



Purrington Creek Bank Stabilization Project

Project Description:

Purrington Creek is a first order stream tributary to Green Valley Creek, tributary to the Russian River. Purrington Creek has a viable steelhead trout population and has been identified in the DFG stream inventory as an “important tributary to Green Valley Creek by contributing summer flow, and as spawning/nursery habitat for coho salmon and steelhead trout”. The Recovery Strategy for California Coho Salmon (CDFG, 2004) identified the Guerneville HSA as having the highest ranking (level 5) for restoration and management potential in the CCC Coho ESU. There are approximately 18.7 miles of blue line stream in the Green Valley Creek Watershed, including Purrington Creek, which contributes important summer flow to the stream system. Downcutting on the stream to bedrock has resulted in a loss of floodplains and bank failures are evident along the creek. Residents report the creek downcut over 30 feet in the past few decades. Limiting sediment from entering the creek and creating complex instream habitat will benefit salmonid populations during summer and winter months.

The project will repair a 75 by 25-foot bank failure, one of the largest along Purrington Creek . The area will be re-graded and stabilized using a log and rock structure, blanket, and planted with native willows, trees, and shrubs.

Project Objectives:

- Improve spawning and rearing habitat by reducing fine sediment and improving riparian canopy for steelhead and coho salmon.
- Improve instream salmonid habitat by increasing channel complexity.

Project Budget: \$63,252 California Department of Fish and Game

Project Timeline: June 2010 through March 2011

Project Manager:

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