

Silver Creek Project

DESCRIPTION:

The Silver Creek Rehabilitation Project was constructed in July of 2008, and consisted of several different types of restoration techniques. A single whole tree log-jam was constructed approximately 300 feet upstream of a small, 30-foot long, privately-owned bridge to enhance the capture and storage of bedload from upstream sources and to promote aggradation of this channel section. An existing log-jam, located approximately 250-feet downstream of the small bridge, was enhanced to maintain its function as a natural grade-control feature. Rock-vanes were constructed along the outcurve of several banks to guide streamflows away from the banks and enhance their vegetative recovery. Almost 400 feet of bank were laid back and vegetated, and six stream channel riffles were raised approximately 12 to 18 inches along the remaining 500-feet of the treatment reach so that the stream would have easy access to the naturally formed mid-level floodplain during high streamflows.

SPONSORS:

LOCAL: Plumas County Watershed Forum

PROJECT RESULTS:

This project successfully stabilized the eroding streambanks and reduced sediment transport downstream.

PROJECT REPORTS (IF AVAILABLE):

Meadow Valley Projects Final Report

<http://www.weebly.com/uploads/4/0/5/5/40554561/mdwvalleyprojectsfinalreport.pdf>