

# RESTORATION PROGRAM

## WHAT IS WATERSHED RESTORATION?

Restoration is a set of activities that help improve ecosystem health of streams, meadows, and forests by restoring to its natural functions.

The Alpine Watershed Group actively plans, implements, and manages restoration projects in the watersheds of Alpine County.

Main goals include focusing on the following types of restoration:



Meadow



Stream



Forest



Habitat



## WHERE?

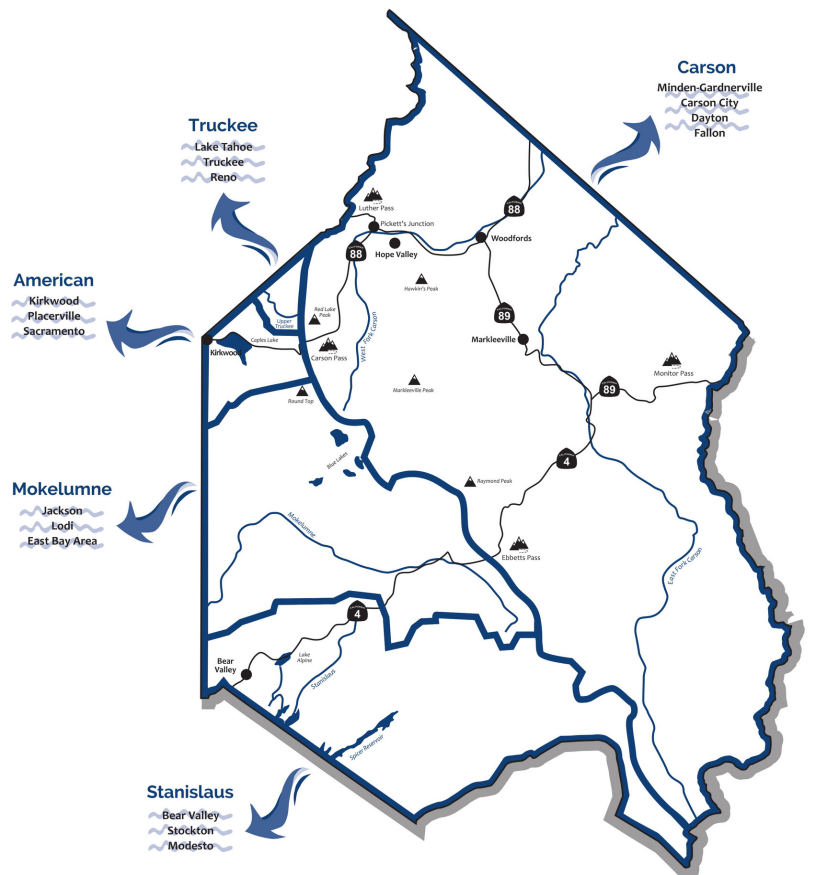
As home to the headwaters of five major watersheds (the Carson, American, Truckee, Mokelumne, and Stanislaus Rivers) Alpine County sources drinking water for 5.3 million people in Western Nevada, California's Central Valley, and the San Francisco Bay Area.

## HOW?

AWG utilizes many restoration techniques in order to reduce erosion and pollution in streams and to prevent damage to wetlands and meadows. These techniques include stream bank stabilization, riparian planting, invasive weed removal, upland slope stabilization/erosion control, fuel reduction/ forest health, and OHV management. For over a decade our volunteers have lead and supported AWG projects and programs as they continue to grow and develop.



## Where does your water come from?



Alpine Watershed Group - Alpine County  
Headwaters of Five Major Rivers

LEARN MORE: [ALPINEWATERSHEDGROUP.ORG/RESORATION](http://ALPINEWATERSHEDGROUP.ORG/RESORATION)

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## CURRENT PROJECTS:



### HOPE VALLEY AQUATIC HABITAT RESTORATION PLANNING



11/2016 – 2/2019

This project continues restoration planning in Hope Valley by addressing a section of the West Carson just downstream of Highway 88 on California Dept. of Fish and Wildlife land (upstream of the 2015 restoration project). This project proposes to stabilize over 800 feet of eroding banks and improve aquatic habitat along nearly 0.5 mile of river.

Status: planning started Summer 2017, Implementation funding being pursued.

### MARKLEEVILLE CREEK RESTORATION



2007 – current

The purpose is to re-establish the natural form and function of Markleeville Creek through the site of the former U.S. Forest Service Guard Station. The project will re-create the streamside habitat by removing the floodwall and re-vegetating the floodplain. It will also provide various community benefits including utility improvements and public access for recreation.

Status: shovel ready, implementation funding being pursued for Phase 1 sewer replacement.



Left: Markleeville Creek floodwall  
Right: Artist rendition of completed project

### GROVER MEADOW RESTORATION & ADA ACCESS PROJECT



1/2016 – 12/2019

The purpose of the Grover Hot Springs Meadow Restoration Project is to reduce user impacts throughout the meadow and to rehabilitate the existing impacted areas. By decommissioning user-created trails and stabilizing banks along Hot Springs Creek, the project will reestablish the continuity of flow through the meadow. It will also develop interpretive signage along an elevated ADA trail in order to educate visitors about the local ecology and sensitivity of the wetland area.

Status: Implementation ongoing

### MARKLEEVILLAGE FUELS REDUCTION



8/2016 – 1/1/2020

This project ensures community wildfire protection by continuing the implementation of the Markleevillage Fuels Reduction Project. The 234 acres that has been treated are located in Pleasant Valley and Thornburg Canyon and are part of a larger 1,200-acre Forest Service plan. Treatment involves using mechanical mastication to reduce fuel loads around rural, residential areas near Markleeville.

Status: On the ground work completed 11/2017; Outreach and education planned for Spring 2017

**JOIN US FOR OUR 2018 RESTORATION EVENTS:  
EARTH DAY @ GROVER HOT SPRINGS, APRIL 21ST  
CREEK DAY, SEPTEMBER 8TH**

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