



Project Profile: Gold Ridge Resource Conservation District (GRRCD) - Salmon Creek riparian restoration Bodega, CA

Project: The project consisted of restoring 4000' of stream bank along the main stem of Salmon Creek. The project goals were two-fold 1) Stabilize eroding stream banks with bioengineering techniques, and 2) Enhance aquatic and riparian habitat with native riparian trees and shrubs.

Challenge/Goal: To establish 500+ native plants without the prohibitive cost of drip irrigation. DriWater was found to be the most cost effective watering method.

Solution: Riparian Habitat Enhancement - -Planting native vegetation to improve forested riparian buffer function, vegetation density, species complexity, and functional diversity in areas that have minimal cover and or lack a multi-age, diverse canopy. Plantings will also increase canopy cover to shade exposed sections of the stream and promote long-term large wood recruitment. DriWater replacement 3 times per year for three years.

Results: Doug Gore of Dragon Fly Stream Enhancement completed Installation of large wood structures to improve salmonid rearing habitat by adding in-stream complexity, deeper pools, and shelter. Doug, along with Gold Ridge RCD completed planting of 500+ plants and trees to restore the stream bank located on the Gilardi Ranch in Bodega, CA. Streamline Engineering provided the design and planting plan. Loren Hulette, Gold Ridge RCD monitors the plantings and replaces the DriWater Gel Pacs as needed every 60-90 days during the dry season. Maintenance period is 3-years.



Creek bank erosion before restoration planting



Salmon Creek after restoration plantings



Gilardi Ranch at Salmon Creek 2010

TREES/ SHRUBS LATIN BINOMIAL
Bay Laurel <i>Umbellularia californica</i>
Big Leaf Maple <i>Acer macrophyllum</i>
California Buckeye <i>Aesculus californica</i>
Coast Live Oak <i>Quercus agrifolia</i>
Coast Redwood <i>Sequoia sempervirens</i>
Coffeeberry <i>Rhamnus californica</i>
Hawthorn <i>Crataegus douglasii</i>
Oregon Ash <i>Fraxinus latifolia</i>
Pacific Wax Myrtle <i>Myrica californica</i>
Red Alder <i>Alnus rubra</i>
Red Willow <i>Salix laevigata</i>
Valley Oak <i>Quercus lobata</i>
Western Spicebush <i>Calycanthus occidentalis</i>