

**STATE OF CALIFORNIA
SIERRA NEVADA CONSERVANCY**

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

Applicant: Pit Resource Conservation District

Project Title: Dutch Flat Creek Enhancement and Nelson Ranch Sustainability Project

Subregion: North

County: Modoc

SNC Funding: \$149,777.00

Total Project Cost: \$166,277.00

Application Number: 680

Final Score: 82.00

PROJECT SCOPE

The Dutch Flat Creek Enhancement and Nelson Ranch Sustainability Project will improve wetland resources, water quality, and the operation of a third generation working ranch in the Upper Pit River Watershed in Modoc County. The project involves stabilizing up to 3,000 feet of stream banks while also creating crossing locations within the stream for wheels of a center pivot irrigation system.

The project is expected to increase sprinkler irrigation efficiency by approximately 20%, and is vital for the landowner to continue working the ranch. Work done to stabilize and restore stream banks will result in reduced erosion and will help to enhance in-stream habitat for many fish species. The project expects to improve stream habitat through increases in summer base flows, cooler water temperatures, and the retention of channel pools during the dry season. Surrounding riparian habitat will also be improved by increasing forage and cover. The project is unique because of its combination of habitat improvement and increased potential for efficient hay production.

The wheel stream-crossing locations serve two purposes: 1) allow a hardened and stable surface for wheels to roll; and 2) provide grade control within the stream to prevent further erosion. This project will implement an innovative approach to increasing irrigation and land-use efficiency while achieving environmental benefits to the watershed, and may be used as a model for designing future similar projects.

PROJECT SCHEDULE

DETAILED PROJECT DELIVERABLES	TIMELINE
Post-Design/Pre-Construction Review Bid	July 30, 2013
Project Construction	July - October 30, 2013
Six Month Progress Report	October 31, 2013
Monitoring Post-Project	July 2013 – March 30, 2014
Six Month Progress Report	April 30, 2014
Final Report	June 30, 2014
FINAL PAYMENT/FINAL PAYMENT REQUEST	July 31, 2014

PROJECT COSTS

PROJECT BUDGET CATEGORIES	TOTAL SNC FUNDING
Direct*	\$125,427.00
Indirect**	\$6,050.00
Administrative***	\$18,300.00
GRAND TOTAL	\$149,777.00

* Direct: Direct costs are expenses necessary to acquire, construct, or to adapt property to a new or different use, or to improve property including land, buildings and equipment. The property/expense must have a useful life longer than one year.

** Indirect: Expenses involve ongoing operations, repair or maintenance costs, regardless of whether the repair or maintenance may last more than one year.

*** Administrative: Expenses associated with the administration of a project and may not exceed 15 percent of the total SNC grant request for direct and indirect costs.

PROJECT LETTERS SUPPORT/OPPOSITION

- Support
 - Alan and Kathie Nelson

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.

- Dollar Value of Resources Leveraged for Sierra Nevada.
- Number and Types of Jobs Created.
- Number of New, Improved, or Preserved Economic Activities.
- Acres of Land Improved or Restored.
- Linear Feet of Stream Bank Protected or Restored.