California State Wildlife Action Plan Update 2015

California North Coast Ecoregion

DRAFT STRATEGY: Riparian

GOALS

1. By 2030, reconnect 20 miles of rivers and streams to their natural floodplains occurring in the North Coast Ecoregion

2. By 2040, regain healthy riparian systems in the North Coast Ecoregion consisting of ground cover, shrub layer, and understory canopy with higher relative abundance of native species, reflecting the historical compositions and/or the restored flow regimes and geohydromorphic features occurring in the area.

3. BY 2025, develop and implement a plan to incrementally increase the linear extent and width of riparian vegetation on all major rivers and streams

4. By 2025, provide functional hydrologic regime to restore seasonal and inter-annual flow dynamics through management of water operations (Eel, Klamath, Trinity, Mad, and Russian).

5. By 2025, implement plan to restore riparian systems to achieve multiple age classes of riparian species sustained maintained by reintroduction of natural disturbance regime.

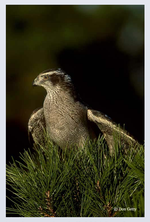
The State Wildlife Action Plan examines the health of wildlife and prescribes actions to conserve wildlife and vital habitat before they become more rare and more costly to protect. The plan also promotes wildlife conservation while furthering responsible development and addressing the needs of a growing human population.

SENSITIVE SPECIES

FRINGED MYOTIS
FOOTHILL YELLOW-LEGGED FROG
DEL NORTE SALAMANDER
CALIFORNIA GIANT SALAMANDER
BANK SWALLOW
AMERICAN BEAVER
NORTHERN GOSHAWK
AMERICAN MARTEN
NORTHERN SPOTTED OWL
RED-BELLIED NEWT
POINT ARENA MOUNTAIN BEAVER
PURPLE MARTIN
FISHER
LONG-LEGGED MYOTIS
LONG-EARED MYOTIS
HUMBOLDT MARTEN
LONG-EARED OWL
WHITE-FOOTED VOLE
WESTERN TAILED FROG
SALTMARSH COMMON YELLOWTHROAT
WILLOW FLYCATCHER
SOUTHERN TORRENT SALAMANDER
SUISUN SHREW
WESTERN POND TURTLE

California giant salamander © 2002 Pierre Fidenci

California tiger salamander © 2007 Danté B Fenolio



Northern goshawk © 2004 Don Getty

Tailed-frog © 2000 Brad Moon

Willow flycatcher © 2005 Stephen Dowlan

ENVIRONMENTAL STRESSES

Habitat fragmentation

Change in community structure or composition

Change in succession processes and ecosystem development

Change in soil moisture

Sea Level Rise

Change in water levels and hydroperiod

Change in spatial extent of target

HUMAN RELATED IMPACTS

Inappropriate Livestock Farming and Ranching

Housing and Urban Areas

Annual and Perennial Non-Timber Crops

Invasive plants/animals

Water Management

TEAM

Name	Organization	Roles
Gordon Lippig	CDFW_R1	Team Lead
Junko Hoshi	CDFW_HCPB	Team Member

STRATEGIES, OBJECTIVES AND ACTIVITIES

1. Habitat Restoration and Enhancement
   a. Objectives
      i. Recover ecological function of keystone species
      ii. Remove or setback levees
   b. Activities
      i. Collect relevant science on topic
      ii. Develop peer-reviewed paper on topic
      iii. Identify, review and revise F&G policies, code, regulations, furbearer management plan
      iv. Coordinate with local, state, and federal agencies
2. Riparian & Wetlands Task Force
   a. Objectives
      i. Bring expertise across CDFW together to solve statewide resource conservation issues
      ii. Improve the CDFW riparian conservation approaches more scientifically sounds.
   b. Activities
      i. Make proposal to the Science Institute
      ii. Coordinate with California Wetlands Conservation Policy and U.S. Fish and Wildlife Service National Wetland inventory
3. Develop CDFW Riparian Conservation Policy
   a. Objectives
      i. Create CDFW policy for the riparian habitats
   b. Activities
      i. Research existing policies for overlap
      ii. Engage leadership policy team
      iii. ID the criteria for impacts including accumulative impacts
      iv. Create working group to develop policy
4. Coordination with RCDs and flood control agencies, counties and cities
   a. Objectives
      i. Restore natural riverine floodplains
      ii. Pool resources and expertise
      iii. Streamline processes
   b. Activities
      i. Work with NRCS and FRGP, identify funding options
      ii. Identify existing conservation incentive programs
5. Education & Outreach
   a. Objectives
      i. Educate the local agencies and public the value of the riparian habitats and the impacts to the system including invasive issues.
      ii. Codevelop a comprehensive invasive eradication and control outreach plan.
   b. Activities
      i. Develop and implement outreach/inreach plan
      ii. Develop outreach and inreach messages
      iii. Develop training curriculum for riparian ecosystems