense put the cost of remediation at roughly \$100 billion. Our nation at production, commerce and shipping, oil and gas distribution, and seafood harvests. If these natural resources vanish, a part of America's prosperity will be lost.



Photo: Charlie Hobson

For the people who call south Louisiana home, the cost of doing business in high price tag. A family and friends; hunting and fishing; cooking and community.

Mardi Gras has deeper roots than parades and parties. It is a pageant of family and friends; hunting and fishing; cooking and community.

Cultural heritage made famous by tourism is a high price tag. A

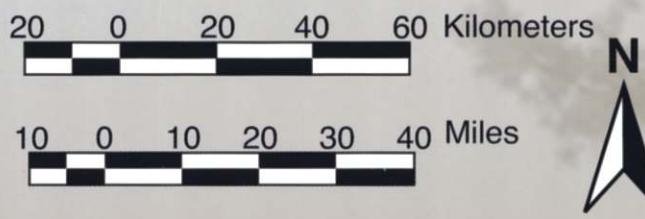
Louisiana's wetlands, the cost of doing business in high price tag.

Since 1990, CWPRA projects have created or

protected thousands of acres of land along

the coast of land along

Over 100 Years of Land Change for Coastal Louisiana



Land Loss 1932 - 2000

Predicted Land Loss 2000 - 2050

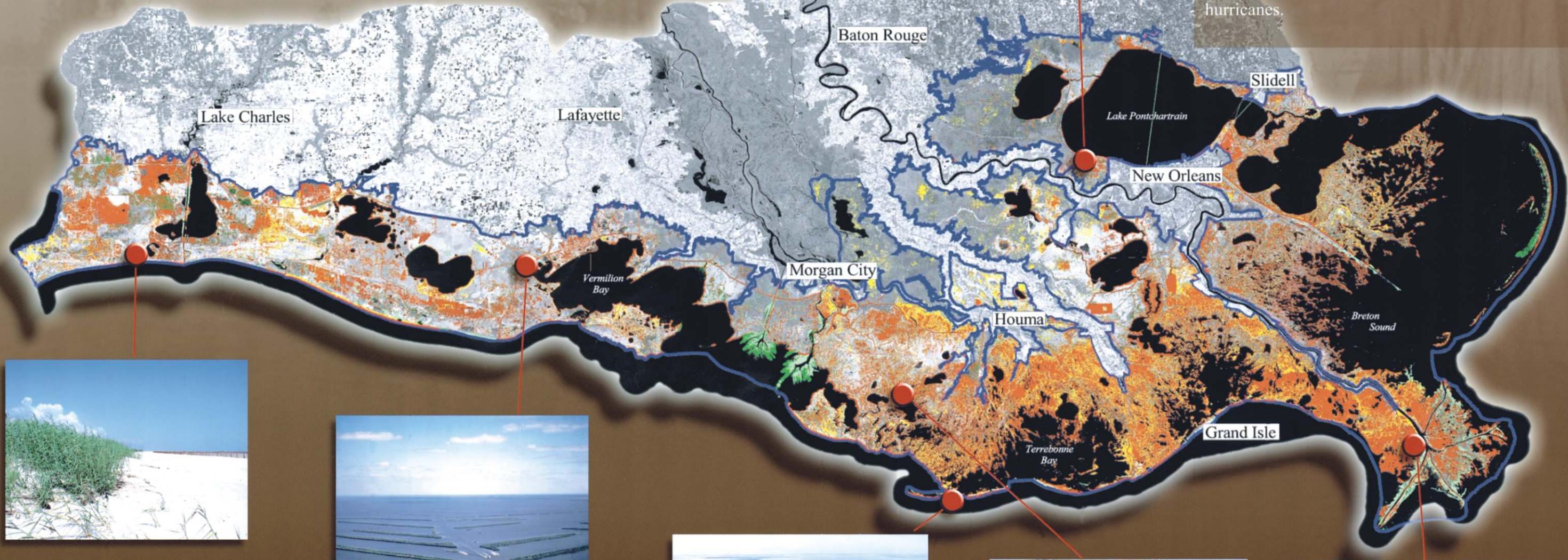
Land Gain 1932 - 2000

Predicted Land Gain 2000 - 2050

Louisiana Land Change Study Boundary



In the past century, Louisiana has lost more than 1,900 square miles of coastal land, an area roughly the size of Delaware. By 2050, without further intervention, the national landscape could lose another 700 square miles from this valuable ecosystem, which supports the nation's oil and gas production, seafood harvest and shipping industry. As the first line of defense against the implosion of this ecosystem, the Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA) has constructed more than 60 projects expected to benefit 74,000 acres of coastal landscape while building a framework for long-term solutions to save "America's Wetland." The CWPPRA projects highlighted below illustrate various restoration techniques implemented to combat land loss throughout the coastal zone.



Holly Beach Sand Management (CS-31)

Project area - 8,901 acres

Net benefit after 20 years -

330 acres

Cost - \$19.3 million

The goals for the Holly Beach shoreline protection project are to protect roughly 8,000 acres of marsh wetlands and to create and protect about 300 acres of beach dune along the shore. More than 1.7 million cubic yards of sand deposited on the beach will be protected by an existing rock breakwater system. Homes, businesses, coastal marshes and the area's only hurricane evacuation route were at risk because of chronic shoreline erosion. Holly Beach represents the largest beach shoreline protection project in the country.

Little Vermilion Bay Sediment Trapping (TV-12)

Project area - 964 acres

Net benefit after 20 years -

441 acres

Cost - \$894,000

Terracing is one of the newest techniques in coastal restoration and has become an economical approach to direct marsh creation. This project is one of many similar projects in coastal Louisiana and involved the creation of over 23,300 linear feet of earthen, vegetative terraces. In addition to creating marsh, this project is trapping sediment which will help sustain the terraces and promote additional marsh growth.

Whiskey Island Restoration (TE-27)

Project area - 4,926 acres

Net benefit after 20 years -

1,239 acres

Cost - \$7.7 million

Without restoration efforts, Whiskey Island was expected to be lost by 2007. The plan for this CWPPRA project included the creation of 657 acres of back island marsh using material dredged from the bay north of the island. Sediment was pumped to restore 3.2 miles of the island. Projects such as this do not only extend the life of valuable island habitat, but also represent the first line of defense against coastal erosion.

North Lake Merchant Landbridge Restoration (TE-44)

Project area - 8,877 acres

Net benefit after 20 years -

604 acres

Cost - \$26 million

This project illustrates how several techniques may be combined to address restoration needs within an area. Located in Terrebonne Parish, this area suffers from subsidence, saltwater intrusion, and shoreline erosion. This project will help to turn the tide on wetland loss.

West Bay Sediment Diversion (MR-03)

Project area - 12,910 acres

Net benefit after 20 years -

9,831 acres

Cost - \$22.3 million

To rehabilitate declining wetlands in West Bay, fresh water and sediment from the Mississippi River is being reintroduced to the area using a conveyance channel. Dredged material from the construction of the conveyance channel has been deposited in the diversion's outfall area to rebuild the dying wetlands in this large-scale sediment diversion project completed by the CWPPRA task force in 2003.