

California State Wildlife Action Plan (SWAP) 2015

Central Lahonton – Carson River Basin

Native Species Assemblage

What are the sensitive aquatic species found in the Carson River watershed?

The following 10 native aquatic species from this region are found to be sensitive:

Invertebrates [1]

WESTERN PEARLSHELL MUSSEL

Fish [9]

LAHONTAN CUTTHROAT TROUT

LAHONTAN CREEK TUI CHUB

LAHONTAN REDSIDE

LAHONTAN SPECKLED DACE

MOUNTAIN SUCKER

MOUNTAIN WHITEFISH

PAIUTE CUTTHROAT TROUT

PAIUTE SCULPIN

TAHOE SUCKER

What do we find important for recovering and sustaining healthy watershed in this area?

Ecological conditions that are found to be most critical to sustain healthy watershed in this region are:

- Area and extent
- Connectivity
- Surface Water Flow Regime
- Community structure and composition
- Soil/sediment erosion/deposition regime
- Pollutant concentrations & dynamics

Degraded ecological conditions that are found to be impacting the watershed are:

- Altered spatial distribution of habitat types
- Habitat fragmentation
- Changes in community structure or composition
- Loss or change in biotic interactions (altered community dynamics)
- Changes in functional processes of ecosystem
- Change in temperature
- Change in snow pack
- Change in snow period
- Changes in sediment erosion/deposition regime
- Changes in natural fire regime
- Changes extreme events
- Changes in water nutrients
- Pollutants (water)

- Changes in thermal activities
- Avalanches/Landslides

Human related activities and issues that are found to be sources of potential impacts to the watershed are:

- Illegal fishing & harvesting aquatic resources
- Dams & water Management and uses
- Invasive plants/animals
- Introduced genetic material

More questions?

1. Come talk to us and ask questions at scoping meetings!
2. Check our Website: <http://www.dfg.ca.gov/SWAP/>
3. Provide written comments

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