**State Wildlife Action Plan (SWAP) 2015**

**Walker Basin Watershed**

**Walker River Native Species Assemblage**

**What are the sensitive species found in the Walker Basin Watershed?** The following 10 aquatic species (taxa) from this watershed are found to be sensitive:

- **Fish**
  - LAHONTAN CUTTHROAT TROUT
  - MOUNTAIN SUCKER
  - MOUNTAIN WHITEFISH
  - PAIUTE SCULPIN
  - LAHONTAN CREEK TUI CHUB
  - LAHONTAN REDSIDE
  - LAHONTAN SPECKLED DACE
  - TAHOE SUCKER

- **Invertibrate**
  - Freshwater mussels (*Anodonta* and possibly *Margaritifera*)

**What do we find important for recovering and sustaining healthy ecosystem in this watershed?** Ecological conditions that are found to be most critical to sustain healthy ecosystem in this watershed are:

- Extent of native species assemblage
- Community structure and composition
- Nutrient concentration and dynamics
- Connectivity-gene flow
- Surface water flow

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

- Change in air temperature
- Change in precipitation
- Change in snow pack
- Change in snow cover period
- Change in frequency and intensity of extreme events
- Change in sediment erosion-deposition regime
- Change in natural fire regime
- Change in runoff and river flow
- Change in water levels and hydro-period
- Change in flood occurrence, frequency and intensity
- Change in groundwater tables
- Change in water nutrients
- Change in water chemistry
- Change in spatial extent
- Change in successional process and ecosystem development
- Change in biotic interactions (altered community dynamics)
- Habitat fragmentation
Human related activities and issues that are found to be sources of potential impacts to this watershed are:

- Roads & Railroads
- Dams & water management/Use
- Introduced genetic material

- Invasive plants/animals
- Inappropriate livestock farming and ranching

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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