Partnership and Collaboration: A Strategy For Success

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Ecosystem or River Restoration Partnerships

 This presentation was one of a group of presentations that were going to examine how federal agencies were partnering on restoration projects.

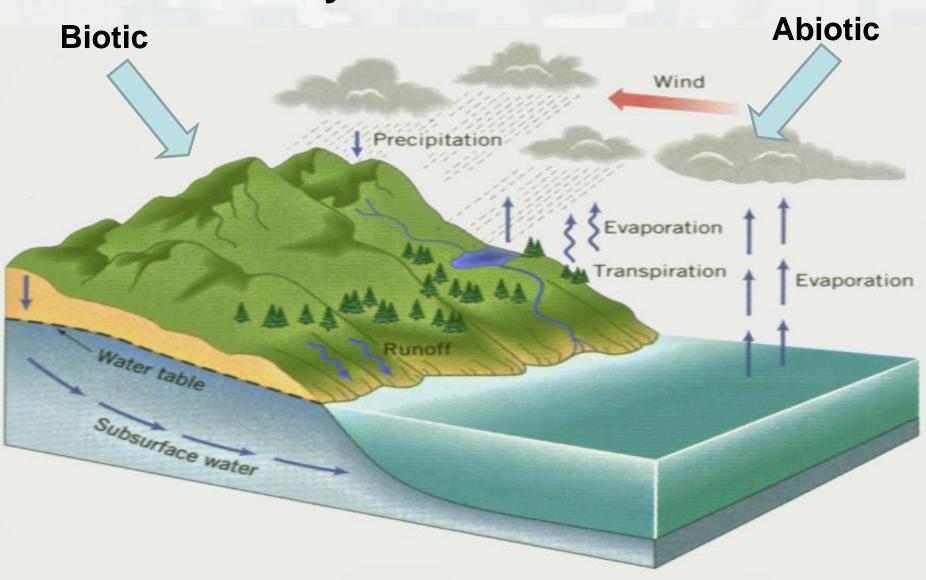
• Due to the sequestration that has occurred this is the only paper being presented.

• Many of the activities that I will discuss have applications to a wide range of organization.

 The problem that has occurred with government participation at this conference and others is an example of the difficulties that are occurring in restoration activities and why we need partnerships to bridge difficult times.



Ecosystem Restoration



United States

- 235,000 Miles Channelized Stream in U.S.
- 50% Wetlands Reduction Nationwide
- 98% Riparian Habitat Loss in SW
- 40% Water Bodies Fail WQ Standards
- 1350 T&E Species (43% use wetlands)
- Increasing numbers of invasive species (~40% use aquatic habitats)
- 78,000 large dams in U.S.
- Impounded water 5X free-flowing water



Water Resources Development Act of 1986 Ecosystem Restoration Mission

Restore significant ecosystem *function, structure, and dynamic processes* that have been degraded

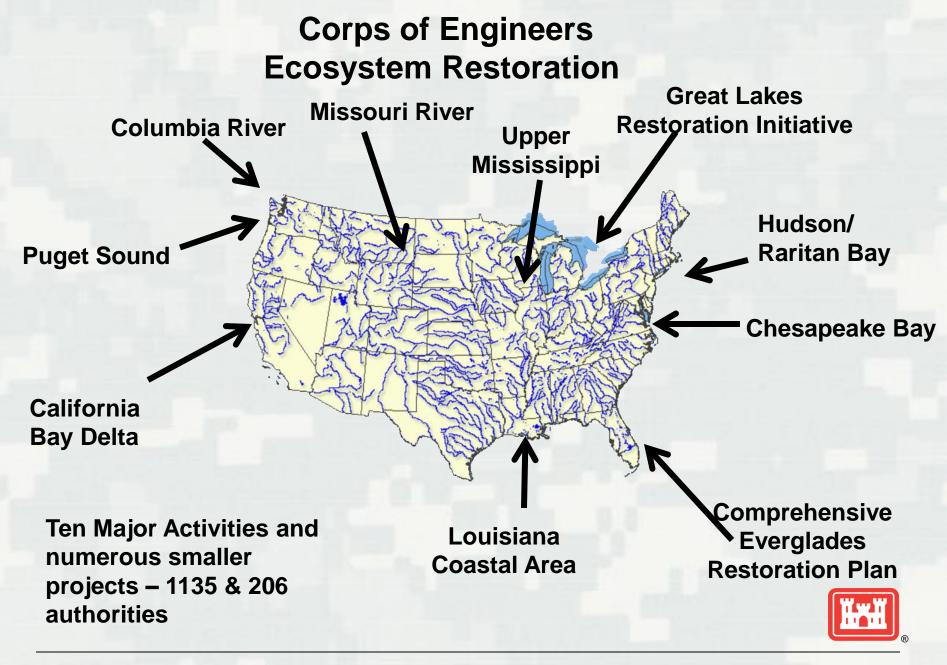
• Comprehensive examination of problems contributing to significant degradation

Develop alternative means for their solution

 Partially or fully reestablish attributes of a *naturalistic, function,* and self-regulating system







BUILDING STRONG_®

Restoration in Diverse Habitats



BUILDING STRONG_®

Corp Funding

- Since 2001: Approximately \$6.8 B
 - ► Everglades, Upper Miss, LCA, Columbia & Missouri Rivers Projected → \$400-800M/year
- Projected → \$400-800M/Year ????
- WRDA '07 -- \$3B Authorized







Comprehensive Everglades Restoration Plan

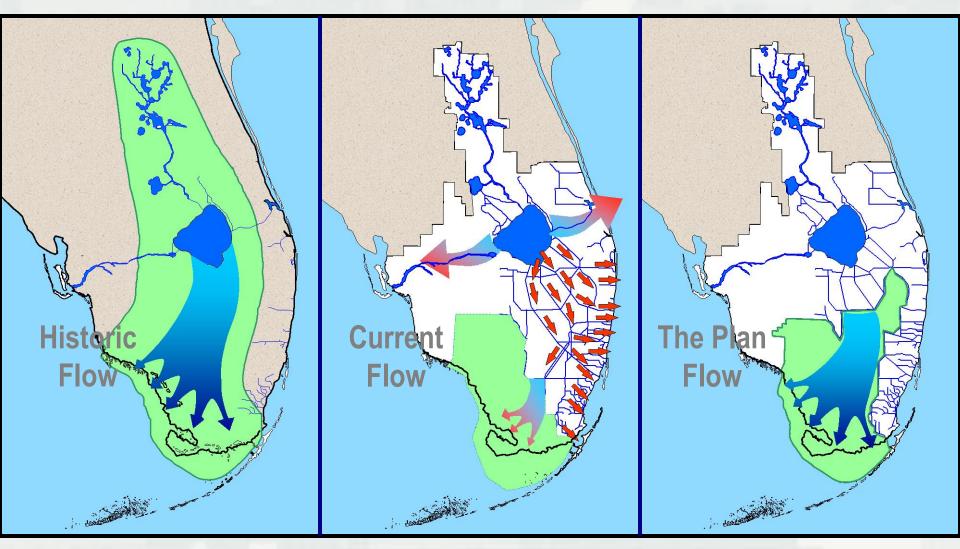
The Plan was approved in the <u>Water Resources Development Act</u> (WRDA) of 2000. It includes more than 60 elements, will take more than 30 years to construct and the current estimate in Oct 2007 dollars is \$9.5 billion for projects (\$11.9 overall including PLA and AAM).

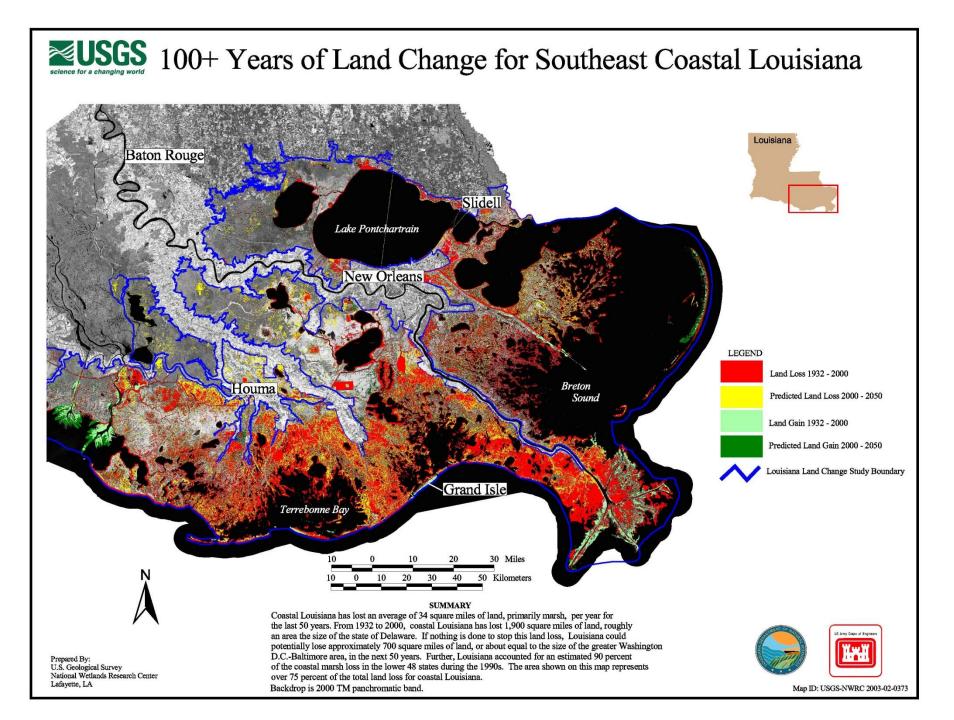
•U.S. Army Corps of Engineers (Jacksonville District)•South Florida Water Management District (State of Florida)

Florida Department of Environmental Protection Florida Fish and Wildlife Conservation Commission Department of Interior National Park Service U. S. Fish and Wildlife Service Other federal, state and local agencies



Comprehensive Everglades Restoration Plan





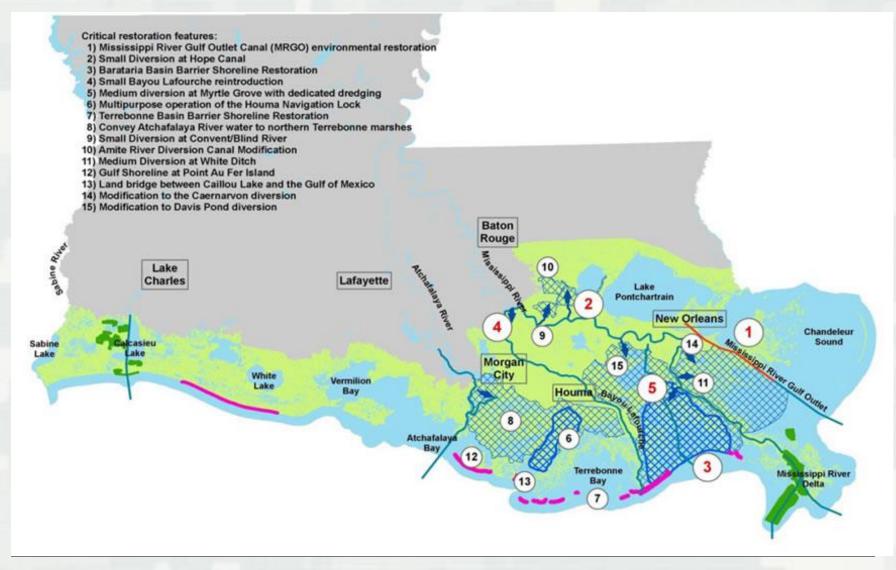
The Louisiana Coastal Area (LCA) Program

- The Louisiana Coastal Area (LCA) Program as authorized in the Water Resources Development Act of 2007 - is a systematic approach to coastal restoration using critical near-term ecosystem restoration projects and large-scale, long-term studies and programs to restore natural features and ecosystem processes. The LCA Program is being developed and implemented in partnership with the Coastal Protection and Restoration Authority of Louisiana (CPRA) and aims to slow the current trend of coast-wide wetland loss and resource degradation.
 - •US Army Corps of Engineers (New Orleans District)•State of Louisiana

Many other federal, state and local agencies



The Louisiana Coastal Area (LCA) Program



Great Lakes Restoration Initiative

- Cleaning up toxics and areas of concern;
- Combating invasive species;
- Promoting nearshore health by protecting watersheds from polluted run-off;
- Restoring wetlands and other habitats; and
- Tracking progress, education and working with strategic partners.











Great Lakes Restoration Initiative

GRLI Task Force

 Council on Environmental Quality Department of Agriculture Animal and Plant Health Inspection Service **Forest Service** Natural Resources Council Department of Commerce National Oceanic & Atmospheric administration Department of Defense US Army Corps of Engineers Department of Health and Human Services Agency of Toxic Substances and Disease Registry Department of Homeland Security **US Coast Guard** Department of Housing and Urban Development Department of the interior **Bureau of Indian Affairs** Fish and Wildlife Service National Park Service Department of State Department of Transportation Federal Highway Administration Maritime Administration Environmental Protection Agency







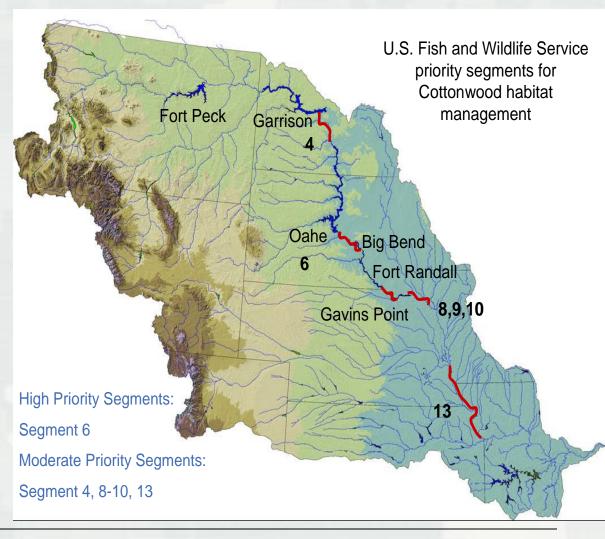
Missouri River Biological Opinion Recovery Plan

Biological Opinion (BiOp) Efforts The U.S. Army Corps of Engineers and the U.S. Fish and Wildlife Service, in partnership with Tribal Nations, states and other agencies, continue to work together to develop and implement recovery actions. These actions are in response to meeting the requirements laid out in the U.S. Fish and Wildlife Service's 2000 Biological Opinion (BiOp), amended in 2003.



Missouri River Biological Opinion Recovery Plan – Cottonwood Management

- USFWS issued the Missouri River 2000 & 2003 Biological Opinion (BiOp).
- The BiOp had 3 reasonable and prudent measures to address bald eagle habitat over 6 priority segments.
 - Map & Evaluate Health of Cottonwoods
 - Create Cottonwood Management Plan
 - Ensure no more than 10% loss of Cottonwood forests
- Decision made to assess cottonwood community rather than just cottonwood species, so a model would need to be created.



BUILDING STRONG_®

Waterways of the United States



Waterways traverse political boundaries





- The river either borders or cuts through the ten states
- The watershed drains all or parts of 31 states and 2 Canadian provinces





Ecosystems are interrelated and populations and agencies all use the same resource

Each may have its own requirements but we need to share resources and this requires sharing responsibilities.



Water is the common resource between all these habitats





Ecosystems are a natural sponge







INTELLIGENCE COMMUNITY ASSESSMEN ICA 2012-08, 2 February 2012 This is an IC-coordinated paper.



Fresh water is a resource that is becoming a endangered commodity



Federal and State Agencies

DO MORE WITH LESS!!!



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Questions



