

**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:** TUOLUMNE RIVER PRESERVATION TRUST

**Project Title:** UPPER TUOLUMNE AND STANISLAUS WATERSHED MEADOWS RESTORATION

**Subregion:** SOUTH CENTRAL

**County:** TUOLUMNE

**SNC Funding:** \$151,156.00

**Total Project Cost:** \$292,906.00

**Application Number:** 379

**Final Score:** 100

**PROJECT SCOPE**

Tuolumne River Trust will focus on pre-project due diligence to restore four meadows and their associated streams in the Clavey Watershed, a tributary to the Tuolumne River. These streams within the meadows have eroded banks, headcuts, depressed water tables, and poor vegetative cover.

A second component of the project is to complete a background literature and data review of existing meadow conditions throughout the upper Tuolumne and Stanislaus Watersheds in support of the IRWMP. This project will be completed in close coordination with and assistance from the Stanislaus National Forest and the Tuolumne Utilities District.

**PROJECT SCHEDULE**

<b>DETAILED PROJECT DELIVERABLES</b>	<b>TIMELINE</b>
Literature and data collection	May-June 2011
Season 1 meadow monitoring	May-October 2011
Wetland delineation work completed	August 2011
Meadow review field work	May-October 2011

Submit progress report to SNC	November 2011
Review of relevant literature and data	December 2011
Submit progress report to SNC	May 2012
Field surveys for specific meadows	May-October 2012
Season 2 meadow monitoring	May-October 2012
Hydrologic surveys and project design	May-October 2012
Biological/Cultural resource assessments/reports	May-October 2012
Meadow review field work	May-October 2012
Submit progress report to SNC	November 2012
Draft restoration design	December 2012
NEPA/CEQA public draft documents completed	January 2013
NEPA/CEQA decision	April 2013
Season 3 meadow monitoring	May-October 2013
Submit progress report to SNC	May 2013
Final meadow restoration designs	May 2013
Permit approvals	October 2013
Submit progress report to SNC	November 2013
Draft meadow memorandum	December 2013
Final meadow memorandum	February 2014
Integration with IRWMP	February 2014
<b>FINAL PAYMENT/FINAL PAYMENT REQUEST</b>	<b>March 1, 2014</b>

### PROJECT COSTS

<b>PROJECT BUDGET CATEGORIES</b>	<b>TOTAL SNC FUNDING</b>
Personnel	\$75,477.00
Travel/Meeting Expense	2,400.00
Contracts/Consultants	37,250.00
Materials/Supplies	3,600.00
Equipment	4,300.00
Fees	1,131.00
Printing, Postage, Communications	2,289.00
Performance Measure Reporting	4,993.00
Administrative Costs	19,716.00
<b>GRAND TOTAL</b>	<b>\$151,156.00</b>

### PROJECT SUPPORT LETTERS

- The Stanislaus National Forest
- Tuolumne Utilities District
- Central Sierra Environmental Resource Center
- The Tuolumne Me-Wuk

## **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
- Percentage of Pre-project and Planning Efforts Resulting in Project Implementation

## PROJECT SUMMARY

**County:** Tuolumne

**Applicant:** Tuolumne River Preservation Trust

**Project Title:** Upper Tuolumne and Stanislaus Watersheds Meadows Restoration

### PROJECT GOAL

The overall goal of the project is to restore and improve conditions of meadows in the Upper Tuolumne and Stanislaus Watersheds. The specific goals of this phase of the project are: 1) to complete all regulatory requirements and designs needed to implement meadow restoration in four meadows on the Stanislaus National Forest (STF); and 2) to complete background literature and data review, limited field work, and an initial analysis of meadow conditions throughout the upper Tuolumne and Stanislaus Watersheds in support of the development of a Tuolumne-Stanislaus Integrated Regional Water Management Plan (IRWMP), currently under development.

The project will address the Sierra Nevada Conservancy's (SNC) program goal 2, to "Protect, Conserve, and Restore the Region's Physical, Cultural, Archaeological, Historical, and Living Resources," and the Proposition 84 goal of protection and restoration of streams, their watersheds and associated land and water by conserving and restoring meadows and associated streams within the upper Tuolumne and Stanislaus watersheds.

### PROJECT SCOPE

The overall goal of the project is to restore and improve conditions of meadows in the Upper Tuolumne and Stanislaus Watersheds. For this phase of the project, we will focus on the pre-project due diligence to restore four meadows and their associated streams in the Clavey Watershed, a tributary to the Tuolumne River. These streams within the meadows have eroded banks, headcuts, depressed water tables, and poor vegetative cover.

To accomplish our goal, we seek to complete the following due-diligence tasks:

- NEPA analysis and documentation (completed by the Stanislaus National Forest)
- CEQA analysis and documentation (completed by the Tuolumne River Trust [TRT] and its consultant)
- wetlands delineation (completed by the TRT and its consultant)
- permits and designs (completed by the TRT and the STF)
- pre-project monitoring to establish baseline conditions. ?

A second component of the project is to complete a background literature and data review of existing meadow conditions throughout the upper Tuolumne and Stanislaus Watersheds in support of the IRWMP. To complete this we will:

- Gather and review existing reports, literature, data, and other information about meadows within the study area (TRT and STF)
- Conduct limited field work to verify, photo-document, and establish GIS locations of meadows (TRT)
- Produce a memorandum that provides a summary of conditions of individual meadows and a prioritization of future meadow restoration needs (TRT)
- Integrate this information into the nascent Tuolumne-Stanislaus IRWMP (TRT and the IRWMP collaborative)

### LETTERS OF SUPPORT

The following organizations have provided letters of support for this project:

- Stanislaus National Forest
- Tuolumne Utilities District
- Central Sierra Environmental Resource Center
- Tuolumne Me-Wuk Tribal Council

## SNC PROJECT DELIVERABLES AND SCHEDULE

DETAILED PROJECT DELIVERABLES	TIMELINE (assumes May 3 start date)
Project Development and Planning	May–June 2011
Literature and Data Collection	May–June 2011
Season 1 Meadow Monitoring	May–Oct 2011
Wetland Delineation Completed	August 2011
Meadow Review Field Work	May–Oct 2011
<b>Six-Month Progress Report Due</b>	<b>November 2011</b>
Review of Relevant Literature and Data	December 2011–March 2012
<b>Six-Month Progress Report Due</b>	<b>May 2012</b>
Field Surveys for Specific Meadows	May–Oct 2012
Season 2 Meadow Monitoring	May–Oct 2012
Hydrologic Surveys and Project Design	May–Oct 2012
Biological and Cultural Resource Assessments/Reports	May–Oct 2012
Meadow Review Field Work	May–Oct 2012
<b>Six-Month Progress Report Due</b>	<b>November 2012</b>
NEPA/CEQA Public Draft Documents Completed	December 2012–January 2013
Draft Restoration Design	December 2012
NEPA/CEQA Decision	April 2013
Season 3 Meadow Monitoring	May–Oct 2013
<b>Six-Month Progress Report Due</b>	<b>May 2013</b>
Final Meadow Restoration Designs	May 2013
Permit Approvals	October 2013
<b>Six-Month Progress Report Due</b>	<b>November 2013</b>
Draft Meadow Memorandum	December 2013
Final Meadow Memorandum	February 2014
Integration with IRWMP	Ongoing through May 2014
<b>Final Report Due and Project Completion</b>	<b>May 2014</b>
Project Implementation (not included in the proposal)	2014–2015

## SNC PROJECT COSTS

Budget Category	SNC Budget Request
<i>Direct Expenses</i>	
Personnel Expense	\$68,675
Travel/Meeting Expense	\$2,400
Contracts/Consultants	\$37,250
Materials/Supplies - Project Related	\$3,600
Equipment Purchases	\$4,300
Fees	\$1,131
<i>Indirect Expenses</i>	
Personnel	\$6,802
Printing, Postage, Communications	\$2,289
Performance Measure Reporting	\$4,993
<i>Administrative Costs</i>	
	\$19,716
<b>Total</b>	<b>\$151,156</b>