

# CVPIA Habitat Restoration Program

U.S. Department of the Interior



# **Management**

## **Co-Leads**

**John Thomson FWS**

**Chuck Solomon BOR**

# Objectives of HRP

- **Protect and restore native habitats impacted by CVP.**
- **Stabilize and improve populations of native species impacted by CVP. Initial focus is on listed species.**
- **Minimize conflicts with current and ongoing CVP projects and programs.**

# Central Valley of California





# Technical Team

- **Bureau of Reclamation**
- **Fish and Wildlife Service**
- **California Department of Fish and Game**

# Project Selection

- **CVP Nexus**
- **Presence of T&E species**
- **Presence of native species**
- **Ecosystem or multiple species benefits**
- **Mitigation of adverse impacts**
- **Cumulative & long-term benefits**
- **Project connectivity**

# Implementation Activities

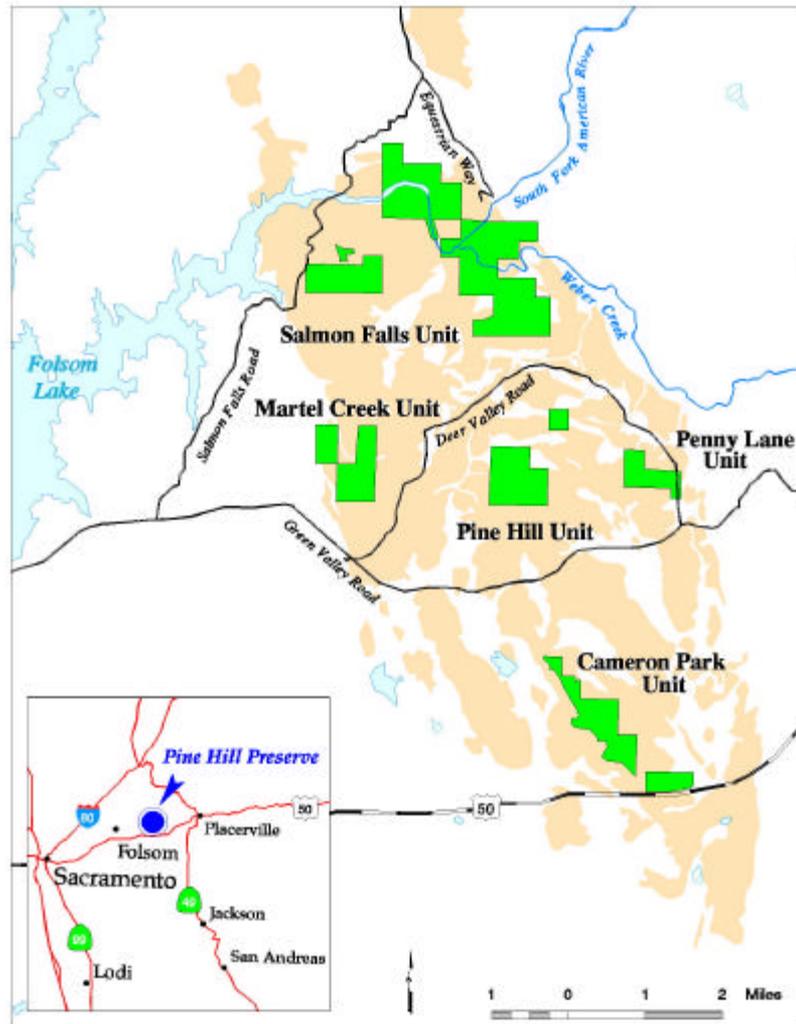
- Acquisition
- Conservation Easement
- Habitat Restoration
- Habitat Management
- Studies
- Monitoring

# Background

- **Initiated in FY 1996**
- **Funding: \$16.5 million total**
- **Currently funded @ 1.5 million/year**
- **Funded 53 projects since 1996**
  - ~89,000 acres protected (fee title or conservation easement)
  - Restoration / management (~9)
  - Surveys / studies (~12)

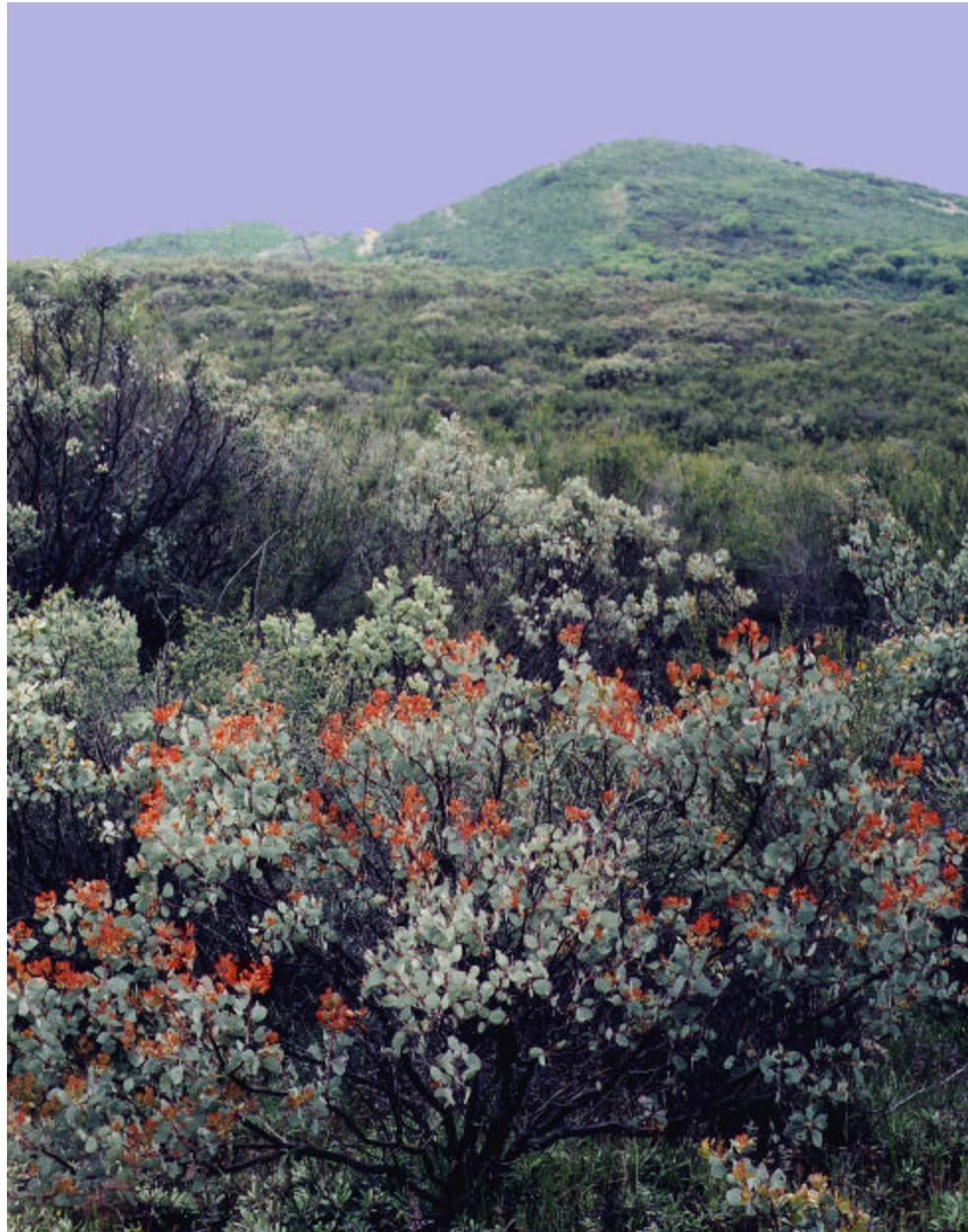
# Projects Funded in FY 2002

<b>Pine Hill Reserve</b>	<b>\$ 400,000</b>
<b>Giant Garter Snake Monitoring-Colusa NWR*</b>	<b>38,060</b>
<b>Riparian Brush Rabbit *</b>	<b>448,000</b>
<b>Deer Creek Hills</b>	<b>200,000</b>
<b>Butte County Vernal Pools</b>	<b>161,000</b>
<b>CSU GIS Habitat Trend Analysis*</b>	<b>20,000</b>
<b>Giant Garter Snake Surveys, Grassland WD</b>	<b>171,760</b>
<b>Llano Seco Riparian Restoration</b>	<b>74,995</b>
<b>Program</b>	<b>FWS ~148,800</b>
<b>Administration</b>	<b>BR 75,000</b>
<b>*ongoing/funded previously</b>	
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	<b>1,737,615</b>



## Pine Hill Preserve

- Current Preserve Units
- Gabbro Soils and Project Area



































# Recommended Projects for Funding in FY 2003

Riparian Brush Rabbit	\$ 300,000
Giant Garter Snake Monitoring - Colusa NWR	58,700
Giant Garter Snake Surveys –San Luis NWR	39,200
Other Project Funding *	790,026
Program Administration (FWS & BOR)	312,074

\*Directed Actions or 03 PSP

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**1,500,000**

# Priorities for FY 2003

- **Grassland, alkali sink, and alkali scrub in Central Valley**
- **Habitat protection and management of gabbro soils and chaparral**
- **Riparian upland habitat mosaic throughout Central Valley**
- **Vernal pool habitat throughout Central Valley**
- **Serpentine and other unique topo-edaphic habitats supporting endemic species**
- **Oak woodland habitat in Central Valley in association with above habitats.**

# Benefits

- **Increase in biodiversity and ecological functions**
- **Increase in native species populations**
- **Stabilize areas of native habitat**
- **Decrease rate of endangerment of species**
- **Assist in de-listing or down-listing of species**

# Partnerships

- **We are more effective working together than working individually**

**BOR**

**TNC**

**UC Davis**

**FWS**

**TPL**

**CSU Chico**

**USFS**

**ARC**

**CDFG**

**NRCS**

**NFWF**

**WCB**

**BLM**

**Packard**

**Private**