Project: Butano Creek Floodplain Restoration Project **Award**: $937,926

Region: North Central

County: San Mateo

Sponsor: San Mateo County Resource Conservation District

Cosponsor: Peninsula Open Space Trust

Total Project Cost: $1,469,719

Grant Request: $997,926

The Butano Creek Floodplain Restoration Project will reconnect Butano Creek to 115 acres of its historic floodplain on the open space Butano Farms property in Pescadero, CA. The project will restore natural function to the creek, reduce incision of the creek bed and erosion of its banks, restore wetland habitat and the floodplain's ability to store sediment, help address water quality impairment from sediment, reduce flooding and improve public safety in the town of Pescadero. Roughly 1 mile of Butano Creek will be restored through installation of a series of bioengineered log jams as grade control structures that limit further incision in the creek and raise the elevation of the creek bed to reconnect the creek with its former floodplain. During the application process the project was awarded additional funds and reduced their grant request accordingly.

Project: Dennett Dam Removal **Award**: $412,918

Region: South Central

County: Stanislaus

Sponsor: Tuolumne River Preservation Trust

Cosponsor: City of Modesto

Total Project Cost: $1,093,603

Grant Request: $532,169

The Dennett Dam Removal project encompasses design, permitting, environmental compliance, and removal of the remnants of Dennett Dam, an abandoned low-head dam located on the lower Tuolumne River in Modesto, California. The dam has been an instream barrier to anadromous fish migration, controlling local hydraulic and sediment transport conditions, for over 60 years. Removing the dam will remediate a fish migration barrier, improve sediment transport, reduce invasive plant colonization, and greatly improve public safety and access for boating and swimming. During the application process the project was awarded additional funds and reduced their grant request accordingly.

Project: Farmersville Deep Creek Restoration **Award**: $748,465

Region: South Central

County: Tulare

Sponsor: City of Farmersville

Cosponsor: Community Services Employment Training: Sequoia Community Corps

Total Project Cost: $1,010,077

Grant Request: $995,677

The Farmersville Deep Creek Restoration project objectives are to prevent flooding along Deep Creek, a natural waterway that bisects the disadvantaged community of Farmersville, restore the riparian habitat by removing invasive plants, litter and debris, and promote environmental stewardship through a robust education/outreach campaign to "Keep Deep Creek Clean". The objectives will be achieved through the development of a comprehensive restoration plan and implementation of restoration activities on two priority segments of the Deep Creek in a built-out residential area. DWR funding will support the development of the restoration plan, and implementation for the first priority phase segment.

Project: Francis Creek Rehabilitation and Restoration Project **Award**: $716,634

Region: Northern

County: Humboldt

Sponsor: Humboldt County Resource Conservation District

Cosponsor: Salt River Watershed Council

Total Project Cost: $2,101,833

Grant Request: $716,634

The Francis Creek Rehabilitation and Restoration Project will restore channel capacity and conveyance and enhance the ecological values of Francis Creek while reducing flooding of roads, infrastructure, and residences. It will install structural and nonstructural design elements that will provide long-term sediment management capabilities, involve the community in planning for restoring Williams Creek and build community capacity to steward project and watershed improvements into the future.

Project: Janes Creek Instream Restoration Project **Award**: $49,423

Region: Northern

County: Humboldt

Sponsor: City of Arcata

Cosponsor: Humboldt Bay Keeper

Total Project Cost: $98,675

Grant Request: $49,423

This project will restore instream and riparian habitat and channel capacity by removing exotic reed canary grass and other invasive plant species and reestablishing native riparian vegetation. In addition, the project will improve instream habitat complexity by placing wood within select reaches of Janes Creek. City, USFWS, Humboldt Bay Keeper and Humboldt Fish Action Council staff and volunteers will work with the City to protect and restore public and private property to help remove invasive reed canary grass and revegetate these areas. Humboldt Bay Keeper volunteers will also sample water quality before and after restoration efforts. Volunteer work days will be open to the public so that all interested community members can participate.

Project: Las Positas Creek Restoration Project **Award**: $1,000,000

Region: Southern

County: Santa Barbara

Sponsor: City of Santa Barbara

Cosponsor: Santa Barbara Urban Creeks Council

Total Project Cost: $2,800,000

Grant Request: $1,000,000

The Las Positas Creek Restoration Project proposes to restore over 2,000 feet of urban creek by removing 30,000 square feet of concrete channelization, installing engineered biogeotechnical stream banks to reduce erosion, planting over 7,500 local-genotype native plants, replacing two undersized culverts, and restoring the historic floodplain to accommodate 100-year flows entirely. The project changes FEMA's 100-year floodplain boundary to exclude 47 homes currently at risk of flooding and associated damage to property. The new channel features will restore a diverse, self-sustaining riparian ecosystem that will support fish, migratory birds, and amphibians. An educational signage program, website, and guided tours will promote the benefits of innovative stream corridor management and restoration. Volunteer work days, organized by the non-profit Santa Barbara Urban Creeks Council, will engage the community in hands-on environmental stewardship.

Project: Las Virgenes Creek Bank Stabilization, Stream Restoration , and Fish Barrier Enhancement Project **Award**: $676,735

Region: Southern

County: Los Angeles

Sponsor: City of Calabasas

Cosponsor: Mountains Restoration Trust

Total Project Cost: $932,860

Grant Request: $676,735

This Las Virgenes Creek Bank Stabilization, Stream Restoration, and Fish Barrier Enhancement Project objectives are to remove obstacles to fish passage and improve aquatic habitat, arrest vertical and lateral erosion, and sedimentation, and re-establish a coherent riparian corridor in a substantially urban setting. Enhancements to the creek will focus on riparian corridor restoration, erosion and sediment control and biotechnical slope and bank stabilization, fish habitat enhancement, and environmental education. This work will be accomplished in a way that improves channel flood carrying capacity and improves habitat conditions to restore the fluvial geomorphic balance of the creek.

Project: Little Deer Creek/Pioneer Park Restoration and Flood Mitigation Project **Award**: $485,208

Region: Northern

County: Nevada

Sponsor: City Nevada City

Cosponsor: Sierra Streams Institute

Total Project Cost: $612,582

Grant Request: $485,208

The Little Deer Creek/Pioneer Park Restoration and Flood Mitigation Project will restore Little Deer Creek to a more natural condition as it flows through an urban park by removing the eroding concrete channel that confines the creek, widening the stream channel and reconnecting it to its floodplain, and restoring native vegetation. This will increase the Pioneer Park's recreational value by reducing the occurrence of flooding in the ball field; an accessible recreational trail will be created that will enhance community enjoyment of Little Deer Creek. The project will engage local community in stewardship of the creek while educating citizens on issues related to urban stream management.

Project: Lower Colgan Creek Restoration Phase 2 **Award**: $941,224

Region: North Central

County: Sonoma

Sponsor: City Santa Rosa

Cosponsor: Redwood Empire Chapter of Trout Unlimited

Total Project Cost: $2,502,239

Grant Request: $941,224

The Lower Colgan Creek Restoration Phase 2 project will increase flood capacity to contain the 100 year flood event. The restoration design accomplishes this goal by increasing the channel width and adding in restoration features that will increase habitat variability and will plant native trees in the channel. These elements will increase the amount and quality of the riparian habitat. The project also supports the community to educate them about the benefits of creeks and participate in the creek restoration project. The goal of the education program is to increase community participation in the City's Creek Stewardship Program for residents of southwest Santa Rosa. The project incorporates a classroom education program and includes local high school students in creek clean-up events.

Project: Maria Ygnacio Debris Basin Modification Project **Award**: $231,662

Region: Southern

County: Santa Barbara

Sponsor: Santa Barbara Flood Control & Water Conservation District

Cosponsor: South Coast Habitat Restoration

Total Project Cost: $488,803

Grant Request: $231,662

The Maria Ygnacio Debris Basin Modification Project reduces chronic creek bank and bed degradation and improves the hydrologic function of the main stem of Maria Ygnacio Creek. The project will also restore riparian habitat and provide access to nearly one mile of upstream spawning and rearing grounds for federally endangered steelhead trout. Restoration efforts include removal of a grouted rock and earth-filled dam, removal of a concrete low-flow road crossing, remediation of a fish migration barrier at the grouted rock grade control structure (upstream of the dam) and restoration of creek banks.

Project: North Campus Open Space Devereux Creek Floodplain Restoration Project **Award**: $939,385

Region: Southern

County: Santa Barbara

Sponsor: Land Trust for Santa Barbara

Cosponsor: Santa Barbara County Flood Control District

Total Project Cost: $3,480,564

Grant Request: $999,982

The North Campus Open Space Devereux Creek Floodplain Restoration Project will remove approximately 200,000 cubic yards of fill soil from within the floodplain of Devereux Creek to reduce flooding and ecologically disruptive flood control management in the City of Goleta. The project will restore the area to create a self-sustaining system that enhances hydrologic and ecological function of the riparian to estuarine transition zone; also it will support populations of endangered tidewater goby and provide education through outreach, interpretive signs, a video, volunteer restoration events and tours. Benefits from the project will reduce localized flooding, eliminate disruptive flood control activities, support listed and sensitive species, provide long term educational opportunities to college students at University of California Santa Barbara and support public access to a 652 acre open space by members of the disadvantaged community of Isla Vista.

Project: Rohner Creek Floodplain Restoration Project **Award**: $391,018

Region: Northern

County: Humboldt

Sponsor: City of Fortuna

Cosponsor: Redwood Community Action Agency

Total Project Cost: $391,018

Grant Request: $391,018

The Rohner Creek Floodplain Restoration Project is a continuation of the larger Rohner Creek Flood Control, Seismic and Habitat Improvements Project; this floodplain improvement includes the extension of a floodplain swale and inset floodplain. The improvements, in conjunction with the larger project, will convey flows up to the 100 year event and allow smaller flows to regularly inundate the inset floodplain along Rohner Creek, restoring channel-floodplain connectivity. Funding from DWR provides for project administration, construction of floodplain improvements, and community involvement, while the project designs, CEQA, and permitting are being completed under a separate project.

Project: Three Creeks Restoration **Award**: $744,404

Region: North Central

County: Contra Costa

Sponsor: American Rivers

Cosponsor: Contra Costa Flood Control and Resource Conservation District

Total Project Cost: $2,851,603

Grant Request: $827,117

The Three Creeks Restoration project has multiple objectives to restore and enhance the ecological viability of the riparian ecosystem along Marsh Creek, to improve flood protection, and to promote public awareness and local creek stewardship. The project involves excavating a new floodplain and expanding the channel along 1,400 linear feet of Marsh Creek in Brentwood, CA to create greater capacity for both improved flood protection and establishment of 3 acres of riparian vegetation. The project will also engage local residents through active stewardship (including volunteer opportunities and site visits) and by enhancing recreational opportunities along the creek.

CONTINGENCY PROJECTS – Subject to Availability of Funds

Project: Antelope Creek Flood Control Project **Award**: Contingency

Region: North Central

County: Placer

Sponsor: Placer County Flood Control and Water Conservation District

Cosponsor: Maya Archers Club

Total Project Cost: $2,021,700

Grant Request: $350,000

The Antelope Creek Flood Control Project involves the demolition of one existing culvert crossing over Antelope Creek in Roseville CA and installation of a fish friendly on channel flood control weir and specific creek restoration elements. The weir will provide significant benefit to critical fish habitat by removing existing fish barriers, debris, and invasive plant species; Native plants will be added to the riparian corridor and an existing public recreational trail will be improved including installation of interpretive signs.

Project: Cottonwood Dam Improvement Project **Award**: Contingency

Region: North Central

County: Placer

Sponsor: Dry Creek Conservancy

Cosponsor: Placer County Community Development Resource Agency

Total Project Cost: $1,209,300

Grant Request: $998,300

The Cottonwood Dam Improvement Project will remove a section of Cottonwood Dam that impedes migration of threatened Central Valley steelhead and Chinook salmon to habitat in the upper half of the Miners Ravine watershed in Roseville, CA to restore the natural stream channel, riparian corridor, and floodplain through the reservoir area. The restoration goals are to maintain and improve floodplain storage, improve aesthetic and ecological conditions in the project reach, improve fish migration, improve site safety and landowner access to Miners Ravine, and promote education and stewardship with the homeowners and their surrounding community.

Project: Daylighting Codornices Creek at Kains Street Project **Award**: Contingency

Region: North Central

County: Alameda

Sponsor: City of Berkeley

Cosponsor: Earth Island Institute

Total Project Cost: $613,731

Grant Request: $441,231

The Daylighting Codornices Creek at Kains Street Project will restore a critical stretch of Codornices Creek, which has been the focus of extensive watershed restoration efforts over the past 20 years, to benefit steelhead, reduce flood risks and stabilize creek banks through removing concrete channel linings and reinforcing the soil with bioengineering. The project also provides an amenity to a low-income community and will offer habitat for songbirds and other wildlife, in addition to restoring habitat conditions in the creek for the federally threatened steelhead (*Oncorhynchus* mykiss).

Project: Pinole Urban Creek Restoration Project **Award**: Contingency

Region: North Central

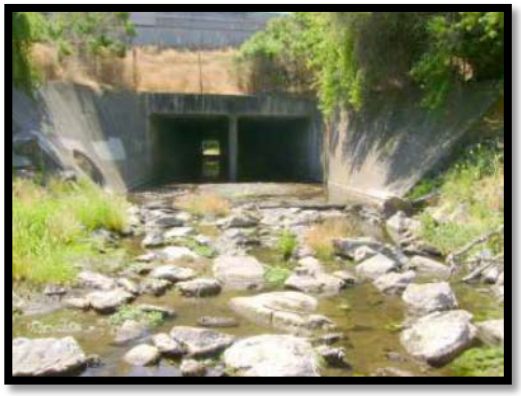
County: Contra Costa

Sponsor: Contra Costa Resource Conservation District

Cosponsor: Friends of Pinole Creek Watershed

Total Project Cost: $1,214,652

Grant Request: $299,763



The Pinole Urban Creek Restoration Project supports volunteer restoration, enhancement, and monitoring in the urban portions of Pinole Creek Watershed while removing a significant barrier to fish migration for threatened Central California Coast steelhead. Two small demonstration projects will use innovative bio-engineering and natural creek restoration methods to improve ecological function in an area where few similar projects have been completed. The project's innovative approach will leverage partnerships and community awareness raised by this infrastructure improvement project to generate community engagement in long-term creek stewardship; this includes the first application of data from Contra Costa County's Volunteer Monitoring Program for post-project monitoring and evaluation of salmonid recovery.

Project: Sausal Creek Erosion Control Project: Phase 2: Old Canyon Trail Gully Remediation Project

Award: Contingency

Region: North Central

County: Alameda

Sponsor: Friends of Sausal Creek

Cosponsor: City of Oakland

Total Project Cost: $904,555

Grant Request: $741,500

The Sausal Creek Erosion Control Project: Phase 2 Old Canyon Trail Gully Remediation Project will combine engineering controls with native plant revegetation to manage urban storm water runoff in a highly utilized reach of Sausal Creek. Using engineering plans developed under an earlier USRP grant, the project will stabilize the gullies using licensed contractors and grass roots volunteers; Preliminary engineering plans for three other eroded side ravines will also be developed. The project enhances the riparian ecosystem, provides erosion control benefits, and promotes public awareness of the creek while increasing stewardship of the creek by involving local residents in implementation and stewardship. The project will stabilize slopes, reduce erosion, and conserve topsoil, thus reducing sediment loads and improving water clarity and quality. This will contribute to improved habitat for macroinvertebrates and rainbow trout. Invasive plant removal and replanting will restore native plant communities, increasing biodiversity and improving wildlife habitat.

Project: Stream Restoration and Soccer in Salinas

Award: Contingency

Region: South Central

County: Monterey

Sponsor: University Corporation at Monterey Bay

Cosponsor: City of Salinas

Total Project Cost: $389,858

Grant Request: $389,858

The Stream Restoration and Soccer in Salinas project will restore creek functions to a portion of Salinas' Gabilan Creek through the planting of native vegetation (13,740 native plants over 4.57 acres). A part of the development of the Salinas Regional Soccer Complex we will engage the Salinas sports community in the restoration. Over five years, participation will reach more than 4000 kids and community members assisting with planting native seeds, out-planting of seedlings and trees, weed removal and clean-up, and monitoring restoration success.

Project: Ulatis Creek Flood Management & Riparian Enhancement Program **Award**: Contingency

Region: North Central

County: Solano

Sponsor: California Land Stewardship Institute

Cosponsor: Solano County Resource Conservation District

Total Project Cost: $388,950

Grant Request: $334,550

The Ulatis Creek Flood Management & Riparian Enhancement Program will reduce flood hazards and stream bank erosion along Ulatis Creek in Vacaville while improving the ecological values of the creek and its riparian corridor. This project will focus on the eradication of invasive nonnative *Arundo donax*, that has invaded Ulatis creek and increases flood risks, stream bank erosion and reduced habitat and ecological values. There is approximately 5 acres of Arundo spread out over 10 miles of the creek; in order to avoid reinfesting the urban portion of the creek this project will also treat Arundo upstream of the urban channel. The project will reduce flooding many creek side businesses and residences, especially a mobile home park adjacent to the creek, in a disadvantaged community.

Project: Upper Llagas Creek Flood Protection Project: Phase 1 **Award**: Contingency

Region: North Central

County: Santa Clara

Sponsor: Santa Clara Valley Water District

Cosponsor: Our City Forest

Total Project Cost: $39,000,000

Grant Request: $1,000,000

The Upper Llagas Creek Flood Protection Project: Phase 1 will provide 100 year flood protection in a developing urban area. The goals are to stop channel incision and related bank erosion, remove an ineffective Denil fish ladder to replace it with a geomorphic-designed channel, remove 2 acres of grouted concrete channel, and replace concrete rubble with stable, vegetated banks. A newly configured geomorphically-stable bankfull stream channel will allow for in- and out-migration of adult and juvenile fish during low- and high flows; the stream banks will be revegetated with native vegetation for stabilization and habitat values, and the project will engage with community for recreational and educational opportunities on-site.