

**2018 Fisheries Habitat Restoration Proposals – FRGP/FLAR/CMP Focus - Funded List**

<b>Focus</b>	<b>Project Type</b>	<b>Proposal ID</b>	<b>Title</b>	<b>Applicant</b>	<b>Project Description</b>	<b>County</b>	<b>Region</b>	<b>Funded Amount</b>
FRGP	FP	2018179	Gulch C Coho Salmon Fish Passage Improvement Project	Trout Unlimited, Inc.	The objectives of the project are to restore access for salmonids to 1.3 miles of habitat upstream of two barriers and to improve the geomorphic function of Gulch C at the confluence with the Noyo River. This will be accomplished by replacing both culverts with new crossing structures. These structures were designed based on current standards, will meet fish passage requirements defined by CDFW and NMFS, and will convey the 100-year flood with associated sediment and large wood.	Mendocino	1	\$1,141,128.35
FRGP	HB	2018297	Restoring Fish Passage from Salt River to Williams Creek	Humboldt County Resource Conservation District	The project will excavate and restore 3,000 ft of the aggraded and disconnected Salt River channel to re-connect Williams Creek; a second order stream with approximately 6.9 miles of blue line stream (USGS Ferndale 7.5 minute quadrangle).	Humboldt	1	\$193,237.80
FRGP	HI	2018273	Moody Creek Instream Habitat Enhancement	Eel River Watershed Improvement Group (ERWIG)	This project will create 16 instream features within 0.5 miles of Moody Creek, consisting of 56 logs, 41 of which will be key pieces. These structures will enhance spawning and rearing habitats by increasing pool complexity, depth, and frequency, sorting spawning gravels, and providing velocity refugia. The end result will provide habitat for all salmonid species that are found in Moody Creek.	Mendocino	1	\$131,035.87
FRGP	HI	2018274	Redwood Creek Watershed Key Piece LWD Project	Eel River Watershed Improvement Group (ERWIG)	Thirty-one LWD structures containing 92 pieces of LWD (35 key pieces) will be built in the Redwood Creek site. Twenty-five LWD structures containing 71 pieces of LWD (32 key pieces) will be built in the SF Redwood Creek site. These structures will enhance spawning and rearing habitats by increasing pool complexity, depth, and frequency, sorting spawning gravels, and providing velocity refugia. Between the two sites 400 native plants and trees will be planted.	Mendocino	1	\$238,611.84

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FRGP	HI	2018208	Hare Creek and Bunker Gulch Coho Stream Habitat Enhancement Project	Mendocino Land Trust	44 sites containing 88 pieces of properly sized LWD will be installed in Hare Creek. 34 sites containing 69 pieces of properly sized LWD will be installed in Bunker Gulch. These LWD augmentation actions will create complex pools and improve the quality and quantity of spawning and rearing habitat for Coho and Steelhead on 4,310' of Hare Creek and 4,980' of Bunker Gulch.	Mendocino	1	\$360,952.85
FRGP	PD	2018347	Smith River Estuary Backwater Habitat Enhancement Design Project - Tedsen Property	Smith River Alliance	Develop designs that will improve the quality and quantity of off-channel juvenile salmonid rearing habitat in the Smith River estuary on the south bank of the river.	Del Norte	1	\$59,759.27
FRGP	HI	2018280	Tannery Creek Large Wood Recruitment Project 2018	Gold Ridge Resource Conservation District	To enhance rearing and spawning habitat for Coho salmon by placing 50'+ locally recruited logs and rootwads at 42 sites along a 2,045-ft reach of Tannery Creek, placed to scour and enhance pools, retain spawning gravel, provide cover and high-flow refugia, and enhance habitat complexity.	Sonoma	3	\$211,034.13
FRGP	PD	2018183	Dry Dock Gulch Fish Passage Design Project	Trout Unlimited, Inc.	Following the guidance of the 2017, `Feasibility Study for Restoring Fish Access to Dry Dock Gulch`, report this project proposes to develop final engineering designs for a new culvert crossing on the M1 Road and for an off-channel habitat `complex` in lower Dry Dock Gulch. These designs will eventually result in a fully implementable project that will restore fish access and tidal connectivity, and enhance fisheries habitat in lower Dry Dock Gulch.	Mendocino	1	\$92,709.25
FRGP	PD	2018227	Upper Tryon Creek Stream Enhancement Design Project	Smith River Alliance	Conduct assessments of a channelized reach on Tryon Creek. Use data from assessment to develop designs to restore meandering bends, natural fluvial process, riparian vegetation, and livestock fencing. Developed project designs will result in increased juvenile Coho salmon winter rearing habitat along 0.83 miles of Tryon Creek.	Del Norte	1	\$116,386.74

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FRGP	PD	2018345	Middle Stotenburg Creek Coho Habitat Enhancement Design Project	Smith River Alliance	Assess Middle Stotenburg Creek to determine locations to increase the quality and quantity of instream structure. Develop designs for instream structures and one private road crossing to be used for implementation, enhancement of instream structure, and restoration of natural channel form and function. Develop plans to increase riparian vegetation where it is lacking within the project reach.	Del Norte	1	\$76,459.33
FRGP	FP	2018357	Fish Passage Improvement Project at 12th Street	City of Fortuna	Improved fish passage within the lower reach of Rohner Creek, benefiting access to upstream habitat for all life stages of salmonids.	Humboldt	1	\$706,322.00
FRGP	PD	2018296	Lindsay Creek In-stream Coho Habitat Improvement Design Project	Pacific Coast Fish, Wildlife and Wetlands Restoration Association	The objective of this proposal is to produce 100% design plans to improve instream habitat conditions through introduction of LWD habitat structures and increase the areal extent of side channel habitat through the development of channel restoration activities, as well as restored riparian habitat.	Humboldt	1	\$111,483.30
FRGP	HI	2018290	Salmon Creek - Salmonid Habitat Enhancement with Accelerated Recruitment (SHEAR)	Eel River Watershed Improvement Group (ERWIG)	This project will create 19 instream features within 1.1 miles of Salmon Creek, consisting of 36 logs. These structures will enhance spawning and rearing habitats by increasing pool complexity, depth, and frequency, sorting spawning gravels, and providing velocity refugia. The end result will provide habitat for all four salmonid species that are found in Salmon Creek. Two hundred native conifers and 600 willow cuttings will also be planted where appropriate along the project reach.	Humboldt	1	\$91,790.92

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FRGP	PD	2018224	Wheeler Gorge Campground Final Designs	Earth Island Institute	The objective of this project is to complete the designs for the removal of four barriers to Southern steelhead migration in the Wheeler Gorge Campground on North Fork Matilija and Bear Creeks, and replace two of these barriers with vehicular bridges. This will allow for the completion of the 65%, 90%, and 100% designs for this project. Removal of these barriers will result in an additional 13 miles of good quality habitat to be made available to SCS in the Ventura River watershed.	Ventura	5	\$131,282.84
FRGP	FP	2018207	Fish Passage Improvement at Crossing 8, Quiota Creek	Cachuma Operation and Maintenance Board	Provide 3.03 miles of spawning and rearing habitat for southern steelhead ( <i>Oncorhynchus mykiss</i> ) by removing the passage migration barrier at Crossing 8 and replacing it with a 54 foot-span concrete bottomless arch culvert (bridge).	Santa Barbara	5	\$1,010,700.00
FRGP	FP	2018232	Panther Creek Barrier Removal Project	Pacific Coast Fish, Wildlife and Wetlands Restoration Association	The proposed project intends to improve fish passage by removing a barrier that currently restricts passage to all life stages of salmonids. The barrier targeted by the proposed project was previously evaluated by CDFW and Redwood National Park (Bundros, et al. 2004), and consequently was recommended for removal. The removal of this barrier will immediately benefit Coho salmon within Panther and Redwood Creeks.	Humboldt	1	\$287,076.13
FRGP	HB	2018241	Mid-Klamath Tributary Fish Passage Improvement Project	Salmon River Restoration Council	Improve juvenile and adult salmonid fish passage to 70 tributaries in the Middle Klamath, Salmon, and Lower Scott River subbasins through manual modification of seasonal barriers. Project includes habitat assessment and fish presence assessment.	Siskiyou, Humboldt	1	\$77,056.50

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FRGP	HI	2018236	Bioengineering and Large Wood Installation - Redwood Creek	Eel River Watershed Improvement Group (ERWIG)	The project objectives are to increase salmonid habitat in Redwood Creek through the placement of 25 instream LWD structures, containing 59 logs, along a 0.38 mile long stream reach (worksite). These structures will enhance instream habitat through increased shelter and channel complexity, deepened pools, and gravel sorting. Bank stabilization and riparian improvement will be completed through bioengineering, planting and strategic armoring of currently failing or susceptible bank material.	Humboldt	1	\$220,380.56
FRGP	HI	2018314	Large Woody Debris and Stream Enhancement on San Geronimo Creek	Salmon Protection and Watershed Network	The project objectives are to install several large woody debris structures consisting of anchored logs with rootwads in San Geronimo Creek, and; restore riparian habitat along San Geronimo Creek and Larsen Creek following the removal of creekside structures. The project goals are to increase winter survival of juveniles (the limiting factor for salmonids), improve spawning and spring/summer rearing habitat, and improve riparian health and function.	Marin	3	\$377,530.10
FRGP	HI	2018353	McGinnis Creek Instream Habitat Enhancement Project	Mattole Salmon Group	The objectives of this project are to increase pool frequency, pool depth, cover, channel complexity, and floodplain connectivity through the placement of at least 100 trees in 0.75 miles of a Mattole River tributary in order to enhance spawning and rearing habitat in a stream reach with potential for steelhead, and Coho and Chinook salmon. This work will occur at 16 sites, with 35 structures through the placement of large woody debris including up to 25 whole trees.	Humboldt	1	\$363,546.79

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FRGP	HU	2018238	Redwood Creek Habitat Protection Project	Redwood National Park	<p>1. Remove 0.8 mile of legacy logging road from riparian forest adjacent to Larry Damm Creek.</p> <p>2. Excavate and stabilize an estimated 15,000 cubic yards of fill material from stream crossings and unstable slopes.</p> <p>3. Place large wood in subject channel to improve Coho habitat, or place in main stem of Prairie Creek.</p> <p>These activities will prevent erosion and minimize future sedimentation of the subject stream channel, which provides critical spawning habitat for Coho.</p>	Humboldt	1	\$159,489.00
FRGP	PD	2018234	Bruno Reach Habitat Restoration Design Project, Upper Green Valley Creek, Sonoma County, CA.	Gold Ridge Resource Conservation District	<p>To produce 100% design plans, tech specs, and an engineer's cost estimate for a project that will arrest channel incision, improve habitat complexity, provide high flow refugia, and decrease storm flow velocities through a 1,100-foot reach of upper Green Valley Creek.</p> <p>Components include: 1) seasonal wetland backwater, side-channel, or refugia alcoves 2) enhancement of existing LWD structures 3) increased cross-sectional area of the high-flow channel, and 4) creation of in-set floodplains.</p>	Sonoma	3	\$171,758.66
FRGP	HI	2018331	Dutch Bill Creek Winter Habitat Enhancement Project	Gold Ridge Resource Conservation District	<p>The primary project objective is to significantly increase the shelter rating for the project reach of Dutch Bill Creek from the current value of &lt;25. The overall goal of the project is to improve conditions for overwintering fish by providing refuge from high velocity flows during and after rainfall events. A secondary goal is to enhance summer habitat conditions by providing additional shelter for oversummering juvenile fish.</p>	Sonoma	3	\$202,848.31

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FRGP	PD	2018382	Sisar Creek Arizona Crossing Replacement 100% Design Project	Friends of the Santa Clara River	Complete 100% design and Construction Documents to replace Arizona crossing (PAD ID 713895) and address the streambed elevation difference between the upstream and downstream sides of Arizona crossing, on Sisar Creek to allow steelhead migration upstream to refugia, rearing & spawning habitat from the Pacific Ocean; advance NMFS Recovery Plan goals.	Ventura	5	\$200,648.00
FRGP	PD	2018184	Cooper Mill Creek Coho Salmon Fish Passage Design Project	Trout Unlimited, Inc.	The objective of the project is to develop final engineered designs for two known partial barriers; a failing boulder weir step structure near the mouth of Cooper Mill Creek and a remnant concrete weir that is ~0.5 mi. upstream. Restoring access to Cooper Mill Creek benefits all life stages of salmonids, but most likely will have the greatest benefits to rearing juvenile salmonids by providing access to cold water refugia in the summer and winter refugia during high velocity flow events.	Humboldt	1	\$98,711.25
FRGP	PD	2018260	Stanislaus River Salmonid Habitat Restoration Project at the Stanley Wakefield Wilderness Area	City of Oakdale	<ul style="list-style-type: none"> <li>-Augment, rehabilitate, and enhance productive Stanislaus River juvenile salmonid rearing and adult spawning habitat;</li> <li>-Enhance juvenile salmonid access to historic floodplain habitat;</li> <li>-Reduce main channel habitats potentially conducive to invasive fish species;</li> <li>-Address goals of existing recovery plans and work synergistically with existing restoration efforts;</li> <li>-Improve community opportunities to participate in, learn about, and support salmonid habitat restoration.</li> </ul>	Stanislaus	4	\$341,035.32

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FRGP	PD	2018270	Iron Horse Diversion and Dempster Diversion Fish Screen Design Project	Gold Ridge Resource Conservation District	The object of this project is to develop 100% designs for two fish screens at two separate locations on Green Valley Creek in accordance with CDFW/NMFS screening criteria for two agricultural water diversions used for irrigation and frost protection, that when implemented, will prevent the entrainment and mortality of juvenile salmonids.	Sonoma	3	\$80,098.73
FRGP	HU	2018189	Dutch Charlie Creek Sediment Reduction and Fisheries Recovery Project	Trout Unlimited, Inc.	This project will result in the permanent removal of 7.23 miles of streamside road which represents the vast majority of the streamside road under Lyme Timber Company management in the Dutch Charlie Watershed. It will reduce future impacts from the road system to the watershed by eliminating approximately 11,304 cu. Yds. of future potential sediment from the decommissioned road system. Large wood from the decommissioned roads will be placed in the adjacent stream channels.	Mendocino	1	\$659,325.86
FRGP	MD	2018216	Coastal Mendocino Salmonid Life Cycle and Regional Monitoring Project	Pacific States Marine Fisheries Commission	The main objectives for this project include continuing salmonid Life Cycle Monitoring (LCM) in three select streams (Pudding Ck, SF Noyo, NF Navarro) and conducting regional spawning ground surveys in six independent population watersheds within Mendocino County. Spawner and outmigrant abundance data will be used to estimate salmonid production and determine population trends. LCM data will be used to calibrate regional spawning ground surveys for more accurate escapement estimates.	Mendocino	1	\$560,779.83
FRGP	MD	2018329	Southern California steelhead DIDSON and Life Cycle Monitoring	Pacific States Marine Fisheries Commission	Continue the operation of Dual Frequency Identification Sonar (DIDSON) fixed counting stations in three core one systems to provide adult steelhead abundance estimates. Comprehensive redd surveys in the Ventura River and Carpinteria Creek watersheds will provide spatial distribution data for spawning adults. DIDSON fixed counting stations and redd surveys will facilitate operation and development of Life Cycle Monitoring stations in study systems.	Santa Barbara	5	\$652,298.73



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FRGP	PI	2018214	Watershed Stewards Program - Year 26	California Conservation Corps - Watershed Stewards Program	WSP will engage 48 Members throughout coastal California to enhance anadromous watersheds through restoration and protection, community education and outreach events, recruiting volunteers for hands-on restoration projects, and professional development.	All	All	\$548,792.63
FRGP	MO	2018196	Effectiveness & Validation Monitoring of Scott River Beaver Dam Analogues	Scott River Watershed Council	This project will evaluate the effects of Beaver Dam Analogues on juvenile Coho, in habitats influenced by BDA construction to determine if restoration treatments and features have produced the desired habitat conditions and/or watershed processes. The project will determine if BDAs are influencing the growth and survival of juvenile Coho in comparison to control reaches.	Siskiyou	1	\$403,353.20
FRGP	MO	2018351	Structural Monitoring of Constructed Off-Channel Habitats	Mid Klamath Watershed Council	Project objectives for this monitoring and evaluation project (at each proposed site) will be: 1. Develop Long term project effectiveness and monitoring plan based off of data collected before and after this project 2. Monitor project effectiveness of constructed habitats using quantitative and qualitative methods 3. Determine best practice plan for connecting off-channel habitats to the associated creek 4. Develop cost effective maintenance plan for constructed habitats.	Siskiyou	1	\$67,993.00
FRGP	TE	2018285	2019 and 2020 Annual Coho Confabs	Salmonid Restoration Federation	To produce three Coho Confabs to educate and train restoration specialists and watershed restoration groups on Coho salmon recovery strategies, restoration techniques, and BMPs to restore Coho habitat. This project includes technical education workshops, demonstration field tours, and forums to teach stakeholders about priority recovery actions including fish passage design and implementation, flow enhancement, sediment reduction, riparian enhancement, and other actions to recover salmonids.	All	All	\$46,750.00

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FRGP	TE	2018325	38th and 39th Annual Salmonid Restoration Conference	Salmonid Restoration Federation	To produce the 38th and 39th Annual Salmonid Restoration Conferences to offer technical education workshops and teach habitat restoration techniques to practitioners, landowners, agency personnel, scientists, students, tribes and consultants in order to contribute to protection and restoration of anadromous salmonids. Each conference includes workshops, field tours, concurrent sessions, and keynotes to address recovery strategies and actions in the state and federal salmonid recovery plans.	All	All	\$93,962.00
FRGP	PL	2018354	Passage Assessment Database (PAD) 2019-2021	Pacific States Marine Fisheries Commission	1: Ensure that data the used for planning and prioritizing fish passage projects are current, comprehensive and quality controlled. 2: Support barrier prioritization and optimization efforts. 3: Ensure continuing public access to fish passage and related data (PAD, etc.). 4: Identify areas lacking fish passage surveys. 5: Maintain open and active communication between PAD and fish passage community. 6: Increase awareness of the PAD including how to effectively use and improve passage data.	All	All	\$157,807.54
FLAR	HI	2018192	Soldier Creek Instream Habitat Enhancement Project	Trout Unlimited, Inc.	This project will install 200 key pieces of wood within 9,651 ft of Soldier Creek, a class I stream channel, resulting in an overall wood density of approximately 6.25 key pieces per 100 meters.	Mendocino	1	\$332,067.75
FLAR	HU	2018190	Moody Creek Sediment Reduction and Coho Habitat Enhancement Project	Trout Unlimited, Inc.	This project will result in the permanent removal of 3.08 miles of riparian road along Moody Creek. This represents approximately 60% of the streamside road in the watershed under Redwood Forest Foundation Inc. (RFFI) management. The project will reduce future anthropogenic sediment impacts from the road system to the watershed by preventing approximately 11,370 cu. yds. of potential sediment delivery to Moody Creek.	Mendocino	1	\$380,633.25

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FLAR	HU	2018191	Soldier Creek Sediment Reduction and Salmonid Recovery Project	Trout Unlimited, Inc.	This project will result in the permanent removal of 2.48 miles of streamside riparian road which represents almost 100% of the streamside road under Redwood Forest Foundation Inc. (RFFI) management along Soldier Creek. It will also reduce future anthropogenic sediment impacts from the streamside road system to the watershed by eliminating approximately 2,750 cu. yds. of future potential sediment from the decommissioned road system and normalizing the hillside hydrology.	Mendocino	1	\$235,287.25
FLAR	HU	2018222	Inman Creek Sediment Reduction Project	The Conservation Fund	Decommissioning of 1.1 miles of road for sediment reduction at worksite 1. Decommissioning of .5 miles of road for sediment reduction at worksite 2.	Mendocino	3	\$46,431.00
CMP	MD	NA	The Continuation of the California Monitoring Program Project	California Department of Fish and Wildlife	The California Monitoring Program (CMP) is a statewide monitoring program coordinated by CDFW, in partnership with National Marine Fisheries Service, the Southwest Fisheries Science Center, and granting partners. It is designed to inform salmon and steelhead recovery, conservation, and management.	All	All	\$1,750,000