

**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:** Butte Creek Meadow Restoration Project

**Subregion:** North

**County:** Lassen

**SNC Funding:** \$294,817.00

**Total Project Cost:** \$304,817.00

**Application Number:** 685

**Final Score:** 83.50

**PROJECT SCOPE**

The project will restore and reconnect meadows and stream channels along 4.3 miles of Butte Creek on 100-acres of privately owned ranch land within the upper Pit River Region in Lassen County. Fencing will then be installed so that future grazing can be managed to protect restored streambanks and riparian areas. Restoration efforts in this watershed contribute to the valuable public benefits derived from increased water quality and regulated flows that feed the Sacramento River, the Delta, and large numbers of California water users.

A portion of the stream channel within the meadow has become entrenched and subsequently reduced the amount of water available to sustain the surrounding meadow. Past management practices initiated a "high line" ditch system and diversion structures, and these resulted in the creation of a gullied channel. Currently, the lower portion of the meadow is entrenched, and headcuts are moving upstream and encroaching on areas (70-acres) that are providing the most productive forage and habitat. The restoration plan will restore the physical processes that historically maintained the Butte Creek Meadow. This includes reconnecting the primary stream channel to its naturally evolved floodplain. The landowner is also committed to changing livestock management grazing within the meadow so that cattle do not affect the stability of restored streambanks.

Desired outcomes from the project include: 1) reducing the cross-sectional area of Butte Creek so that flows overtop at a 1.5 to two-year frequency interval; 2) improve shallow groundwater storage by 40%; 3) create a vegetation community within the meadow that is dominated by species (66% cover) adapted to moist soil conditions (i.e. facultative

wetland and/or obligate wetland indicator categories); and 4) create several pastures within the restored meadow area for livestock grazing.

### PROJECT SCHEDULE

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

### PROJECT COSTS

<b>PROJECT BUDGET CATEGORIES</b>	<b>TOTAL SNC FUNDING</b>
Direct*	\$270,467.00
Indirect**	\$6,050.00
Administrative***	\$18,300.00
<b>GRAND TOTAL</b>	<b>\$294,817.00</b>

\* 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
  - Pit RCD- Watershed Management Strategy

### 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.
- Acres of Land Improved or Restored.
- Linear Feet of Stream Bank Protected or Restored.
- Acre Feet of Water Supply Conserved or Enhanced.