

WELCOME

WEBSITE: <https://www.wildlife.ca.gov/Conservation/Watersheds/DCF>





CDFW Invites Agencies and Stakeholders
to Help Develop a
Long-Term

Delta Conservation Framework

for the Sacramento San Joaquin Delta, Yolo Bypass and
Suisun Marsh
2017-2050





Stakeholder Engagement

Four Public Workshops:

1. August 18, 2016

VISION, PURPOSE, PRINCIPLES –
SOLUTIONS TO CHALLENGES

2. September 21, 2016

SETTING CONSERVATION TOPICS &
GOALS, FINDING STRATEGIES

3. October 20, 2016

CONSERVATION ACTIONS &
EVALUTING SUCCESS
DEFINING PLANNING BOUNDARY &
CONSERVATION OPPORTUNITY
REGIONS

4. November 30, 2016

Proposed Topic: INTEGRATION WITH
REGIONAL CONSERVATION
STRATEGIES



30-day public review of document



Stakeholder Participation in Workshops

State

CA Natural Resources Agency
CA Department of Fish & Wildlife
 Water Branch
 Watershed Restoration Grants Branch
 Region 3
 Interagency Ecological Program
CA Department of Water Resources
Delta Stewardship Council
Delta Science Program
SSJ Delta Conservancy
Delta Protection Commission

Private

South Delta Resident

Federal

US Bureau of Reclamation
Central Valley Joint Venture
US Fish & Wildlife Service
SF Bay NERR

County

Sacramento
San Joaquin
Solano
Solano County Water Agency
Solano RCD – Suisun RCD

Metropolitan Water District

Academic

UC Davis, UC Santa Cruz

NGOs

San Francisco Estuary Institute
The Freshwater Trust
The Nature Conservancy
Yolo Basin Foundation
Yolo Habitat Conservancy

Consulting Firms
Douglas Environmental
ESA
Flow West
MBK Engineers/Reclamation Districts
Mosaic Associates
The Catalyst Group – Delta
 Vision Foundation



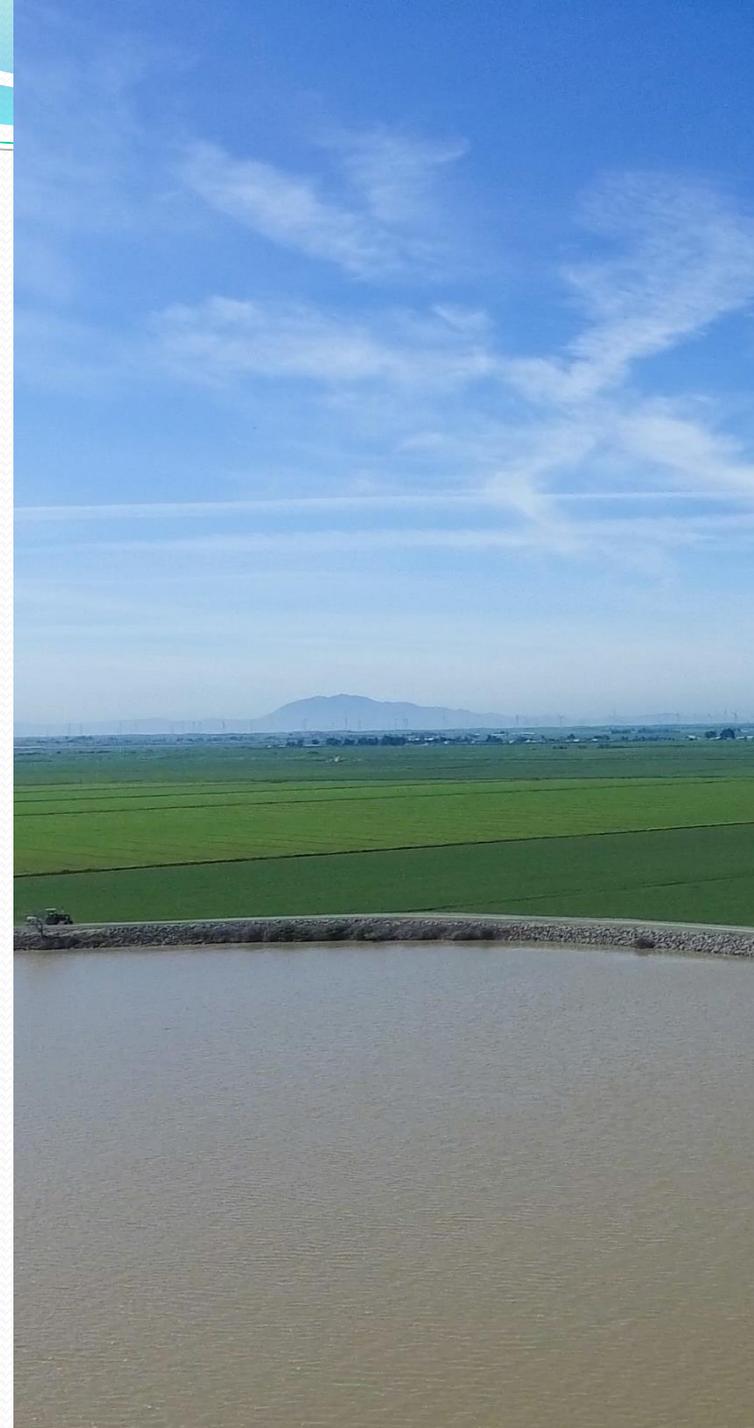


Delta Conservation Framework Further Outreach

- Federal Agencies (NOAA, USFWS, USACE)
- Delta Stewardship Council

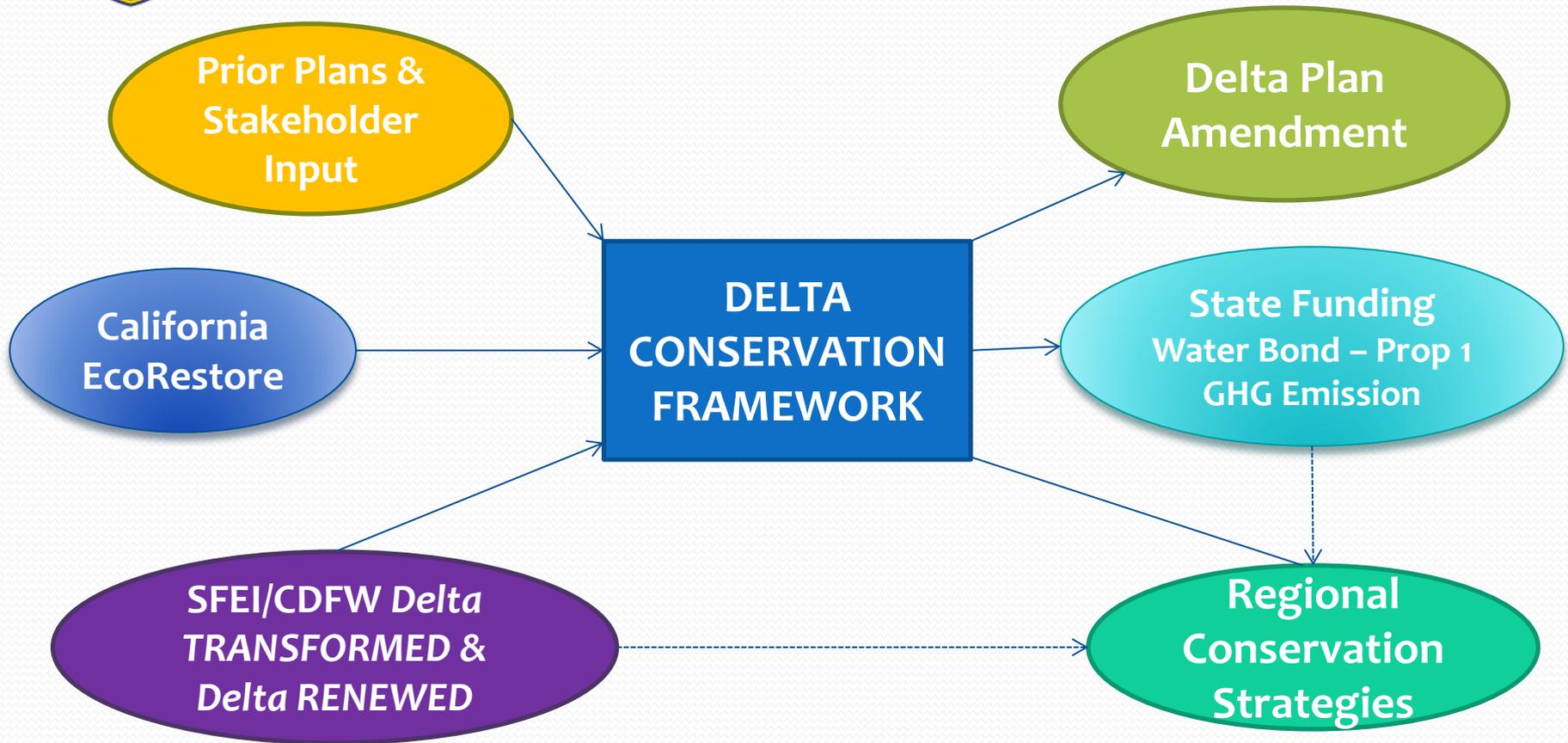
- Delta Five-County Coalition
- East Contra Costa Habitat Conservancy
- Contra Costa County Dept. of Conservation and Development
- Contra Costa Resource Conservation District

- Discover the Delta
- CA Delta Chambers & Visitors Bureau
- Return the Delta
- North Delta Cares
- Snug Harbor
- Anglers
- American Rivers





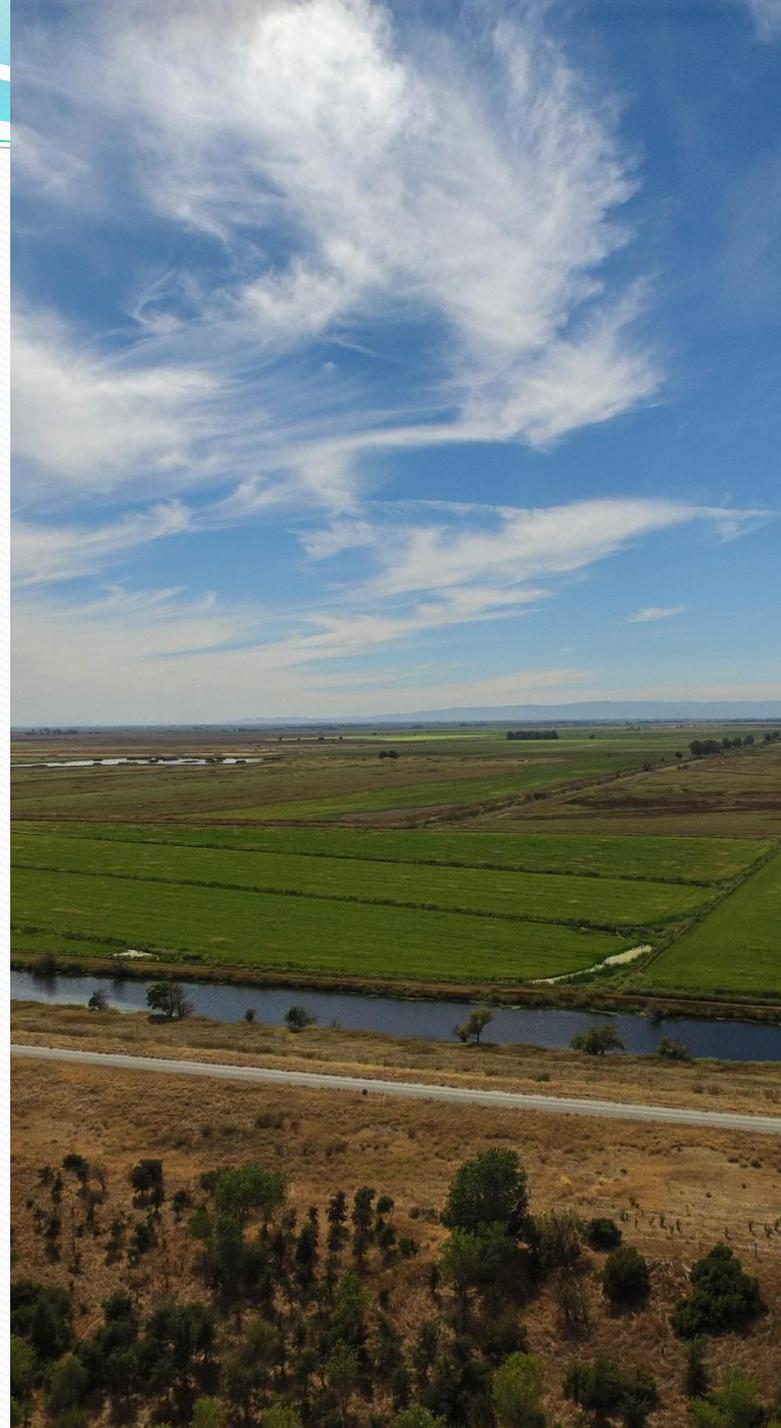
Planning Context





Vision for a Future Delta

*A mosaic of towns,
agricultural landscapes,
managed wetlands, and
resilient ecosystems where
people prosper and healthy
fish, wildlife, and plant
communities thrive.*





Delta Conservation Framework

Purpose

- I. Forum for collaborative engagement and broad buy in
- II. Long-term extension of *California EcoRestore*
- III. Shared vision, overarching goals & strategies for Delta conservation
- IV. Potential solutions to recognized challenges
- V. Inform regional conservation strategies
- VI. Informs State funding priorities
- VII. Basis for amendment of the ecosystem elements of the Delta Plan



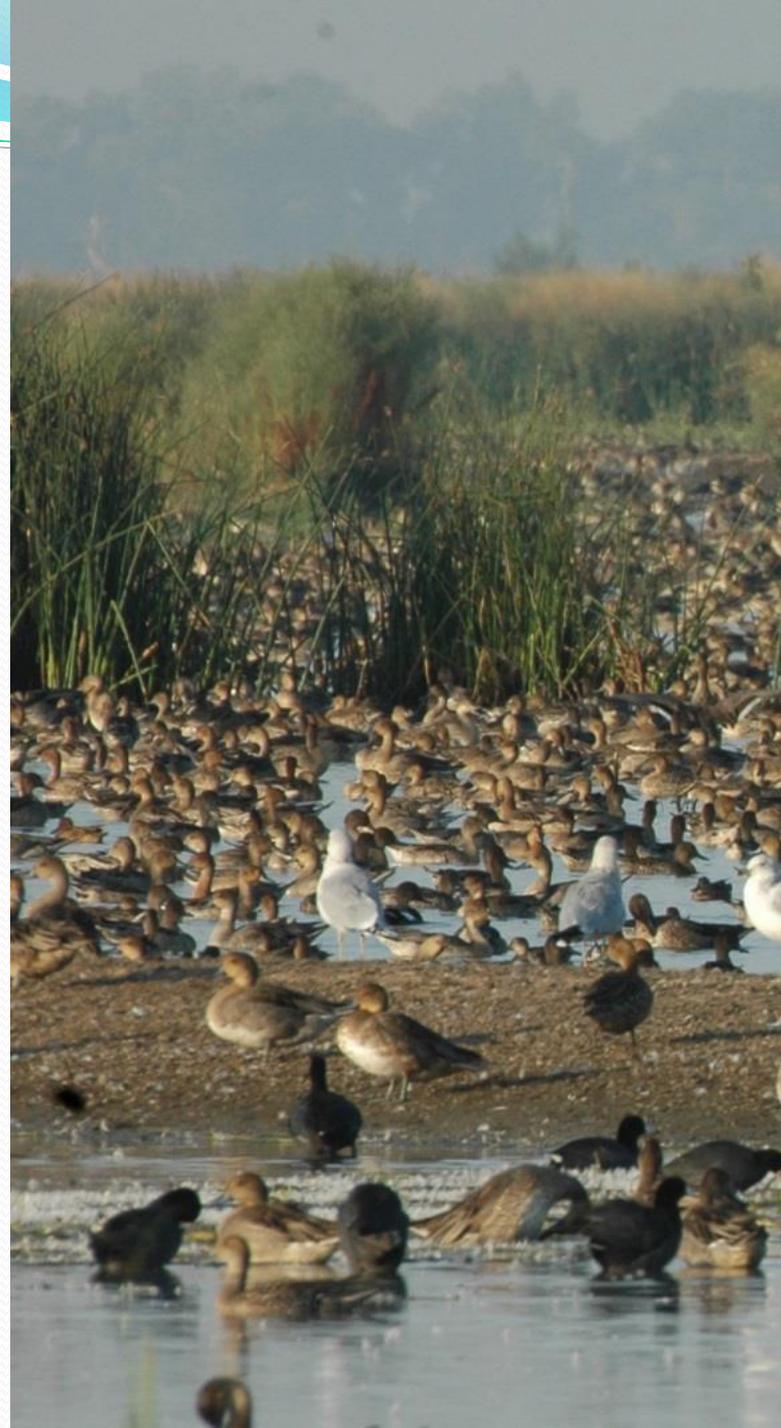


Principles

Central Premise:

The conservation of Delta ecosystems will benefit both people and the environment

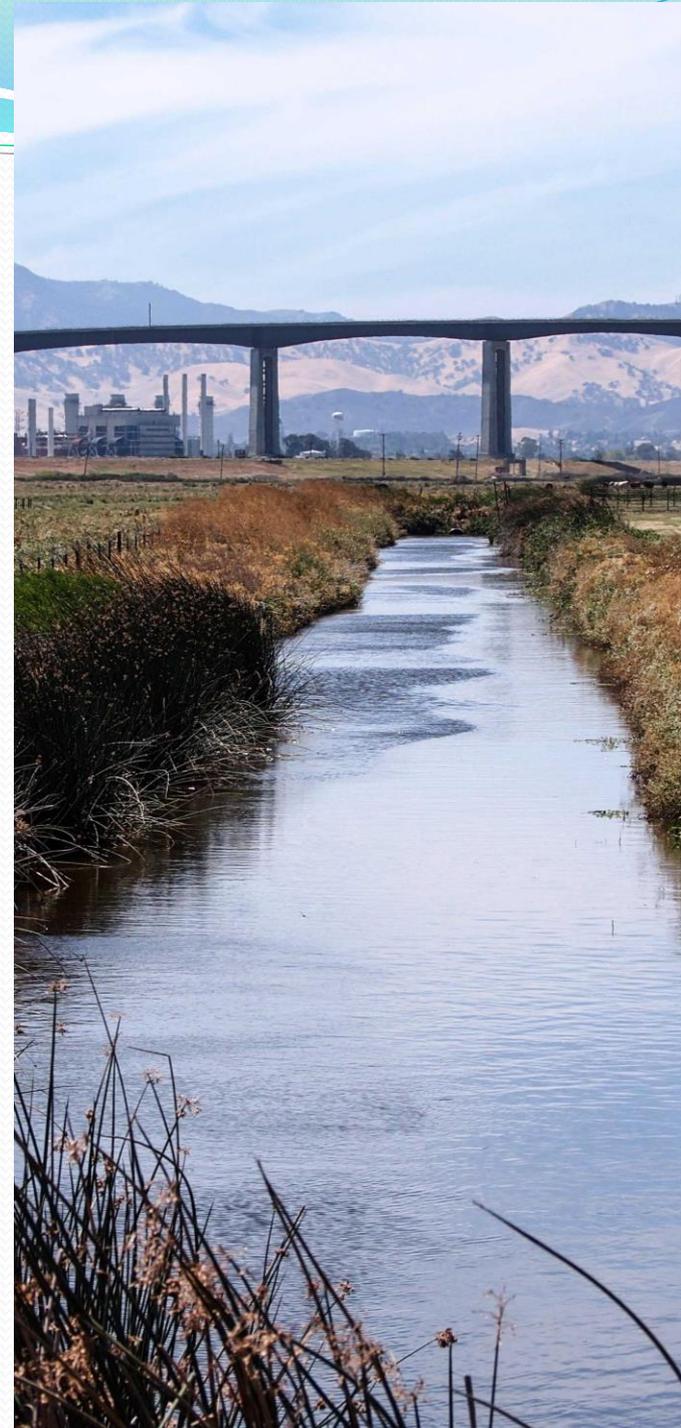
1. Building Community
2. Promoting Ecological Function
3. Providing Multiple Benefits
4. Focusing On People And Place
5. Increasing Efficiency (Process And Cost)
6. Highlighting Need for Funding





Delta Conservation

Implementing strategies and related actions for Delta stakeholder integration and the protection, enhancement, restoration, and adaptive management of Delta ecosystems and their ecological functions to benefit human and natural communities

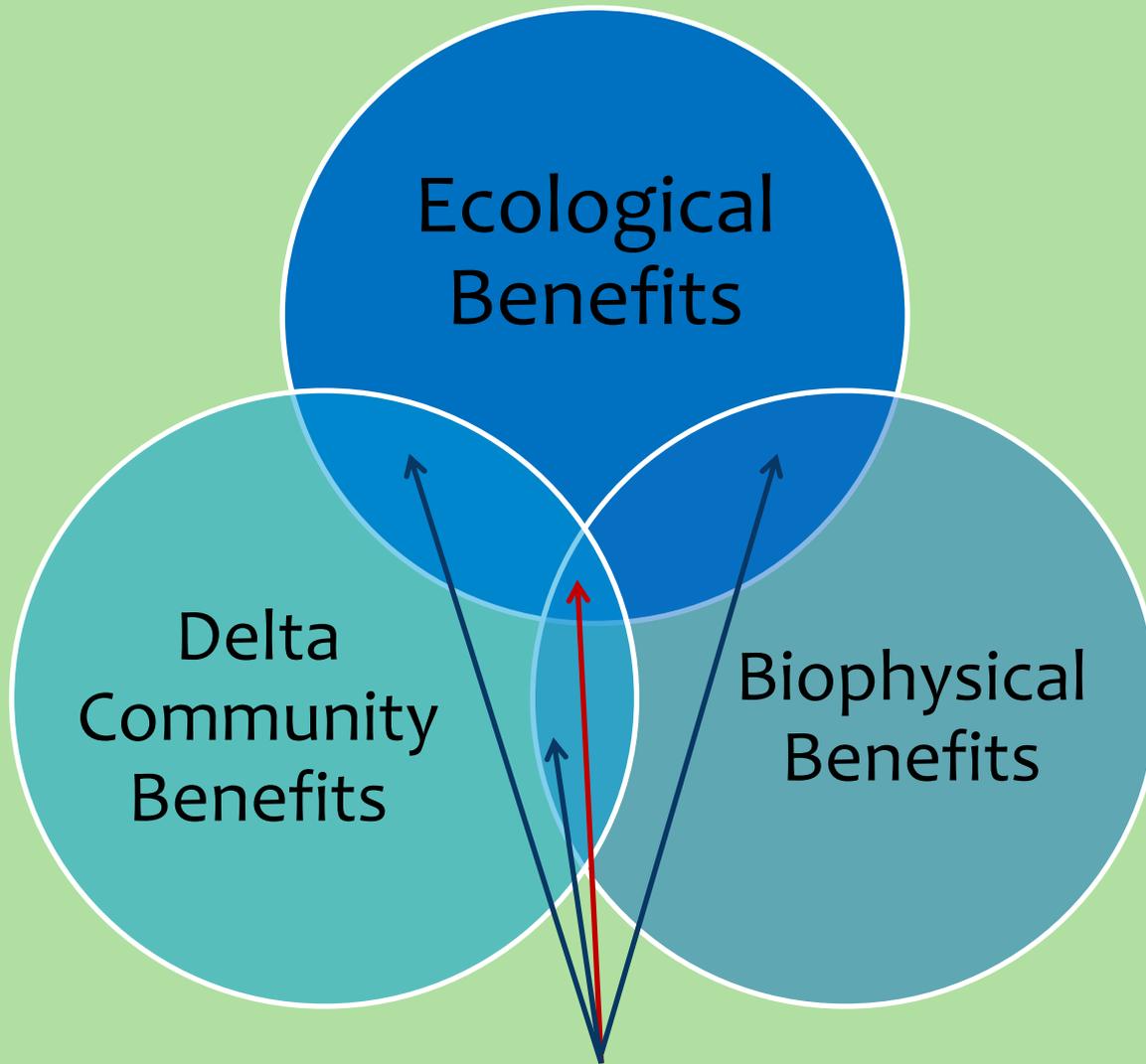


Integrating Ecosystem Function



- across geographic and time scales
- in conjunction with Delta community goals

ECOSYSTEM FUNCTION



Multiple Benefits



Consistency with Existing Plans

- **EcoRestore**
- **Delta Renewed** - Draft report SFEI/CDFW Delta Landscapes Project
- **California Water Action Plan**
- **The Delta Plan/Delta Reform Act**
- **State Wildlife Action Plan**
- **Economic Sustainability Plan for the SSJ Delta**
- **Strategic Vision 2030 for the Delta**
- **CCMP for the San Francisco Estuary**
- **Suisun Marsh Plan**
- **CV Flood Protection Plan Conservation Strategy**
- **CVJV Implementation Plan**
- **ERP Conservation Strategy**
- **Human Use of Restored and Naturalized Delta Landscapes**





Conservation Topics

DELTA COMMUNITY INTEGRATION



FUNCTIONAL DELTA ECOSYSTEMS

Process Overview

WHY?

Purpose &
Principles

Vision

WHAT?

Conservation
Topics

Goals

Solutions

HOW? WHO? WHEN?
WHERE?

Strategies

SMART Objectives
Actions

“A goal without a plan is a wish!”



IMPLEMENTATION

Outcome



Overarching Goals & Strategies

GOAL A: Integrate Regular Stakeholder Communication and Socio-Economic Considerations into Delta Conservation Planning and Implementation Processes.

Strategy A1: Build Partnerships and Develop Collaborative Practices and Forums

Strategy A2: Consider Delta Socio-Economic Factors in Conservation Planning, Implementation and Management to Support Economic Vitality and Highlight Conservation Related Contributions.





Overarching Goals & Strategies

GOAL B: Build a Program that Promotes Public Education and Outreach Focused on Delta Community Integration with Ecosystem Conservation

Strategy B1: Determine Responsible Entity and Build Delta Education and Outreach Program

Strategy B2: Develop and Run Local, State, and National Campaigns to Promote the Delta and the Importance of Conservation





Overarching Goals & Strategies

GOAL C: Develop Multi-Benefit Focused Conservation and Land Management Solutions to Balance Environmental and Human Needs

Strategy C1: Incorporate Conservation Goals with Levee Maintenance and Flood Management Practices to Provide Additional Habitat and Improve Existing Habitats along Delta Channels, River Corridors, and Riparian Zones

Strategy C2: Support Sustainable Wildlife-Friendly Agriculture to Provide Connectivity and Additional Foraging and Roosting Habitats for Wildlife and Migratory Birds

Strategy C3: Reverse Land Subsidence by Implementing “Carbon Farming” Projects where High Organic Matter Building Plants Sequester Carbon and Build Up Soils Over Time





Overarching Goals & Strategies

GOAL C: Develop Multi-Benefit Focused Conservation and Land Management Solutions to Balance Environmental and Human Needs

Strategy C4: Advance State Agency Land Management Processes and Procedures

Strategy C5: Develop Action Guidelines for Assuring Reliable Water Supply for In-Delta Uses When Implementing Conservation

Strategy C6: Integrate Solutions for Improving Water Quality into Conservation Project Planning and Implementation





Overarching Goals & Strategies

GOAL D: Protect, Restore, Enhance and Sustain the Physical Processes that Create and Maintain Connected, Resilient and Diverse Aquatic and Terrestrial Delta Ecosystems and their Transitional Zones at a Scale and Landscape Configuration that Supports Prime Ecological Function and that Integrates with Human Needs.

Strategy D1: Protect Delta Ecosystems and Transition Zones with Potential for Conservation and Human Benefits

Strategy D2: In Designated Conservation Lands Restore, Enhance and Manage Ecosystem Processes to Improve Function and Habitat Quality for ***Life History Support for Resident and Migratory Wildlife***





Overarching Goals & Strategies

GOAL E: Create Conditions Conducive to Meeting or Exceeding the Goals in Existing Species Recovery Plans

- **Strategy E1: Optimize the Level of Wildlife Population and Ecosystem **Connectivity at Multiple Scales****
- **Strategy E2: Optimize the **Level of Ecosystem Function** at Multiple Scales to Support a Thriving Delta **Food Web****





Overarching Goals & Strategies

GOAL E: Create Conditions Conducive to Meeting or Exceeding the Goals in Existing Species Recovery Plans

- Strategy E3: Develop and Implement Coordinated and Proactive Approaches for the Early Detection, Rapid Response, and Long-Term **Control and Management of Harmful Invasive Species.**
- Strategy E4: Optimize the Level of Co-Benefits for Human Use of Conservation Areas and **Reduced Adverse Effects on Delta Wildlife from Human Disturbance**





Overarching Goals & Strategies

GOAL F: Build Climate Change Adaptation Considerations and Adaptive Management Approaches into Planning and Implementation of Delta Conservation Projects.

Strategy F1: Develop Resources and a Suite of Recommended Management Actions for **Integrating Delta Climate Change Adaptation** into Delta Conservation and Community Planning

Strategy F2: Directly **Integrate Adaptive Management** into Conservation Project Planning



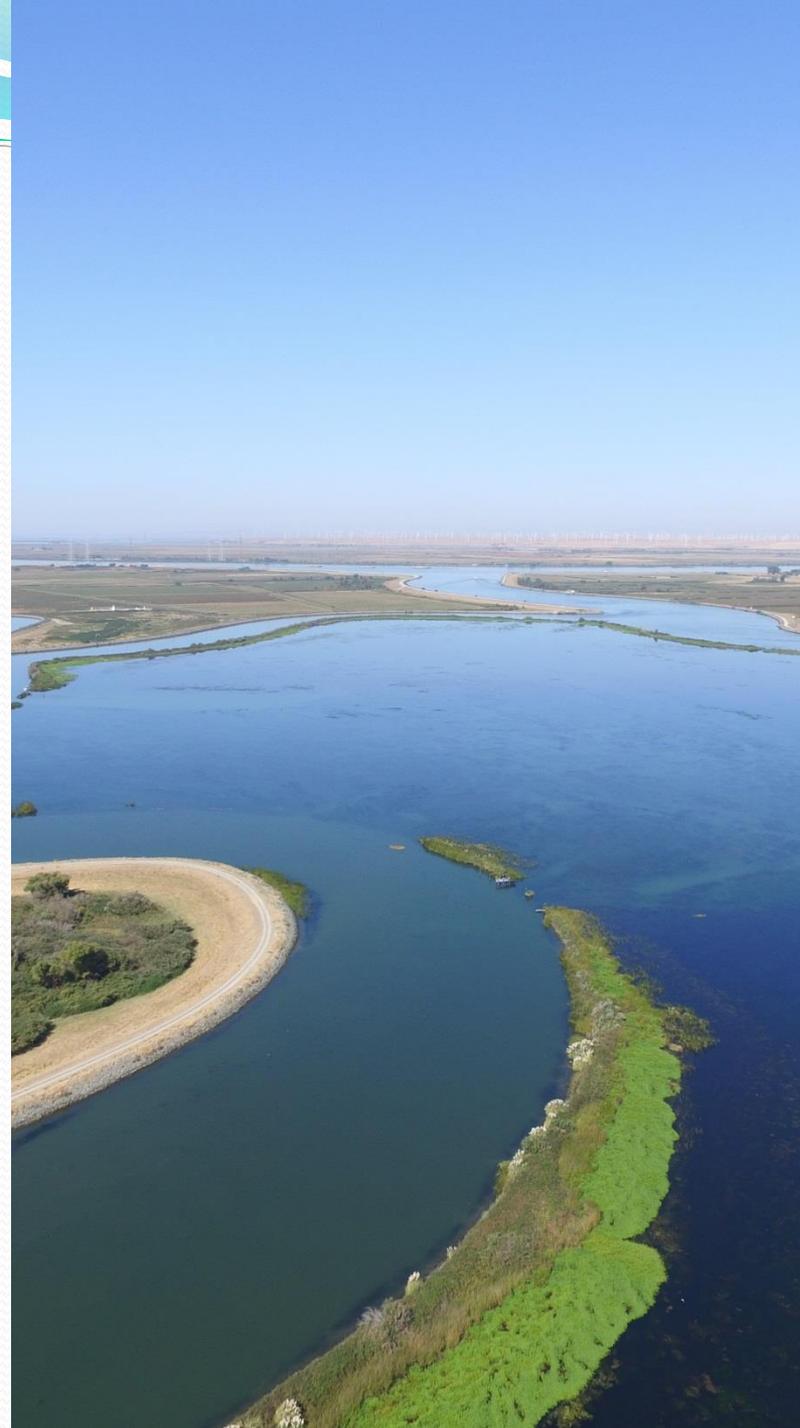


Overarching Goals & Strategies

GOAL G: Improve the Capacity and Approaches for Permitting Processes in the Context of Delta Conservation Implementation.

Strategy G1: Develop Regional Permitting Frameworks for the Delta Conservation Opportunity Regions

Strategy G2: Directly Engage with Permitting Agencies to Find Ways to Improve the Permitting Process for Conservation-related Projects





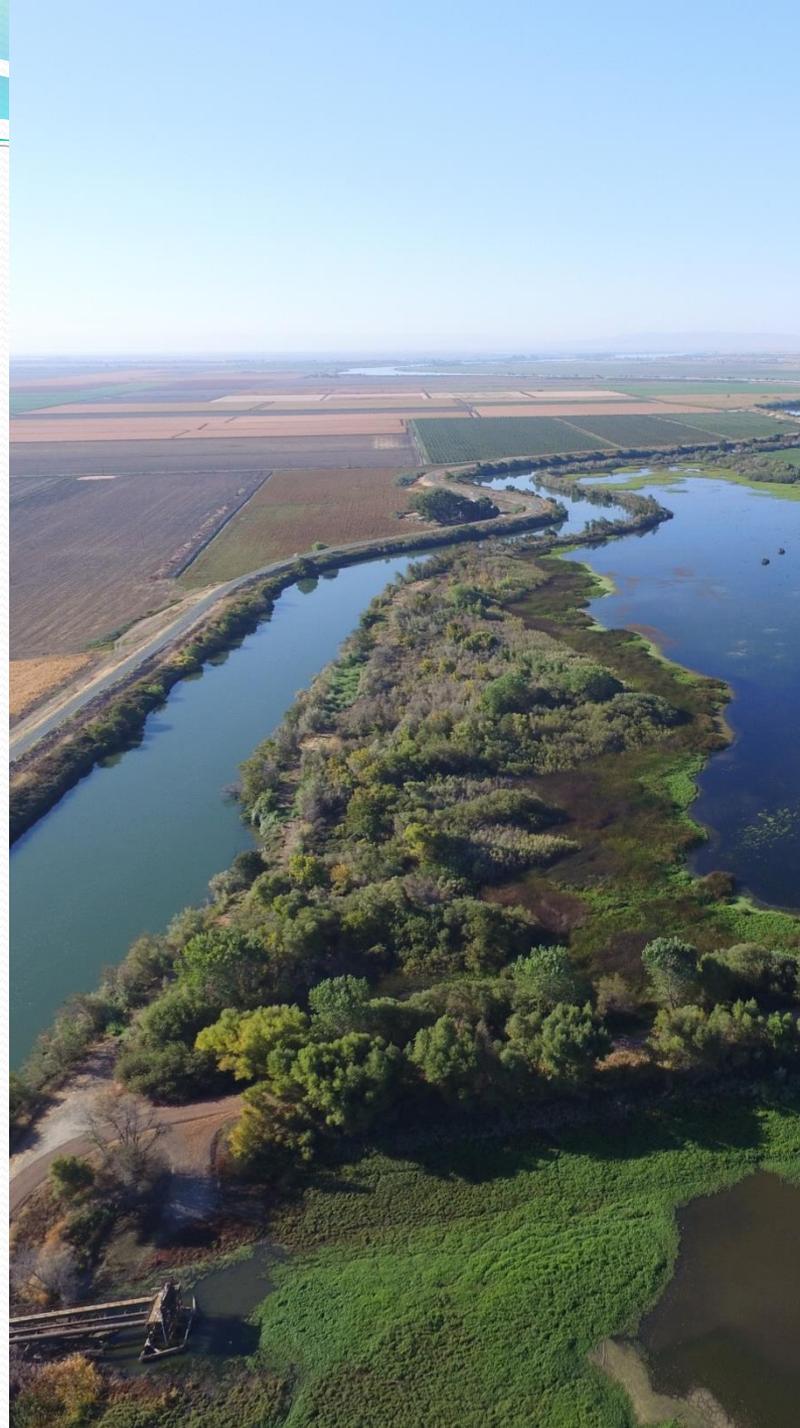
Overarching Goals & Strategies

GOAL H: Develop Mechanisms to Secure Long-Term Funding for Continued Conservation Implementation and Long-Term Management of Conservation Lands.

Strategy H1: Integrate with Existing Short-Term State Funding Opportunities

Strategy H2: Develop Long-Term Funding Support for Delta Conservation and Adaptive Management

Strategy H3: Develop Tools for Effectively Broadcasting Available Funding Opportunities





Small Group Engagement 1

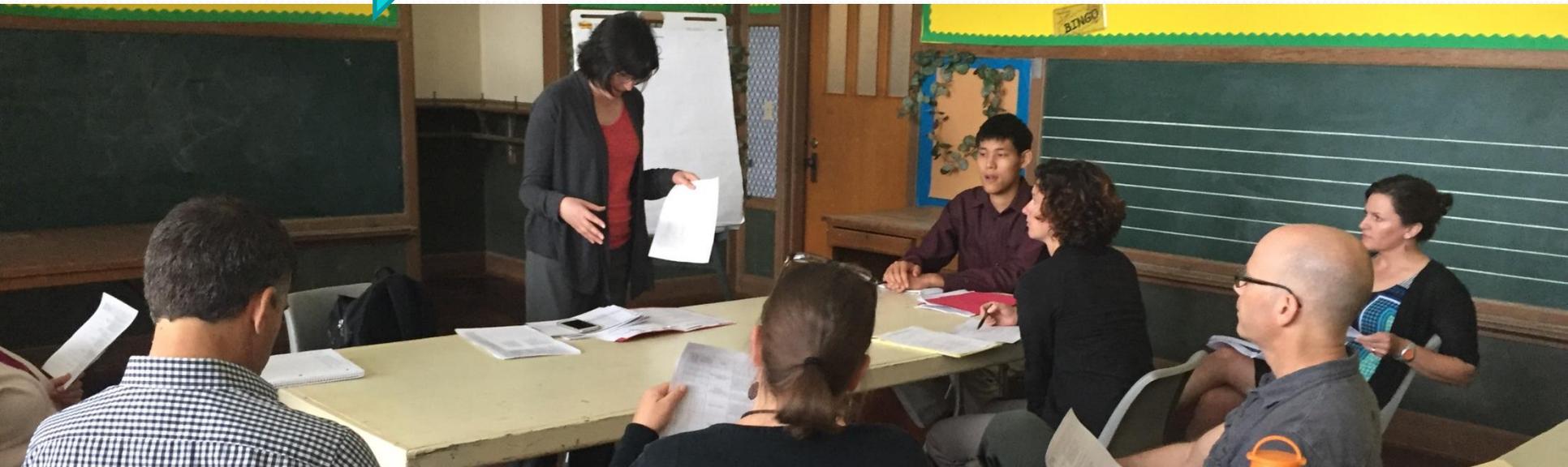
Evaluating Success of Goal-based Strategies

8 Overarching Goals with the following nested components for each goal:

- **Strategies** (relative to reaching a specific goal)
 - **SMART objectives**
(Relative to a given strategy - *specific, measurable, attainable, realistic, time-sensitive*)
 - **Example actions** (relative to a strategy to reach given objective)
 - **Example indicators/performance measures**
(relative to objective-based actions within strategies)

HYPOTHESES

METRICS





Small Group Engagement 1

Evaluating Success of Goal-based Strategies

1. *Review of overarching goals & associated strategies & actions*
2. *For each goal-based strategy capture:*
 1. *Additional objectives or actions*
 2. *Indicators/performance measures for actions*
 3. *Research needs – ecological & socioeconomic*





Breakout Groups

1. *Brief introductions (5 mins)*
2. *Review materials (10 mins)*
3. *Provide input on 2 Goals: Capture feedback on flip chart (30 mins)*
4. *Share results with large group (5 min each group)*





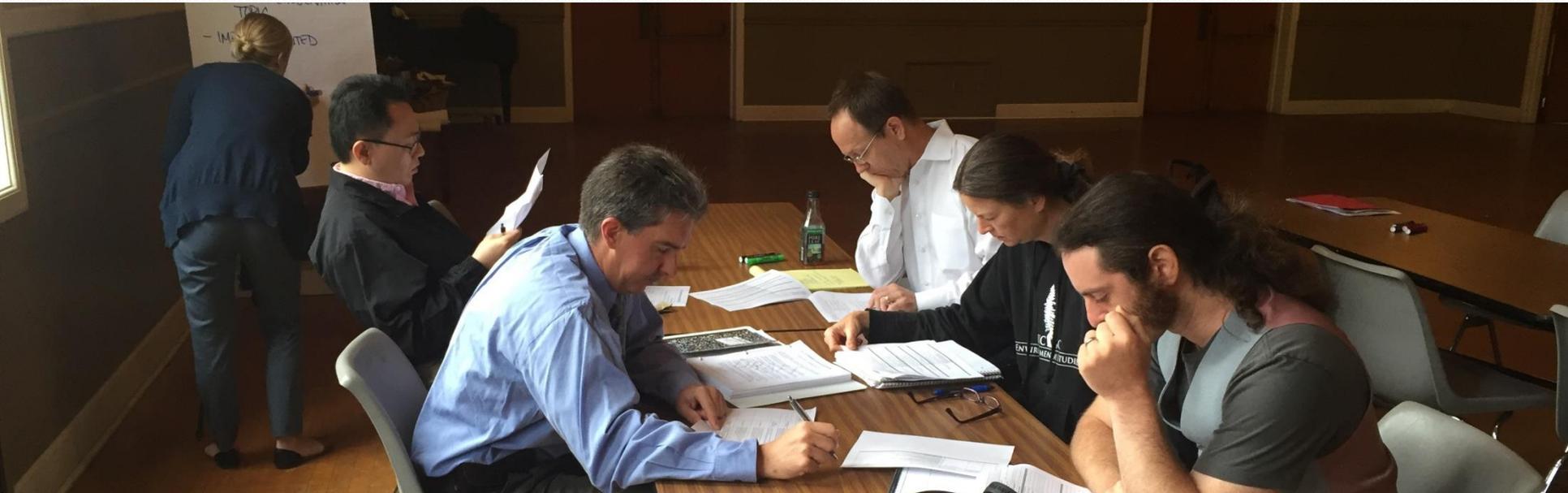
Photos: C. Sloop – Bird'sEyeView, CDFW



Small Group Engagement 2

Planning Region & Mapping Conservation Opportunity Regions (CORs)

- **Define planning region** for Delta Conservation Framework
- **Define conservation opportunity regions** with focus on criteria such as:
 - *Public lands and protected areas/easements*
 - *Existing regional conservation focus areas & current efforts*
 - *Ecological value and potential for community benefit*
 - *Agricultural land use, elevation, landforms, hydrology, infrastructure*
 - *Connectivity (within “Delta” and linking to upper and lower watershed)*
- **Opportunities** roughly defined by region





Breakout Groups

- 1. Review criteria & maps (10 min)*
- 2. Provide input & draw “fuzzy” outlines on large map (45 min)*
- 3. Share results with large group (5 min each group)*





Stakeholder Engagement

Four public workshops:

1. August 18, 2016

VISION, PURPOSE, PRINCIPLES –
SOLUTIONS TO CHALLENGES

2. September 21, 2016

SETTING CONSERVATION TOPICS &
GOALS, FINDING STRATEGIES

3. October 20, 2016

Proposed Topic: EVALUTING SUCCESS
– DEFINING CONSERVATION
OPPORTUNITY REGIONS

4. November 30, 2016

Proposed Topic: INTEGRATION
WITH REGIONAL
CONSERVATION STRATEGIES



30-day public review of document



Bring your friends,
colleagues and neighbors!