

An aerial photograph of a river delta, likely the Sacramento-San Joaquin River Delta, showing a complex network of water channels and agricultural fields. The water is a deep blue, and the fields are various shades of brown and tan, indicating different crops or stages of harvest. The overall scene is a mix of natural waterways and human-made agricultural land.

Central Valley Habitat Exchange

A Voluntary Program Creating New Financial Returns for Landowners

Introduction & Overview

July 1, 2014

Farmers, ranchers and forestland owners manage **3/4** of the private land in America.

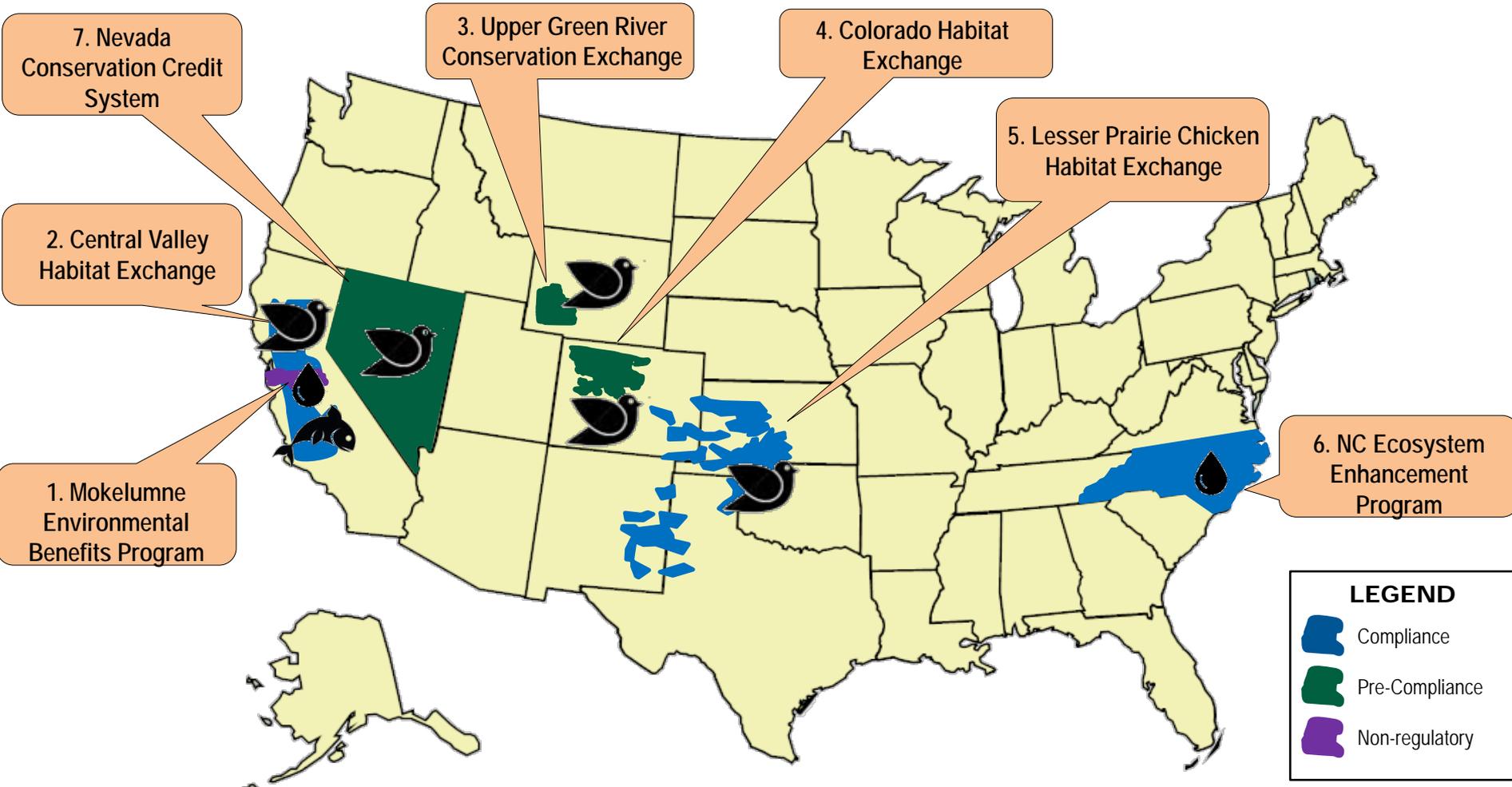


How do we create incentives
to protect the environment
while preserving rural, working
landscapes?

Our Vision



Habitat Exchanges at Work



 **Birds** (Greater sage-grouse, Lesser prairie chicken, Swainson's Hawk, Riparian songbirds)

 **Water** (water quality, increased flood capacity, stream mitigation)
 **Fish** (salmon, steelhead)

Central Valley Habitat Exchange - Goal

Create an efficient framework for habitat conservation in the Central Valley that will engage private landowners to fulfill state conservation goals while improving ecosystem function.



Collaborative Effort

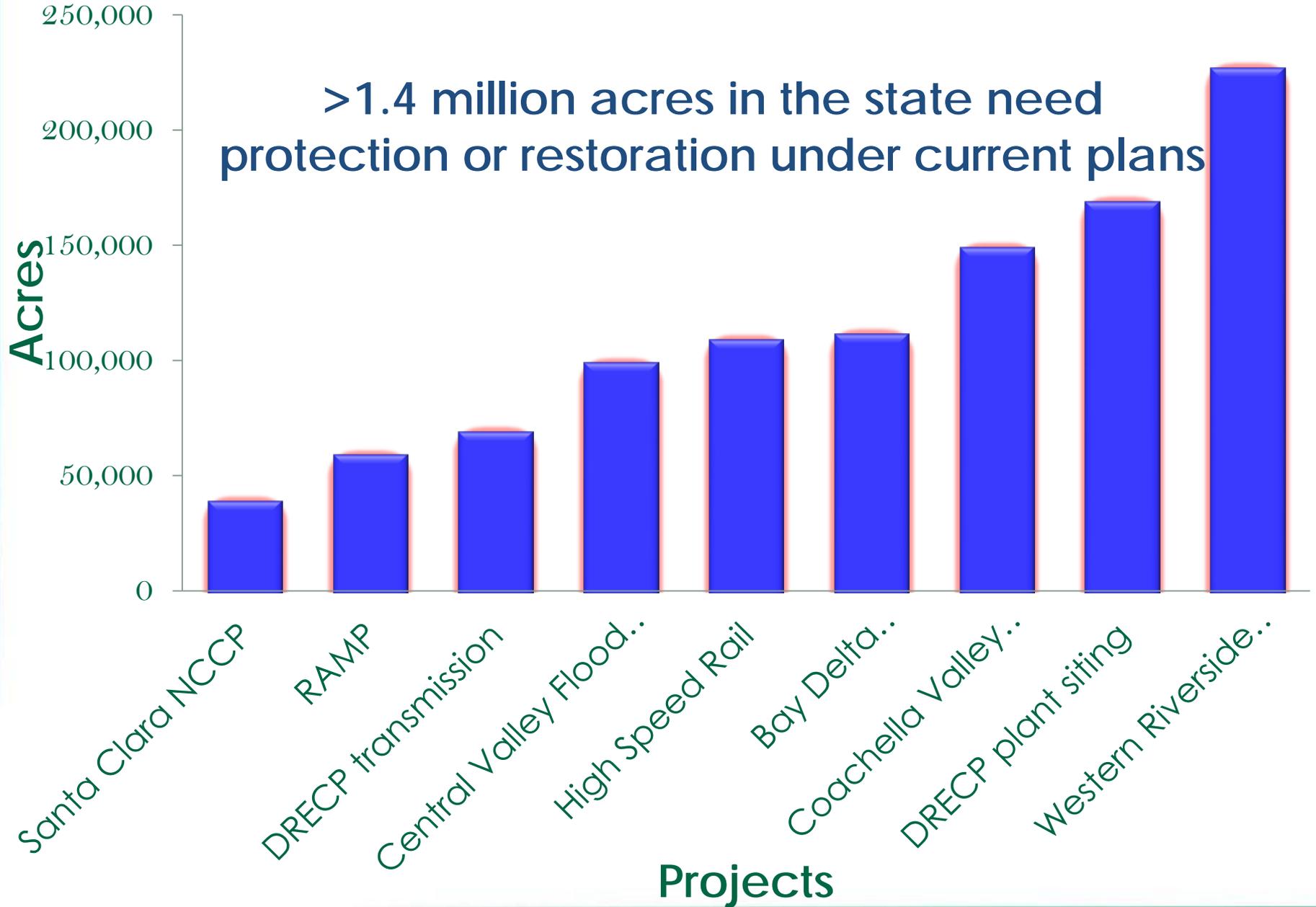


CVHE Vision

- Public and private sectors engage in accountable and transparent investments in sustainable resource management in the Central Valley.
- Landowners compensated for sustainable management practices/restoration activities that result in measurable improvements.
- Healthier streams, resilient floodplains and riparian corridors, resulting in jobs, cost savings, and other societal benefits.

Acres of Conservation Needed

>1.4 million acres in the state need protection or restoration under current plans



Mitigation & Conservation Challenges

An aerial photograph of a large concrete dam with a reservoir behind it. The dam is situated on a rocky, hilly terrain. The reservoir is a deep blue color. In the foreground, there are green fields and a winding road. The sky is clear and blue.

1. Lack of a standardized process and tools
2. Cumbersome planning and regulatory approval
3. Private landowners skeptical

The Central Valley Habitat Exchange will...

1. Empower private landowners
2. Quantify habitat benefits
3. Harness the power of the market
4. Provide regulatory certainty
5. Explore innovative and flexible conservation actions



Federally-Listed Species (FESA)

Chinook Salmon 

State-Listed Species (CESA)

Sandhill Crane 

Swainson's Hawk 

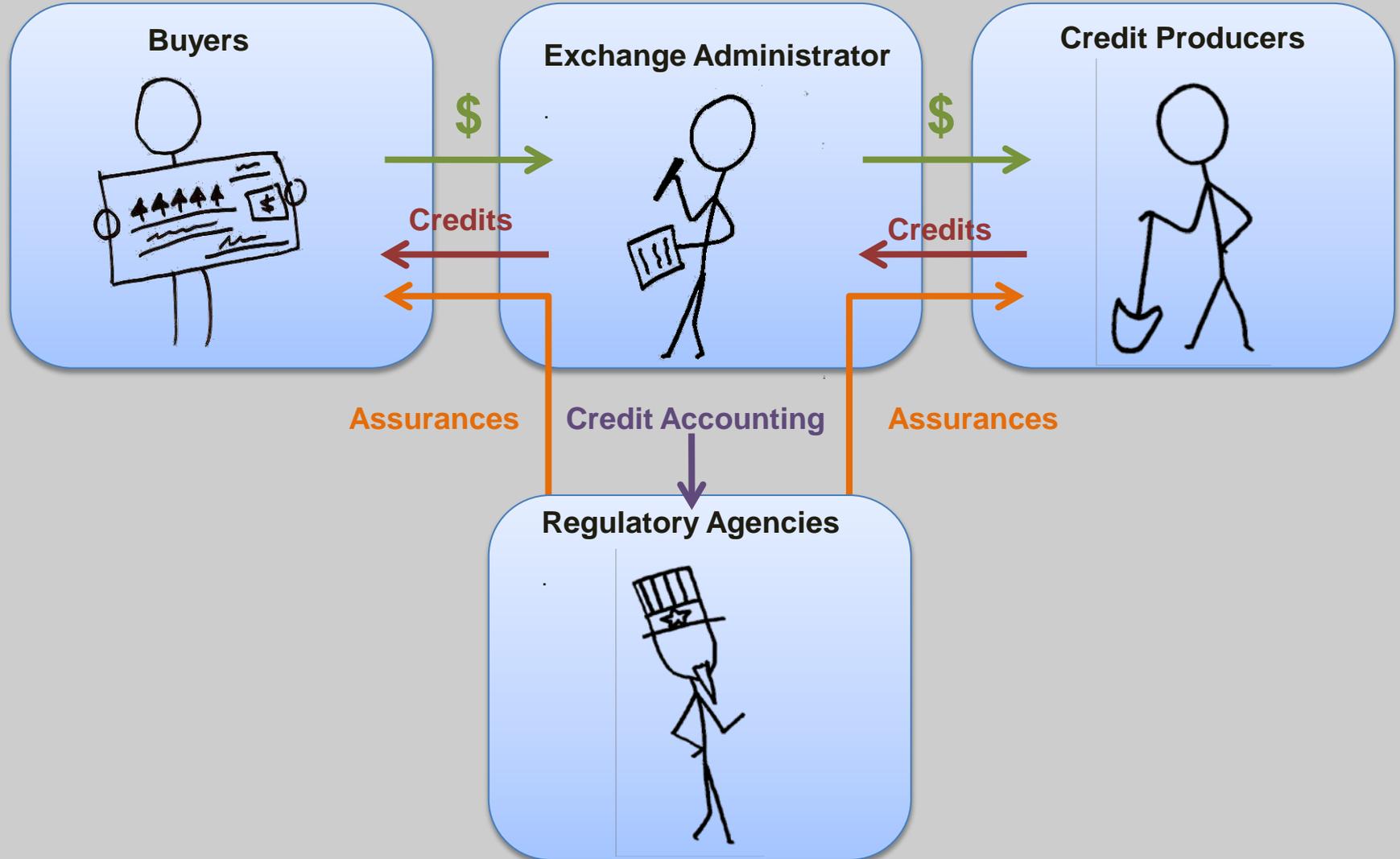
Non-Listed Species

Shorebirds 

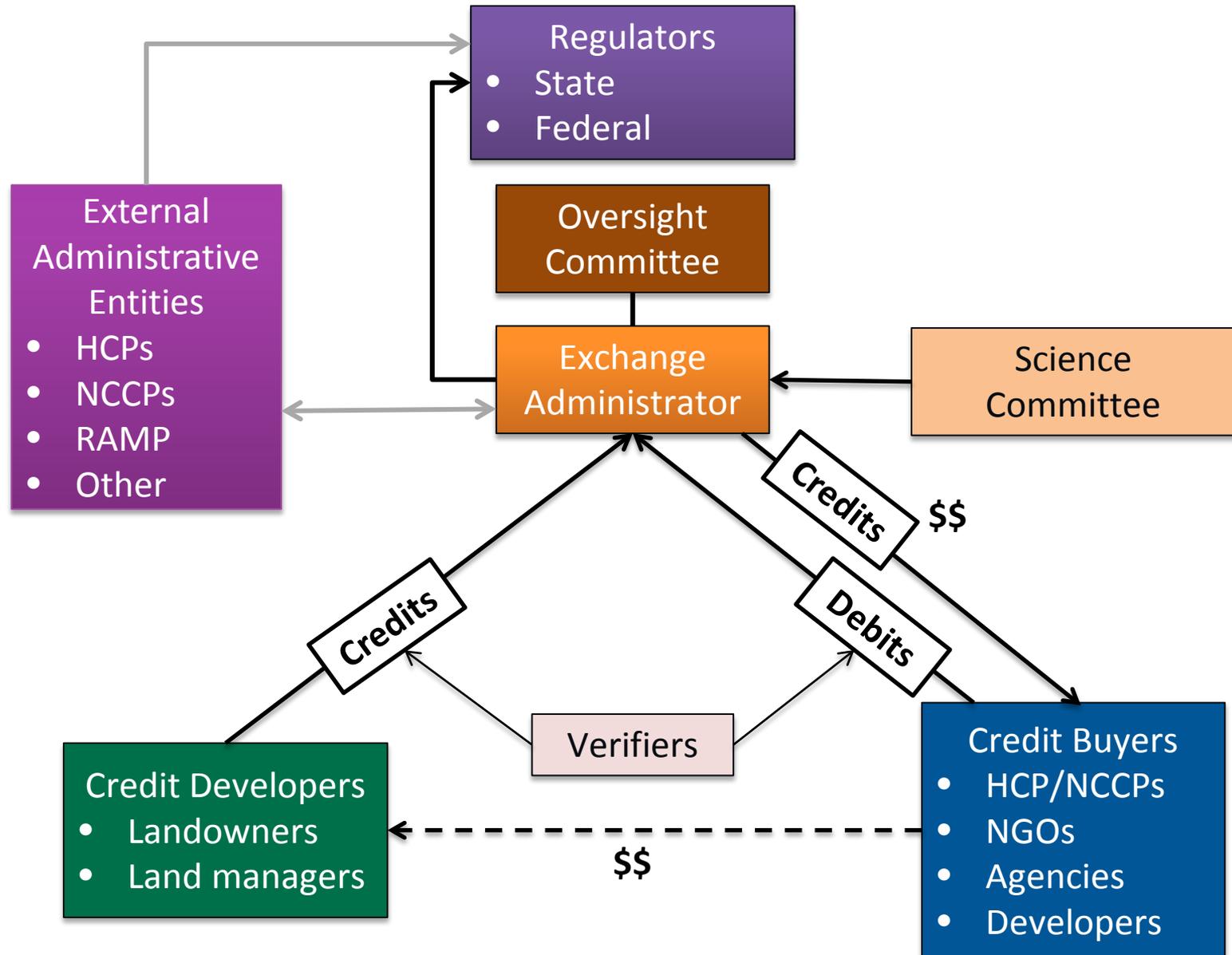
Waterfowl 

Riparian Songbirds 

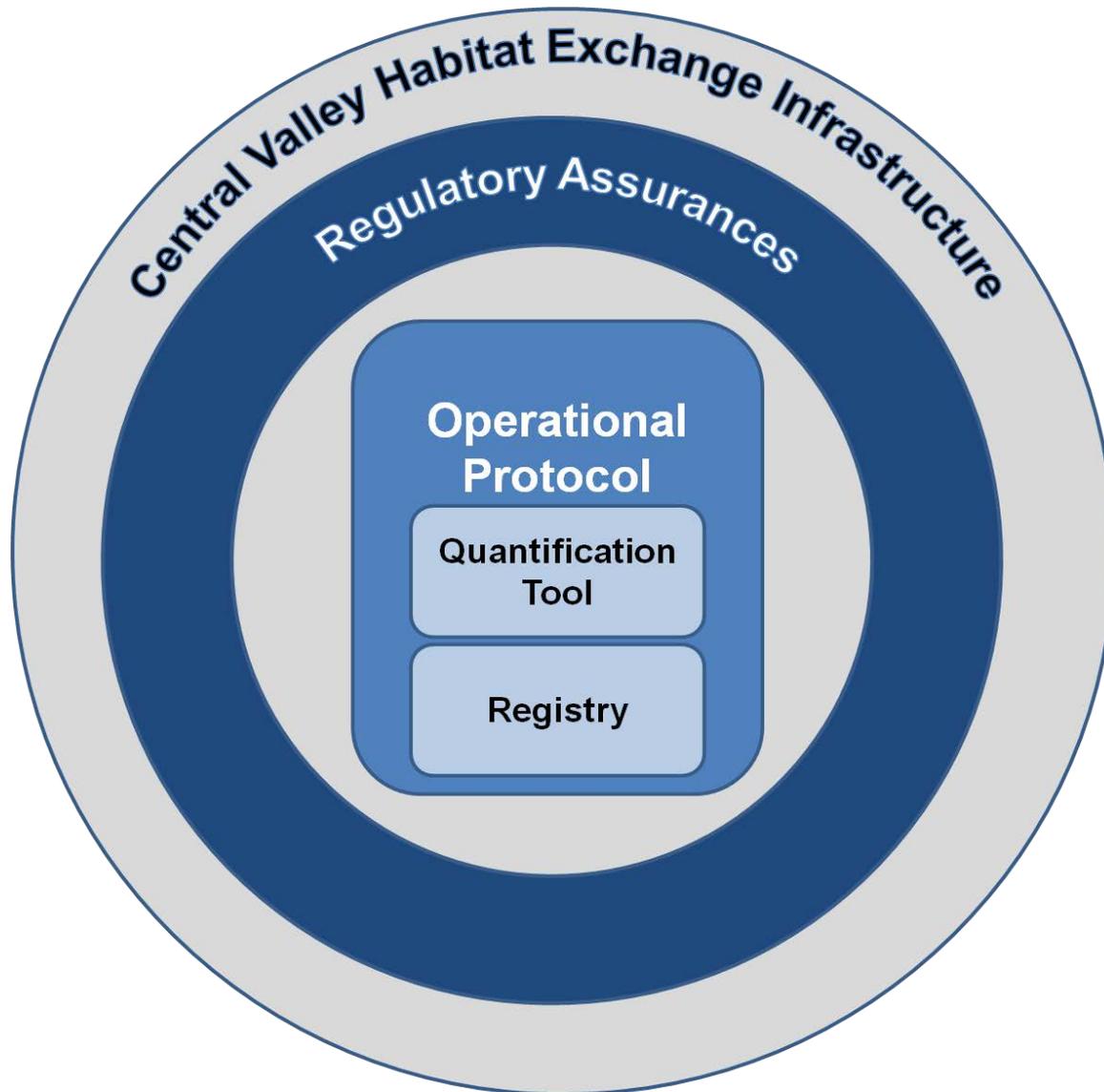
How the Exchange Works



Organizational Structure



Essential Exchange Components



A Swainson's Hawk is shown in flight against a clear blue sky. The hawk's wings are spread wide, and its tail is visible. The bird is positioned centrally, with its head facing right. The background is a solid, light blue color.

CVHE Pilot Project

- **Timeline: One year (Mar 2014 to Mar 2015)**
- **Target species: Swainson's Hawk**
- **Project sites: Yolo & Sacramento Counties**
- **Major goal: Demonstration of Concept**