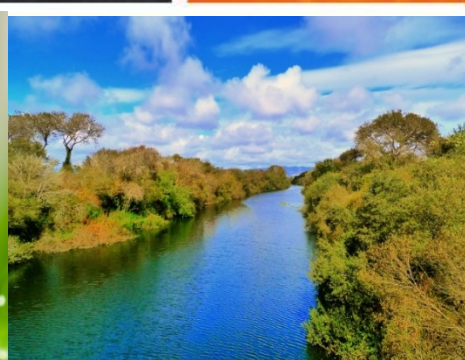
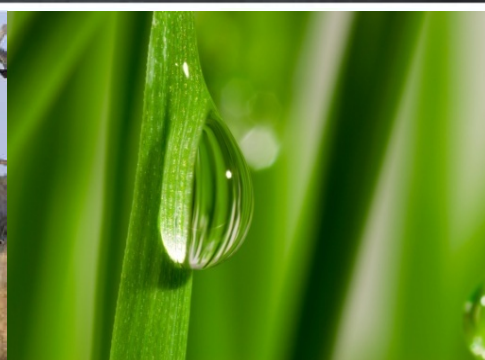




Central Valley Landscape Conservation Project



Project Goal

In partnership with natural resource managers and scientists, identify climate-smart conservation actions that will maximize the adaptive capacity of priority species, habitats, and ecosystems to support an ecologically connected Central Valley landscape.



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In partnership with natural resource managers and scientists, identify climate-smart conservation actions that will maximize the adaptive capacity of priority species, habitats, and ecosystems to support an ecologically connected Central Valley landscape.



To answer management questions such as:

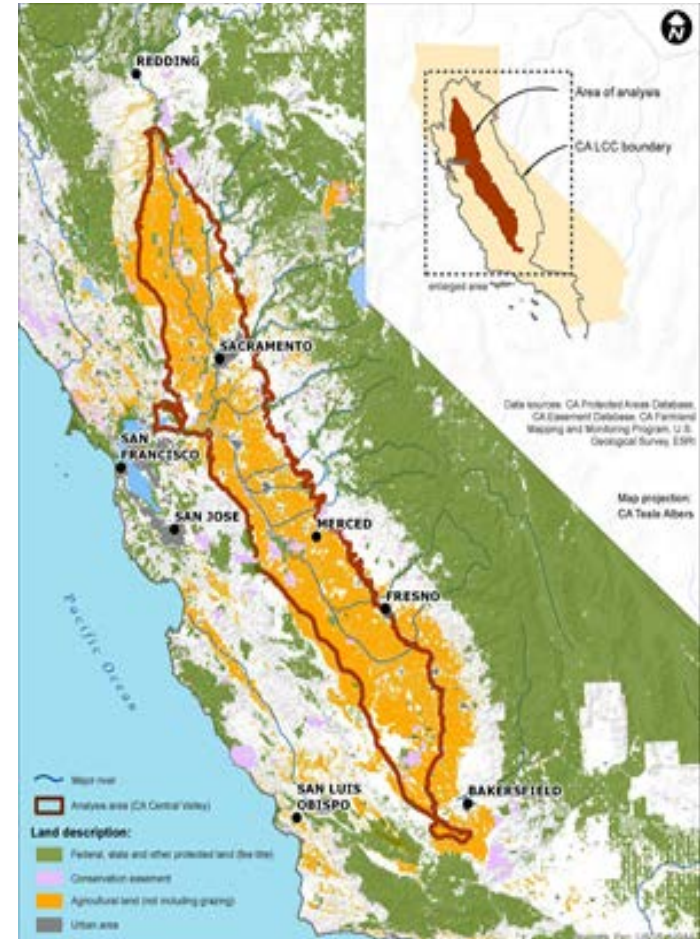
- Considering vulnerability to future conditions , where do we invest in land protection, restoration?
- What are critical areas for connectivity?
- What type of resource management is necessary in face of climate change?



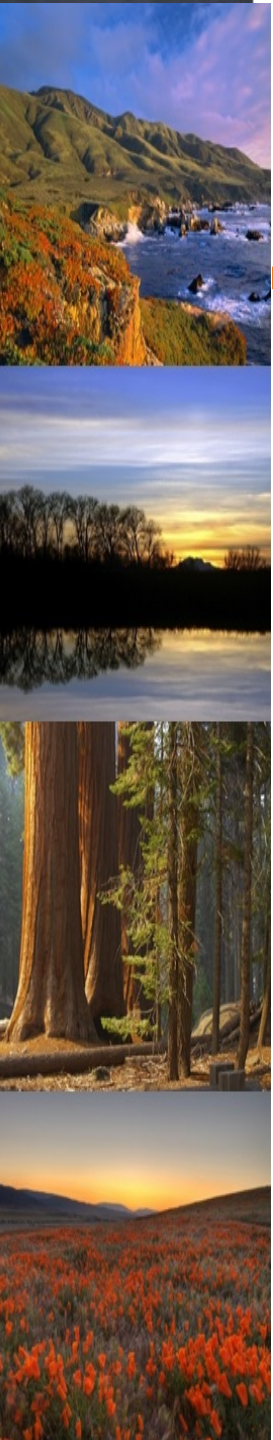
Project seeks to align and support ongoing planning & programs

For Example:

- CalTrans & DWR RAMP
- CDFW SWAP
- CVJV Implementation Plan
- DWR Flood System Conservation Strategy
- Proposition 1 projects
- Refuges/Wildlife Reserves
- Other conservation programs



Conservation Objectives



Objective 1. Conserve resilient and adaptable ecosystems that sustain future Central Valley biodiversity.

Objective 2. Promote landscape-scale connectivity and ecological and physical processes that function within current and future ranges of variability to support a diverse and thriving Central Valley.

Objective 3. Reduce the impacts of climate change and other co-occurring stressors to Central Valley ecosystems.



Conservation Objectives

Objective 1. Conserve resilient and adaptable ecosystems that sustain future Central Valley biodiversity.

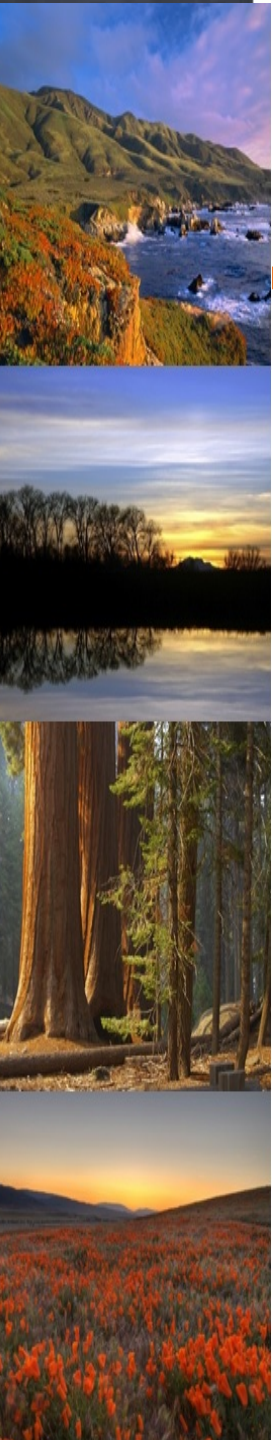
Outcome:

1. A broad set of partners are working under common understanding of goals and objectives for priority natural resources.
2. Assessment of current and anticipated future natural resource conditions.

Objective 2. Promote landscape-scale connectivity and ecological and physical processes that function within current and future ranges of variability to support a diverse and thriving Central Valley.

Objective 3. Reduce the impacts of climate change and other co-occurring stressors to Central Valley ecosystems.

Conservation Objectives



Objective 1. Conserve resilient and adaptable ecosystems that sustain future Central Valley biodiversity.

Objective 2. Promote landscape-scale connectivity and ecological and physical processes that function within current and future ranges of variability to support a diverse and thriving Central Valley.

Outcome:

1. A spatially explicit description of desired future natural resource conditions.

2. Associated maps depicting climate smart actions.

Objective 3. Reduce the impacts of climate change and other co-occurring stressors to Central Valley ecosystems.

Conservation Objectives



Objective 1. Conserve resilient and adaptable ecosystems that sustain future Central Valley biodiversity.

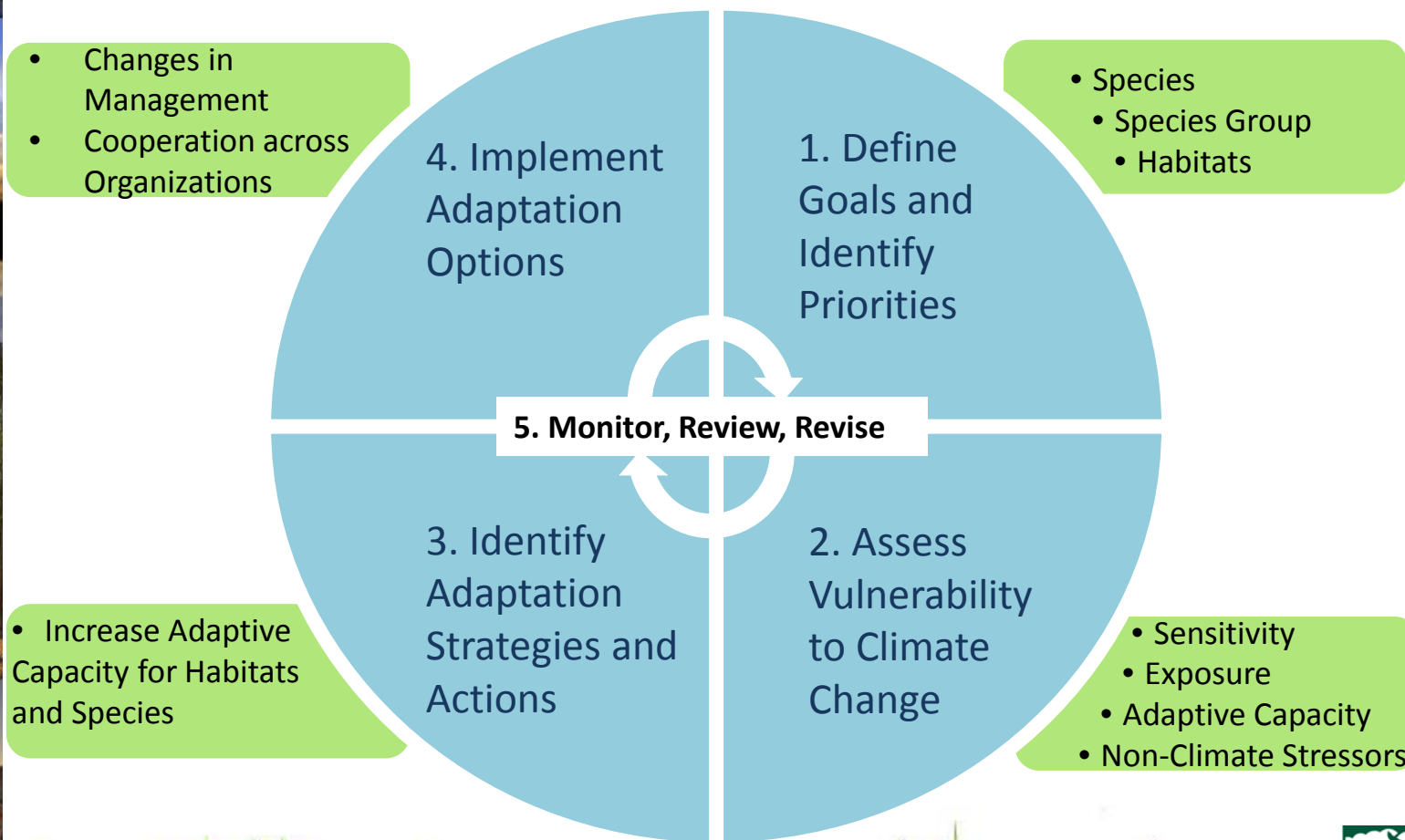
Objective 2. Promote landscape-scale connectivity and ecological and physical processes that function within current and future ranges of variability to support a diverse and thriving Central Valley.

Objective 3. Reduce the impacts of climate change and other co-occurring stressors to Central Valley ecosystems.

Outcome:

1. A partnership-led set of adaptive strategies and actions for achieving desired future conditions.
2. Online toolbox containing integrated data and locations where actions can be taken by organizations.

Climate-Smart Process





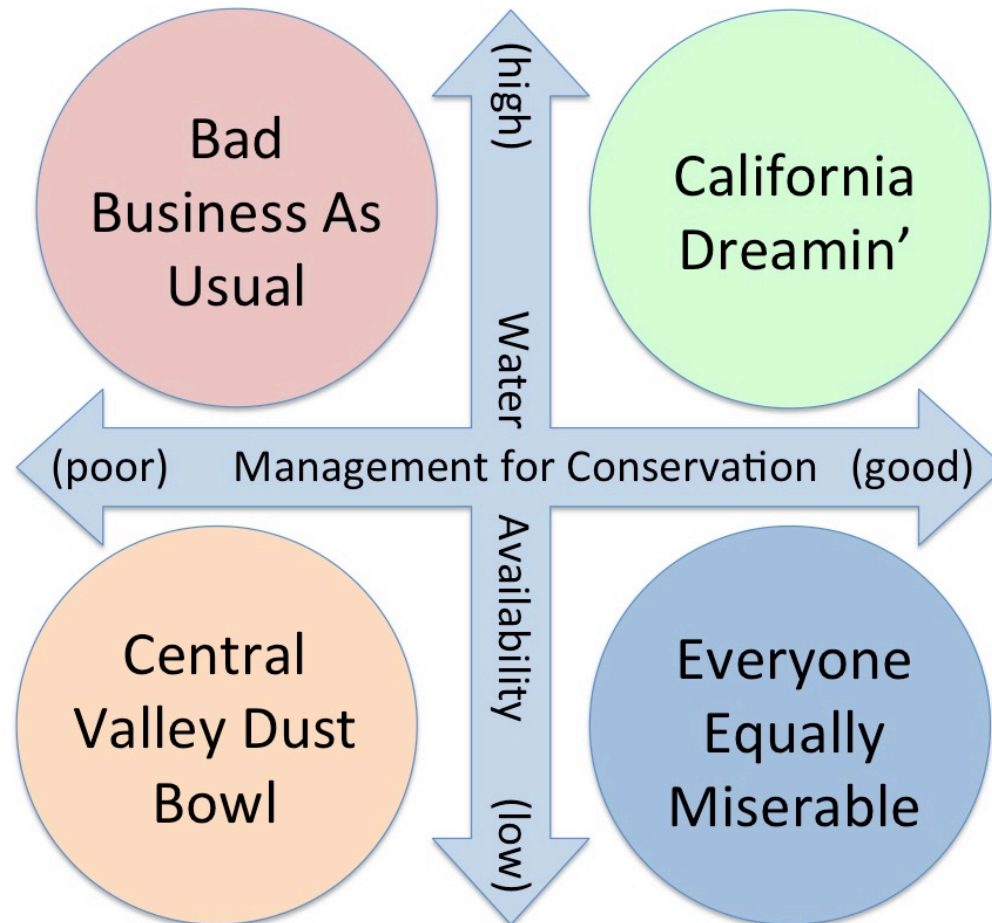
The Central Valley Landscape Conservation Project

Climate-Smart Process



Central Valley Future Scenarios Workshop

March 2015



Priority Natural Resources Workshop

June 2015



Goal - “develop a list of Central Valley priority natural resources for climate change vulnerability analyses and adaptation strategies with the intention of addressing key management questions of our partners”

Drafting Priority Natural Resource Lists

1. Reviewed 11 large plans (SWAP, Water Plan, CVJV, etc.)
 - Species, habitats, ecosystems
2. Ran list through larger database of plans
 - Increase sample size of plans and species



The Riparian Bird Conservation Plan

A strategy for reversing the decline of riparian associated birds in California



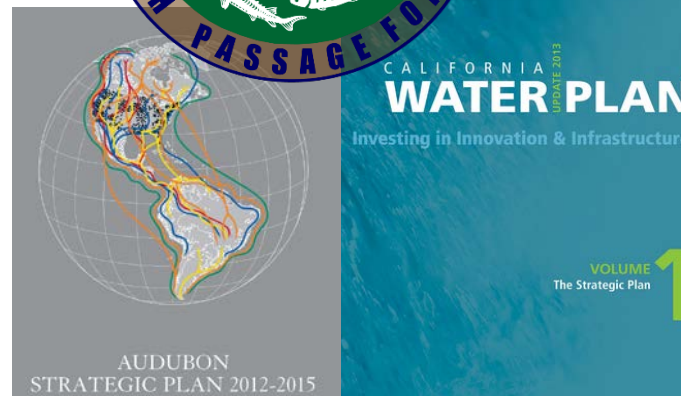
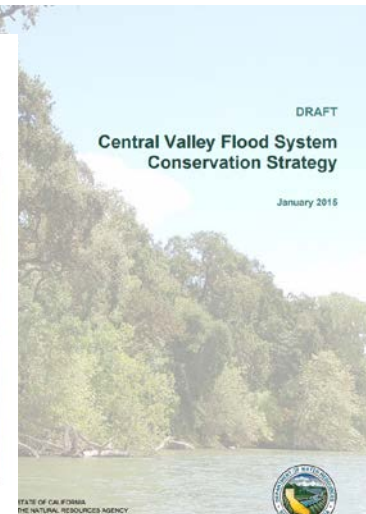
A project of California Partners in Flight and the Riparian Habitat Joint Venture



Conservation Plan for the Tricolored Blackbird
(*Agelaius tricolor*)



Photo by William J. Hamilton III



Inventory of Central Valley Conservation Efforts



California Landscape Conservation Cooperative

Climate Commons

[Home](#)[Datasets](#)[Documents](#)[Web Resources](#)[CA LCC Projects](#)[Get Started](#)[Contact Us](#)

Article

Central Valley Conservation Efforts

Plans

Programs

Projects

Partnerships

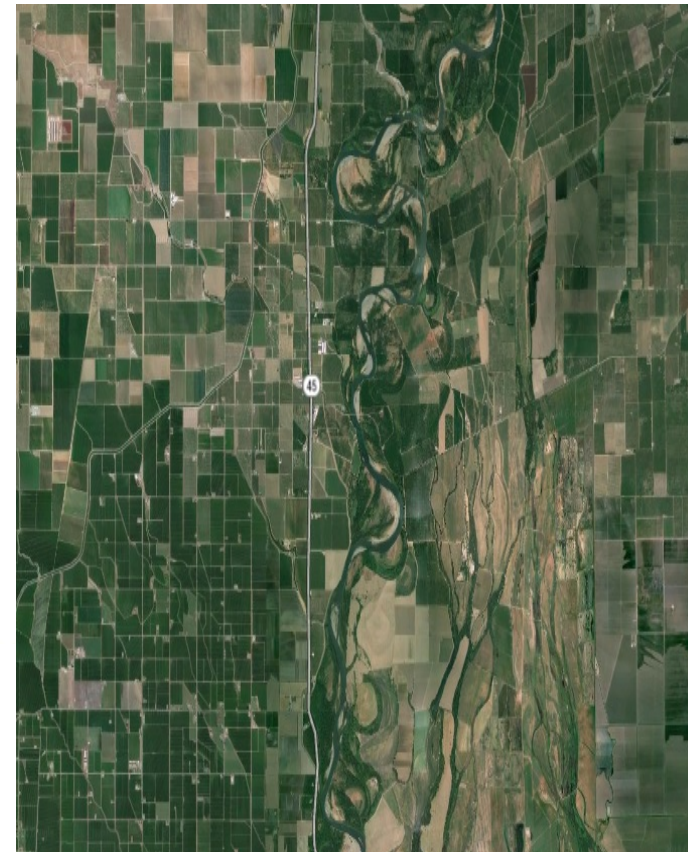
Listed here are existing conservation efforts in the California Central Valley including projects, plans, programs, and partnerships. The Central Valley hosts a diversity of conservation efforts that vary widely in their partners, scale, and goals.

These efforts provide the **Central Valley Landscape Conservation Project** a foundation upon which to build a comprehensive partnership and guide identification of goals and priority resources.

Images courtesy of Patrick Huber.

Drafting Priority Natural Resource Lists

- **272** total species
- **24** habitats/ecosystems
- **70** Plans with Management Relevance
 - Habitat assemblages
 - Taxonomic group
- T & E status



Priority Natural Resources Workshop

June 2015

One Full Day:

30 Experts representing
16 Organizations

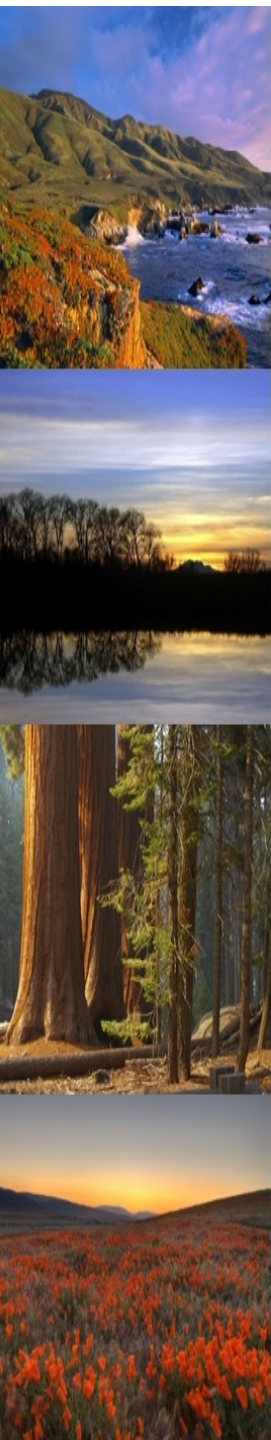
Over several weeks:

Incorporated feedback
from Project Development
Team and Leadership
Team

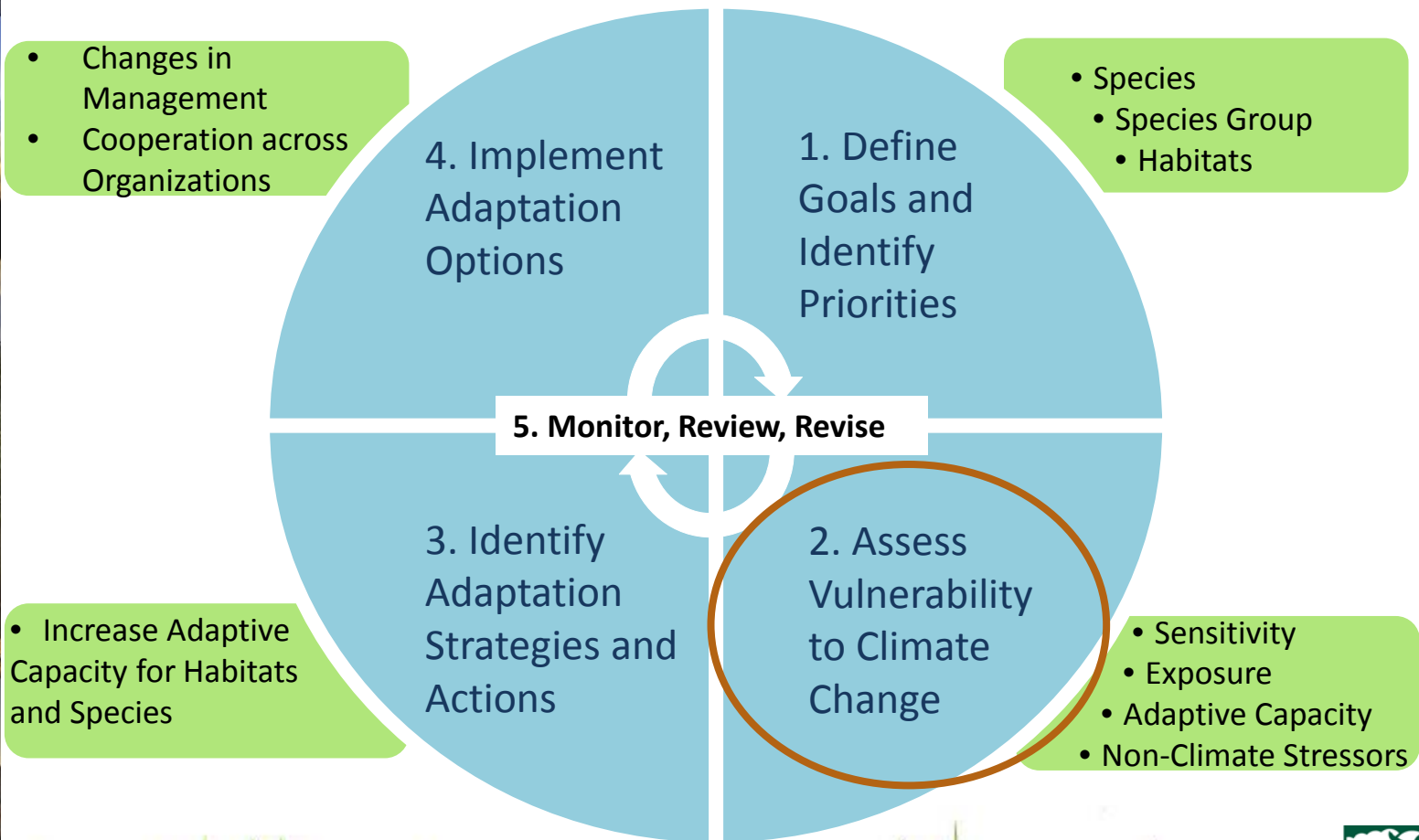
Results of Workshop:

- Identified 17 habitats,
19 species groups, and
17 species





Climate-Smart Process



Vulnerability Assessment Workshop

October 2015

Two Full Days:

37 Experts representing
16 Organizations

Results of Workshop:

Participants 31 VAs of 53
originally identified PNRs.

Currently Completing VAs by:

Gathering additional expert
input and conducting
literature review of PNRs.



Vulnerability Assessments

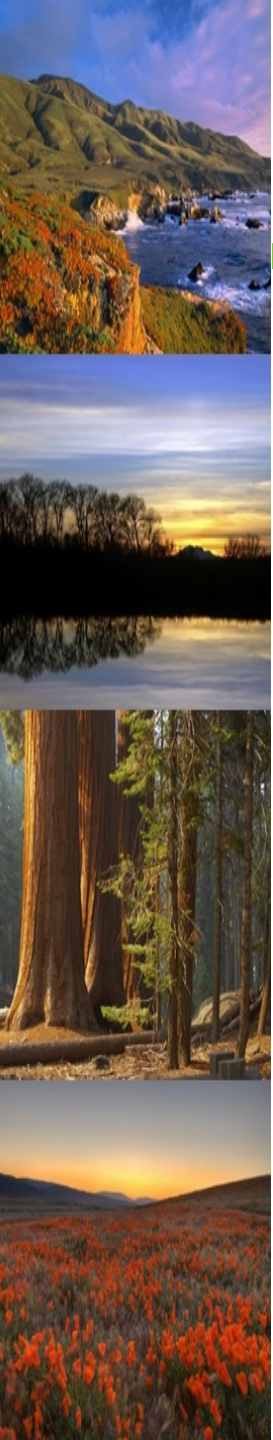
Workshop October 2015

Results from expert elicitation only

Vulnerability: 1 (low) - 5 (High)

Confidence: 1 (low) - 3 (High)

Sub-habitats	Vulnerability	Confidence
Floodplain and riparian vegetation	5.0	3.0
Stream channel	5.0	3.0
Dunes	5.0	3.0
Oak woodland and oak foothill pine woodland	4.0	4.0
San Joaquin desert	4.0	3.0
Vernal pools and swales	4.0	2.0
Flooded cropland	4.0	1.0
Chaparral and serpentine shrublands	3.0	3.0
Permanent wetlands	3.0	3.0
Seasonal wetlands and saline playas	3.0	3.0
Grasslands	3.0	3.0



Vulnerability Assessments

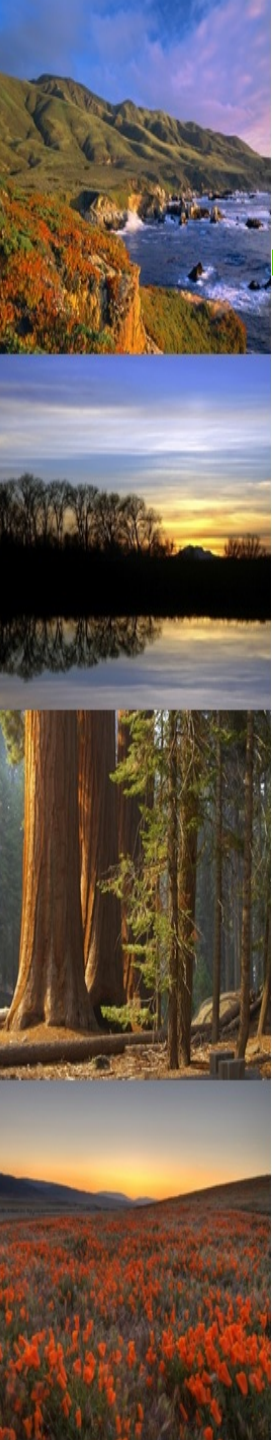
Workshop October 2015

Results from expert elicitation only

Vulnerability: 1 (low) - 5 (High)

Confidence: 1 (low) - 3 (High)

Species Groups	Vulnerability	Confidence
Western bumblebee and pollinators	5.0	3.0
Salmonids	5.0	3.0
Wetland-dependent reptiles	4.5	2.0
Breeding water birds	4.0	3.0
Burrowing mammals	4.0	3.0
Vernal pool crustaceans	4.0	2.0
Dragonflies and damselflies	3.5	3.0
Large wide-ranging mammals	3.0	3.0
Cavity nesters and roosters	3.5	2.0
Wintering waterfowl and shorebirds	3.0	3.0
Riparian nesting birds	3.0	2.5
Wetland-dependent mammals	2.0	3.0



Vulnerability Assessments

Workshop October 2015

Results from expert elicitation only

Vulnerability: 1 (low) - 5 (High)

Confidence: 1 (low) - 3 (High)

Individual Species	Vulnerability	Confidence
Valley oak	5.0	3.0
Yellow-legged frog	5.0	3.0
Blunt-nosed leopard lizard	5.0	3.0
CA tiger salamander	5.0	3.0
Tricolored blackbird	4.0	3.0
Green sturgeon	4.0	3.0
Pacific lamprey	4.0	3.0
Yellow-billed magpie	3.5	2.5
Red-legged frog	3.0	3.0



The Central Valley Landscape Conservation Project

Climate-Smart Process





Questions?

