



The Dynamic Gulf Coast

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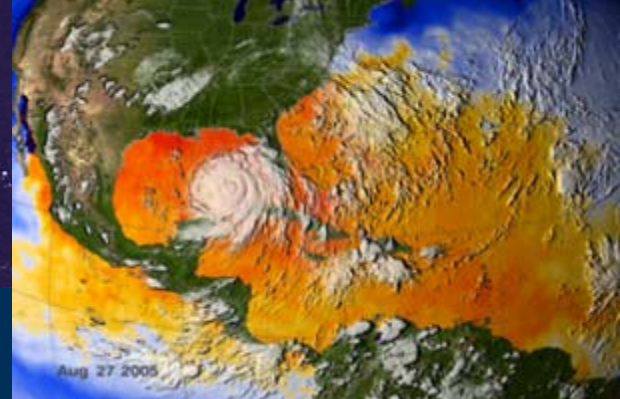
21 May 2010

A Diverse and Valuable Ecosystem

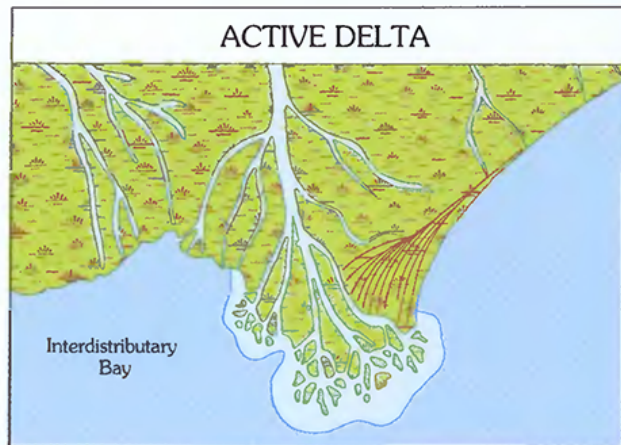




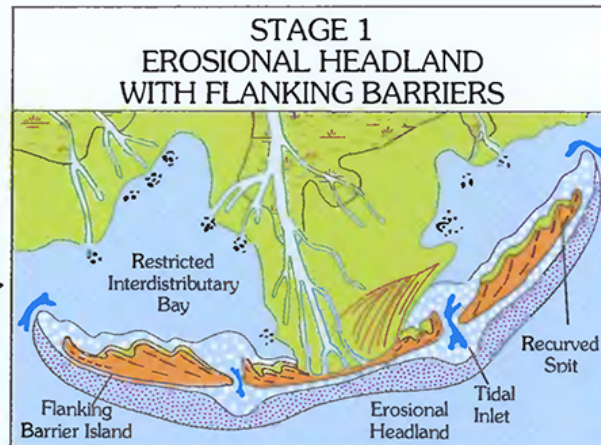
The Mississippi River: *Defining the Gulf Coast*



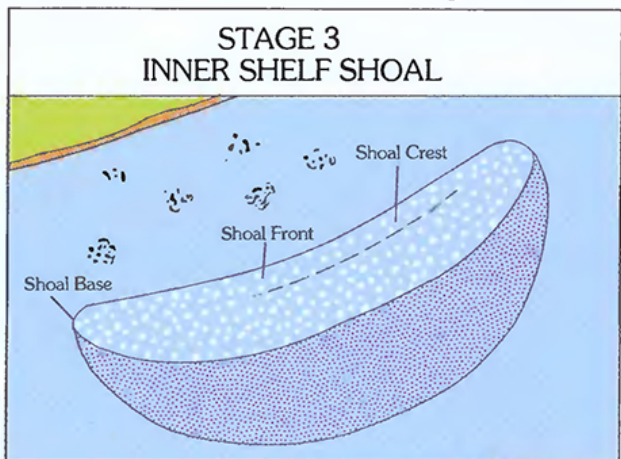
The Gulf Coast: *As the River Shifts*



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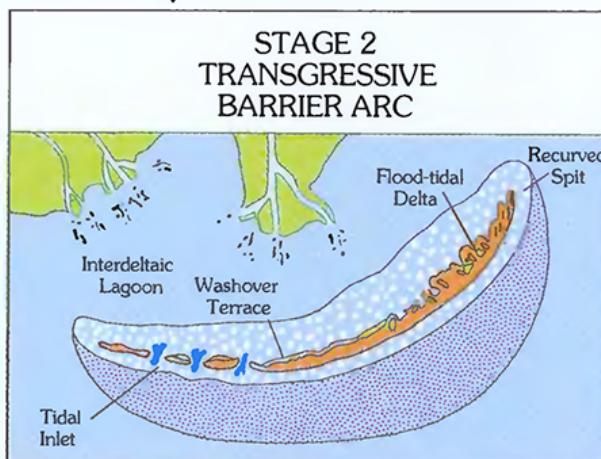


Submergence



Reoccupation








Submergence



REGRESSIVE ENVIRONMENTS

-  Distributary
-  Fresh Marsh
-  Beach Ridges

TRANSGRESSIVE ENVIRONMENTS

-  Subaerial Barrier
-  Subaqueous Barrier
-  Sand Sheet
-  Saltwater Marsh
-  Recurved Spits
-  Shell Reefs
-  Tidal Inlet

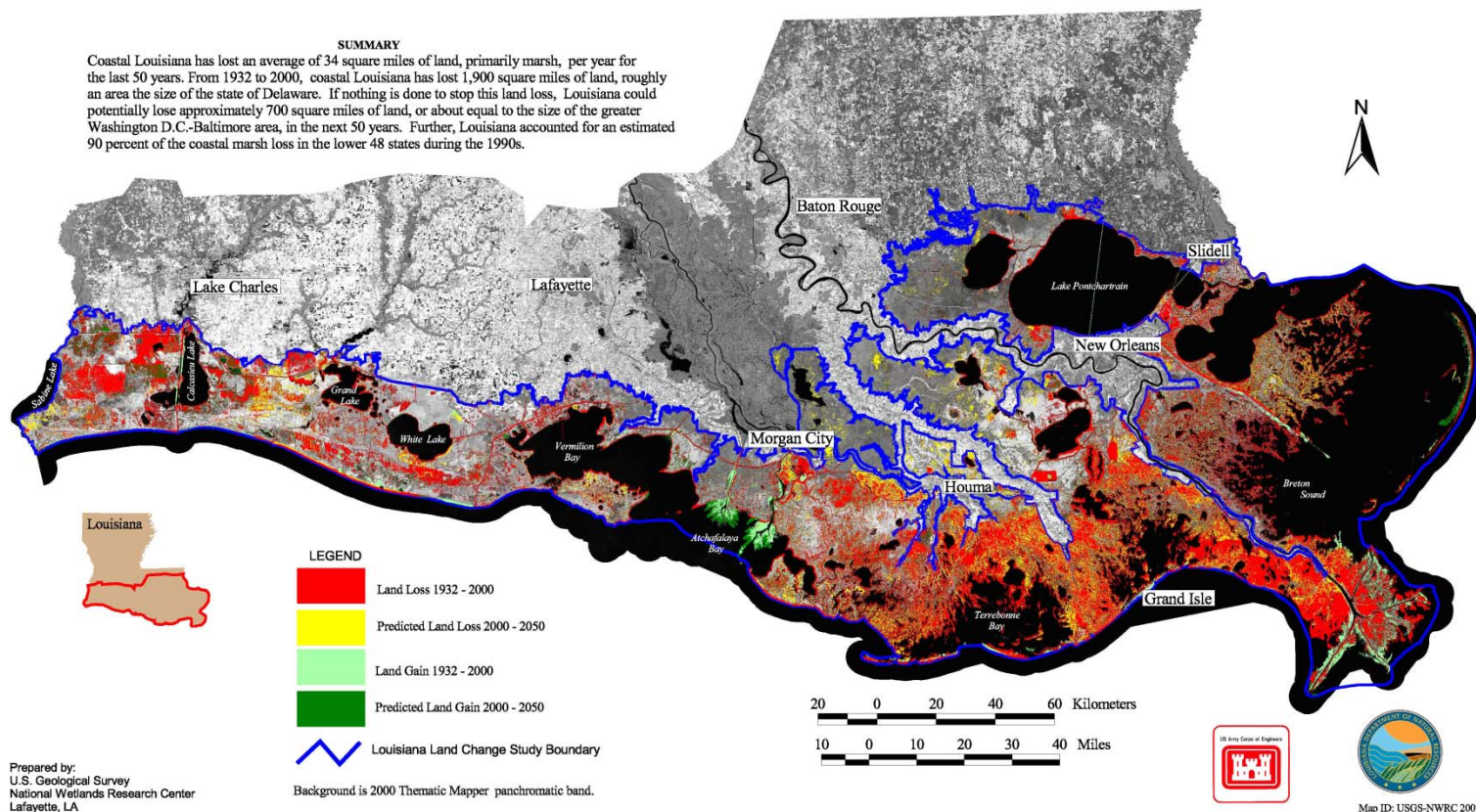
The Gulf Coast: *As the River Shifts*



100+ Years of Land Change for Coastal Louisiana

SUMMARY

Coastal Louisiana has lost an average of 34 square miles of land, primarily marsh, per year for the last 50 years. From 1932 to 2000, coastal Louisiana has lost 1,900 square miles of land, roughly an area the size of the state of Delaware. If nothing is done to stop this land loss, Louisiana could potentially lose approximately 700 square miles of land, or about equal to the size of the greater Washington D.C.-Baltimore area, in the next 50 years. Further, Louisiana accounted for an estimated 90 percent of the coastal marsh loss in the lower 48 states during the 1990s.



Consequences for the Gulf Coast: *Subsidence, Sediment Supply, Storms*

