

## **Clarks Creek Fish Passage Barrier Removal Project, Del Norte County, California**

This is a unique project where Winzler & Kelly submitted the grant application and was awarded the project to complete this work for the Del Norte County Public Works Department. The project consisted of removing an old wooden box culvert on Walker Road that was a barrier to the migration of salmonids in Clarks Creek. The structure was replaced with a pre-manufactured bridge over a restored natural bottom creek bed.

Walker Road is a County-owned road, which connects Highway 199 to the Smith River through Jedediah Smith State Park. Clarks Creek is a tributary of the Smith River and meanders through the Redwoods of Jedediah Smith State Park. This project was a team effort between Winzler & Kelly, California State Parks, Del Norte County, California Conservation Corps, and the Department of Fish & Game. Winzler & Kelly design the project, prepared all permits, and provided construction oversight.

Permitting included CEQA, COE/NMFS Regional General Permit for Fish Barrier Removal, and a DFG 1601 Stream Bed Alteration Agreement. Construction occurred from September 1 to October 15, 2002, during the lowest flows and prior to the winter rains. This time frame coincided with the end of the marbled murrelet mating season and the beginning of the salmonid migration.



**Site In 2001**



**Site In 2002**

### **Client:**

California Department of Fish & Game  
619 2nd Street  
Eureka, CA 95501

### **Client Contact:**

John Schwabe  
Fish Habitat Specialist  
707-441-2006

### **Project Information:**

Project Start / Completion Date:  
Fall 2001 / Fall 2002

### **Total Project Cost:**

\$158,000