

The background of the entire page is a collage of four distinct California landscapes. The top-left image shows a coastal scene with a rocky shore, waves crashing against the rocks, and a field of vibrant orange poppies in the foreground. The top-right image is a dense forest of tall, slender trees, likely redwoods or sequoias, with sunlight filtering through the canopy. The bottom-left image depicts a vast, open landscape at sunset or sunrise, with rolling hills and a field of orange poppies. The bottom-right image shows a sunset over a body of water, with the sky painted in warm orange and yellow hues. A large, semi-transparent dark blue rectangle is overlaid on the left side of the collage, containing the title and subtitle text. A thin white vertical line is positioned to the left of this rectangle.

California Landscape Conservation Cooperative

Where We've Been...
Where We're Going

About Us

The California Landscape Conservation Cooperative (CA LCC) is one of 22 LCCs established by the U.S. Department of the Interior in September 2009, under Executive Order 3289. These LCCs serve as a network of public-private partnerships that provide shared science to ensure the sustainability of America's land, water, wildlife and cultural resources. As collaboratives, LCCs seek to identify the most effective conservation approaches, connect research efforts with resource managers by sharing knowledge, and identify gaps while avoiding duplication through improved conservation planning and design. Partner agencies and organizations collaborate on projects while working within their existing authorities and jurisdictions.

The purpose of the CA LCC is to address the impacts of climate change and other stressors at a landscape scale by promoting integrated science, natural resource management and conservation.

LCCs combine the resources and strengths of resource management agencies and science entities from federal, state, and local governments, tribes, universities, non-governmental organizations and landowners. The CA LCC is connecting existing groups and creating stakeholder communities charged with providing scientific and technical support for landscape-scale conservation in an adaptive management framework. A Steering Committee guides the continued development of the CA LCC. It is composed of representatives from the following organizations.

CA LCC Steering Committee

Federal Agencies

Bureau of Reclamation
National Marine Fisheries Service
National Park Service
Natural Resources Conservation Service
US Fish & Wildlife Service
US Forest Service
US Geological Survey

State Agencies

California Coastal Conservancy
California Department of Fish and Game
California Department of Water Resources

Non-Governmental Members

Conservation Biology Institute
Joint Venture
PRBO Conservation Science
Southwest Climate Science Alliance
The Nature Conservancy

Currently Unfilled

Tribes
Fish Interests

“ The CA LCC is a management-science partnership created to inform and promote integrated science, natural resource management and conservation to address impacts of climate change and other stressors within and across ecosystems. ”

About Us

In 2010, an Interim Steering Committee (ISC) was created to assist in the development of the CA LCC. The ISC was invaluable in launching the CA LCC program and providing leadership and direction to early, important decisions. Supporting the ISC and the new, final Steering Committee are the CA LCC staff.

CA LCC Coordinator

Debra Schlafmann

Facilitates Steering Committee meetings, ensures information is communicated to all members, maintains LCC records, and ensures decisions are implemented. The Coordinator is also the liaison between CA LCC subcommittees and the Steering Committee and maintains close connection with other established LCCs.

CA LCC Science Coordinator

Rebecca Fris

Leads technical subcommittee(s) and coordinates and disseminates data and information, including project results, among CA LCC members and the CA LCC community. The Science Coordinator works with Science Coordinators from other LCCs to collaborate and coordinate information.

Research Ecologist

Brady J. Mattsson

Works closely with the Coordinator and Science Coordinator to provide support and guidance on complex problem solving such as how to use structured decision making. Ensures close connection and coordination with other USGS scientists and assists in integrating science with resource management actions.



*The shaded green area is the geographic scope of the CA LCC.
For more information, visit: www.californialcc.org*

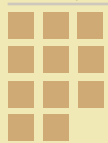
Accomplishments

One of the main goals of the CA LCC is to help resource managers and scientists work together to address the impacts of climate change across ecosystems. Throughout the first two years of the CA LCC, many important achievements were made to build the foundation of reaching this goal.

- The CA LCC funded projects that support development of information through research, data collection and organization, and forecasting future scenarios of environmental changes. Projects also include disseminating information in a manner that is usable by resource managers and/or supporting forums to exchange information and expertise. These projects and their associated funding help further the goals of each individual organization partner, and the shared goals of the CA LCC to bring the right information to the right places.
 - In 2010, 11 projects were funded for over \$900,000 with another \$1 million leveraged with partner contributions.
 - In 2011, over \$1.2 million was distributed to 14 project recipients and more than \$2 million was leveraged with partner contributions.
- The ISC established the CA LCC Purpose and Goals and the CA LCC Charter (which describes the organizational structure and governance of the CA LCC.)
- The CA LCC conducted technical workshops, hosted several events to gather the CA LCC stakeholder community (defined as "Alliance" in future documents), created a central website, established a CA LCC Alliance listserve to facilitate rapid distribution of important information, developed an organizational structure and governance rules, and hired staff to help manage it all.

The CA LCC has convened a Steering Committee that is representative of the entire geographic scope and natural resource interest of the CA LCC. This new Steering Committee will guide the continued development of the CA LCC and will provide leadership and decision-making, including key work on the CA LCC strategic plan.

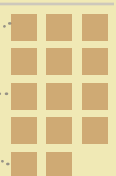
11 Projects funded for over **2010**



\$900,000

With \$1,000,000 Leveraged with Partner Contributions

Distributed funds to 14 Project Recipients **2011**



\$1,200,000

With more than \$2,000,000 Leveraged with Partner Contributions

Visit www.californialcc.org for detailed information about these projects.

PROJECT SPOTLIGHT

One of the first projects funded by the CA LCC has successfully reached its goal.

This project provides natural resource managers with a web-based tool to easily access information on the expected variation in avian responses to environmental change across a variety of species and landscapes from the San Francisco Bay to the Central Valley of California. This project was developed as a collaborative effort between the US Geological Survey, PRBO Conservation Science, California Waterfowl Association, and University of California Davis.



Bob McLandress

2010 Project Title

Avian demographic response to climate change: a multi-species and multi-landscape approach to synthesizing risk factors

Project Leader

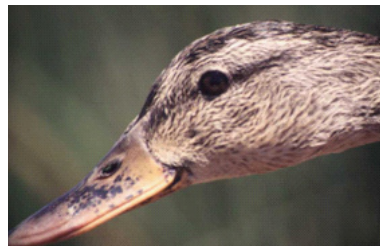
Josh Ackerman, US Geological Survey, Western Ecological Research Center

Funding

\$99,925

Website

<http://data.prbo.org/apps/aviandemog>



Josh Ackerman

Some of the significant research findings:

- Waterfowl nest survival declined with mean daily temperature at both the Delta and Central Valley breeding habitats.
- Waterfowl egg hatching success declined strongly with extreme temperatures, and egg hatching success is projected to decline in the future as the climate warms. This expected decline in hatching success is especially pronounced for waterfowl nesting in the Central Valley where temperatures can become extremely high without the cooling and stabilizing properties of the bay and coastal regions.
- Songbirds appeared less sensitive to temperature and precipitation patterns, and song sparrow and wrenit nest survival may actually increase with warmer temperatures.
- Waterfowl demographics appear to be strongly related to climate variables whereas songbird demographics are not. This could be due in part to differences in habitat type among species, as many of the strongest relationships with temperature occurred for ducks nesting in the Central Valley where temperatures can be extremely hot without the moderating influence of the bay and coastal regions.

2011 Status

Due to the funding provided and the matching funds acquired, the analyses are completed and can be viewed on the project's website. According to the project leader, Dr. Ackerman "our biggest accomplishment is the detailed analysis of several of the longest-term datasets on breeding birds in California. These analyses show some potentially important effects of climate variables - temperature and precipitation - on avian demography. The website should be very useful to natural resource managers and they can easily access these relationships between climate variables and several demographic parameters (like nest success and timing of arrival on breeding grounds) for species and habitats they are interested in.

Future Plans

With the selection and convening of the full Steering Committee, the CA LCC turns a new and exciting page. The CA LCC is now effectively represented across its geographic scope. It is time to establish the priorities and issues that will guide the CA LCC in to the future. Immediate milestones for the CA LCC include:

- Establish and convene subcommittees
- Develop Conservation Objectives
- Seek partners with skills to help meet common goals

Subcommittees

The subcommittees provide focused leadership on key topics. They will advise CA LCC staff, and will provide recommendations to the full Steering Committee.

Science Subcommittee

This subcommittee will assist with identifying the science and technical needs for the CA LCC.

Outreach and Communications Subcommittee

This subcommittee will focus on efforts to enhance outreach and communication with CA LCC partners, the general public and media related to work of the CA LCC.

Strategic Planning Subcommittee

This subcommittee will develop a strategic planning process to be started in Fall 2011.

Strategic Plan

The Strategic Plan is a critically important next step for the CA LCC. To date, the LCC has completed initial work such as establishing governance, organizational structure, and project funding. It is now time to take a thoughtful, long-range view of what the CA LCC needs to achieve, how it will do so under a variety of circumstances that may happen over the next 5 years, and how throughout such changes, the CA LCC can provide valuable support to the alliance of specialists we serve. The multi-phase Strategic Planning process will guide the development of the CA LCC's short and long-term conservation objectives, the specific timeframes to achieve those objectives, and the specific actions needed to achieve them. As a part of the strategic plan, two other goals have been identified as important to complete this coming year.

Science Plan

The Science Plan will identify the research and projects necessary to meet the objectives identified in the Strategic Plan. The Science subcommittee will help in development of this longer-term plan that includes evaluating existing information, identifying critical gaps in information and ensuring CA LCC activities follow an adaptive management process.

Outreach and Communications Plan

This plan will guide the strategic intent for CA LCC communications, and informs work load projections so that CA LCC staff can plan staffing and other resource needs for each year. The plan will be periodically revised to reflect changing conditions and will be guided in part by the Outreach and Communications subcommittee as well as by a Communication Specialist, expected to be hired by early Winter 2011.

Schedule/Timeline

The following presents a general timeline of CA LCC planning activities and milestones for the remainder of calendar year 2011 through mid 2012. These planning activities will help us generate our conservation objectives and also identify the steps to smartly connect scientists and natural resource practitioners on the right issues.

Date	Activity
October-November	Conduct Strategic Plan Phase 1 (Phase 1) surveys of partnerships
November	Prepare Phase 1 report
Mid-December	Steering Committee meeting to review Phase 1 report and provide direction for subcommittees
January 2012	Science team convenes to review existing projects and develop recommendations for 2012 priorities and process
February	Steering Committee meets to approve 2012 priorities and project process Conduct Strategic Plan Phase 2 interviews of Steering Committee and resource managers
March	Implementation of 2012 approved process for priority activities & projects Develop Phase 2 report
April	Steering Committee and Alliance feedback on Phase 1 and 2 findings
May	Phase 3 - Draft Strategic Plan
June	Steering Committee approves Strategic Plan
July	Begin implementing elements of Strategic Plan



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