

10-438-556 - Coldstream Canyon Creek and Floodplain Restoration

PURPOSE: State shall provide a grant to and for the benefit of Grantee for the purpose of restoring a reach of Cold Creek and creation of related floodplain to improve water quality and habitat. The Project will result in a load reduction of fine sediment delivered to the Truckee River.

B. PROJECT-SPECIFIC REQUIREMENTS

1. Construction Plans

- 1.1 Finalize and submit one hundred percent (100%) design plans for restoration of an approximately one thousand (1000) foot reach of Cold Creek, creation of eight tenths (0.8) acre of floodplain and expansion of riparian habitat to two and three tenths (2.3) acres in Donner Memorial State Park.
- 1.2 Finalize construction plans including identifying access and stockpile areas, construction of best management practices (BMPs), such as re-creating historic stream meanders and repairing headcuts, and other resource protection measures, such as reducing over-steepened banks and increasing vegetative cover. Submit final construction plans to the Grant Manager.

2. Project Implementation

- 2.1 Complete pre-construction staking and BMP installation.
- 2.2 Complete restoration work, to include streambank excavation and floodplain bench creation along approximately one thousand linear feet (1,000 LF) of stream through the Project reach; strategically reinforcing bank toe at areas of high stress; and salvage and stockpiling of topsoil and sod for re-vegetation as possible.
- 2.3 Complete re-vegetation and mulching work to stabilize Project. Re-vegetation will be completed partially with heavy equipment, partially by volunteers.
- 2.4 Conduct pre-, during, and post-implementation photo documentation according to State Water Board guidelines. Submit photos to the Grant Manager.
- 2.5 Complete any corrective actions as determined by post-project monitoring.

3. Project Monitoring

- 3.1 Perform pre-project monitoring according to the approved MP. Data collected at a minimum will include photo points, flow measurements, cross-section and long profile surveys, vegetation transects, floodplain mapping and benthic macroinvertebrate surveys.
- 3.2 Perform post-project monitoring consisting of repeating measurements taken during pre-project monitoring.
- 3.3 Prepare annual monitoring reports. The final monitoring report will include all data and a discussion of Project effectiveness. Submit all reports to the Grant Manager.

4. Education and Outreach

- 4.1 Conduct two (2) site tours- one (1) pre-project and one (1) post-project Invite resource professionals, agency personnel, and the general public to the tours by website announcements.

- 4.2 Present the Project at one (1) public meeting. The presentation will include a discussion of the Project rationale, water quality benefits, design, and implementation techniques. The meeting will be noticed by website announcements.
- 4.3 Conduct two (2) community work days during Truckee River Day. Take and submit photos of the work days to the Grant Manager.
- 4.4 Feature the Project in two (2) issues of the Truckee River Watershed Council semi-annual newsletter.
- 4.5 Produce educational materials such as permanent interpretive signage and fact sheets or brochures.