

Bear Creek, Cow Creek, Stillwater - Churn Creek Watersheds

Restoring fish habitat by improving water quality and removing fish barriers

Shasta and Tehama Counties; State Senate District 4, State Assembly District 1

WESTERN SHASTA RCD



The Western Shasta Resource Conservation District (RCD) Watershed Coordinator focused on riparian and fisheries habitat restoration, improving fish passage, and improving water quality.

The Coordinator developed and organized a citizen water monitoring program, involving 53 sites in the watershed. The program included macroinvertebrate surveys, precipitation recording, ground water depth measurement, and measuring physical properties of surface water. Analysis of the survey data is currently used to determine water quality and quantity changes over time.

The Coordinator initiated an additional volunteer citizen-based survey program to inventory barriers to fish passage in the Stillwater Watershed. A Fish Passage Barrier report was completed and is used to prioritize fish passage improvement projects.

The Coordinator also developed and assisted in implementing a 10 acre wetland restoration project on Sulfur Creek. Revegetation using native plants was designed to mitigate impacts of highway construction projects in Redding. The Coordinator was critical to obtaining all necessary agreements and permits for the project and created the native plant list for revegetating the wetland.

For more information visit the Western Shasta RCD website at <http://www.westernshastarc.org>



- Monitored water quality at 53 sites in the watershed
- Removed more than 40 tons of trash from waterways utilizing over 300 volunteers
- Removed non-native invasive weeds on 30 acres of riparian woodland habitat
- Eradicated *Arundo donax* on 16 miles of Stillwater Creek
- Facilitated planting, management, and monitoring of a Valley Elderberry Longhorn Beetle Conservation Area
- Assisted in the development of a Strategic Fuel Management Plan for the Keswick Basin Watershed
- Updated Strategic Fuel Management Plans for the French Gulch, Lower Clear Creek, and Shasta West Watersheds
- Educated nearly 100,000 residents about fuels reduction via workshops and outreach

“Great strides were made to implement on-the-ground restoration projects, to create a more educated and engaged community, and to secure valuable project funding.”

- Leslie Bryan, Watershed Coordinator

PARTNERS INCLUDED: CDFW • DWR • Central Valley RWQCB • USDA NRCS • BLM • U.S. Bureau of Reclamation • USFWS • Model Forests Policy Program • Shasta County • Shasta County Fire Safe Council • City of Redding • Shasta College • Shasta County schools • Sacramento River Watershed Program • Cow Creek Watershed Management Group • Churn Creek Stillwater Alliance • Bear Creek Watershed Group • Shasta Conservation Fund • Turtle Bay Exploration Park • KIXE Public Television • Anewscafe.com • Channel 7 News • Channel 12 News • Redding.com • North Valley Times • Whiskeytown Environmental School • Trinity County Office of Education • The Forest Foundation • Northern CA Regional Environmental Education Community (CREEC) • The Redding Rotary Stream Team • Institute of Fisheries Resources • Whole Earth and Watershed Festival Committee