

GOALS

1. By 2025 improve surface flow in Pine Creek by decommissioning 5 stock water reservoirs and 1 stream diversion, using alternate water sources

2. By 2025, Improve the ratio of native to non-native species in Pine Creek

3. By 2025, Increase bank stability in tributary streams (primarily lower 20 miles of Pine Creek but also some smaller tributaries).

4. By 2025, Increase distribution of ELRT to upper 5 miles of the main stem of Pine Creek

5. By 2025, Increase the population size of ELRT in upper Pine Creek by 50%

6. By 2025, Increase the water volume in Pine Creek by working with the USFS to reallocate water used for enhanced wetlands and stock ponds.

7. By 2025, Maintain connectivity between lower Pine Creek and lake populations during spawning and migration period.

8. By 2025, Maintain or improve surface water levels in the lake consistent with the water budget

9. By 2025, Reestablish historic connectivity regime between lake and streams



California State Wildlife Action Plan Update 2015 North Lahontan Hydrologic Unit 1808 – Eagle Lake DRAFT STRATEGY: Eagle Lake Native Fish Assemblage

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

Eagle Lake tui-chub

Eagle Lake rainbow trout

Lahontan redside

Tahoe sucker

Speckled dace











Tahoe sucker

ENVIRONMENTAL STRESSES

Change in community structure or composition

Change in sediment erosion-deposition regime

Change in biotic interactions (altered community dynamics)

Habitat fragmentation

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 average annual air temperature

Change in average annual precipitation

Change in average spring temperature

Change snow pack



Organization CDFW-FB CDFW-HCPB CDFW-R1 CDFW-R1



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	HUMAN RELATED IMPACTS	
	Dams & Water Management/Use	
	Roads & Railroads	
	Introduced Genetic Material	
	Invasive plants/animals	
	Inappropriate Livestock Grazing	
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Roles Team Member Team Member Team Member Team Lead





STRATEGIES, OBJECTIVES AND ACTIVITIES

. Manage grazing

a.Objectives

i. Reduce grazing impacts to stream(s)/corridor
 b.Activities
 i. Coordinate with USFS, private landowners, UC Ex

i. Coordinate with USFS, private landowners, UC Extension
ii.Construct exclusionary fencing in highly impacted areas
iii.Identify ways to achieve better compliance of BMPs
2. Develop Grazing BMPs
a.Objectives

i. Co-develop BMPs with land management agencies

ii.Have policies that benefit wildlife and sustain habitats b.Activities

i. Identify partners and stakeholders

ii.Identify and review existing grazing management policies iii.Develop MOU/MOA between partners

iv.Develop BMPs including enforcement policy

v.Provide input to land management agencies on grazing policies

vi.Identify funding sources, apply for funding

3. Develop BMPs for water management/conservation a.Objectives

i. Co-develop BMPs with USFS for enhanced wetland and stock pond management and agree to best use of water b.Activities

i. Engage Pine Creek (CRMP) working group

ii.Identify and review existing enhanced wetland and stock pond management policies

iii.Develop and implement BMPs

iv.Develop MOU/MOA between partners

v.Link to education and outreach strategy

4. Manage dams and other barriers

a.Objectives

i. Allow more bypass flows and improve fish passage b.Activities

i. Coordinate with USFS

ii.Identify dam to retrofit with control structures

iii.Obtain funding for CDFW management plan

iv.Coordinate with USFS to remove USGS gauging weir.

5. Groundwater assessment

a.Objectives

i. Identify location, direction of movement, and quantity of ground-water

b.Activities

i. Identify partners and stakeholders

ii.Coordinate with USFS, DWR, RWQCB and private landowners

iii.Review existing information

iv.Develop study proposal Manage invasive species c.Objectives

i. Remove brook trout from Pine Creek

d.Activities

i. Update data on extent of brook trout in Pine Creek

ii.Develop strategy for removal of brook trout from Pine Creek

iii.Coordinate with USFS and private landowners

iv.Obtain permits and environmental review