

**STATE OF CALIFORNIA
SIERRA NEVADA CONSERVANCY**

**Sierra Nevada Conservancy Grant Program
Safe Drinking Water, Water Quality and Supply, Flood Control,
River and Coastal Protection Act of 2006 (Proposition 84)**

Applicant: ALPINE WATERSHED GROUP

Project Title: MARKLEEVILLE CREEK RESTORATION PROJECT

Subregion: CENTRAL SIERRA

County: ALPINE

SNC Funding: \$220,700.00

Total Project Cost: \$252,450.00

Application Number: 365

Final Score: 92.9

PROJECT SCOPE

The goal of the Markleeville Creek Floodplain Restoration Project 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 Alpine Watershed Group (AWG) proposes to restore the streambed configuration to more closely resemble its natural state which will improve geomorphic function and restore the floodplain. This proposal is intended to fund the final planning and design stages for site restoration as well as the completion of necessary environmental documents, permitting and appraisals.

This represents Phase II of the Markleeville Restoration Project. Phase I involved the initial project planning and design, resulting in a 95% design plan completed in May 2007. The final phase of this project, Phase III, will complete the implementation of the restoration work.

PROJECT SCHEDULE

DETAILED PROJECT DELIVERABLES	TIMELINE
Reconvene Technical Advisory Committee	July 2011
Develop consultant request for proposals/hire consultant	September 2011
Monitoring for pre-restoration conditions	Ongoing
Initial community outreach and input	November 2011

Preliminary field surveys and environmental assessment	November 2011
Six month progress report	January 2012
Site appraisal	TBD
Six month progress report	July 2012
Completion of environmental planning, documentation and permitting	September 2012
Community outreach and input on NEPA/CEQA	September 2012
Six month progress report	January 2013
Final restoration design plan	January 2013
FINAL PAYMENT/FINAL PAYMENT REQUEST	March 30, 2013

PROJECT COSTS

PROJECT BUDGET CATEGORIES	TOTAL SNC FUNDING
Project Management	\$32,000.00
Project Consultants	165,000.00
Printed Materials - Project related Publications/Communications/Public Outreach	1,000.00
Performance Measure reporting	1,600.00
Administration Costs	21,100.00
GRAND TOTAL	\$220,700.00

PROJECT SUPPORT LETTERS

- Board of Directors of the Alpine Watershed Group (Resolution)
- Alpine County Board of Supervisors
- United States Department of Agriculture, Forest Service, Humboldt-Toiyabe National Forest, Carson Ranger District
- Markleeville Public Utility District
- Carson Water Subconservancy District
- California Trout

PROJECT PERFORMANCE MEASURES

There are four Performance Measures common to all grants. In addition, grantees are required to include between one and three project-specific measures. Performance Measures listed here represent those proposed by applicants and may be modified through further discussion with SNC staff.

- Number of Collaboratively Developed Plans and Assessments

PROJECT SUMMARY

County: Alpine

Applicant: Alpine Watershed Group

Project Title: Markleeville Creek Restoration Project

PROJECT GOAL

The goal of the Markleeville Creek Floodplain Restoration Project 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 Alpine Watershed Group (AWG) proposes to restore the streambed configuration to more closely resemble its natural state which will improve geomorphic function and restore the floodplain. This proposal is intended to fund the final planning and design stages for site restoration as well as the completion of necessary environmental documents, permitting and appraisals.

The SNC program area that this project primarily addresses is that of the protection and improvement of water quality. Historic alterations of the site including the creation of floodwalls have resulted in accelerated water flows causing erosion, stream incision and bank failures downstream. By removing the floodwalls and recreating the floodplain, this restoration project will allow waters to access the historical channel, slowing water flows, reducing erosion and improving water quality. The trapping of sediments and nutrients during overbank events will protect downstream habitat and water quality. By slowing floodwaters, a healthy floodplain will also help temper downstream velocities and volumes and slowly release overbank events.

This project will contribute to the Proposition 84 goals in a variety of ways. Recreating the natural form and function of the stream channel will not only improve water quality, it will also enhance the riparian and in-stream environment through the stream reach. This project has been identified in several watershed assessment and management plan as a priority restoration project for the Upper Carson River Watershed.

PROJECT SCOPE

This project will develop 100% design plans, complete the necessary environmental documents, obtain required permits and acquire a real estate appraisal. The deliverables associated with this phase of the Markleeville Creek Restoration Project will include the following:

- NEPA and CEQA environmental documentation
- 100% restoration design plans
- Property appraisal
- Project permits

This represents Phase II of the Markleeville Restoration Project. Phase I involved the initial project planning and design, resulting in a 95% design plan completed in May 2007. The final phase of this project, Phase III, will complete the implementation of the restoration work.

The Alpine Watershed Group is working with two primary partners in this effort – Alpine County and the U.S. Forest Service. These agencies are providing in-kind support for their involvement in the planning of this project. There will be in-kind support through the involvement of other Technical Advisory Committee members as well.

LETTERS OF SUPPORT

The following letters of support are included with this application:

Alpine County
 California Trout
 Carson Water Subconservancy District
 Markleeville Public Utility District
 U. S. Forest Service, Humbolt Toiyabe National Forest, Carson Ranger District

SNC PROJECT DELIVERABLES AND SCHEDULE

DETAILED PROJECT DELIVERABLES	TIMELINE
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Six month progress report	January 2013
Final restoration design plan	January 2013
Final Report	March 2013

SNC PROJECT COSTS

PROJECT BUDGET CATEGORIES	TOTAL SNC FUNDING
Project Management	\$32,000
Project Consultants	\$165,000
Printed Materials - Project related Publications/Communications/Public Outreach	\$1,000
Performance Measure reporting	\$1,600
Administration Costs	\$21,100
SNC GRANT TOTAL	\$220,700