

## ***CALFED Presentation***

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- I. CALFED Program Overview**
- II. Suisun Marsh Investigation**
- III. What's Next**



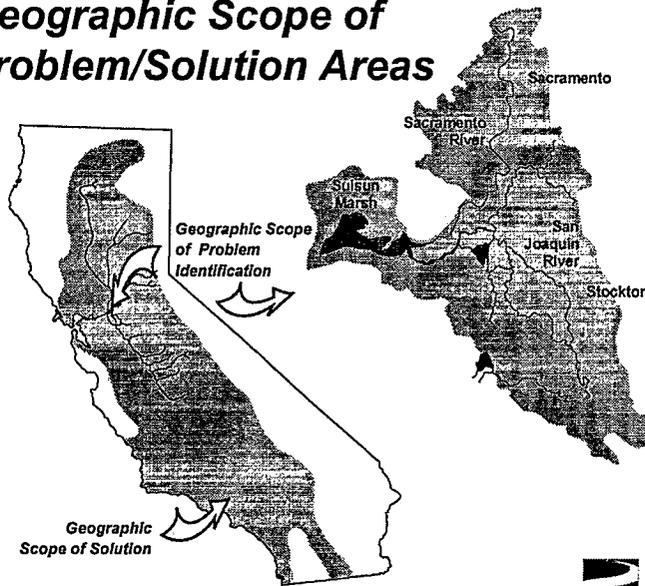
# Mission Statement



The mission of the CALFED Bay-Delta Program is to develop a long-term comprehensive plan that will restore ecological health and improve water management for beneficial uses in the Bay-Delta System.



## Geographic Scope of Problem/Solution Areas



# Bay-Delta Problem Areas



Water Supply



Habitat Degradation



Water Quality

Unstable Levees



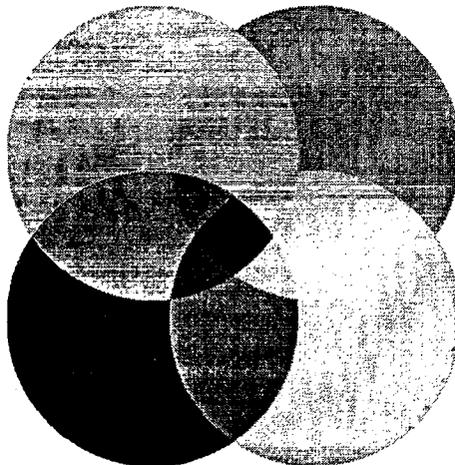
# Problems are Interrelated

Ecosystem Restoration

Levee System Integrity

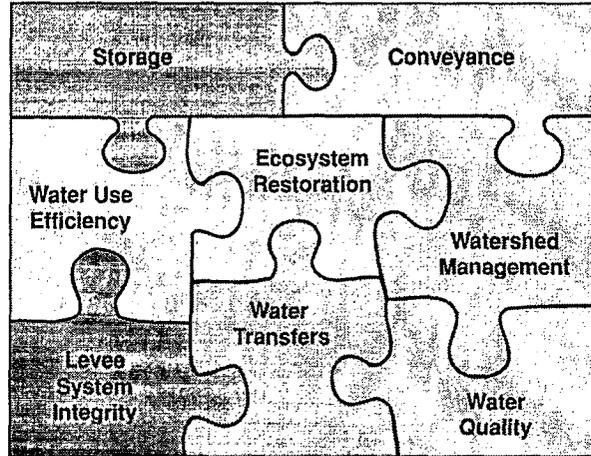
Water Quality

Water Supply Reliability



## ***Program Elements***

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## ***Solution Principles***

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- Reduce Conflicts in the System
- Be Equitable
- Be Affordable
- Be Durable
- Be Implementable
- Pose No Significant Redirected Impacts



## ***Suisun Marsh Investigation***

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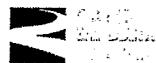
- In February 1998, many Suisun Marsh levees were breached, flooding 22,000 ac.
- DWR modeled the breaches to quantify water quality impacts.
- They found that if breaches are small (less than 100 feet) Delta salinity decreases. But if they get large Delta salinity increases.



## ***Suisun Marsh Investigation***

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- In response, CALFED initiated the Suisun Marsh Investigation to address:
  - Levee Integrity
  - Habitat Degradation
  - Water Quality

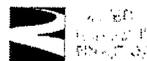


## ***Suisun Marsh Investigation***

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### GOAL

- Quantify the Benefits and Costs of Adding the Suisun Marsh Levees into the CALFED Program



## ***Potential Benefits***

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- Protect Existing Land Use
- Improve Water Quality
- Improve the Suisun Marsh Ecosystem



## ***Suisun Marsh Investigation Team***

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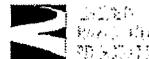
- CALFED Levee Program Staff
- CALFED Ecosystem Restoration Program Staff
- Department of Fish and Game
- Suisun Resources Conservation District
- Suisun Landowner
- Department of Water Resources Staff
- Engineering Consultant
- United States Bureau of Reclamation



## ***Suisun Marsh E-mail Reflector (Information Dissemination)***

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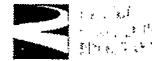
- Bay Conservation and Development Commission
- Solano County
- Department of Fish and Game
- CALFED
- Suisun Resources Conservation District
- Suisun Landowner
- Department of Water Resources
- Engineering Consultant
- United States Bureau of Reclamation



## ***Investigation Kick-Off***

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- Build On Existing DWR Modeling Studies
- Identify Key Issues



## ***Key Issues***

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- Based on Willing Participation
- Do Not Want to Create Tidal Wetlands at the Expense of Managed Wetlands
- More Intensive Maintenance Must Be Part of Any Package
- Do Not Want to Reduce Existing Funding for In-Delta Levees



## ***Developing Regions to Model***

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To Assess Potential Water Quality

Benefits Considering:

- ERP Goals
- MSCS Goals
- Modeling Constraints



## ***Ecosystem Restoration Program (ERP) Habitat Goals***

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- Shallow Water Habitat- 1,500 acres
- Tidal Marsh- 5,000- 7,000 acres  
(Includes 1800 acres from Montezuma Wetlands Project)
- Protect 40,000 to 50,000 acres of  
Managed Wetlands



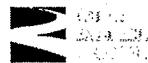
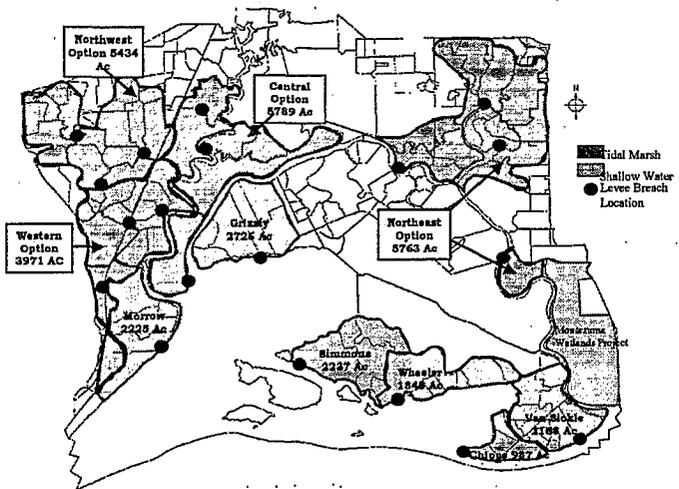
## **MSCS Goals**

### ***Species Designated for Recovery***

- delta smelt
- longfin smelt
- green sturgeon
- splittail
- chinook salmon
- steelhead
- soft bird's-beak
- Mason lilaepsis
- Suisun Marsh aster
- Suisun thistle
- Suisun ornate shrew
- Suisun song sparrow



## ***Levee Breach Study Areas***



## ***Suisun Marsh***

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### Potential Benefits

#### **To the CALFED Program**

- Ecosystem Restoration Improvements
  - Protect existing managed wetlands
  - Develop Tidal Wetland Habitat
  - Develop Shallow Water Habitat
- Water Quality Improvements
  - Decrease Salinity in the Delta



## ***Suisun Marsh***

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### Potential Benefits

#### **To Landowners**

- Get a Levee Rehabilitation and Maintenance Program
- Get an Improved Emergency Response Capability
- Work to get Authority to Dredge for Levee Material



## ***Suisun Marsh***

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### We Need To:

- **Determine landowner interest**
  - Program is based on willing participants
- **Quantify costs and benefits of the plan**



## ***Suisun Marsh***

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CALFED has included the Suisun Marsh in their Ecosystem Restoration Program

### 2001 Implementation Plan

- People or groups can make proposals to achieve Ecosystem Restoration Goals
- Proposals need to be consistent with this investigation
- More information is available on the CALFED website and with tonight's handouts



## ***What's Next***

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- **Send us your comments**
  - Use address mail-in sheet
- **Upcoming meetings**
  - SRCD Workshop (April/May)
  - July CALFED Meeting (?)
  - SRCD Workshop (August)
- **CALFED decision on the Marsh**



## ***Contacts***

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