



- Role of the Science Team
- Working Groups
- Moving Forward





- Develop scientifically-based formulations of the <u>Project Objectives</u>.
- Develop an Adaptive Management Plan.

Components of the Science Program

- <u>Science advice</u> to the Project Management Team, Stakeholder Forum and Consultant Team
- A <u>Science Plan</u> that describes the Science Program, grounds the Objectives in science and describes the integration of science into decision-making
- A Science Structure that implements the Science Program
- An <u>Adaptive Management Plan</u> for monitoring restoration progress and conducting targeted experiments
- A <u>Competitive Proposal Process</u> for implementing a portion of the Adaptive Management Plan and generating information on Key Uncertainties

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Science Plan Elements

- Science Background provides the *content basis* for collecting, synthesizing and disseminating the best available science to support adaptive management
- Science Structure the *process* that generates information to address key uncertainties, implement the Adaptive Management Plan, and integrate data into

Project decision-making



Science Background

- <u>Content basis</u> for meeting the Project Objectives
- Science Syntheses
 - Provides Scientific grounding for Project Objectives
 - Nine Key Issues and Key Questions/Uncertainties
 - Performance Standards and Measures
 - Recommendations for Planning, Design and Beyond
 - Conceptual Models
- Peer reviewed by scientists outside the Project





1 Maintain/Improve Ecosystem Function

- 2 Understand Sediment Budget/Dynamics
- 3 Restore Tidal Marsh/Associated Habitats
- 4 Recover Special Status/Indicator Species
- 5 Manage Ponds for Migratory Birds

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Nine Key Science Issues

- 6 Effects of Hydrological Modifications
- 7 Pollutant Effects
- 8 Impact of Invasive and Nuisance Species
- 9 Effects of Human-related Activities and Infrastructure















Adaptive Management Plan

A methodology for acting on the information gained through Monitoring and Applied Studies during planning, Phase 1, and future phases to:

- modify those actions
- revise future phases of actions and applied studies
- revise the assumptions and knowledge base









Science Development and Implementation

Develop and implement a long-term science program that will provide adaptive management and scientific information to achieve the Project Objectives

- Revise Science Syntheses
- Develop Adaptive Management Plan
 Design Proposal Process
- Provide information for public outreach

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Review of Selected Documents

Review selected documents or sections thereof, as appropriate, following one of two procedures:

- <u>Science Team-Consultant Team Loop</u> (equates to peer review by involved Science Team members)
- <u>Public Comment Procedure</u> (does not equate to peer review)



Advisory Role of Individuals

Individuals provide ad hoc advice to the Consultant Team through formal or informal collaboration

- Consultant Team documents must clearly state who advised
- Science Team individuals who advise cannot peer review doc
- Does <u>not</u> equate to peer review by the Science Team









Implement Competitive Proposal Process

