

## Long Valley Creek Project

### **DESCRIPTION:**

Long Valley Creek Restoration Project, a tributary to the Middle Fork of the Feather River, was completed in October 2008. Located near Sloat, CA the project consisted of restoring 107 acres of meadow floodplain, including 9,000 feet of Long Valley Creek and 2,000 feet of Little Long Valley Creek. Project activities include replacing the gullied Long Valley Creek & Little Long Valley Creek with 34 plugs and 30 ponds, and controlling bank erosion with vegetative planting. Project partners included California Department of Water Resources and Natural Resource Conservation service, along with help from volunteers.

### **SPONSORS:**

STATE: California State Water Resources Control Board-Proposition 40 funds; FEDERAL: Secure Rural Schools Title II funds

### **PROJECT RESULTS:**

Monitoring data were collected for one year pre-project, and one year post-project. In general, project monitoring showed that the project resulted in measurable improvements to two of the four goals monitored: groundwater recharge and the coldwater fishery. Two of the three water quality parameters (temperature and turbidity) showed improvement; however, fine sediments did not improve, which was not entirely unexpected, as the channel was elevated from the gravelly gully bottom to the surface of the meadow resulting in more of a grass-lined channel. Gravels are expected to move into the channel, and already occupy some of the channel. However, they have not yet moved into the sample area. Likewise, fish habitat improved with increased bank stability, but there are less pools in the sample area now than there were pre-project. In this project, like others, if the entire project area is considered, there is sufficient pool habitat because of the new presence of ponds that the channel moves through.

### **PROJECT REPORTS (IF AVAILABLE):**

Middle Fork Feather River Complex

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