

San Francisco Bay Joint Venture Active Project List, December 2017

Project Name	Project Rank	County	Description	Acre	Funding Needs 3-5 yr	Lead
Alameda Creek Diversion Dam Fish Passage	Tier 1	Alameda	This project will reduce water diversions and construct a fish ladder and fish screens on the Alameda Diversion Dam.	NA	\$0	Alameda Creek Alliance
Alameda Creek Fisheries Restoration	Tier 1	Alameda	This project aims to restore a run of steelhead trout to Alameda Creek. Removal of barriers, improved flows, and other improvements will help support steelhead spawning and rearing and ultimately restore steelhead fisheries.	NA	\$12,000,000	Alameda Creek Alliance
Alameda Point Restoration	Tier 1	Alameda	The East Bay Regional Park District is converting the former Naval Air Station for use as wildlife habitat and public parkland. This project will extend access to restored shoreline areas and will help support an endangered least tern colony.	660	\$0	Association of Bay Area Governments, East Bay Regional Park District
Albany Beach Restoration and Public Access Project - McLaughlin Eastshore State Park	Tier 1	Alameda	The project will enhance Albany Beach by arresting beach erosion, expanding dune and wetlands, constructing wetland and rain garden features to improve water quality, complete a key segment of the SF Bay Trail, expand shoreline access area available to the public and construct visitor amenities.	3	\$4,000,000	East Bay Regional Park District
Aramburu Island Enhancement Project - Richardson Bay - Phase 3: Revegetation, monitoring, adaptive management	Tier 1	Marin	This project is restoring a native oyster reef along the shoreline, making improvements to the log groins, performing annual monitoring, beach nourishment, and non-native invasive species control.	NA	\$135,000	Audubon California, Richardson Bay Audubon Center, Marin County Parks and Open Space
BAEDN Invasive Sea Lavender Eradication & Restoration	Tier 1	Alameda, Marin, San Mateo, Santa Clara	The project will eradicate all populations of invasive Algerian sea lavender and prevent future re-invasion to protect high tide refugia habitat for wildlife including the Ridgway's rail, black rail, and salt marsh harvest mouse. Treatment and removal were initiated in 2016 and will continue until complete.	NA	\$800,000	California Invasive Plant Council
Bahia Restoration Phase 3	Tier 1	Marin	Phase 3 includes enhancement, monitoring, and management of 400 acres of new marsh plain, seasonal wetland, and 35-40 acres of transition zone and upland habitat.	440	\$90,000	Marin Audubon Society
Bair Island Restoration	Tier 1	San Mateo	This project restored salt marsh habitat and a more natural tidal hydrologic regime to the Bair Island complex. Activities included breaching perimeter levees, excavating channels, restoring native vegetation, removing exotic plants, and improving public access through a new bridge and walking trail.	100	\$0	San Francisco Bay NERR - SFSU Romberg-Tiburon Center, State Coastal Conservancy

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Bay Point Regional Shoreline - Restoration and Public Access Project	Tier 1	Contra Costa	This project will restore approximately 17 acres of tidal wetlands, 4 acres of seasonal wetland, and 10 acres of transition and upland grassland, habitats resilient to sea-level rise. It will also provide public access improvements to trails, fishing access, drinking faucets, restroom upgrades and site security and safety features.	31	\$3,700,000	East Bay Regional Park District
Beach Watch Program	Tier 1		The long-term shoreline-monitoring project provides resource protection managers with a tool for determining the health of the ocean ecosystem and serves as an important baseline during an environmental disaster.	NA	\$2,160,000	Farallones Marine Sanctuary Association
Beaconsfield Canyon Restoration	Tier 1	Alameda	Volunteers have begun the removal of invasive vegetation and aim to reduce fire hazard to the residential area, plant native species and restore the canyon creek to a natural flow.	5	\$350,000	Friends of Sausal Creek
Bel Marin Keys V Wetlands Restoration	Tier 1	Marin	This project will design and implement tidal restoration, by using dredged sediment to raise elevations prior to levee breaching, and constructing an adjacent levee to protect neighboring communities from flooding. Bay Trail segments will also be completed.	1,564	\$125,000,000	State Coastal Conservancy
Berkeley Brickyard - McLaughlin Eastshore State Park	Tier 1	Alameda	This project will rehabilitate the Berkeley Brickyard area by removing imported fill and soil contaminants, stabilize eroding shoreline, establish new coastal scrub and prairie, and provide shoreline access to restored areas.	30.53	\$2,000,000	East Bay Regional Park District
Big Break Regional Shoreline - Wetland Restoration and Public Access	Tier 1	Contra Costa	The project will remove invasive plants, preserve a threatened plant species, remove roads that bisect the wetland areas, and build a viewing platform. Project goals are to protect and enhance habitat for the threatened California Black Rail and Giant Garter Snake, restore wetlands and coastal prairie, and improve public access.	87	\$3,000,000	East Bay Regional Park District
Brooks Island Habitat Improvement Project	Tier 1	Contra Costa	The project will remove existing inorganic debris and invasive vegetation, plant native dune vegetation, protect eroding areas, create ground-nesting bird habitat and control predators along more than three miles of shoreline. A primary goal is to restore, expand, protect, and develop viewing areas for the Caspian Tern nesting area.	25	\$500,000	East Bay Regional Park District
Candlestick Point - Yosemite Slough Wetland Restoration	Tier 1	San Francisco	This project restores over 10 acres of historic bay fill to functioning tidal marsh, adds transitional areas and 21 acres of restored waterfront parklands to provide habitat for wildlife and other ecological benefits. Other activities include re-vegetation, eliminating soil contaminants, and improving public access.	NA	\$1,300,000	California State Parks Foundation

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Chabot Watershed Partnership: Habitat Restoration and BMPs for Water Quality in an Impaired Urban Watershed	Tier 1	Solano	Filter strips and cattle exclusion from stream beds will be implemented on two miles of stream, and ecosystem function will be restored to over 360 acres through invasives removal and revegetation of over 50,000 native trees and plants.	360	\$571,153	Solano Resource Conservation District
Chelsea Wetlands	Tier 1	Contra Costa	This project restores tidal marsh and floodplain habitat functions for wildlife and improved flood protection at the mouth of Pinole Creek.	7	\$225,000	Ducks Unlimited, Inc.
City of Santa Rosa Farms Creek Restoration	Tier 1	Sonoma	This project will restore 100 foot stream buffers on numerous tributaries to Laguna de Santa Rosa that cross through active agricultural areas. Project activities will include invasive species control, exclusionary fencing (where necessary), riparian and upland planting, and maintenance.	128	\$1,500,000	Laguna de Santa Rosa Foundation
Coastal San Mateo County Drought Relief Program (Phase II)	Tier 1	San Mateo	These projects will increase off-stream water storage capacity, improve irrigation efficiencies and coordinate local management strategies for securing water during extreme droughts.	NA	\$4,300,000	San Mateo Resource Conservation District
Community-Based Restoration and Stewardship - Eden Landing Ecological Reserve	Tier 1	Alameda	Volunteers from several Bay Area communities have collaboratively removed thousands of pounds of garbage, eradicated invasive weeds and planted natives to restore tidal salt marsh habitat at this site.	10	\$100,000	Save The Bay
Corte Madera Ecological Reserve Expansion and Restoration	Tier 1	Marin	This project restores tidal marsh habitat by removing fill and improves public access to the restored wetlands, which will benefit the Ridgway's rail and other native wildlife. Other goals include reducing shoreline erosion through coarse material placement and restoring native vegetation to enhance high tide refuge and shoreline protection.	10	\$1,900,000	Marin Audubon Society
Cullinan Ranch	Tier 1	Solano	This project will restore the remaining 290 acres to tidal marsh through upland and/or beneficially reused dredged sediments to create wetland and associated habitats for wildlife like salt marsh harvest mice. Project also includes monitoring and adaptive management of entire 1,549-acre site.	1,509.10	\$5,000,000	Ducks Unlimited, Inc., U.S. Fish and Wildlife Service - San Pablo Bay National Wildlife Refuge
Denman Reach Phase 3	Tier 1	Sonoma	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; remove invasive species and increase riparian habitat.	14	\$975,000	City of Petaluma
Dimond Park and Canyon Restoration	Tier 1	Alameda	Work is focused on removing invasive plant species, planting 2,000-3,000 natives annually, controlling erosion from nearby city storm drains, and monitoring birds and invertebrates.	800	\$10,000	Friends of Sausal Creek

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Dutch Slough Tidal Marsh Restoration Project	Tier 1	Contra Costa	This project will restore or enhance tidal marsh, open tidal water, riparian woodland, grassland, and managed marsh habitats on formerly diked agricultural lands. Project goals include restoring a functioning ecosystem, increasing wildlife habitat, and providing flood protection and recreational opportunities.	1,166	\$10,000,000	California Department of Water Resources
Friends of Pinole Creek Watershed Native Plant Restoration project	Tier 1	Contra Costa	This project involves the removal of invasive plants, creation of a native plant demonstration garden on the upland area of Pinole Creek, and restoration of approximately 300 linear feet of Pinole Creek behind the Pinole Library.	2.3	\$1,000	Friends of Pinole Creek
Heron's Head Park	Tier 1	San Francisco	The Port of San Francisco owns and manages a restored wetland, public park, and environmental education center at Heron's Head Park on San Francisco's southeast shoreline. In 2018-2019 the Port will plan, design, and permit shoreline stabilization to protect and enhance habitat and enable resilience to sea level rise.	38	\$0	Port of San Francisco
Kent Island Restoration Project	Tier 1	Marin	The project will restore 23 acres of tidal marsh and coastal dune habitat for special status species by removing invasive vegetation, restoring historical function to the island, and improving hydrologic function and sediment transport.	23	\$421,000	NOAA - Gulf of the Farallones National Marine Sancuary
Laguna de Santa Rosa - Meadowlark Field	Tier 1	Sonoma	This project restores riparian, wetland, and oak woodland habitat in the Laguna de Santa Rosa watershed to improve flood protection and provide wildlife habitat. Activities include removing invasive species and planting native trees, shrubs, and plants.	NA	\$200,000	Laguna de Santa Rosa Foundation
Laguna Wetlands Preserve Riparian and Oak Savannah Restoration	Tier 1	Sonoma	This project will restore a former apple waste spray field to riparian and oak savannah habitat. Activities include invasive species control, planting, and maintenance.	NA	\$77,000	Laguna de Santa Rosa Foundation
Lagunitas Creek Watershed - Land Acquisition to Protect Creeks and Coho in West Marin	Tier 1	Marin	This project will acquire a 25-acre property along Lagunitas Creek for protection, restoration, and to create a public Salmon Education Center. This project will benefit the largest known native population of ESA-listed coho salmon which spawns in Lagunitas Creek as well as other fish and wildlife in the watershed.	100	\$0	Turtle Island Restoration Network - Salmon Protection and Watershed Network (SPAWN)
Living Shorelines: Near-Shore Linkages for San Francisco Bay	Tier 1	Alameda, Marin	The goal is to analyze subtidal restoration techniques, identify the best locations for restoration, and restore critical eelgrass and native oyster habitat, while providing climate change adaptation, flood control, and the protection and enhancement of wildlife habitat.	NA	\$300,000	State Coastal Conservancy

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Martin Luther King Jr. Regional Shoreline - Water Quality Project	Tier 1	Alameda	This project involves the installation and maintenance of trash collection facilities near the mouths of several urban creeks to improve wildlife habitat and water quality and help with stormwater management. Additional activities include a public access trail and other public use improvements.	NA	\$3,000,000	ABAG, East Bay Regional Park District
McNabney Marsh Tidal Restoration Project	Tier 1	Contra Costa	This project restores tidal flow to McNabney Marsh. Other project goals include deepening a culvert to improve drainage capacity, planting vegetation along a transition zone to bordering uplands, constructing an observation deck and controlling the spread of cattails.	137	\$0	Ducks Unlimited, Inc., Mountain View Sanitary District
Montezuma Wetlands Project	Tier 1	Solano	This project will restore about 1,820 acres of tidal wetlands, seasonal wetlands, intertidal ponds, vernal pools, and upland buffer zone habitats through the engineered placement of about 20 million cubic yards of agency-approved dredged sediment to raise the subsided site to elevations appropriate for intertidal marsh.	1,820		Lipton Environmental Group, LLC, Montezuma Wetlands, LLC, San Francisco Bay Regional Water Quality Control Board
Napa River Arundo Removal Lodi Lane to Zinfandel Lane	Tier 1	Napa	Project will eradicate invasive weed <i>Arundo donax</i> along a 5 mile stretch of the Napa River. Previous removal projects have been undertaken along the Napa River from its headwaters above Calistoga downstream 25 miles to Oak Knoll Rd., but stopped short of this last 5 mile section.	NA	\$0	Laurel Marcus and Associates
Napa River Fish Passage Project	Tier 1	Napa	This project consists of three phases to address the 21 highest priority fish migration barrier sites on the Napa River: conceptual barrier removal design, full engineered barrier removal design and permitting, and barrier removal.	NA	\$2,500,000	Napa County Resource Conservation District
Napa River Flood Protection Project	Tier 1	Napa	This project will restore physical and biological processes in a large portion of the upper Napa River estuary and help to improve flood protection along the Napa River.	1,100	\$0	Napa County Flood Control and Water Conservation District
Napa-Sonoma Marshes - Pond 8 fish screen and water conveyance	Tier 1	Napa	This project surveyed, designed, and installed a fish screen, and a dual flap gate and culvert to convey water from Pond 8 into the rest of salt pond system. Ongoing work is needed to maintain the fish screen.	114	\$0	California Department of Fish and Wildlife, State Coastal Conservancy
Napa-Sonoma Marshes - Ponds 6, 6A, 7, 7A, and 8	Tier 1	Napa	Through implementation of water control structures, improvement in water quality, and embankment repairs, this phase will restore five former salt ponds to managed shallow and deep-water ponds suitable for a variety of waterfowl, shorebirds and other wildlife.	1,928.50	\$1,500,000	California Department of Fish and Wildlife, State Coastal Conservancy

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Oliver Property	Tier 1	Alameda	This project opened the Hayward Area Recreation and Park District (HARD) Marsh to tidal action, created 82 acres of snowy plover habitat and improved a segment of the Bay Trail.	NA	\$200,000	Hayward Area Recreation and Park District
Oro Loma Marsh Climate Adaptation	Tier 1	Alameda	This project involved the reconstruction of seasonal wetlands and adjoining uplands into a treatment wetland and upland ecotone for cleaning treated wastewater and demonstrating adaptation strategies related to sea level rise, water quality protection, and infrastructure.	2.13	\$5,000,000	Oro Loma Sanitary District
Pescadero Creek Watershed Habitat Enhancement Projects	Tier 1	San Mateo	These projects will include reducing bank erosion and sediment delivery and implementing structures to enhance wintering refuge and summer rearing habitats for coho salmon and steelhead.	NA	\$505,000	San Mateo Resource Conservation District
Pescadero-Butano Creek Watersheds	Tier 1	San Mateo	These streamflow enhancement projects will install Large Woody Debris structures, increase access to floodplain habitat, prevent erosion, increase off-stream water storage, and improve irrigation efficiencies.	0	\$12,000,000	San Mateo Resource Conservation District
Petaluma Marsh Expansion and Restoration	Tier 1	Marin	This project is focused on monitoring of existing and restored wetlands habitat in what is the largest historic wetlands in San Francisco Bay, and enhancement of upland refuge habitat to provide high tide refuge for wildlife and allow for adaptation to sea level rise.	182	\$60,000	Marin Audubon Society
Pier 94 Terrestrial and Wetland Vegetation Management Project	Tier 1	San Francisco	The project goal is to establish expanded native vegetation in wetland, transition zone and upland flats of Pier 94, improving native biodiversity.	NA	\$245,950	Golden Gate Audubon Society
Pinole Creek Restoration	Tier 1	Contra Costa	The project will enhance flood protection, restore riparian and fisheries habitat, and improve water quality and recreational opportunities at the mouth and along the lower reaches of Pinole Creek.	NA	\$3,000,000	Contra Costa County Flood Control and Water Conservation District, Restoration Design Group, LLC
Point Blue Conservation Science's STRAW Project	Tier 1	Baywide	This project facilitates direct community involvement with practices that build resilient, healthy watersheds. Multiple riparian and wetland transition zone projects, on both public and private land, are ready for construction.	NA	\$5,525,000	Point Blue Conservation Science
Redwood Creek Restoration at Muir Beach (Big Lagoon)	Tier 1	Marin	The Redwood Creek Restoration at Muir Beach was a landscape-level restoration extending over 46 coastal acres owned by both NPS and the San Francisco Zen Center. The project area is at the mouth of an 8.9 square mile coastal watershed (home of Muir Woods National Monument) which is 80% publicly owned.	NA	\$0	U.S. National Parks Service

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Russian River Coho Streams Water Conservation and Storage	Tier 1	Sonoma	This project will implement water conservation activities to enhance streamflow for Coho salmon and other anadromous fish. Activities will include rainwater harvesting and other appropriate water storage projects.	NA	\$0	Sonoma Resource Conservation District
San Francisco Bay Living Shorelines Project: Giant Marsh	Tier 1	Alameda, Contra Costa, San Mateo	The project will restore foundational intertidal and subtidal habitats and create connectivity between submerged areas and adjacent tidal wetlands and upland ecotone in a living shorelines approach.	230	\$700,000	State Coastal Conservancy
San Francisco Bay Region Stream Habitat Improvement Program	Tier 1	Alameda	The program was developed to implement several of the area's most critical habitat restoration projects and to expand our understanding of steelhead status and conservation needs through monitoring.	NA	\$9,000,000	Alameda County Water District, Center for Ecosystem Management and Restoration, Napa County RCD, San Mateo RCD, U.S. National Parks Service
San Francisco Estuary Invasive Spartina Eradication and Restoration Project	Tier 1	Baywide	This is a coordinated effort to eradicate invasive cordgrass across 60,000 acres of tidal marshes and mudflats in SF Bay. Invasive cordgrass negatively impacts wildlife habitat and flood protection.	60,000	\$5,000,000	Invasive Spartina Project, State Coastal Conservancy
San Francisquito Creek Flood Damage Reduction and Ecosystem Restoration - Army Corps of Engineers General Investigation	Tier 1	San Mateo	This project will increase stream flow capacity in San Francisquito Creek, reduce local flood risks during storm events and in light of future sea level rise, and provide the capacity needed for upstream flood protection projects. It will also create new marsh habitat for endangered and other species and new trail connections.	48.9	\$1,500,000	San Francisquito Creek Joint Powers Authority
San Gregorio Creek Watershed Habitat Enhancement Projects	Tier 1	San Mateo	These projects will include reducing bank erosion and sediment delivery and implementing structures to enhance wintering refuge and summer rearing habitats for coho salmon and steelhead.	NA	\$445,000	San Mateo Resource Conservation District
Santa Rosa Plain Adopt a Vernal Pool Program	Tier 1	Sonoma	The program trains and deploys Citizen Scientist volunteers to collect data using a vetted, standardized protocol. Volunteers return annually to their "adopted" vernal pool to collect data, assess plant community composition and conduct photo monitoring.	0.11	\$60,000	Laguna de Santa Rosa Foundation
Santa Rosa Plain Pennyroyal Mint Control	Tier 1	Sonoma	This project aims to control invasive Pennyroyal mint in vernal pools in the Santa Rosa Plain using a combination of hand-pulling and/or spraying. Eradication or control of Pennyroyal is necessary for the success of native plant species and will help meet conservation and biodiversity goals.	0.04	\$0	Laguna de Santa Rosa Foundation

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Sausal Creek Erosion Control Restoration Project	Tier 1	Alameda	The project includes invasive plant removal and native plant restoration, erosion control, accomodating urban runoff, restoring flow to previously-formed channels, and installing energy dissipation structures to mimic step-pools and vegetated swales.	NA	\$741,500	Friends of Sausal Creek
Sausal Creek Monterey Redwoods Understory Restoration	Tier 1	Alameda	Primary project goals are removal of invasives and slope stabilization. Erosion reduction efforts extend from the creek up to the top of the Bridgeview switchbacks, about a 120-foot elevation gain.	0.3	\$10,000	Friends of Sausal Creek
Simmons Slough	Tier 1	Marin	This project is enhancing seasonal wetlands for birds and other wildlife and monitoring progress of enhancement work.	NA	\$50,000	Marin Audubon Society
Sonoma Creek Riparian Revegetation	Tier 1	Sonoma	This project aims to restore fish and wildlife habitat by removing invasive riparian weeds and revegetating with native plants on Sonoma Creek and tributaries.	40	\$1,250,000	Sonoma Ecology Center
Sonoma Creek Tidal Marsh Enhancement to Improve Habitat and Water Quality	Tier 1	Sonoma	Restoration goals are to improve tidal flow and enhance 400 acres of degraded and impounded tidal marsh habitat and simultaneously address water quality, mosquito production, habitat enhancement, management cost-savings, and public outreach while setting precedent for climate smart adaptations for tidal marsh habitat in sea level rise.	290	\$1,390,000	Audubon California, Marin-Sonoma Mosquito and Vector Control District, Richardson Bay Audubon Center, USFWS - San Pablo Bay NWR
Sonoma Creek: Protecting Stream Base Flows for Habitat	Tier 1	Sonoma	This multi-benefit water management project will protect stream base flows for aquatic and riparian habitat and dependent species, reduce flood risk, protect streamside properties, enhance groundwater recharge, and infiltrate groundwater.	NA	\$500,000	Sonoma Ecology Center
Sonoma Valley Habitat Stewards/Landowners Assistance Project	Tier 1	Sonoma	Project goals are to protect surface water quality, enhance groundwater infiltration, and restore riparian habitat by assisting landowners with creek restoration projects, stormwater runoff retention, erosion prevention stewardship, and education programs.	600	\$850,000	Sonoma Ecology Center
South Bay Salt Ponds: Alviso A8 Pond Cluster - Ponds A8, A8S, A5, A7	Tier 1	Santa Clara	This project restored tidal flows by reconnecting 1,440 acres of former salt ponds to the Bay. These actions improved habitat for wildlife, provided flood protection, and increased public access for recreation. Additional work includes the creation of 20 acres of ecotone habitat.	20	\$0	State Coastal Conservancy, U.S. Fish and Wildlife Service
Southern Laguna de Santa Rosa Stony Point-Llano Riparian Restoration	Tier 1	Sonoma	This project will establish a low-flow channel, remove sediment and the non-native invasive aquatic plant Ludwigia, and restore native riparian vegetation to improve habitat conditions and improve flood control along the Laguna de Santa Rosa.	NA	\$0	Laguna de Santa Rosa Foundation

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Stonybrook Creek Restoration and Fish Passage	Tier 1	Alameda	This project aims to restore steelhead trout to the Alameda Creek watershed by replacing migration barriers with fish passage structures along Stonybrook Creek, the lowest tributary in the watershed containing suitable rearing and spawning habitat.	NA	\$0	Alameda Creek Alliance
Suisun Creek Watershed Enhancement Program	Tier 1	Solano	Projects will include invasive plant eradication, native plant revegetation, stream channel restoration, fish migration barrier removal, water quality and temperature monitoring, and voluntary participation of local farmers in an environmental certification program called Fish Friendly Farming.	13,000	\$2,000,000	Laurel Marcus and Associates
Tennessee Hollow: Eastern Tributary	Tier 1	San Francisco	This project will convert a culverted creek tributary to an above ground "daylighted" creek and planted native vegetation along the bank. Other actions include converting a road to a multi-use trail with a pedestrian bridge.	4.59	\$6,000,000	Presidio Trust
Tennessee Hollow: MacArthur Meadow	Tier 1	San Francisco	This is a fresh water wetland enhancement that requires the removal of 4,500 cubic yards of fill to create approximately two acres of freshwater marsh and 200 feet of creek channel.	32.14	\$300,000	Presidio Trust
Tennessee Hollow: Quartermaster Reach/Crissy Field Phase 2	Tier 1	San Francisco	This project will create very rare brackish marsh habitat as well as riparian forest on the south end of its reach, and mud flats and salt marsh on the north end.	5.17	\$750,000	Presidio Trust
Tennessee Hollow: South East Dunes	Tier 1	San Francisco	This project is currently managed to support a handful of uncommon dune annuals. Ongoing plans to rehabilitate the forest stand may threaten these areas.	NA	\$0	Presidio Trust
Tennessee Hollow: Sumner Avenue Grassland	Tier 1	San Francisco	The Sumner Avenue Grassland is the only large remnant grassland that isn't on serpentine soil. This project relies on a dedicated group of volunteers to maintain the site by removing a variety of invasive herbaceous and woody weeds by hand.	2.75	\$0	Presidio Trust
Tennessee Hollow: Western Tributary Upland	Tier 1	San Francisco	This project restores a grassland/scrub/oak woodland within the western drainage of Tennessee Hollow.	2.91	\$0	Presidio Trust
Tiscornia Marsh Restoration Project	Tier 1	Marin	This project on a 20-acre site will restore tidal marsh to benefit endangered Ridgway's Rail and other species, increase flood protection, enhance transition zone habitat and protect against sea level rise.	20	\$900,000	Marin Audubon Society
Tomales Dunes Wetlands	Tier 1	Marin	This project acquired a conservation easement on 457 acres for restoration and protection of dunes and wetlands, especially through native plantings, management of invasive beachgrass, grazing, and drainage patterns, and to provide environmental education programs at the site.	457	\$0	Natural Resources Conservation Service

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Upper Napa River Restoration Project	Tier 1	Napa	Steelhead trout and Chinook salmon use this reach of the Napa River to spawn and rear. This project restores and creates riparian and aquatic habitats and enhances water quality by reducing channel erosion.	20	\$500,000	Laurel Marcus and Associates
Viansa Winery - Phase 2	Tier 1	Sonoma	This project will rejuvenate and expand a previously restored seasonal diked wetland along Sonoma Creek.	NA	\$0	Ducks Unlimited, Inc.
Western Stege Marsh Restoration	Tier 1	Contra Costa	The project restored tidal salt marsh habitat for Ridgway's rail and other wildlife through restoration of adjacent coastal prairie grassland, removal and control of invasive species and native plant vegetation. Additional enhancements and pollution and trash removal activities are being considered.	10	\$500,000	University of California, Berkeley
Wilkie Creek Stewardship Project	Tier 1	Contra Costa	This project includes planting native and removing invasive plant species, providing erosion control along 150 feet of creek, assessing a deteriorating culvert, planting a wildflower meadow, supplementing native habitat gardens, and incorporating a strong educational component with De Anza High School.	0.07	\$5,000	The Watershed Project
Alameda Creek Flood Control Channel - Rubber Dam No. 1 and Drop Structure Fishway Project	Tier 2	Alameda	This project will construct a fish passage and a plunge pool for passage of fish at the dam. Construction of the fish passage and the drop structure will open up approximately 27 stream miles of steelhead habitat.	0.5	\$16,000,000	Alameda County Water District
Alhambra Valley Creek Coalition Restoration Project	Tier 2	Contra Costa	The project will stabilize severe erosion along the creek and replace invasive plants with native species. It will also improve fish passage and in-stream habitat for native steelhead trout and reduce flood impact.	1	\$7,000	Alhambra Valley Creek Coalition
Alpine Creek Fish Passage	Tier 2	San Mateo	Remediation of a fish passage barrier at this site will open 7 miles of high-priority habitat to listed salmonid species.	NA	\$1,580,000	San Mateo Resource Conservation District
Arroyo Corte Madera (Mill Valley)	Tier 2	Marin	On-ground restoration work at the Arroyo Corte Madera del Presidio, by the Mill Valley StreamKeepers, will help improve juvenile salmonid rearing habitat and riparian vegetation.	NA	\$0	Mill Valley StreamKeepers
Asbury Creek Passage at Jack London Village	Tier 2	Sonoma	The Sonoma Ecology Center will rebuild step pools and repair/replace baffles to improve fish passage under Arnold Dr. at Jack London Village near Glen Ellen. 1.5 miles of stream will benefit from an increase in fish access to habitats.	0.5	\$600,000	Sonoma Ecology Center
Berkeley North Basin Strip - McLaughlin Eastshore State Park	Tier 2	Alameda	This project will rehabilitate Berkeley's North Basin Strip and daylight Schoolhouse Creek, stabilize eroding shoreline, remove weeds, plant natural turf and riparian vegetation, improve public access to the restored area, and construct 0.22 miles of public access Bay Trail.	43	\$4,000,000	ABAG, East Bay Regional Park District

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Bidwell Creek Floodplain Enhancement Project	Tier 2	Sonoma	This project will significantly increase ecological function and prevent downstream habitat degradation and sedimentation of Bidwell Creek via planting, fencing, and utilizing in-stream log structures.	5	\$200,000	Sonoma Land Trust
Bolinas Lagoon North End Wetland Enhancement/SLR Adaptation Project	Tier 2	Marin	The goal is to develop a project that allows for estuarine and riparian wetland habitat enhancement and expansion, and protects access to the town of Bolinas as sea level rises.	482.09	\$1,200,000	Marin County Parks and Open Space
Calabazas Creek Fish Passage at Dunbar Road	Tier 2	Sonoma	This project will modify a large apron to improve steelhead passage under Dunbar Rd. This will allow fish access to 4 miles of excellent stream habitat.	NA	\$300,000	Sonoma Ecology Center
Calistoga Napa River Restoration Project	Tier 2	Napa	This project will enhance river habitat protection and restoration, and improve storm water quality by reducing sediment. Eroded stream banks will be cleared of invasive plant species and rebuilt with native bio-engineered vegetated banks.	NA	\$0	City of Calistoga
Carriger Creek Bridge Construction & Passage at Grove Street	Tier 2	Sonoma	This project will increase access to habitats in 4 miles of excellent stream habitat by constructing a full-span bridge to improve steelhead passage under Grove St.	NA	\$1,200,000	Sonoma Ecology Center
Community-Based Restoration and Stewardship - Martin Luther King Jr. Regional Shoreline	Tier 2	Alameda	Volunteers remove non-native plants, propagate and plant natives, test water quality, and conduct creek and shoreline clean-ups in the 72-acre marsh.	30	\$200,000	Save The Bay
Concord NWS Wetlands Restoration	Tier 2	Contra Costa	This 700-acre restoration project is part of the Concord Naval Weapons Station reuse plan, which includes an approved public conveyance for a new 2,540-acre regional park.	700	\$25,000,000	East Bay Regional Park District
Corte Madera Creek - College of Marin Ecology Study Area Habitat Enhancement	Tier 2	Marin	The project goals are to increase the channel's tidal prism, tidal marsh habitat diversity and production of aquatic food sources; improve water quality; and accommodate sea level rise.	3	\$300,000	Friends of Corte Madera Creek Watershed
Coyote Hills Regional Park - Restoration and Public Access Project	Tier 2	Alameda	This project will restore marsh, seasonal wetlands, and coastal prairie, improve water circulation and quality, enhance habitat for the endangered Salt Marsh Harvest Mouse and Ridgway's Rail, and acquire lands to protect wildlife and develop public access to restored areas.	900	\$12,000,000	East Bay Regional Park District
East Antioch Creek Marsh Restoration	Tier 2	Contra Costa	This project restores, enhances, and monitors an 18-acre degraded marsh at the mouth of East Antioch Creek to functional tidal and seasonal marsh habitat. This project also improves flood conveyance.	8	\$4,300,000	Contra Costa County Flood Control and Water Conservation District

San Francisco Bay Joint Venture Active Project List, December 2017

Project Name	Project Rank	County	Description	Acre	Funding Needs 3-5 yr	Lead
Eelgrass Protection and Creation Project - McLaughlin Eastshore State Park	Tier 2	Contra Costa	The project will provide for the acquisition, protection, creation and enhancement of existing and new eelgrass beds along the East Bay Shoreline.	1,000	\$100,000	East Bay Regional Park District
Franks Tract	Tier 2	Alameda	This project will restore diked baylands to wetlands to benefit endangered species and other wildlife. Near-term actions include installation of rip-rap for the levee and repair of the access trail to the San Francisco Bay Trail to address the badly eroded northern levee.	49	\$500,000	Hayward Area Recreation and Park District
Guadalupe River Restoration	Tier 2	Santa Clara	This project will improve critical fish habitat for steelhead trout and Chinook salmon in the Guadalupe River by creating wetlands, rerouting parts of the river, and adding native vegetation to the riparian zone. Improvements will include reduction of water temperatures and mercury contamination.	40	\$0	Santa Clara Valley Water District
Hayward Regional Shoreline Habitat Restoration	Tier 2	Alameda	Project goals are to restore tidal marsh and shoreline bird habitat, enhance endangered California Least Tern and Salt Marsh Harvest Mouse habitat, improve water quality and circulation in marshlands and restore levees.	700.18	\$5,000,000	East Bay Regional Park District
Hoffman Marsh Restoration Project - McLaughlin Eastshore State Park	Tier 2	Alameda	Restore up to 40 acres of tidal wetlands and adjacent upland for T&E species by removing fill, potential contaminants and non-natives; planting natives; and improving connectivity to adjacent tidal marshes.	40	\$2,500,000	East Bay Regional Park District
Intertidal Habitat Improvement Project - McLaughlin Eastshore State Park	Tier 2	Alameda	The project will remove inorganic debris from 6,000 linear feet of shoreline, reduce erosion and sedimentation and create a "living" shoreline of intertidal habitat for fish, wildlife and plants.	4	\$1,000,000	East Bay Regional Park District
Lagunitas Creek - Tocoloma Flood Plain Access and Restoration	Tier 2	Marin	This project will improve access and facilitation of floodplain connectivity and critical winter habitat for fish.	11	\$1,500,000	Turtle Island Restoration Network - Salmon Protection and Watershed Network (SPAWN)
Lagunitas Creek Watershed - San Geronimo Valley Sediment Reduction	Tier 2	Marin	This project will reduce the amount of sediment entering into San Geronimo Creek and help improve habitat conditions for ESA-listed coho salmon.	NA	\$0	Turtle Island Restoration Network - SPAWN
LandSmart Plan BMPs	Tier 2	Sonoma	This project will implement multi-benefit BMPs that come out of LandSmart plans, which may include erosion control, bank stabilization, habitat restoration, and water quality improvement among other benefits provided through comprehensive conservation management. The project will also facilitate conservation demonstrations for landowners.	20	\$700,000	Sonoma Resource Conservation District

San Francisco Bay Joint Venture Active Project List, December 2017

Project Name	Project Rank	County	Description	Acre	Funding Needs 3-5 yr	Lead
Larsen Creek Fish Passage	Tier 2	Marin	The current structure limits passage into Larsen Creek, which has had both coho and steelhead and is a major tributary of San Geronimo Creek. The project involves removal of existing check dams and structures as well as reconfiguration of a water main beneath the culvert.	2	\$500,000	Turtle Island Restoration Network - SPAWN
Lower Walnut Creek Restoration	Tier 2	Contra Costa	Enhancement and restoration of wetlands and riparian habitat along four miles of Walnut Creek and Pacheco Creeks to provide vital wildlife habitat and sustainable flood protection, and allow opportunities for public access and recreation.	400	\$5,000,000	Contra Costa County Flood Control and Water Conservation District
Lower Wildcat Creek	Tier 2	Contra Costa	This project will restore degraded portions of Wildcat Creek channel, remove barriers to fish passage, and improve public access to restored areas.	NA	\$0	Contra Costa CFC & WCD, East Bay Regional Park District
Marsh Creek Reservoir Rehabilitation	Tier 2	Contra Costa	This project will address issues relating to sediment deposition, heavy grazing practices, and mercury loading which have led to a shrinking reservoir, a lack of vegetation and a ban on fishing for the last 35 years.	436	\$4,500,000	Contra Costa CFC & WCD
Marsh Creek widening at Griffith	Tier 2	Contra Costa	This plan will increase creek flow area and riparian vegetation by constructing a low flow channel and enhanced floodplain.	7	\$1,500,000	Contra Costa CFC & WCD, Friends of Marsh Creek Watershed, Natural Heritage Institute
Martinez Regional Shoreline - Marsh Restoration Phase III	Tier 2	Contra Costa	This project includes marsh restoration, stabilization and restoration of the rapidly eroding "shark bite" marsh, and protection of water quality. In addition, public access (0.3 miles) will be enhanced as part of shoreline restoration.	100	\$2,500,000	East Bay Regional Park District
McInnis Marsh Habitat Restoration	Tier 2	Marin	The project reconnects Gallinas and Miller Creek with restored wetlands to provide habitats for threatened and endangered species, improve flood protection capacity and sediment conveyance efficiencies, increase transitional estuarine habitats, and contribute to sea level rise adaptation.	185.01	\$2,500,000	Marin County Parks and Open Space
Miller Knox Regional Shoreline - Lagoon and Marsh Restoration	Tier 2	Contra Costa	This project will establish wetlands, creating tidal lagoon, marsh and freshwater habitats by reconnecting creeks to their headwaters and reinstating tidal exchange between the lagoon, creek and bay. Additional work will stabilize eroding shoreline, improve drainage, and provide public access.	35	\$2,300,000	East Bay Regional Park District
Montezuma Creek - Juarez St. Culvert	Tier 2	Sonoma	This project will replace and reconfigure an existing culvert to facilitate fish passage into upper Montezuma Creek.	NA	\$70,000	Turtle Island Restoration Network - SPAWN

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Project Name	Project Rank	County	Description	Acre	Funding Needs 3-5 yr	Lead
Mount Diablo Creek Watershed Coordinated Steelhead Passage Project	Tier 2	Contra Costa	This project will plan, design, and implement the necessary fish passage projects throughout the watershed to restore steelhead access to 15 miles of stream habitat.	0	\$400,000	Contra Costa Resource Conservation District
Mount Diablo State Park: Mitchell Creek Riparian Restoration	Tier 2	Contra Costa	The purpose of this project is to remove fish passage barriers along Mitchell Creek as part of a comprehensive effort to return steelhead to the Mt. Diablo Creek watershed, and to restore the riparian ecosystem along Mitchell Creek to improve critical habitat for wildlife, as well as improve water quality.	4	\$0	California State Parks
Muir Woods National Monument Coho Habitat Enhancement	Tier 2	Marin	This project will enhance 3,000 linear feet of juvenile Coho salmon habitat in Muir Woods National Monument. Removal of 80-year old riprap will allow development of natural geomorphic features important to this endangered population.	NA	\$450,000	U.S. National Parks Service
Multi-Benefit Treatment Wetland along the San Leandro Shoreline for Contaminant Removal and Sea Level Rise Adaptation	Tier 2	Alameda	This project will convert a degraded 4.3 acre shore-side storage basin to a multi-benefit treatment wetland for removal of wastewater-borne nutrients & contaminants of emerging concern, as well as demonstration of sea level rise adaptation strategies within a heavily industrialized neighborhood.	4.3	\$1,500,000	City of San Leandro
Napa River Restoration: Oakville to Oak Knoll Reach	Tier 2	Napa	The Napa River is one of the only large watersheds in the San Francisco Bay Area which remains in a rural state. Restoration of riparian, freshwater wetland and riverine aquatic habitats along 9 miles of the river will enhance salmonid habitat.	80	\$23,670,000	California Land Stewardship Institute, Laurel Marcus and Associates, Napa CFC & WCD
Napa-Sonoma Marshes - Southern Crossing Unit	Tier 2	Napa	This project will maintain and enhance habitat for resident and migratory wildlife, create seasonal ponds, replace existing water control structures, and make levee setbacks, repairs and improvements for flood protection along the Napa River, and constructing public access features.	NA	\$1,700,000	California Department of Fish and Wildlife
New Life for Eroding Shorelines	Tier 2	Marin	Project will test new nature-based methods for establishing resilient and sustainable high marsh vegetation structure, and beachface nourishment along wave-eroded marsh edges to slow erosion and trigger natural high marsh building processes.	NA		Audubon California, Marin CFC & FCD, San Francisco Bay NERR - SFSU Romberg-Tiburon Center, SFEI
North Richmond Shoreline - San Pablo Marsh Restoration	Tier 2	Contra Costa	Project goals are the preservation and enhancement of San Pablo Marsh, improvement of Ridgway's Rail habitat, removal of imported fill, stabilization of eroding shoreline, establishment of upland-Bay transitional areas, and development of public access for wildlife viewing and education.	160	\$3,500,000	ABAG, East Bay Regional Park District, Restoration Design Group, LLC

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Project Name	Project Rank	County	Description	Acre	Funding Needs 3-5 yr	Lead
Novato Baylands	Tier 2	Marin	This project's goal is the implementation of a natural flood protection approach to reduce flooding, increase sea level rise resiliency, and increase tidal wetland and other wetland habitat along lower Novato Creek. Potential future restoration may include opportunities for new Bay trail alignment.	8,907.81	\$5,000,000	ABAG, Marin County Public Works Department
Oakland Gateway Shoreline - Restoration and Public Access Project	Tier 2	Alameda	This project aims to restore eroding shoreline, remove contaminated fill, improve water quality, enhance tidal wetlands, establish Bay-upland transitional areas, acquire land to protect wildlife habitat, and develop public access to restored areas via a bicycle/pedestrian link trail.	NA	\$12,000,000	ABAG, East Bay Regional Park District
Oakport Project	Tier 2	Alameda	The project will restore 20 acres of contiguous habitat for Ridgway's Rail by removing invasive species, re-vegetating natives, enhancing seasonal wetlands and creating tidal wetlands.	8	\$250,000	City of Oakland
Off-shore Bird Habitat Project - McLaughlin Eastshore State Park	Tier 2	Alameda	The project will construct new off-shore structures and islands for shorebird roosting and nesting.	1	\$1,500,000	East Bay Regional Park District
Oyster Bay Regional Shoreline - Tidal Slough Restoration	Tier 2	Alameda	The project will restore 2,000 feet of tidal slough by removing fill and non-native vegetation, installing low fences and barriers and planting native coastal scrub species along the shoreline. Goals are to restore tidal marsh areas, prevent shoreline erosion, protect Bay water quality, and provide public access to restored areas.	10	\$500,000	East Bay Regional Park District
Pacheco Marsh Restoration	Tier 2	Contra Costa	The project will restore a 122-acre, previously filled marsh to its historic tidal wetland flow, maximizing wetland habitat and benefiting 12 special status species. This project will also create public access and interpretation opportunities.	122	\$9,000,000	Contra Costa CFC & WCD
Pescadero Marsh & Butano Fish Passage	Tier 2	San Mateo	Shallow, tidally responsive habitat and fish passage in the marsh will be restored and enhanced through channel reconstruction between the marsh and Butano Creek. This restoration will provide a solution to flooding, as well as benefiting sensitive salmonid species.	NA	\$1,850,000	San Mateo Resource Conservation District
Petaluma River - Watershed Enhancement	Tier 2	Marin, Sonoma	Watershed enhancement projects along the Petaluma River include channel maintenance, revegetation, bank stabilization, habitat enhancement, education, and outreach.	0	\$0	Sonoma Resource Conservation District
Petaluma River Wildlife Area, Burdell Unit Restoration Project	Tier 2	Marin	This project will assess the feasibility of restoring tidal wetlands in the Petaluma Marsh Wildlife Area. Restoration would connect current tidal marsh from the north and east and increase connectivity for imperiled native tidal marsh species.	500	\$400,000	California Department of Fish and Wildlife, Ducks Unlimited, Inc.

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Project Name	Project Rank	County	Description	Acre	Funding Needs 3-5 yr	Lead
Peyton Slough Wetland Complex Management	Tier 2	Contra Costa	This project aims to restore and enhance 200 acres of marsh by improving tidal flushing and water control. Ongoing biological monitoring will help assess progress.	0	\$770,000	Mountain View Sanitary District
Pillar Point Marsh and Pillar Point Bluff	Tier 2	San Mateo	Restoration at the marsh and bluff will improve riparian and coastal scrub/forest habitat for state listed bird species and special status amphibian and reptile species.	17	\$2,000,000	San Mateo County Parks and Recreation Division
Pine Gulch Creek Restoration	Tier 2	Marin	This project will remove a portion of the Pine Gulch Creek (PGC) Delta to help restore habitat and sediment transport as well as restore the tidal prism and hydrologic function within the Lagoon.	NA	\$0	NOAA - Gulf of the Farallones National Marine Sanctuary
Pinole Creek Fish Passage Improvement Project	Tier 2	Contra Costa	This project entails design and implementation of fish passage improvements to allow rainbow trout and steelhead to migrate and reach good spawning habitat.	NA	\$125,000	Contra Costa Resource Conservation District
Plant Material Growing Ground Project - McLaughlin Eastshore State Park	Tier 2	Alameda	The project will establish a 2,000 square foot growing ground to collect, propagate and supply local genotypes of native wetland and upland plants for several habitat restoration projects.	0	\$250,000	East Bay Regional Park District
Point Isabel Regional Shoreline - Wetland Restoration and Public Access	Tier 2	Contra Costa	The project purpose is to protect Hoffman Marsh, stabilize eroding shorelines, remove contaminated fill, enhance upland/transitional areas, protect Bay water quality, and provide public access to restored areas.	NA	\$2,700,000	East Bay Regional Park District
Point Molate Regional Shoreline - Restoration and Public Access Project	Tier 2	Contra Costa	This project will acquire and protect the largest eelgrass beds in SF Bay and adjacent uplands, stabilize eroding shorelines, remove Bay fill, and develop public access to restored areas. The reconstructed shoreline will be better able to adapt to sea level rise.	NA	\$4,000,000	ABAG, East Bay Regional Park District
Point Pinole Regional Shoreline - Lower Rheem Creek Restoration	Tier 2	Contra Costa	The project goals are to realign and restore about 1/2 mile of Rheem Creek, connect it with the restored Breuner Marsh, and acquire land to protect wildlife.	NA	\$7,000,000	East Bay Regional Park District
Point Pinole Regional Shoreline - San Francisco Bay Interpretive Center	Tier 2	Contra Costa	The project will develop a San Francisco Bay Interpretive Center which will provide interpretive exhibits and hands-on educational programs at the restored Breuner Marsh.	NA	\$5,000,000	East Bay Regional Park District
Radio Beach Expansion Project - McLaughlin Eastshore State Park	Tier 2	Alameda	The project will enhance and expand the beach by removing debris and non-native vegetation, importing sand to the beach and dune complex and re-vegetating native and special-status plants to reduce erosion.	4	\$1,000,000	East Bay Regional Park District
Redwood Creek Groundwater Storage & Coho Habitat Enhancement	Tier 2	Marin	This project will reduce stormwater runoff and increase groundwater storage in Redwood Creek in order to enhance coho salmon habitat during the dry season.	NA	\$250,000	U.S. National Parks Service

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Project Name	Project Rank	County	Description	Acre	Funding Needs 3-5 yr	Lead
Redwood Creek Restoration at Muir Beach, Phase 5	Tier 2	Marin	The overall restoration project restores natural function to a 46-acre area at the mouth of the watershed, including creek, floodplain, wetland, dune and lagoon habitats. Phase 5 entails modifying a major piece of infrastructure to allow the creek to perform naturally and to adapt to a wide range of conditions in the future.	NA	\$8,200,000	U.S. National Parks Service
Rheem Creek	Tier 2	Contra Costa	This project will establish a watershed council to restore approximately 2,400 feet of creek and develop an education program to conduct restoration, re-vegetation, monitoring and water conservation.	0.55	\$977,000	Natural Heritage Institute, Save The Bay
Rush Ranch	Tier 2	Solano	This project involves the restoration, management, and monitoring of wetlands and other shoreline habitat, and the installation and management of public trails.	873	\$498,000	Solano Land Trust
Salvador Creek Flood Reduction and Habitat Enhancement	Tier 2	Napa	The project will stabilize streambanks, enhance riparian plant diversity, improve geomorphic function, and reduce flooding.	NA	\$2,600,000	Napa CFC & WCD
San Anselmo Creek - Treatment of Barriers to Salmonid Passage - Corte Madera Creek Watershed	Tier 2	Marin	This project includes the design, permitting, and construction to treat four serious barriers to salmonids on San Anselmo Creek. Two barriers have been identified as the highest priority in the entire Corte Madera Creek Watershed. One of the proposed treatments would solve a chronic local flooding issue and is consistent with NOAA Fisheries policy.	NA	\$2,000,000	Friends of Corte Madera Creek Watershed
San Antonio Creek Erosion Control and Riparian Restoration	Tier 2	Marin, Sonoma	This project includes outreach to local landowners to help plan and implement restoration efforts on San Antonio Creek.	NA	\$1,300,000	Sonoma Resource Conservation District
San Geronimo Creek - Dixon Weir Passage	Tier 2	Marin	Dixon Weir is a collection of structures including a culvert, dam, sill, and scour pool that constitute an absolute barrier to fish passage in the north fork of the San Geronimo Creek. Reopening the fork involves removing barriers and reconstructing a large box culvert into a bottomless arch culvert.	NA	\$200,000	Turtle Island Restoration Network - SPAWN
San Geronimo Creek - Flanders Ranch Restoration	Tier 2	Marin	This section of San Geronimo Creek passes through extensive cattle pastures, and is a significant source of sediment through the entire watershed. The project will restore riparian vegetation and install cattle exclusions along the north fork of San Geronimo Creek.	NA	\$12,000	Turtle Island Restoration Network - SPAWN
San Geronimo Creek - Roy's Pools Passage	Tier 2	Marin	Roy's Pools is a significant barrier to fish migration. Restoration of the existing check pools and fish ladders will remove that significant barrier and allow reconnection of an extensive floodplain and critical winter habitat on the San Geronimo Valley Golf Course.	NA	\$1,700,000	Turtle Island Restoration Network - SPAWN

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Project Name	Project Rank	County	Description	Acre	Funding Needs 3-5 yr	Lead
San Geronimo Creek & Tributaries Invasive Plant Removal	Tier 2	Marin	San Geronimo Valley includes some 300 acres of heavily infested areas of invasive species that do not contribute effectively to ecosystem function. This program includes labor and materials for removal and replanting.	400	\$1,500,000	Turtle Island Restoration Network - SPAWN
San Geronimo Creek & Tributaries Private Lands Restoration	Tier 2	Marin	San Geronimo Creek is profoundly affected by activities in the roughly 1,000 private parcels abutting the main stem and tributaries. This program will facilitate projects to protect, restore, or enhance riparian habitats, floodplains, creekbanks, and winter fish habitat.	NA	\$1,500,000	Turtle Island Restoration Network - SPAWN
San Geronimo Creek & Tributaries Public and Private Road Restorations	Tier 2	Marin	San Geronimo Valley includes paved and unpaved roads that are a major source of sediments contributing to TMDL exceedances in the watershed. This project will work with County commitments to re-engineer and repair eroding roadways on public and private lands.	NA	\$2,500,000	Turtle Island Restoration Network - SPAWN
San Geronimo Creek Watershed Storm Water Controls	Tier 2	Marin	San Geronimo Valley includes some 100,000 square feet of institutional buildings that are a major component of the impervious surface in the watershed. This project will install bioswales and other stormwater control measures to reduce flashiness and sedimentation in steelhead habitat.	NA	\$200,000	Turtle Island Restoration Network - SPAWN
San Geronimo Valley Golf Course Floodplain Restoration	Tier 2	Marin	In addition to the rebuilding of the Roy's Pools passage, the reconstruction and reconnection of upstream flood plains on the golf course represents one of the most significant improvements available in the watershed.	NA	\$150,000	Turtle Island Restoration Network - SPAWN
Sausal Creek Native Plant Propagation	Tier 2	Alameda	The project produces up to 10,000 local native plants annually for restoration projects in seven different vegetation types.	0	\$10,000	Friends of Sausal Creek
Sears Point Ranch Riparian Restoration and Public Recreation Project	Tier 2	Sonoma	This project will control erosion, reestablish riparian vegetation and ecological functioning on five seasonal drainages, create an important wildlife corridor, and provide two miles of trails across Sears Point Ranch.	900	\$1,000,000	Sonoma Land Trust
Skaggs Island and Haire Ranch Restoration	Tier 2	Sonoma	This project involves the restoration of the 3,300 acre Skaggs Island (a former military base) and the adjacent 1,100 acre Haire Ranch to wetlands to benefit endangered species and other wildlife, and the creation of recreational trails and public access for wildlife viewing.	4,227.62	\$54,000,000	ABAG, Ducks Unlimited, Inc., USFWS - San Pablo Bay NWR
Sonoma Creek & Tributaries Instream Flow Assessment	Tier 2	Sonoma	This assessment of the magnitude and locations of instream flow limitations on fisheries will significantly build on an existing analysis and increase capacity and knowledge through outreach, monitoring and/or research.	NA	\$200,000	Sonoma Ecology Center

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Project Name	Project Rank	County	Description	Acre	Funding Needs 3-5 yr	Lead
Sonoma Creek & Tributaries Riparian Enhancement	Tier 2	Sonoma	This project will restore, conserve and expand riparian and instream habitats in approximately 100 miles of stream. Riparian enhancement will be conducted on high-priority private parcels and in concert with sediment remediation work at public culverts and crossings.	NA	\$500,000	Sonoma Ecology Center
Sonoma Creek & Tributaries: Nathanson Creek Preserve & Parkway	Tier 2	Sonoma	This project will restore riparian vegetation communities and associated riparian wetlands along a creek that runs through downtown. Salmon have been observed spawning just upstream of the project area for the last four years.	10	\$1,500,000	Sonoma Ecology Center
Sonoma Creek Fish Passage at Madrone Road	Tier 2	Sonoma	This project will increase access to migratory fish habitats in 15 miles of stream.	NA	\$1,500,000	Sonoma Ecology Center
Sonoma Creek Streamflow Recovery Program CEMAR	Tier 2	Sonoma	This project will conserve and enhance dry season streamflow on 100 miles of stream. Beginning with monitoring and progressing to voluntary changes in water use by landowners, it will also work to increase capacity and knowledge through outreach, monitoring and research.	NA	\$3,640,000	Sonoma Ecology Center
Sonoma Creek Water Quality and Aquatic Habitat Restoration Strategic Plan	Tier 2	Sonoma	This project produces a strategic, watershed-wide approach to support the most effective restoration actions for Sonoma Creek and its tributaries aimed at protecting and restoring water quality, and aquatic and riparian biodiversity.	106,000	\$180,000	Sonoma Ecology Center
Sonoma Creek Watershed Fisheries	Tier 2	Sonoma	This project will restore, conserve and expand riparian and instream habitats, benefiting 120 miles of stream. Watershed-wide prioritization of fishery projects will be based on several existing datasets, and design for highest-priority projects.	NA	\$800,000	Sonoma Ecology Center
South Bay Salt Ponds: Alviso Island Ponds A19, A20, A21 (Phase 2)	Tier 2	Santa Clara	The goal for these former salt ponds is to complete a large-scale tidal marsh restoration, maintain or improve flood protection, and improve public access. At this site, this will be accomplished by lowering, removing, or breaching levees, and modifying existing breaches.	499	\$1,000,000	State Coastal Conservancy
South Bay Salt Ponds: Alviso Mountain View Ponds - A1, A2W, Charleston Slough	Tier 2	Santa Clara	The goal for these former salt ponds is to complete a large-scale tidal marsh restoration, maintain or improve flood protection to adjacent residences and businesses, and improve recreation and public access. This will be accomplished by altering or breaching levees, and creating wildlife habitat features.	742.2	\$15,000,000	State Coastal Conservancy
South Bay Salt Ponds: Eden Landing - Southern Eden Landing	Tier 2	Alameda	This 2,500-acre project will restore at least four former salt ponds to tidal marsh through levee breaches, add habitat islands to increase bird-nesting success and create deep-water channels to improve habitat quality for juvenile fish. Other project activities include innovative flood protection elements, and completion of the Bay Trail.	1,375	\$35,000,000	California Department of Fish and Wildlife, State Coastal Conservancy

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Project Name	Project Rank	County	Description	Acre	Funding Needs 3-5 yr	Lead
South Bay Salt Ponds: Ravenswood Complex - Ponds R3, R4, R5, S5, S5W	Tier 2	San Mateo	The goal of this project is to restore seasonal ponds to tidal marsh and managed ponds, maintain or improve flood protection, improve habitat for western snowy plover, and create public access.	684.74	\$15,000,000	State Coastal Conservancy
South San Francisco Bay Shoreline Project	Tier 2	Santa Clara	This project includes restoration, enhancement and monitoring of 2,800 acres of wetlands, improvement of public access, and construction of a tidal flood protection levee.	0.46	\$25,000,000	Santa Clara Valley Water District, State Coastal Conservancy, U.S. Army Corps of Engineers
Tennessee Valley Wetlands Restoration	Tier 2	Marin	This project will restore 2-5 acres of wetlands by raising groundwater elevation, removing invasive species, and planting native species. The wetlands will support a variety of wildlife species and the area is widely used by the public.	NA	\$600,000	U.S. National Parks Service
Triangle Marsh - Hayward	Tier 2	Alameda	The 25-acre project will improve tidal action, implement and modify water control structures, promote native vegetation and enhance habitat for the endangered Salt Marsh Harvest Mouse.	25	\$250,000	Hayward Area Recreation and Park District
Upper Adobe Creek Fish Passage Project	Tier 2	Sonoma	Two barriers to steelhead migration will be removed, and restoration of riparian habitat along Adobe Creek will rehabilitate ecological processes and restore fisheries habitat.	1	\$150,000	Sonoma Resource Conservation District
Upper Mark West Creek Sediment Reduction Project	Tier 2	Sonoma	This project will improve private, unpaved roads and driveways, saving approximately 3,160 cubic yards of sediment from entering Mark West Creek and improving habitat for sensitive steelhead trout and Coho salmon populations. Project co-benefits include increasing groundwater infiltration potential and enhancing streamflow.	NA	\$324,450	Sonoma Resource Conservation District
Upper Sonoma Creek & Tributaries Habitat and Flow Assessment	Tier 2	Sonoma	This project will assess habitat and flow conditions in 80 miles of stream in the upper 2/3 of the watershed. This project will increase capacity and knowledge through outreach, monitoring, and/or research.	NA	\$200,000	Sonoma Ecology Center
Wildcat Creek Restoration	Tier 2	Contra Costa	By removing barriers to fish passage, this project will increase access for migrating fish, improve riparian and fish habitat, reduce sedimentation, and reduce the impacts and costs of maintenance.	0	\$6,000,000	Contra Costa CFC & WCD
Yulupa River Passage at Warm Springs Road	Tier 2	Sonoma	This project will notch a perched culvert to improve steelhead passage under Warm Springs Rd. and increase access to habitats in 10 miles of the stream.	NA	\$20,000	Sonoma Ecology Center