GOALS

1. Area/extent of community: By 2025, area of the community is maintained or increased in every watershed throughout the ecoregion.

2. Biotic interactions: By 2025, at least 65% of riparian habitat (acres) is dominated by native species.

3. Connectivity among communities and ecosystems: By 2025, greater than 50% of the riparian areas display functional connectivity.

4. Connectivity among communities and ecosystems: By 2025, range of more than one riparian SSGCN is maintained or increased.

5. Hydrological regime: By 2025, surface water flows, both ephemeral and permanent, are restored to mimic historic patterns (hydrographs) of flooding and low flow patterns (+/- 25%).

6. Connectivity among communities and ecosystems: By 2025, the amount of continuous riparian habitat is increased by 10%.

7. Community structure and composition: By 2025, the number of stream miles that display the full range of age classes and vegetation layers (herb, shrub, subrove, trees) is increased.

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

Arroyo Toad
California Newt
California Red-legged Frog
California Tiger Salamander
Mountain Yellow-legged Frog
Western Spadefoot
Southwestern Pond Turtle
Two-striped Garter Snake
Bald Eagle
Belted Kingfisher
Least Bell's Vireo
Mule Duck
Western Grebe
Osprey
Southwestern Willow Flycatcher
Summer Tanager
Swainson's Hawk
Tricolored Blackbird
Vermillion Flycatcher
White-faced Ibis
White-tailed Kite
Yellow Warbler
Yellow-breasted Chat
Yellow-headed blackbird
Big Free-tailed Bat
California Leaf-nosed Bat
Hoary Bat
Jacumba Pocket Mouse
Long-eared Myotis
Mainland Spotted Skunk
Palmdale Sand Pocket Mouse
Pocketed Free-tailed Bat
Ringtail
Southern Grasshopper Mouse
Townsend Big-Eared Bat
Western Red Bat
Yuma Myotis

ENVIRONMENTAL STRESSES

Climate Change: change in precipitation
Change in runoff and river flow
Change in water levels and hydroperiod
Change in flood occurrence, frequency, intensity, and area flooded
Change in groundwater tables
Change in spatial extent of target
Change in community structure or composition
Change in biotic interactions (altered community dynamics)
Change in succession processes and ecosystem development
Habitat fragmentation
Change in sediment erosion-deposition regime
Change in pollutants

HUMAN RELATED IMPACTS

Inappropriate livestock farming & ranching
Invasive Plant/Animal species
Mining & quarrying
Roads & railroads
Incompatible recreational activities
Dams & water management/Use
Household sewage & urban waste water
Avalanches/Landslides
Tourism & recreation Areas
Garbage and solid waste
Fire & fire suppression
Housing and urban areas

TEAM

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
<th>Position</th>
<th>Role</th>
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</thead>
<tbody>
<tr>
<td>Nancy Frost CDFW-R5 Environmental Scientist Process Facilitator; Team Member;</td>
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STRATEGIES, OBJECTIVES AND ACTIVITIES

1. Provide Outreach
   a. Objectives
      i. Areal extent of invasive infestations reduced
      ii. Functioning riparian habitat on private property
      iii. Improved structural diversity
   b. Activities
      i. Identify target audience
      ii. Develop key message
      iii. Conduct economic impact analysis
      iv. Develop public awareness program
      v. Design public education plan
      vi. Partner with others to deliver message

2. Provide input on local planning
   a. Objectives
      i. Areal extent of invasive infestations reduced
      ii. Channel Pattern
      iii. Fewer significant riparian areas are impacted by waste and disturbance
      iv. Improved structural diversity
      v. SSGCN diversity
      vi. Improved water volume
   b. Activities
      i. Encourage use of biofilters for urban runoff
      ii. Maintain treated effluent flows into riparian
      iii. Engage in development and implementation of IRWMPs
      iv. Direct increased resources/staffing towards engagement
      v. In local planning
      vi. Encourage appropriate site-specific native riparian plants for adjacent landscaping
      vii. Communicate BMPs to local planners

3. Advocate for Effective Enforcement of Laws
   a. Objectives
      i. Fewer significant riparian areas are impacted by waste and disturbance
      ii. Identify and regulate riparian areas in need of enforcement
      iii. Identify inventory protocol
      iv. Coordinate with landowners
      v. Identify partners
      vi. Analyze spatial distribution using GIS
   b. Activities
      i. Advocate for Effective Enforcement of Laws
      ii. Gather existing information
      iii. Establish prioritization
      iv. Identify inventory protocol
      v. Coordinate with landowners
      vi. Identify partners
      vii. Analyze spatial distribution using GIS

4. Acquire of Riparian Areas
   a. Objectives
      i. Functioning riparian habitat on private property
      ii. High functioning riparian areas conserved
   b. Activities
      i. Identify and prioritize areas of conservation emphasis (ACE)
      ii. Provide law enforcement with maps of critical problem areas
      iii. Create ACE database viewable by all CDFW staff
      iv. Baseline Inventory

5. Acquire of Riparian Areas
   a. Objectives
      i. Functioning riparian habitat on private property
      ii. High functioning riparian areas conserved
   b. Activities
      i. In lieu fee program
      ii. Develop CAPPs
      iii. Identify and prioritize areas of conservation emphasis (ACE)
      iv. Identify existing conserved areas
      v. Direct project mitigation to priority areas needing conservation
      vi. Direct and use conservation banking
      vii. Create ACE database viewable by all CDFW staff
      viii. Split parcels for conservation
      ix. Baseline Inventory