

**USRP PROJECT SUMMARIES FOR FINAL GRANT AWARDS – APRIL 2012\***

Application No: 0

Waterway: Carmel River

County: Monterey

Sponsor/ Cosponsor: Big Sur Land Trust/ Monterey County

Project: Lower Carmel River Floodplain Restoration Project

Total Project Cost: \$14,342,635

Amount Requested: \$1,000,000

Amount Recommended: \$1,000,000

Project Description: This project will restore 128 acres of historic floodplain, wetland, and riparian habitat along the lower Carmel River. It will return floodplain and riparian function to the site by restoring connectivity between the main channel of the Carmel River and the historic, south bank floodplain; grading the property to create an appropriately diverse and dynamic floodplain environment and retaining a 36-acre agricultural preserve; planting and re-seeding to promote native riparian and wetland habitat; and construction of a floodwater conveyance structure at Highway 1 suitable for 100 year flows and allowing for “longitudinal connectivity” between the historic floodplain and the coastal ecosystem downstream.

---

Application No: 3

Waterway: Russian River

County: Sonoma

Sponsor/ Cosponsor: Bioengineering Institute/ Sotoyome Resource Conservation District

Project: Lower Russian River Biotechnical Bank Stabilization

Total Project Cost: \$2,473,905

Amount Requested: \$1,000,000

Amount Recommended: \$928,000

Project Description: The Lower Russian River Bank Stabilization Project stabilized, and re-vegetated, multiple erosion sites along 2,115 feet of the Lower Russian River near Guerneville, CA. The stream banks, which had been destabilized due to severe flooding in the recent past, were rehabilitated with various bioengineering techniques. The goal of this project was to stem erosion and to create a pioneer, riparian community that will be able, on its own, to evolve into a stable climax riparian community. This project is a valuable demonstration of bioremediation techniques that can be applied elsewhere along the Lower Russian River.

\*Grants awarded for 2008 application solicitation

**USRP PROJECT SUMMARIES FOR FINAL GRANT AWARDS – APRIL 2012\***

Application No: 5                      Waterway: Corbett Creek                      County: San Luis Obispo

Sponsor/ Cosponsor: Coastal San Luis Resource Conservation District/  
Central Coast Salmon Enhancement

Project: Corbett Creek Floodplain and Stream Restoration

Total Project Cost: \$1,323,420

Amount Requested: \$831,420

Amount Recommended: \$831,420

Project Description: The proposed floodplain and stream restoration project will increase the area of active floodplain available to Corbett Creek by 10 acres, reduce chronic sedimentation, improve riparian habitat for three federally-listed species, permanently preserve 12.5 acres of open space, and improve hydrologic function along lower Corbett Creek. The project will also positively affect the main stem of Arroyo Grande Creek by capturing sediment, and decrease the Corbett Creek Peak Flood Flow by laterally spreading water over an enhanced floodplain. Stakeholder meetings will be held throughout the design process to encourage community involvement.

---

Application No: 13                      Waterway: Sausal Creek                      County: Alameda

Sponsor/ Cosponsor: Friends of Sausal Creek/ City of Oakland

Project: Sausal Creek Erosion Control Restoration

Total Project Cost: \$540,000

Amount Requested: \$540,000

Amount Recommended: \$540,000

Project Description: This project will manage urban runoff from three storm drain outlets and address invasive plants in the creek corridor. The project includes invasive plant removal, design and installation of erosion control solutions, and native plant restoration—all with volunteer support. This project will use natural hydrologic elements to accommodate urban runoff, increase natural meanders in previously-formed channels, and install energy dissipation structures to mimic step-pools and vegetated swales. It will also increase infiltration rates; reduce peak flows, erosion, and sediment loads; stabilize slopes; conserve topsoil and improve water clarity and water quality; and improve conditions for macro-invertebrates and rainbow trout. Native plants will be propagated from wild-type populations in the watershed to preserve local genotypes.

\*Grants awarded for 2008 application solicitation

**USRP PROJECT SUMMARIES FOR FINAL GRANT AWARDS – APRIL 2012\***

Application No: 17

Waterway: Jenner Creek

County: Sonoma

Sponsor/ Cosponsor: Jenner Community Club/ Sotoyome Resource Conservation District

Project: Jenner Creek Restoration and Bridge Replacement

Total Project Cost: \$ 456,582

Amount Requested: \$175,470

Amount Recommended: \$88,431

Project Description: The project restored the natural hydrologic functions to Jenner Creek by expanding channel geometry and creating a floodplain terrace to eliminate flooding and erosion which has resulted in significant property damage. It enhanced wildlife habitat values through installation of native riparian plants and in-stream structures for Salmonids; and restored flood-damaged access to the community center and firehouse. The local community was actively involved in planning and design of the restoration project. USRP funds would address flooding, erosion, habitat enhancement, and an establishment-period for maintenance and monitoring.

---

Application No: 27

Waterway: Dry Canyon Creek

County: Los Angeles

Sponsor/ Cosponsor: Mountains Restoration Trust/ City of Calabasas

Project: Dry Canyon Creek Historic Meander Restoration

Total Project Cost: \$806,950

Amount Requested: \$761,050

Amount Recommended: \$761,050

Project Description: The project includes acquiring two acres along Dry Canyon Creek, a perennial headwater of the Los Angeles River; re-establishing a historic meander section of the stream channel, enhancing the floodplain, increasing wetland and riparian habitat, directing street drains into infiltration areas before entering stream channels, and building trails and platforms for public use. This Project will benefit the watershed by improving wetland and riparian habitat, increasing safe floodplains, improving water quality, and providing passive recreational opportunities.

\*Grants awarded for 2008 application solicitation

## USRP PROJECT SUMMARIES FOR FINAL GRANT AWARDS – APRIL 2012\*

Application No: 32

Waterway: Berkshire Creek

County: Los Angeles

Sponsor/ Cosponsor: City of Pasadena/ Arroyo Seco Foundation

Project: Restoration of Berkshire Creek

Total Project Cost: \$ 2,540,000

Amount Requested: \$1,000,000

Amount Recommended: \$638,410

Project Description: This project will resolve problems with storm water drainage at the headwaters of Berkshire Creek, which causes flooding on the adjacent road and severe erosion and water pollution in the creek. The project will concentrate on ameliorating the drain outlet and restoring and stabilizing Berkshire Creek, a severely eroded and degraded channel. The project includes restoration of riparian and Oak Woodland habitats, protection of an existing wetland, improvement of picnic areas and for ADA compliance, installation of interpretative signage, and creation of opportunities for scenic views. Non-native vegetation will be removed and existing trail routes that impact riparian habitats will be abandoned. The Berkshire Creek Restoration project will develop 2,200 linear feet of a hiking and equestrian trail that will provide the missing link to a three-mile loop perimeter trail around City parklands.

---

Application No: 33

Waterway: Petaluma River

County: Sonoma

Sponsor/ Cosponsor: City of Petaluma/ Conservation Corps of the North Bay

Project: Denman Reach Phase 3

Total Project Cost: \$2,868,375

Amount Requested: \$993,375

Amount Recommended: \$993,375

Project Description: In concert with the Natural Resources Agency River Parkways 2010 grant, this project will result in riverfront lands being preserved and restored for flood capacity, public access and stewardship, and riparian habitat restoration. The project builds upon the successful acquisition and restoration of a floodplain terrace immediately downstream, which was acquired by the City previously with a grant from the USRP. This project will extend the floodplain terrace for another 2,600 feet upstream, increasing the capacity of the upstream segment to carry floodwater, reduce stream bank erosion and sedimentation, and increase riparian habitat. The project will remove non-native, invasive species and will include the use of low impact bio-geotechnical techniques for habitat restoration.

\*Grants awarded for 2008 application solicitation

**USRP PROJECT SUMMARIES FOR FINAL GRANT AWARDS – APRIL 2012\***

Application No: 38

Waterway: Martin Slough

County: Humboldt

Sponsor/ Cosponsor: Redwood Community Act Agency/ City of Eureka

Project: Martin Slough Enhancement

Total Project Cost: \$4,200,000

Amount Requested: \$600,000

Amount Recommended: \$600,000

Project Description: The project provides flood management, erosion control, restoration and enhancement of stream, estuary, wetland, and riparian habitat, and includes community participation. Flood Management goals will be achieved through replacement of tide gates to improve flood routing and fish passage. Undersized culverts upstream of the tide gates will be replaced with bridges. Detention ponds for floodwater storage and fish habitat will be constructed. Channels will be excavated to remove accumulated sediment, increase capacity, and remove invasive plants. Riparian enhancement will provide shade and wildlife habitat and a muted tide cycle will improve sediment routing and help control invasive plants. Community involvement with local schools and community groups is included. The project will reduce flooding, enhance habitat, and involve the community.

---

Application No: 40

Waterway: Otay Watershed

County: San Diego

Sponsor/ Cosponsor: River Partners/ City of San Diego Water Department

Project: Upper Otay Watershed Restoration

Total Project Cost: \$1,386,417

Amount Requested: \$909,700

Amount Recommended: \$909,700

Project Description: The Upper Otay Watershed Restoration Project will reduce property damage caused by erosion through the establishment of 71 acres of native riparian habitat along the streambed of the rapidly urbanizing project area. It will also remove invasive species at the site to help establish a healthy riparian and upland ecosystem capable of sustaining itself over time and supporting a wide variety of Neo-tropical birds, as well as several threatened and endangered species. Additionally, the restoration project will reduce erosion in the urban streams and provide source water protection for San Diego's drinking water supply. Local community partners will focus on building public education and awareness for the value of native riparian habitats as well as work with local schools, churches and clubs through hands-on programs designed for community involvement and stewardship of the watershed's ecosystem.

\*Grants awarded for 2008 application solicitation

**USRP PROJECT SUMMARIES FOR FINAL GRANT AWARDS – APRIL 2012\***

Application No: 50

Waterway: Colgan Creek

County: Sonoma

Sponsor/ Cosponsor: City of Santa Rosa/ Trout Unlimited

Project: Colgan Creek Restoration

Total Project Cost: \$3,069,963

Amount Requested: \$550,000

Amount Recommended: \$550,000

Project Description: The project will reconstruct more than one mile of the creek and adjacent riparian habitat, including the creation of meanders beyond the current flood control channel boundaries, boulder bank protection, drop structures, rock vanes, riffles, pools, and woody debris habitat structures. More natural channel dimensions and patterns will improve geomorphic function and establish aquatic and native riparian habitat for fish and wildlife, including special status species such as steelhead trout. A wider riparian zone will help remove water pollutants before they reach the creek, and protect surrounding property from flood events. Ultimately, the project will increase flood control and provide educational, stewardship, and community access opportunities.

---

Application No: 51

Waterway: Nathanson Creek

County: Sonoma

Sponsor/ Cosponsor: Sonoma Ecology Center/ City of Sonoma

Project: Nathanson Creek Restoration Phase 2

Total Project Cost: \$1,250,655

Amount Requested: \$999,949

Amount Recommended: \$999,949

Project Description: This project will support the development of a reach-scale flood and erosion mitigation site design and implementation of riparian habitat restoration along a segment of Nathanson Creek. The stream corridor is a pathway for the movement of wildlife and is home to threatened species including steelhead trout and Chinook salmon, with salmon spawning observed just upstream of the project area for the past four years. The project will improve the ecological value of the site through riparian restoration with benefits to riparian habitat and stream water quality and supported beneficial uses. The subcontracting engineering firm will update the hydrologic and hydraulic analysis for the reach and develop flood and erosion mitigation alternatives. The project includes facilitating CEQA and other permit approvals for implementation of channel treatments, riparian restoration, and performance monitoring.

\*Grants awarded for 2008 application solicitation