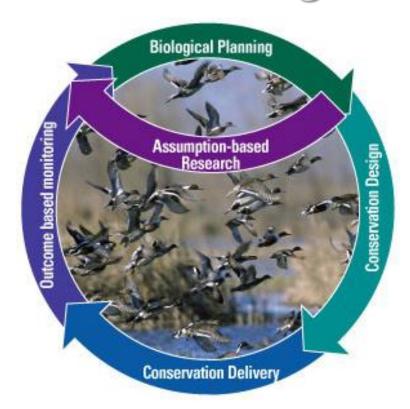


Biological Planning & Conservation Design: Shorebirds



Lower Mississippi Valley JV



Lower Mississippi Valley

Purpose

The Lower Mississippi Valley Joint Venture is a self-directed, non-regulatory private, state, federal conservation **partnership** that exists for the purpose of sustaining **bird populations and their habitats** within the Lower Mississippi Valley region through implementing and communicating the **goals and objectives of relevant national and international bird conservation plans**.



U.S. Shorebird Conservation Plan





North American Waterfowl Management Plan

Strategic Habitat Conservation



Biological Planning

- Articulate measurable population objectives
- Identify limiting factors

Conservation Design

- Formulate <u>habitat objectives</u>
- Develop Decision Support Tools

Conservation Delivery

Implement management actions that affect populations

Outcome-based Monitoring

Assess effects of management on habitats and populations

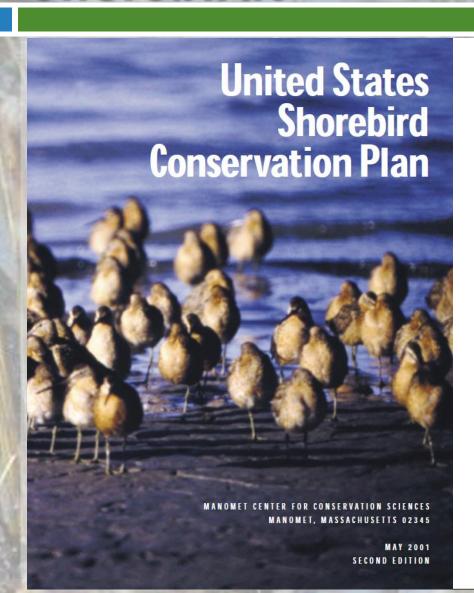
Assumption-drive Research

Evaluate and refine model assumptions

Biological Planning: Shorebirds



Lower Mississippi Valley



U.S. SHOREBIRD CONSERVATION PLAN

LOWER MISSISSIPPI VALLEY/WESTERN GULF COASTAL PLAIN



OCTOBER 2000

Prepared by: Mississippi Alluvial Valley/West Gulf Coastal Plain Working Group

Coordinated by:

Lee Elliott USFWS 6300 Ocean Dr. Campus Box 338 Corpus Christi, TX 78412

Keith McKnight Ducks Unlimited, Inc. One Waterfowl Way Memphis, TN 38120

Biological Planning & Conservation Design



Lower Mississippi Valley

JOINT VENTURE

500,000 birds 10 days \bar{x} = 45g @ 24 kcal day⁻¹

Invertebrate density

2 g m⁻²

2,000 ha

Chironomid

4.2 kcal day⁻¹

Migrating needs

8 g day⁻¹

Maintenance needs

6 g day-1

LMVJV Shorebird Model



Lower Mississippi Valley

- Our shorebird plan is 15 years dated at this point
- Needs to be updated
- LMVJV Shorebird Working Group

U.S. SHOREBIRD CONSERVATION PLAN

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Our LMVJV Vision

A landscape supporting healthy native bird populations and other wildlife across the Lower Mississippi Valley JV



