Projects in the East Subregion of the Bay Area Integrated Retional Water Management Planning Region

Project_ID	Project	Project_Type	County	Organization	Description	Beginning	Ending_Dat	Contact	Contact_email
3	Alameda Creek Fisheries Restoration/Upgrade/Expansion Project	Fish Passage	Alameda	Alameda County Flood Control and Water Conservation District; Alameda County Water District; Alameda Creek Alliance; State Coastal Conservancy	The possibility of restoring a run of steelhead trout to Alameda Creek has been the topic of sporadic discussion and study for over 50 years, and historical fish ladders in the watershed attest to concern for these fish even in the 19th and early 20th centuries. ?The Alameda Creek Fisheries Restoration Workgroup was formed in 1999 as a collaborative effort to pursue steelhead restoration. The Workgroup published a peer-reviewed assessment in 2000 that concluded suitable habitat exists in the watershed to support steelhead spawning and rearing. Since then, several barriers in the watershed have been removed, some fish passage facilities have been built and others are being planned, genetic testing of fish has been conducted, and screens installed on major water diversions. ?To formalize the activities of the Workgroup, and to design and conduct hydrologic studies to estimate the range, magnitude, timing, duration, frequency and location of flows necessary to restore steelhead fisheries (while minimizing the impacts to water supply operations), a Memorandum of Understanding was executed among multiple public agencies. ?The MOU envisions three phases for the hydrologic studies. Under Phase 1 (November 2006-January 2008), all the relevant existing data, reports, and studies on hydrologic and geomorphic conditions and fish habitat were reviewed to prepare a plan describing the studies necessary to achieve MOU objectives. In Phase 2 these studies are to be implemented to provide the information necessary to estimate the flows for restoration. Results from this second phase will form the foundation from which specific flow proposals that would support steelhead would be considered in Phase 3.	1/1/1998	1/1/2013	Kwablah Attiogbe	
4	Alameda Naval Air Station	Wetland Restoration	Alameda	US Fish and Wildlife Service; US Fish and Wildlife Service - San Pablo Bay National Wildlife Refuge	protection of tidal and non-tidal marsh & endangered least tern habitat	1/1/2001	1/1/1900	Joy Albertson	
5	Albany Marsh Expansion	Wetland Restoration	Alameda	Friends of Five Creeks	Develop a feasibility study and cost analysis for the expansion of Albany Marsh near Golden Gate Fields.	1/1/2001	1/1/1900	Susan Schwartz	
6	Alhambra Valley Creek Coalition Restoration Project	Fish Passage/Creek Restoration	Contra Costa	Alhambra Valley Creek Coalition; Contra Costa County Public Works; Contra Costa Resource Conservation District; Friends of Alhambra Creek; Urban Creeks Council	The Alhambra Valley Creek Coalition (AVCC) Restoration Project will stabilize severe erosion along a 1-mile reach of Alhambra Creek and at a headcut that threatens to undermine a dam in the upper watershed; enhance riparian habitat by replacing invasive plants with species native to the watershed; improve fish passage and in-stream habitat for native steelhead trout; restore two springs in the upper watershed, and reduce flooding by increasing channel capacity. Bank erosion along this reach is of particular concern because it threatens the gravesite of John Muir, located on National Park Service property. Residences on the entire reach are on septic systems; their leachfields are being exposed and are contributing to high bacterial levels in the creek. AVCC is the result of a coming-together of 45 neighbors, an elementary school, and the National Park Service, all interested in addressing their individual bank erosion concerns with a watershed approach. The innovation displayed by AVCC will be a leading example for creekside property owners across the state.		1/1/1900	Jamie Menasco	
7	Alhambra Creek Watershed Plan	Creek Restoration	Contra Costa	Alhambra Creek Watershed Council; Alhambra Valley Creek Coalition; Friends of Alhambra Creek	Stakeholder-driven consensus-based process used to develop a comprehensive Watershed Management Plan for the Alhambra Creek Watershed in Contra Costa County and the City of Martinez. Process took 5 years. In 2001, completed Plan was "Launched" at a community celebration. Plan is buils arougn 9 goals realted to: 1-Flooding, 2-Erosion, 3-Water Quality, 4-Wildland Fire, 5-Using Watershed as a Planning Unit, 6-Balancing Sustainability and Property Rights, 7-Watershed Community, 8-Habitat reswtoration and maintenatnce, 9-Quality of Life. Alhambra Creek Watershed Group has now been transformed into Alhambra Creek Watershed Action Group and is engaged in implementain of the plan, either directly or by suppporting and/or coordinatiing partner's and member's work.		1/1/1900	0	
11	Arroyo del Cerro - Diablo Foothills Regional Park	Creek Restoration	Contra Costa	East Bay Regional Park District	create stepped boulder check dams to reduce excessive velocities and create breeding pools for amphibians. Plant native riparian vegetation.	1/1/2004	12/1/2004	0	

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12	Arroyo Viejo Creek Restoration at Arroyo Viejo Park	Creek Restoration	Alameda	Alameda County Flood Control and Water Conservation District; Oakland, City of	Sponsored by the City of Oakland, the California Coastal Conservancy, and the Alameda County Flood Control and Water Conservation District, the project removed failing cement structures, stabilized banks, and restored native vegetation along a 750 linear-foot stretch of creek. These changes will help to restore ecological balance and riparian habitat, improve water quality, while enhancing public access and safety, and recreational and educational opportunities for an underserved population of East Oakland.760 tons of concrete was removed from the creek banks and bed and crushed for reuse by Aman Environmental, a debris-recycling company. The decaying concrete walls were replaced using a variety of bio-engineering techniques. For example, trunks from non-native trees removed from the site were used to secure the creek banks in several areas. Brush layering and willow staking were also used. For more information go to http://www.oaklandpw.com/creeks/aviejo_complete.htm	7/1/2001	1/31/2002	Will Stockard	
16	Baxter Creek Booker T. Anderson Park Project	Creek Restoration	Contra Costa	Friends of Baxter Creek; The Watershed Project; Urban Creeks Council	Riparian restoration, development of a watershed management plan, community involvement	1/1/2000	12/1/2002	0	
17	Bay Point Regional Shoreline Restoration Project	Wetland Restoration	Contra Costa	East Bay Regional Park District	Tidal marsh restoration and upland enhancement. Restoration will create 17 acres of tidal wetlands, 8 acres of seasonal wetland and 20 acres of uplands.	10/5/1993	7/15/2015	Pete Alexander	
21	Big Break Regional Shoreline Acquisitions	Wetland Restoration	Contra Costa	East Bay Regional Park District	Acquistion of Delta wetlands	9/19/1995	2/22/2000	Bob Doyle	
24	Bosley/Weaver Acquisition - Brushy Peak Regional Preserve	Wetland Restoration	Alameda	East Bay Regional Park District	Acquire the final 320 acre phase of the 1,120 acre Bosley/Weaver Ranch at Brushy Peak Regional Preserve, expanding the wildlife corridor, provide public access, and protec rolling grassland hills and seasonal wetlands.	12/15/1998	1/9/2001	0	
25	Breuner Marsh Property Restoration and Public Access Project	Wetland Restoration	Contra Costa	East Bay Regional Park District; State Coastal Conservancy	The 218-acre Breuner Property is located in the City of Richmond, just south of Point Pinole Regional Shoreline in western Contra Costa County, California. Approximately 113 acres of the property is upland, seasonal wetland and tidal marsh, and 105 acres are open water, mudflats and shallow submerged San Francisco Baylands. The Plan calls for restoration and enhancement of up to 30 acres of tidal wetlands, up to 45 acres of seasonal wetland, 2 acres of riparian habitat along Rheem Creek and up to 25 acres of coastal prairie and upland buffer in the 113-acre portion of the property. The total project will restore about 100 acres of wetland and grassland habitat for a number of plants and animals, including the endangered California clapper rail. No plans have yet been developed for the remaining 105-acres of the property, however, this area would be considered for enhancement of eel grass beds, mud flat, tidal wetlands and off-shore bird roosting areas. Goals for public access include a public staging area, completing a key segment of the San Francisco Bay Trail, and providing improved access to San Francisco Bay. A land use plan for the Breuner property will provide for restoration and public access development. Buffers will be provided between public access areas and sensitive wildlife habitats. This would include boardwalks, fencing, landscape barriers, interpretive signage, and protection of wildlife habitats and public safety.	1/1/2004	7/15/2015	Shelly Lewis, Brad Olson	
33	Cerrito Creek - Pacific East Mall	Creek Restoration	Alameda	Friends of Five Creeks; Urban Creeks Council	revegetate banks along appx. 900 feet of north bank of Cerrito Creek adjacent to Pacific East Mall, east of Pierce St.	7/1/2001	7/1/2003	Susan Schwartz	
34	Cerrito Creek Projects - El Cerrito Plaza	Creek Restoration	Contra Costa	El Cerrito, City of; Friends of Five Creeks	regrade channel, plant natives along appx. 800 feet of Cerrito Creek adjacent to El Cerrito Plaza; build trail; install litter cans, seating, signage.	7/1/2003	7/1/2006	Susan Schwartz	
36	Chupcan Preserve Wetlands Restoration	Wetland Restoration		#N/A	#N/A		1/1/1900		

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37	Claremont Creek revegetation and nature plant gardens	Creek Restoration	Alameda	Berkeley Unified School District; Friends of Temescal Creek; Kids For the Bay	revegetation; nature plant gardens John Muir School		1/1/2004	Bruce Douglas	
38	Clinton Basin Wetlands Enhancement	Wetland Restoration	Alameda	Golden Gate Audubon Society; Port of Oakland; State Coastal Conservancy	Restoration of tidal wetland and mudflat habitat along the only part of the Oakland estuary not rip-rapped to the edge of the water. A mudflat exists at the site that is used by shorebirds. Plan is to create an island for roosting birds, and to restore marsh vegetation landward.	1/1/2005	12/1/2005	0	
39	Codornices Creek - upper (Live Oak Park)	Creek Restoration	Alameda	Friends of Five Creeks; Restoration Design Group	Past limited restoration of native vegetation in Codornices Park, Live Oak Park revegetation ongoing by Friends of Five Creeks; restoration and step pools complete east of Oxford; possible additional restoration and daylighting between Oxford and Spruce (Beth El property).	1/1/2001	1/1/1900	Susan Schwartz	
40	Concord NWS Wetlands Restoration	Wetland Restoration	Contra Costa	Contra Costa Mosquito and Vector Control District; East Bay Regional Park District	The City of Concord selected a preferred Reuse Plan project in January of 2009. It calls for retaining approximately 2,500 acres of the Inland portion of the Concord Naval Weapons Station as a regional park, and restoration of Mt. Diablo Creek. Various levels of housing, commercial, and community facility development would occur on the west side f the creek. An EIR is to be released by Aug. 29th 2009.	1/1/2000	1/1/1900	Brian Holt	
50	Delta Science Center Wetland Restoration	Education	Contra Costa	Delta Science Center; East Bay Regional Park District; Mt. Diablo Audubon Society	Creation of a major science center spotlighting wetland, bay/delta, shallow waters of the bay, etc. The parking lot, restroom building and fishing/observation pier are currently (Oct 2007) open at the site. The District has secured $8.5 million for the current project to construct an outdoor education classroom and outdoor educational exhibits. The classroom which will be operated by District and Science Center non-profit will be located away from the waters edge, close to the parking lot. The exhibits such as watershed model, forming the Delta interactive, animals of the Delta sculptures and interpretive signage will be connected by a series of pathways near the shoreline. The next phase of the project will construct a kayak storage / restroom facility and turf	1/1/1995	1/1/1900	Jeff Rasmussen	
54	Dutch Slough	Wetland Restoration	Contra Costa	California Department of Water Resources; State Coastal Conservancy	Land was purchased by DWR with funds from State Coastal Conservancy (SCC) and CALFED Ecosystem Restoration Program (ERP; now part of DFG). The preliminary ConceptualPlan and EIR were prepared in 2006 with funding from SCC. The Natural Heritage Institute has been instrumental in developing and promoting the project since its inception. DWR and SCC are funding preparation of final conceptual designs and preparation of 80% engineering drawings. Several local agencies are coordinating their efforts with planning for the Dutch Slough project, including City of Oakley, Contra Costa Water District, Contra Costa Flood Control and Water Conservation District, Ironhouse Sanitary District, and Reclamation Districts 2137 and 799. DWR approved and certified the final EIR for the project in March 2010.	1/1/2002	1/1/1900	Sarah Beamish Puckett, Jeff Melby	

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57	Eden Landing Ecological Reserve	Wetland Restoration	Alameda	California Department of Fish and Game; US Fish and Wildlife Service	In 1996, DFG, working with the Wildlife Conservation Board (WCB), East Bay Regional Park District, California Wildlife Foundation, the cities of San Jose, Milpitas and Fremont, and Caltrans, acquired the Baumberg Tract from Cargill Salt Company at the Eden Landing Ecological Reserve (ELER) and began efforts to restore more than 830 acres of former salt ponds to vital habitat. In 2003, DFG acquired an additional 5,500 acres of former salt ponds for ELER as part of the 15,100-acre South Bay Salt Pond acquisition that was accomplished with $72 million from WCB, $8 million from the U.S. Fish and Wildlife Service and $20 million from four private foundations. CDFG successfully breached the first levee at Eden Landing in April 2004 to create an extension of Mt. Eden Creek. The second breach restored North Creek, a side channel off Alameda Creek, with more breaches planned for the future.	4/1/2004	10/30/2008	John Krause	
63	Glen Echo Creek Restoration at Glen Echo Park	Creek Restoration	Alameda	Oakland, City of	The project, located one block east of Piedmont Avenue between Monte Vista and Montell, was conducted by the Alameda County Public Works Agency (ACPWA) in collaboration with the City of Oakland. Technical assistance was provided by Philip Williams & Associates. The project scope included comprehensive bank restoration in addition to strategic native revegetation along the creek. The bank restoration approach reconstructs eroded banks using biotechnical engineering applications/vegetated soil lifts to stabilize soils, improve local fluvial geomorphic processes and maximize plantable areas.Glen Echo Park , one block east of Piedmont Avenue, is home to a native plant garden providing year-round flower displays and paths for strolling in sun and shade. The garden is located on the north side of Monte Vista Avenue and maintained by community volunteers with support from the City of Oakland's creek program. The creek flows south under Monte Vista into a more naturalistic section of Glen Echo Park. Here, native oak, redwood and buckeye trees provide a shady corridor while competing with a variety of exotic plants. A construction project to repair bank erosion has been completed by the Alameda County Flood Control District; PANIL volunteers are working with the city and county to make sure the natural feeling of this section will be retained. Protects oak woodland and riparian creek bank; enhances habitat for migratory birds by the planting of native plants.	10/1/2003	1/1/2005	Leslie Estes, Kristin Hathaway, Valerie Winemiller	
66	Grayson Creek	Creek Restoration	Contra Costa	Contra Costa County Flood Control and Water Conservation District; Friends of Creeks in Urban Settings	Enhancement of existing Flood Control channels; removal of an existing section of concrete lined channel and restoration of the natural creek; building of a by-pass pipe and detention basin.	1/1/1985	1/1/1900	Paul Detjens, Bev Ortiz	
68	Grizzly Creek - Lafayette	Creek Restoration	Contra Costa	Lafayette , City of; Lafayette Creeks Committee	bioengineering bank stabilization; see Las Trampas Creek & tributaries (for mapping of Grizzly Creek)	1/2/1999	3/4/2010	Carl Piercy	
75	Julia Cox Freeman Wetland Preserve	Wetland Restoration	Contra Costa	Contra Costa County Flood Control and Water Conservation District; Mt. Diablo State Park	tidal marsh restoration on property owned by Water Conservation District; flood control district just starting restoration planning - Audubon would like to restore entire 22 acres, not just 7.5 currently under consideration	1/1/2011	1/1/1900	Paul Detjens	
77	Kirker Creek Watershed Plan and Partners for the Watershed	Creek Restoration	Contra Costa	Contra Costa Resource Conservation District; Partners for the Watershed; Pittsburg, City of	From 2001 to 2002 the Contra Costa Resource Conservation District (CCRCD) supported the efforts of landowners, municipalities, community organizations, industry, and citizens of the Kirker Creek Watershed to develop and write a watershed management plan using the Coordinated Resource Management & Planning (CRMP) process. After the plan?s completion, planning group participants formed Partners for the Watershed, which has successfully implemented numerous restoration, monitoring, and educational projects through collaboration among schools, local government, and industry. The CCRCD provided staff support from 5/2001 through 5/2007.	5/1/2001	1/1/1900	Laura Wright	

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81	Laguna Creek Restoration	Creek Restoration	Alameda	Fremont , City of; Math/Science Nucleus	Development of a watershed management plan; community creek clean-up; sediment and hydrology study; restore Stivers Lagoon; incorporate multiple beneficial uses in all flodd control projects; change public perception from trashy flood control channel to valuable resource creek; develop a monitoring plan.		1/1/1900	Barbara Silva	
84	Lake Merritt Restoration and Lake Merritt Channel Improvements	Wetland Restoration	Alameda	Lake Merritt Institute; Oakland, City of	The City of Oakland is pursuing a range of capital improvements at Lake Merritt and the Lake Merritt Channel that will have significant water quality, habitat, and recreational values. These proposed improvements include the removal of culverts and fill materials at 12th and 10th Street, the creation of a by-pass structure at 7th Street, and the implementation of water quality technologies at the Lake. Project also includes restoration of the tidal channel between Lake Merritt and the bay.	1/1/2004	1/1/1900	Leslie Estes, Joel Peter	
85	Las Trampas Creek & tributaries - Lafayette	Creek Restoration	Contra Costa	Lafayette , City of; Lafayette Creeks Committee	A. Map all named creeks in City of Lafayette and adjacent county area B. Create ?Creek Homeowners Guide? C. Create and install signage along roads and pathways to identify named creeks.	1/1/1999	1/1/1900	Jeff Gilman	
86	Leona Creek	Creek Restoration	Alameda	Friends of Lion Creek	0		1/1/1900	Robin Freeman	
91	Lower Marsh Creek - Oakley	Creek Restoration	Contra Costa	Contra Costa County Flood Control and Water Conservation District; Friends of Marsh Creek Watershed; Natural Heritage Institute	Construct setback levees, breach existing levees, leaving vegetated islands for bird habitat.	1/1/2005	10/15/2007	Sarah Beamish Puckett	
92	Lower Pine Creek - Diablo Gateway	Creek Restoration	Contra Costa	Contra Costa County Flood Control and Water Conservation District; Friends of the Creeks; Save Mt. Diablo	purchase 36 acres adjacent to creek and adjoining open space and Mt. Diablo	1/1/2004	1/1/2006	0	
94	Lower Walnut Creek Restoration	Wetland Restoration	Contra Costa	Contra Costa County Flood Control and Water Conservation District	Masterplan enhancement followed by restoration, levee setback, sediment removal to clear portion of channel, acquisition of adjacent wetland for salt marsh harvest mouse and trails adjacent to creek. Studies with the US Army Corps of Engineers are ongoing. Work has been completed on a $260k CalFed grant - study grant. he Lower Walnut Creek Project incorporates a new way of approaching the traditional methods of operating and maintaining a flood control facility. The existing channel is a classic Army Corps of Engineers trapezoidal earth channel that requires ongoing de-silting maintenance. The alternative approach will be to move the channel levees back in the lower reaches to provide additional capacity for floodwaters and to create floodplains. This approach will provide the necessary capacity to handle floodwaters while reducing de-silting costs and creating additional wetlands, riparian habitat and revegetation potential. Other project components include improving fish passage and habitat and increasing recreational opportunities.	2/1/2003	2/1/2010	Paul Detjens	

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95	Lower Wildcat Creek	Fish Passage/Creek Restoration	Contra Costa	Waterways Restoration Institute	Project 1: restored functioning stream channel (COMPLETED December 2000); Project 2: restore fish passage around a sediment basin and inoperative fish ladder (planning complete April 2000)		1/1/1900	Ann Riley	
98	Wetland Reserve Program - Delta Property	Wetland Restoration	Contra Costa	Natural Resources Conservation Service	Restoration and management of seasonal diked wetlands for waterfowl and other wildlife through the Wetland Reserve Program.	1/1/1998	1/1/1900	0	
99	Marsh Creek - Griffith Park	Creek Restoration	Contra Costa	Contra Costa County Flood Control and Water Conservation District; Friends of Marsh Creek Watershed; Natural Heritage Institute	Plan would be to widen the west side of Marsh Creek to provide additional flowage area with increased riparian vegetation. This could be achieved by constructing a low flow channel and enhanced floodplain in a widened right of way corridor. For success, this project requires the participation of the Griffith family, owners of the creekside parcel. greenway plain and flood plain management, wetlands contraction and riparian restoration	1/1/2001	1/1/1900	Sarah Beamish Puckett, Diane Burgis, Paul Detjens	
100	Marsh Creek Restoration Master Plan	Creek Restoration	Contra Costa	Contra Costa County Flood Control and Water Conservation District; Friends of Marsh Creek Watershed; Natural Heritage Institute	Develop strategic plan for habitat restoration and management program for Marsh Creek; Develop master plan		1/1/1900	Sarah Beamish Puckett, Diane Burgis	
102	Martinez Regional Shoreline Marsh Restoration	Wetland Restoration	Contra Costa	East Bay Regional Park District	The project is planned for construction in three phases. Phase I retrofitted an existing arch bridge so that Alhambra Creek can widened, with flood terraces constructed along both sides of the creek. Phase II constructed an elevated boardwalk and bridge over a new side channel where an eight acre tidal basin will be constructed. Phase III calls for creation of additional tidal basin(s) and removal of some shoreline levees to enhance tidal circulation.	1/1/1999	1/1/1900	Brad Olson	
104	Peyton Slough Wetland Complex with McNabney (Shell) Marsh Management	Wetland Restoration	Contra Costa	Mt. View Sanitary District	Restoration and enhancement of 200 acres of marsh by improving tidal flushing, water control, and biological monitoring. Multiple phases needed for full restoration of full tidal action.The McNabney marsh is part of the larger Peyton Slough Marsh complex. Mc Nabney Marsh has been separated from the whole of the marsh complex since the early 1900's. This has restricted its ability to flood and drain with the tides and produced less than optimal conditions as a marsh habitat. The southern portion (the part along the entry road to the treatment plant) of the marsh will not drain completely. In the northwest portion of the marsh, the water exchages rapidly, and salinity remains low. This creates shallow, constantly flooded conditions that cattails thrive in. This condition enhances cattail growth at the expense of other desireable vegetaion. Curtailing cattail growth is a main concern and problem for marsh management. Management strategies for McNabney Marsh affect Peyton Slough and the smaller downstream marshes Martinez Marsh, Rhodia Marsh, Shore Terminals Marsh and Peyton Hill Marsh.	1/1/1992	1/1/1900	Kelly Davidson-Chou	

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105	Mission Creek	Creek Restoration	Alameda	Math/Science Nucleus; Mission Peak Company	The restoration of Mission Creek attempts to create a stable channel bed and bank system while creating a meandering pattern that prevents erosion. In order to accomplish restoration there are many different ways to engineer improvements. Erosion on Mission Creek had been so intense that the Union Sanitary Sewage District?s pipeline was dangerously close to the stream. In order to prevent breakage the sewage line was moved and enlarged. The channel was terraced to allow water to meander more effectively and not to scour certain areas. This involved major earth movements and the use of bioengineering to reduce the velocity of the water in this area. Coir logs or cylindrical structures of coconut husk fibers were used as a protection of creek bends and slopes. Live red willow stakes, which are native to this area, were inserted in the coir logs. They grow by rooting directly from the stake and the roots will bind the banks to decrease erosion. Straw wattles or tubes of rice straw are used along steeper bank slopes for erosion and stormwater runoff control. The placement of rootwads (root structures of previous trees that were cut) helps stabilize stream banks from erosion. Rip-rap or large boulders are also placed in key areas to help direct water flow. In areas where eucalyptus trees were removed; a flood plain terrace was created. Revegetation of the area will create bank stabilization as well as allowing habitat enhancement to increase wildlife in the area.	1/1/2003	1/1/2004	0	
107	Mount Diablo State Park: Mitchell Creek Riparian Restoration	Fish Passage/Creek Restoration	Contra Costa	California Native Plant Society; Save Mt. Diablo; State Coastal Conservancy	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. Mitchell Creek and Mt. Diablo Creek, together with Donner Creek, comprise the most pristine watershed remaining in the Concord/Walnut Creek region. They are the focus of a recently formed community watershed group, and potentially home to steelhead trout. The headwaters of Mitchell Creek originate on the north side of MDSP, and contains some creek stretches with healthy riparian habitat, and a number of degraded sections. The creek is severely incised in areas where fill from old road beds and a large earthen dam is perched on the creek banks. These steep fill slopes continually erode and deliver sediment directly into the creek, degrading trout habitat and water quality. This project seeks to restore the natural hydrologic function to Mitchell Creek, thus helping to improve the health of the entire Mt. Diablo Creek watershed.	1/1/2007	1/1/1900	Cyndy Shafer	
114	Mt. Diablo and Galindo Creeks	Creek Restoration	Contra Costa	Friends of the San Francisco Estuary	watershed education and enhancement of native bunchgrass site in Mitchell Canyon; environmental education. Water quality testing		1/1/2004	Steve Cochrane	
115	Mt. Diablo Gateway & Arroyo del Cerro (Pine Creek)	Creek Restoration	Contra Costa	Save Mt. Diablo	Completed effort to preserve open space adjacent to Mt. Diablo State Park through a conservation easement. Protection of riparian wetlands at the junctures of Pine, Arroyo del Cerro, and Walker Creeks.	1/1/2001	1/1/2003	0	
130	Oliver Property	Wetland Restoration	Alameda	Hayward Area Recreation and Park District; State Coastal Conservancy	enhancement of former salt ponds on the Hayward Shoreline		1/1/1900	Karl Zabel	
131	Oro Loma Marsh Restoration - Hayward Regional Shoreline	Wetland Restoration	Alameda	East Bay Regional Park District	Oro Loma Marsh was constructed in 1997 and consists of a 364-acre tidal marsh with seasonal wetlands and transitional uplands. The Oro Loma Marsh near the northern end of the shoreline, is a tidal salt-water marsh at its western end, and a seasonal freshwater marsh fed by rainwater at the slightly higher elevations at its eastern end.	12/1/1996	10/10/1997	0	
132	Oyster Bay Regional Shoreline Marsh Restoration	Wetland Restoration	Alameda	East Bay Regional Park District	tidal marsh restoration	1/1/2000	1/1/1900	Mike Anderson	

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133	Pacheco Marsh	Wetland Restoration	Contra Costa	Muir Heritage Land Trust	The Muir Heritage Land Trust, Contra Costa County Flood Control District and the East Bay Regional Park District have acquired (2002) the 122 acre Pacheco Marsh to restore the property to its historic tidal wetland flow. The goal is to maximize wetland and wildlife habitat for a variety of plant and animal species, including the 12 special status species that would benefit from this restoration.	1/1/2001	1/1/1900	0	
136	Patterson Ranch - Coyote Hills Regional Park	Wetland and Creek Restoration	Alameda	East Bay Regional Park District	Acquistion of a portion of former Patterson Ranch to be added to Coyote Hills Regional Park.	1/1/2000	1/1/1900	Neal Fujita	
137	Peralta Creek Projects	Creek Restoration	Alameda	Butters Land Trust	Acquire and restore 7 acres in Butters Canyon at the headwaters of Peralta Creek. Seeking funding for acquisition, design and restoration of headwaters of Peralta Creek.	1/1/2002	1/1/1900	Kristin Hathaway	
152	Pinole Creek Restoration and Greenway Park	Creek Restoration/Flood Protection	Contra Costa	Contra Costa Resource Conservation District; Pinole, City of; Restoration Design Group	The proposed restoration design was developed with the following goals in mind: 1. Enhance level of flood protection which is currently inadequate for the 50 year flood. Some flooding did occur in the December 31st, 2005 storm. 2. Restore riparian and fisheries habitat. The existing flood control channel is devoid of woody vegetation and provides almost no food forage, shade cover, or other benefits of a riparian corridor. Of particular interest is the endangered steelhead trout which have been documented in Pinole Creek a number to times over the past few years. Also, the upper reaches have been identified as as adequate habitat for this species. 3. Improve water quality. Stormwater runoff from the urban and rural lands of the Pinole Creek watershed flushes associated pollutants into Pinole Creek. Studies have shown that well-vegetated creeks are effective at filtering water pollution. 4. Improve recreational opportunities. An existing creekside trail is well-used, but can be improved by providing safer road crossings, park amenities, and interpretive elements. This trail provides an important pedestrian and bicycle route through the City of Pinole's historic district.	1/1/2001	1/1/1900	Paul Detjens, Drew Goetting, Rich Walkling	
155	Point Edith Wetlands Project	Wetland Restoration	Contra Costa	Contra Costa Mosquito and Vector Control District	restoration of tidal action on lands held by Tosco, PG&E, etc.		1/1/1900	Carlos Sanabria	
156	Point Pinole Regional Shoreline Wetlands Enhancement	Wetland Restoration	Contra Costa	East Bay Regional Park District	Community stewardship project. Removing Creosote piles and inorganic debris. Removing non-natives that are affecting habitat for black rails.	1/1/2000	1/1/1900	Dave Riensche	
166	Rheem Creek	Wetland Restoration	Contra Costa	East Bay Regional Park District; Natural Heritage Institute; Urban Creeks Council	Restore approximately 2400 feet of Rheem Creek on Breuner Marsh, 700 feet at Bayview Elementary School, and 1200 feet at Contra Costa College and Rollingwood neighborhood. As submitted to IRWMP one proposal for restoration on Rheem Creek includes 1. Establish a Rheem Creek Watershed Council. 2. Restore 700 linear feet of Rheem Creek at Bayview Elementary School. 3. Restore 1,200 linear feet of Rheem Creek at Contra Costa Community College and the Rollingwood neighborhood. 4. Develop an education program integrating restoration, revegetation, monitoring and water conservation activities with the West Contra Costa Unified School District (WCCUSD), Contra Costa College (CCC) science department, and local residents.	1/1/2007	1/1/1900	Brad Olson	
171	Rodeo Creek	Creek Restoration	Contra Costa	Contra Costa County Flood Control and Water Conservation District	enhance existing flood control channel by planting vegetation and creating riparian habitat	1/1/2008	1/1/1900	Paul Detjens	
180	San Gregorio Creek Riparian Restoration	Habitat Restoration		#N/A	#N/A				

Project_ID	Project	Project_Type	County	Organization	Description	Beginning	Ending_Dat	Contact	Contact_email
182	San Leandro Creek - Property acquisition	Creek Restoration	Alameda	Friends of San Leandro Creek	Acquistion of property and renovation of existing 1,300 sf building adjacent to San Leandro Creek to serve as an Environmental Education and Natural History Museum. See http://www.fslc.org/edcenter.html for additional information.		1/1/1900	Rick Richards	
183	San Leandro Creek - Restoration	Creek Restoration	Alameda	Friends of San Leandro Creek	Various small-scale restoration/revegetation projects, water quality monitoring, environmental education programs, creek clean ups. See the Friends website (www.fslc.org) for additional information. Watershed education program will begin within the next year.	1/1/1996	1/1/1900	Rick Richards	
184	San Lorenzo Creek	Creek Restoration	Alameda	Alameda County Public Works; San Francisco Estuary Institute; The Watershed Project	environmental education program at mouth of creek; proposed wetland/dune enhancement	6/1/2009	11/1/2009	0	
190	San Pablo Creek	Creek Restoration	Contra Costa	The Watershed Project	The project began with the goal of watershed education and creation of a native plant demonstration area. This entailed the removal of invasives, plant propagation, and outplanting of riparian species. Subsequently, the project was expanded to a restoration from the high bank down to the creek.	4/1/2000	5/31/2009	Femke Oldham	
197	Sausal Creek - Bridgeview Erosion Control Project	Creek Restoration	Alameda	Friends of Sausal Creek; The Watershed Project	300 ft. of willow check dams built across two 60-ft gullies in a perched freshwater meadow		1/1/2004	Kimra McAfee	
198	Sausal Creek - Dimond Canyon	Creek Restoration	Alameda	Oakland, City of	This restoration project included removal of concrete structures, and restoration of habitat and hydrological function to a 597 foot reach of Sausal Creek in Dimond Park. Plans included removal of a concrete check dam and spillway and two metal and concrete debris racks. The removal of these structures provided the opportunity to realign and regrade the existing channel in order to reestablish a more natural profile. Native rainbow trout have recently been identified living in several pools in the creek near Dimond Park. Native plants were planted to provide habitat for the fish and other wildlife. In addition, the creek channel realignment allowed for the rebuilding of a 1,500 foot stretch of creekside pedestrian trail, which in turn connects with Joaquin Miller, Redwood, and Roberts Parks.	1/1/1998	6/1/2001	0	
201	Dimond Park and Canyon Restoration	Creek Restoration	Alameda	Friends of Sausal Creek; The Watershed Project	FOSC's most extensive work focuses on the riparian and upland areas in Dimond Park and Dimond Canyon. A major channel restoration project in 2001 removed check dams from the creek and restored a more natural channel. Large non-native trees and other invasives were removed, and FOSC planted 20,000 native plants that winter. Subsequent efforts have maintained these areas and expanded the original footprint of the project. The site encompasses oak woodland, mixed hardwood forest, riparian and coastal scrub plant communities. Our restoration manager leads groups of neighbors, volunteers from the community, and student field trip groups in invasive plant removal and habitat restoration, with approximately 2,000-3,000 native plants added annually. Additional efforts focus on controlling erosion from city storm drains that surround the canyon. Community members also adopt specific sites within the area, visiting regularly to clear invasives, maintain trails, or plant natives. Invertebrate and bird monitoring takes place on a quarterly basis.	1/1/2000	1/1/1900	Kimra McAfee	

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202	Sausal Creek Native Plant Propagation	Creek Restoration	Alameda	Alameda County Flood Control and Water Conservation District; Friends of Sausal Creek; Oakland, City of	The Native Plant Propagation project produces local natives for restoration projects in six vegetation types occurring in the Sausal Creek watershed: Redwood, Oak Woodland, Riparian, Perennial Grassland, Coastal Scrub, and Chaparral. From its inception in 2000, this project has grown considerably and is now housed at our Native Plant Nursery in Joaquin Miller Park. Our part-time nursery manager works with volunteers collecting seeds and cuttings, sowing, potting up, transplanting, weeding, and finally outplanting. Current goals of this project are to (1) continue to provide local nursery stock derived from native populations in our watershed for restoration projects and our annual plant sale, (2) educate school groups, watershed residents, and other watershed protection groups about growing and planting species native to their watersheds, (3) provide a demonstration garden at the nursery?s entrance where people can see local natives appropriate for gardens, and (4) complete capital improvements necessary so that volunteers can work in a safe and comfortable nursery setting, so that daily maintenance needs are reduced, and finally so that the Friends of Sausal Creek can host work days.	1/1/2000	1/1/1900	Megan Hess	
203	Sausal Creek Watershed Management Plan	Creek Restoration	Alameda	Friends of Sausal Creek	The Watershed Assessment Project will help prioritize restoration and conservation efforts in the Sausal Creek watershed. It will provide a science-based blueprint (watershed management plan) to guide sustainable long-term restoration of the watershed?s hydrological and biological functions. Objectives or tasks helping to achieve this goal include: (1) analyzing the scientific validity of current monitoring efforts and establish protocols for future scientifically-valid monitoring efforts; (2) creating a GIS of watershed with multiple layers to use as reference material in future plans for project implementation; (3) involving local community members as well as interested persons from other groups concerned with water quality in hands-on technology transfer (learning field methods for watershed assessment); (4) preparing a hydrologic analysis to describe and quantify current conditions in the watershed including runoff volumes for a series of sub-basins; (5) developing Hydrologic/Hydraulic Model to discover areas of priority concern; (6) preparing concept designs of the highest priority erosion and stormwater sites based on the results of the model; and (7) involving local community members.	12/1/2006	4/1/2009	0	
205	Schoolhouse Creek mouth - Eastshore State Park	Creek Restoration	Alameda	East Bay Regional Park District; Friends of Five Creeks; Save The Bay	The proposed project will remove approximately 450 feet of ~60 inch concrete culvert to create new creek channel at the mouth of Schoolhouse Creek in Berkeley, California. The creek outfalls into San Francisco Bay in the southeast corner of the Berkeley North Basin. New channel banks will be graded and contoured to allow for establishment of up to two acres of shallow sub-tidal habitat, mudflat, tidal marsh and riparian habitat within a new tidal basin. The basin banks will be planted with native upland and wetland species to provide new wildlife habitat. Landscape barriers and/or low fencing will be installed to keep people out of the restored area. New shoreline trails will be constructed to allow improved visual access.This project will remove about 30,000 cubic yards of imported Bay fill to create up to two acres of new Bay surface. Sub-tidal habitat areas will provide new habitat for sea birds, such as surf scoter and scaups which are known to raft in this area seasonally. Tidal mudflat areas will provide new foraging habitat for shorebirds. Saline wetland areas can provide new habitat for the endangered California clapper rail and saltmarsh harvest mouse. New brackish marsh will provide new habitat for saltmarsh yellow throat, Alameda song sparrow and the threatened California black rail. Upland transitional habitats created along the banks of schoolhouse creek will provide high-tide refugia for special-status species, including clapper rail, black rail and saltmarsh harvest mouse. Lack of transitional cover plays a major role in predation losses by red fox, raccoons, rats, gulls, herons and egrets.	6/1/2002	1/1/1900	Brad Olson, Susan Schwartz	
233	Southern Alameda Creek Watershed Plan	Creek Restoration	Alameda	Alameda County Resource Conservation District	Watershed protection and erosion control through education, outreach, and financial and technical assistance to ranchers and other private landowners.	1/1/1996	1/1/2015	Pete Van Hoorn	
237	Strawberry Creek	Wetland Restoration	Alameda	East Bay Regional Park District; EcoCity Builders; Friends of Strawberry Creek	The proposed project will enhance about one acre of land at the mouth of Strawberry Creek in San Francisco Bay. The Creek outfall is located on the south side of University Avenue, west of Interstate 580 in Berkeley, California. The project calls for removal of non-native vegetation and inorganic debris from the banks of Strawberry Creek. This area will be contoured to allow for establishment of new tidal marsh and high-tide upland cover. The slopes will be planted with native upland and wetland species. Additional landscape barriers and/or low fencing will be installed to keep people out of the restored area.	1/1/1982	1/1/1900	Brad Olson	

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243	Sycamore Grove Regional Park Restoration	Creek Restoration	Alameda	Livermore Area Recreation and Park District; Livermore, City of	The 735-acre Sycamore Grove Regional Park is owned and managed by the Livermore Area Recreation and Park District (LARPD). Due to past grazing in the park, many of the habitats have been severely compromised resulting in invasive plant and animal species taking over both natural and man-made habitats. The loss of habitat and the steady decline of riparian areas prompted the development of a Resource Management Plan (RMP) for the Park in 2002. The RMP, completed in November 2002, provides a long-term planning, resource stewardship, and operational framework for park management, along with guidelines for recreational development and habitat restoration. The LARPD is now working to restore and enhance a stock pond and 3.3 acres of riparian habitat located in Drainage B of the park. This project is designed to implement several of the highest priority recommendations identified in the RMP all within one major project. The proposed project would reduce sedimentation, prevent over-flow, flooding, and potential dam failure, and enhance habitat for listed species including the California red-legged frog and the California tiger salamander.	1/1/2001	1/1/1900	Alison Mitchell, Mike Nicholson	
244	Tehan Creek	Creek Restoration	Alameda	Friends of the San Francisco Estuary	riparian and oak woodland restoration, outreach, education; habitat enhancement, housing developing oak woodland enhancement willow poles Cost: $50K		1/1/1900	Steve Cochrane	
245	Temescal Creek - Intertidal	Creek Restoration	Alameda	Friends of Temescal Creek	Create greenway; creek interpretation, intertidal clean water/habitat restoration demonstration value, improve appearance/restore. Creek in Emeryville currently in concrete channel. Resid'l/Comm'l spur trail to Bay Trail. Gateway to East Shore State Pk.		1/1/1900	Robin Freeman	
246	Temescal Creek - Urban	Creek Restoration	Alameda	Friends of Temescal Creek	collaborating on Fire and Watershed Management Plan, next step: greenway plan, riparian restoration, community involvement, environmental education; citizens' group advising/collaborating with city on open space improvements, art, interpretation, trail access, habitat restoration, erosion control, support for small private owner stewardship and restoration, plan monitoring	9/1/1996	1/1/1900	Bruce Douglas	
253	Triangle G Ranch Acquisition (wetlands and creek)	Wetland and Creek Restoration		#N/A	#N/A				
255	Triangle Marsh - Newark	Wetland Restoration	Alameda	Ducks Unlimited; US Fish and Wildlife Service	seasonal enhancement		1/1/1900	Renee Spenst, Mendel Stewart	
257	Marsh Creek Reservoir Rehabilitation r/w Acquisition	Creek Restoration	Contra Costa	Contra Costa County Flood Control and Water Conservation District; Trust for Public Land	CCC Flood Control District (FCD) acquired a flowage easement in the 1960s as part of reservoir construction. Effort to purchase fee title to 218 acres of the flowage easement to allow for excavation and riparian enhancement was also completed. Part of a larger plan by the Trust of Pulic Lands to acquire 3942 acres of the Cowell Ranch for habitat protection, public recreation, and greenbelt.	1/1/2001	7/1/2002	0	
260	Village Creek	Creek Restoration	Alameda	Albany, City of; Friends of Five Creeks; UC Berkeley; Urban Creeks Council; Waterways Restoration Institute	900 feet daylighting project in University Village completed, with basic planting, by UCC/WRI. Potential further restoration of Village Creek in the Gill Tract, east of the portion already restored, as mitigation for University Village reconstruction. Short segment restored west of UP railroad tracks by Target as part of store construction.	6/6/1997	1/1/1900	Susan Schwartz	

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266	West Alamo Creek - San Ramon	Creek Restoration	Contra Costa	Contra Costa County Flood Control and Water Conservation District; Phil Williams & Associates; San Ramon, City of	Restoration, preservation of existing creek, increase riparian area		1/1/1900	Paul Detjens, Jeff Haltiner	
267	Western Stege Marsh Restoration Program	Wetland Restoration	Contra Costa	Kids For the Bay; UCB Environmental Science Teaching Program; University of California Berkeley Environmental Health and Safety	Restoration of tidal salt marsh and enhancement of adjacent upland habitat for clapper rail and other resident and migratory species. Restoration of coastal prairie grassland adjacent to marsh. Removal and control of large population of invasives, esp. fennel, pampas, and harding grass. Operation of a plant nursery to supply plants for this project (and potentially others), and involve students in the restoration and stewardship of the marsh, uplands, and grasslands.	1/1/2003	1/1/1900	Karl Hans	
270	Wildcat Creek - San Pablo	Creek Restoration	Contra Costa	San Pablo, City of; The Watershed Project	Wildcat Creek middle reaches; Davis Park - restore 1,500; daylight another stretch	7/1/2009	1/1/1900	Juliana Gonzalez, Karineh Samkian	
277	Arroyo Viejo Creek Restoration at Knowland Park/Oakland Zoo	Creek Restoration	Alameda	Oakland, City of	The project involved the removal of non-native vegetation, replanting with native vegetation, channel reallignment, bank stabilzation, construction of outdoor "classrooms" adjacent to creek, and interprestive signage.	1/1/2005	9/1/2010	Will Stockard	
280	Codornices Creek - Kains to San Pablo	Creek Restoration	Alameda	Albany, City of; Restoration Design Group; Urban Creeks Council	Remove concrete retaining walls from approximately 100 linear feet of Codornices Creek used by steelhead and rainbow trout; provide naturalized meander, pools, riffles, and refuges; softened banks and shade and creekside trail in mini-park. Codornices Creek is a small urban creek with a significant population of rainbow trout that appear to include steelhead (i.e. one restoration project relocated 100 trout; steelhead stem the creek and attempt to spawn). Significant projects have been completed upstream and downstream. However, much of the creek does not offer suitable habitat. In particular, narrow, concrete-lined channels limit the availability of pools suitable for spawning. This project would restore approximately 100 linear feet of some of the worst habitat in the creek, now a narrow, shadeless concrete ditch, with walls leaning toward the creek, some of which have already collapsed and required emergency repair. The project would lessen flood potential by restoring a flood plain, increasing storage, and lessening danger of a wall collapse leading to flooding.	1/1/2000	1/1/1900	Ann Chaney, Rich Walkling	
282	Arrowhead Marsh/MLK Shoreline	Wetland Restoration	Alameda	Save The Bay	Save The Bay is working with East Bay Regional Park District in a community-based restoration program, to educate community members and involve the public in wetland restoration activities along the shoreline, including the 72 acre MLK Restoration Marsh. Volunteers remove non-native plants, propagate and plant site-specific natives, test water quality, and conduct creek and shoreline clean-ups. The overall objective for Save The Bay's program is to form partnerships between Save The Bay, local middle and high schools, local conservation corps, churches and community groups, corporations, foundations, individuals, and resource agencies to increase support for and participation in the protection and restoration of creeks and wetlands throughout the San Francisco Bay Area. By providing local opportunities for individuals to participate in hands-on restoration activities, we involve a variety of community members in Bay education, habitat restoration, and environmental stewardship.	9/1/2000	1/1/1900	Natalie LaVan, Laura Wainer	

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292	Berkeley Meadow - Eastshore State Park	Wetland Restoration	Alameda	California State Parks; East Bay Regional Park District; State Coastal Conservancy	The 72-acre Berkeley Meadow was operated by the City of Berkeley as a landfill. It stopped operating in the 1960?s. Hazardous materials were removed in 1998. Acquisition was part of a $27,000,000 purchase of about 1,800 acres in Emeryville, Berkeley, Albany and Richmond. A three phase restoration plan is now being implemented.The Phase I restoration project was funded by Cherokee-Simeon.This $1.3 million project was constructed in 2004 and 2005, and the Meadow was reopened to public access in 2005. The Phase I restoration project enhanced existing wetlands and created new wetlands within a 17-acre area. This was done by removing non-native vegetation and recontouring the site with clean imported top soil. Clusters of willows and coyote brush were retained and supplemented with a diverse palette of native oaks, shrubs, grasses and herbs. Another goal for the project is to protect existing wildlife habitat by restoring the Meadow over several years. Nesting locations for harriers and kites are protected by fencing, and experimental burrows were provided for western burrowing owls. The Meadow Phase II was constructed from September-December 2008. This 13 acre project creates or enhances the same habitats provided in Phase I. About $1.7 million in funds and improvements was provided by Bailey Estates LLC to mitigate for three acres of seasonal wetland impact.	1/1/2004	11/1/2009	0	
307	Strawberry Creek mouth - Eastshore State Park	Creek Restoration	Alameda	Friends of Five Creeks	Control and remove pepperweed, other invasives from cove at creek mouth and elsewhere in Eastshore State Park. Enhance adjacent upland areas with natives.	4/1/2001	1/1/1900	Susan Schwartz	
426	Baxter Creek Gateway Park Project	Creek Restoration	Contra Costa	El Cerrito, City of; Friends of Baxter Creek; The Watershed Project	To create a graceful gateway from El Cerrito to Richmond, provide a hospitable rest stop for users of the Greenway, and preserve vital native habitat for a variety of birds, frogs, fish, and other wildlife. Baxter Creek flows through a highly urbanized area and approximately 56 percent of its 14.4 miles of stream have been culverted. The creek emerges from underground culverts at several sites, including the project site. The project site is located along San Pablo Avenue in a highly urbanized commercial, industrial and residential environment. It is designated as Open Space in the City's General Plan. It is surrounded by C-3 (Heavy Commercial and Light Industrial); C-2 (Central Commercial) and R-3 (Multifamily Residential) zoned lands. The 750-foot portion of the creek that flows within the project site begins at a culvert and flows in an aboveground mostly straight earthen channel with depths ranging from four inches to about three feet and a channel width of about five to eight feet. Fill has been placed on the historic floodplain.	7/15/2005	9/15/2006	0	
427	Sausal Creek Monterey Redwoods Understory Restoration	Creek Restoration	Alameda	Friends of Sausal Creek	Project was started in 2003. Work extends from the creek up to the top of the Bridgeview switchbacks, about 120 feet elevation gain. Full area is approximately 100x140 feet.	4/22/2003	1/1/1900	Kimra McAfee	
430	Codornices Creek - middle (San Pablo - MLK)	Fish Passage/Creek Restoration	Alameda	Friends of Five Creeks; Restoration Design Group	Diverse efforts. Friends of Five Creeks maintains appx. 120 feet at BART tracks, where they have revegetated and built/installed erosion control, railing, bench, signs. City of Albany has hired Restoration Design Group to do plans for restoration and trail from Kains to San Pablo; high priority on BAWP and IRWMP lists. Urban Creeks Council plan restoration and improved trout passage at Albina Street complete.	1/1/1998	1/1/1900	Rich Walkling	
431	Codornices Creek - lower (San Pablo Ave. west)	Creek Restoration	Alameda	Albany, City of; Friends of Five Creeks; Restoration Design Group	Restore Codornices Creek from San Pablo Avenue west to mouth.	1/1/1996	1/1/1900	Rich Walkling	

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432	Cerrito Creek - San Pablo Westwest to Pacific East Mall	Creek Restoration	Contra Costa	Friends of Five Creeks	Remove invasives, plant natives, improve creekside trails, add signage and seating.	4/16/2001	1/1/1900	Susan Schwartz	
451	Fernandez Ranch Acquisition	Creek Restoration	Contra Costa	Muir Heritage Land Trust	Acquisition by Muir Heritage Land Trust of 702-acre Fernandez Ranch in unincorporated Contra Costa County, which includes tributaries of Rodeo, Refugio and Pinole Creeks. See "Fernandez Ranch - Rodeo Creek Restoration and Public Access Project" for post acquistion phase of the project.	6/1/2004	7/1/2005	0	
472	West Stege Marsh Remediation and Restoration	Wetland Restoration	Alameda	The Watershed Project	Remediation (removal of toxic soil) and restoration of salt marsh, establishment of an ecotone, and enhancement of adjacent upland habitat for clapper rail and other species. Removal and control of large population of invasives, esp. fennel and pampas. Creation of a plant nursery and environmental education center to supply plants for this project (and potentially others), and involve community volunteers and students in the restoration and stewardship of the marsh, uplands, and grasslands.	1/1/2002	7/1/2003	0	
478	Pavon Creeks	Creek Restoration	Contra Costa	Contra Costa Resource Conservation District; East Bay Municipal Utilities District	Pavon Creeks, a tributary sub-basin to Pinole Creek, has been chosen for restoration because it is currently geomorphically unstable and has reduced ecological value. The project area is marked by extensive gully development, unstable banks, small landslides, and excessive sediment deposition near the tributary mouths. This sub-basin has been identified as one of the largest sediment sources in the Pinole Creek Watershed. Restoration will adjust the channel from its current V-shaped gully morphology to a stable channel shape that more adequately transports water and sediment. Channel erosion control and stabilization will largely use bioengineering, but will also include some channel regrading. Channel changes will be completed in context of the larger watershed setting and processes. In addition to increased geomorphic stability, the project will provide habitat for fish and wildlife species by restoring both aquatic and riparian areas. Natural riparian recruitment and riparian plantings will flank the tributary channels, help protect the banks from erosion, and reduce surface water temperature. This project will benefit habitat quality.	4/1/2009	12/30/2010	Bert Mulchaey	
495	Peralta Creek Restoration Project at Cesar Chavez Park	Creek Restoration	Alameda	Oakland, City of	Sponsored by the City of Oakland, the Department of Water Resources, the Alameda County Flood Control and Water Conservation District, the Urban Creeks Council and the Unity Council, the project restores ecological balance and riparian habitat, and improves water quality at the creek, while enhancing public access and safety, and recreational and educational opportunities for the Fruitvale Community. The project was launched in 2003, after two years of preparations and plans. It involved removing aging and decaying concrete erosion control structures along the creek and removing a portion of a flood bypass culvert. A new raised entrance to the culvert was reconstructed downstream that will keep low flow water in the natural channel but allow flood waters a chance to escape in order to protect the neighboring houses. For more information, go to http://www.oaklandpw.com/creeks/peralta_complete.htm	1/1/2003	1/1/2004	0	
511	Marsh Creek Reservoir Rehabilitation	Wetland Restoration	Contra Costa	Contra Costa County Flood Control and Water Conservation District	placeholder	7/1/2005	1/1/1900	Paul Detjens	

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512	Walnut Creek Watershed Arundo donax Eradication Project - Phase 1	Creek Restoration	Contra Costa	Contra Costa County Flood Control and Water Conservation District	Working through local creek stewardship groups, Contra Costa County Flood Control and Water Conservation District (Flood Control District)tested methods of using local creek stewardship groups to Arundo donax (giant cane) throughout the greater Walnut Creek watershed. The Flood Control District partnered with the Sonoma Ecology Center which has received two grants from CalFed. The initial grant tested the model of using local creek stewardship groups to plan, recruit volunteer labor, treat, and monitor popluations of Arundo donax. The results inidacte that the Flood Control District will need to invest considerable staff resources to enable all volunteer creek stewardship groups to identify Arundo stands, gain coorpattion of the landoowners, develop a watershed level eradication plan, and implement it. The Flood Control District did not have finacial resources to taket this project to the next level (map the entire watershed for Arundo). This project remains on long term plans for the Flood Control District.	8/1/2005	3/24/2006	0	
513	Leigh Creekside Park Demonstration Revegetation Project	Creek Restoration	Contra Costa	Friends of Lafayette Creeks; Lafayette Creeks Committee	Remove selected non-native vegetation from south bank of Las Trampas Creek in Leigh Creekside Park (City of Lafayette). Plant native vegetation to enhance the creek bank.	9/1/2004		Jeff Gilman	
514	Glen Echo Creek Park	Creek Restoration		#N/A	#N/A				
519	Mt. Diablo Creek Watershed Coordinated Steelhead Passage Project	Fish Passage	Contra Costa	California State Parks; Contra Costa Resource Conservation District	Until the 1980s, the Mt. Diablo Creek watershed supported a steelhead trout population. In the 1980s, earth moving related to subterranean pipelines near the mouth of Mt. Diablo Creek at Suisun Bay blocked access to the entire watershed. A debris gate in the middle watershed, modified in 2002, may block passage at some flows. For the past 70 years, steelhead access has been denied to pristine habitat in the upper reaches of Mitchell Creek (a main tributary) by two dams and a culvert. This project will plan, design, and implement the necessary fish passage projects through out the watershed to restore steelhead access to 15 miles of stream habitat. An existing watershed inventory identifies removal of these barriers as critical to steelhead repopulation. The watershed assessment produced in coordination with the stakeholder-driven planning process identifies the potential for restoring steelhead to the watershed and called for detailed studies to restore passage.	7/1/2008	1/1/2012	Carol Arnold	
521	Alhambra Creek Restoration and Environmental Education Collaborative	Creek Restoration	Contra Costa	City of Martinez, Environmental Studies Academy; Muir Heritage Land Trust	Phase 1 restoration is complete. The objective of Phase 1 was to remove rock gabions and non-native invasive plant species from the active channel and install an equilibrium channel. Using bioengineering techniques and native riparian plant species, a more natural riparian corridor was created while stabilizing the creek banks. Seeking funding for phase 2, which includes additional planting and invasive species removal.	1/1/2004	1/1/1900	0	
527	North Richmond Shoreline Academy	Wetland Restoration	Contra Costa	Natural Heritage Institute	Provided education, recreation, and restoration opportunities for local citizens to create greater awareness of the North Richmond shoreline and San Pablo/San Francisco Bay Implemented year long bird census between Pt. San Pablo and Pt. Pinole. Implemented native oyster restoration project on North Richmond Shoreline Assessed condition of subtidal and tidal habitats between Pt. San Pablo and Pt. Pinole	9/1/2006	2/28/2010	Carson Cox	
545	McNabney Marsh tidal restoration project	Wetland Restoration	Contra Costa	Mt. View Sanitary District	McNabney Marsh is a 135 acre freshwater marsh along the north side I-680 just south of the Benicia Bridge. The marsh receives discharge from the 20 acre constructed Moorhen Marsh which receives wastewater from the advanced secondary treatment system of Mt. View Sanitary District. The McNabney Marsh discharges to Peyton Slough which drains other marsh areas on its route to the Carquinez Strait. A tide gate presently prevents tidal flow upstream to McNabney Marsh. The management plan goals include introducing tidal water to McNabney Marsh via the tide gates on Peyton Slough. The main channels in McNabney Marsh were dredged to remove accumulated sediment and obstructing vegetation. After the dredging is completed, sluice gates will be added to culverts at the end of the drainage channels. With the sluice gates in place, tidal flow can be enhanced in the marsh. Other project goals include deepening a culvert beneath the railroad right-of-way to improve drainage capacity, planting vegetation along a transition zone to bordering uplands, constructing an observation deck and controlling the spread of cattails.	1/1/1987	1/1/1900	Kelly Davidson-Chou	

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547	Marsh Creek Fish Ladder	Fish Passage	Contra Costa	American Rivers; Friends of Marsh Creek Watershed; Natural Heritage Institute	Design and construction of a fish ladder over a grade control drop structure located approximately 3 miles from the mouth of Marsh Creek in the City of Brentwood.	6/1/2004	12/31/2010	Sarah Beamish Puckett	
550	Wildcat Creek Restoration	Creek Restoration	Contra Costa	Contra Costa County Flood Control and Water Conservation District	The primary purposes of the project are to enhance the fish and wildlife values for the original Wildcat Creek Flood Control Project while also increasing the flood protection capacity of the project. This project will remove barriers to fish passage, provide for fish habitat and migration, increase natural sustainability, improve riparian habitat, reduce sedimentation in fish passageways, and reduce maintenance impacts and costs. The project's goals also include community involvement, education, and outreach. This project represents a collaborative approach to practicing adaptive management in project design and management.The project emphasizes the strategy of encouraging sediment deposition in a basin and floodplain areas to prevent environmental impacts from maintenance activities to the riparian corridor and active channel and the Wildcat Creek marshes. This project provides a missing link between upstream and downstream project reaches.	1/1/1984	1/1/2010	Cece Sellgren	
551	Richmond Wetlands - San Pablo Marsh	Wetland Restoration	Contra Costa	East Bay Regional Park District	The property is located at 2550 Garden Tract Rd in Richmond. It is comprised of 355 acres at the North end of Garden Tract Road and extends to the edge of the waters at San Pablo Bay. It is zoned for open space by the City of Richmond. Includes about 150 acres of tidal marsh. There is a 1.5 acre tidal pan and about 2 acres of bayfill. The rest is intertidal mudflat.	9/5/2007	1/1/1900	Brad Olson	
557	North Richmond Shoreline Land Acquisition	Wetland Restoration	Contra Costa	East Bay Regional Park District; Natural Heritage Institute	A coalition of community and environmental groups are currently seeking support for the acquisition of priority parcels in order to protect habitat, water quality, and provide recreation and open space to communities along the North Richmond Shoreline.	7/15/2007	1/1/1900	Brad Olson, Rich Walkling	

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558	Chelsea Wetlands	Wetland Restoration	Contra Costa	Hercules, City of	The Chelsea Wetlands is located adjacent to the mouth of Pinole Creek in Hercules California. To the best of our knowledge, the site was part of the San Pablo Bay prior to diking, rail construction and filling. It is believed that the site supported intertidal marsh, mudflats and intertidal or subtidal channels and open water. Today, the approximately 12 acres site is bordered by a housing development, a road, the Union Pacific rail line and Pinole Creek. Our goal is to restore the wetlands to its natural state given the physical constraints just described. Some of the possible benefits include providing high tide roosting habitats for migratory shorebirds and waterfowl, and support of species such as the salt marsh harvest mouse, the burrowing owl, white tailed kite and northern harriers and even the possibility of providing nursery habitat for Chinook Salmon and Steelhead. The area is also prone to flooding and as a result, we hope to also address that issue in our work.	8/1/2007	10/1/2011	Ariel Mercado	
565	Brooks Island Habitat Improvement Project	Wetland Restoration	Contra Costa	East Bay Regional Park District	The proposed project will enhance intertidal and upland habitats along the San Francisco Bay shoreline. It will remove existing inorganic debris, residual oil contaminants from the Cosco Busan oil spill, protect eroding areas, create ground-nesting bird habitat, remove non-native vegetation and control predators along more than three miles of San Francisco Bay shoreline. The Project will also provided for improvement management of existing public access and creation of new interpretive and wildlife observation facilities to enhance the publics understanding of wildlife. Brooks Island and surrounding San Francisco Bay waters are one of the areas most heavily impacted by the Cosco Busan Oil spill. The Islands entire 3.23 mile perimeter was oiled. These impacts are of particular significance for the Caspian tern breeding colony on the island, which is the largest breeding colony in California. The US Fish and Wildlife Service and Army Corps of Engineers identified improvement of Brooks Island as a high priority location for conservation of Caspian tern in North America. These birds are heavily dependent upon the Bay's fisheries for their successful production. Rocky intertidal, sand flat and mudflat areas that ring the island also provide habitat for many benthic organisms which support large numbers of shorebirds. A weed abatement program will be implemented to keep ground-nesting locations open. A predator control program will be implemented to control species which prey upon ground-nesting birds. Nearby raptor perch sites will be removed. Shell, sand or dredged materials may be imported to expand beaches to provide more areas for ground-nesting birds and foraging habitat for shorebirds. Low native dune and scrub vegetation will be planted in other areas to reduce the effects of wind and wave erosion. Eroding rocky intertidal habitat will also be improved by removing inorganic debris and protecting actively eroding areas.	5/1/2008	5/1/2018	Brad Olson	
571	South Bay Salt Ponds: Eden Landing Ponds 3C 4 4C 5 6B 6C 8 8A and 9	Wetland Restoration	Alameda	California Department of Fish and Game; Ducks Unlimited; State Coastal Conservancy; US Fish and Wildlife Service	This restoration and enhancement project was part of the Initial Stewardship Plan and improved management capabilities and replaced deteriorating infrastructure. This project restored 237 acres (Ponds 4, 5, 6C) and enhanced 890 acres (Ponds 3C, 4C, 6B, 8, 8A, 9). Water control structures were installed and/or replaced between ponds 4C and 3C, 4 and 5, 5 and 6C, 6B, 8A, and 9 to 8A to improve interpond circulation and decrease salinity levels.	12/6/2006	7/1/2008	0	

Project_ID	Project	Project_Type	County	Organization	Description	Beginning	Ending_Dat	Contact	Contact_email
573	Eelgrass Protection and Creation Project, Eastshore State Park	Wetland Restoration	Contra Costa	East Bay Regional Park District	Point Pinole and Miller-Knox Regional Shorelines. The proposed project will provide for the acquisition, protection, creation and enhancement of existing and new eel grass beds along the East Bay Shoreline. Recent studies conducted by the California Department of Transportation have documented that 80 to 90% of all the eel grass in the San Francisco Bay is along the north Richmond Shoreline. Much of this area is in private ownership and is subject to future development, including development of a proposed casino on Point Molate, and construction of new deepwater piers in the Richmond area. Development in upland areas is contributing fine sediments to the San Francisco Bay that increase suspended sediments, adversely affecting water clarity and photosynthesis within eel grass beds. Acquisition and protection of privately owned eel grass habitat and adjacent upland areas will be a first step in protecting this fragile ecosystem. Areas that are acquired will be protected by eliminating potential development threats, such as dredging and Bay fill. Restoring and protecting adjacent wetland and upland habitats will reduce the volume of fine sediments and pollutants entering San Francisco Bay eel grass beds. Artificial eel grass beds could be created by placing dredged sand in shallow subtidal areas to create a substrate and water depth suitable for eel grass establishment. The California Department of Transportation is currently monitoring a pilot eel grass project at Eastshore State Park which will inform the design of eel grass protection and creation efforts for this project and elsewhere in the East Bay.Expansion of existing or creation of new eel grass beds could occur at several locations, including the North and South Richmond Shorelines, Albany Beach, Berkeley North Basin and Brickyard Cove, and the Emeryville Crescent.	3/1/2008	1/1/1900	Brad Olson	
574	Intertidal Habitat Improvement Project, Eastshore State Park	Wetland Restoration	Alameda	East Bay Regional Park District	The proposed project will enhance intertidal habitat along the San Francisco Bay shoreline in Berkeley North Basin, Berkeley, California. It will remove existing concrete, asphalt, metal, foundry slag, creosote timbers, plastic and other inorganic debris from about 6,000 linear feet of shoreline. Slope protection will be installed to create a "living shoreline" for intertidal habitat for fish, wildlife and plants. Methods could include natural rock riprap, interlocking blocks, bioengineered slope protection and other methods compatible with creating rocky intertidal habitat. A gentle transitional aquatic-to-upland gradient will be created by laying-back portions of the shoreline.The project will reduce Bay sedimentation by stabilizing failing and eroding shoreline areas. It will stop the potential release of soil and groundwater contaminants into the Bay. Residual oil contamination from the Cosco Busan Oil Spill will be removed during project implementation. The esthetic environment will be improved by providing better visual access to the San Francisco Bay by eliminating debris which often obstructs views of the shoreline and its associated wildlife. The project will allow for planned public access to the Bay to increase the public's understanding and appreciation of wildlife.	3/1/2008	1/1/1900	Brad Olson	
575	Albany Beach Expansion Project, Eastshore State Park	Wetland Restoration	Alameda	East Bay Regional Park District	The proposed project will enhance and expand Albany Beach, which is within Eastshore State Park, adjacent to Golden Gate Fields, in the City of Albany, California. It will remove existing debris and non-native vegetation, and import sand to expand the existing beach and adjacent dune complex to about five-acres. In addition, sand could also be placed off-shore to create new shallow subtidal habitat suitable for colonization by eel grass. Improved public access to the beach will be provided by installation of new walkways and fencing that will channel people to the beach while minimizing impacts to the dune complex. Native dune vegetation will be planted to stabilize the upper beach and dunes, and to prevent wind erosion. Interpretive exhibits will be installed and small picnic areas and restrooms are also planned to enhance recreational use of the area. Upland dune areas will also be expanded by use of imported sand. Coastal beach and dune complexes have been virtually eliminated along the East Bay shoreline. In small, scattered locations beaches and dunes have been reestablishing. However, most of these areas lack any native vegetation. Many special-status plants historically occurred only in such areas, but are presently absent from the East Bay. Plants such as robust spineflower, Nuttal's locoweed and sea blite could be introduced into the protected beach and dune complex. Shallow subtidal habitat could be created by importing sand to create a substrate suitable for colonization by eel grass. This habitat type is very important as nurseries for fish and invertebrates. They also provide good foraging habitat for seabirds that were directly impacted by the Cosco Busan oil spill.	3/1/2008	1/1/1900	Brad Olson	

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576	Radio Beach Expansion Project, Eastshore State Park	Wetland Restoration	Alameda	East Bay Regional Park District	The proposed project will enhance and expand Radio Beach, which is located on the southern edge of Eastshore State Park at the Emeryville Crescent in Emeryville, California. The project will remove existing debris and non-native vegetation, and import sand to expand two one-acre beaches and adjacent dune complex to about four-acres. Native dune vegetation will be planted to stabilize the upper beach and dunes, and to prevent wind erosion. Upland dune areas will also be expanded by use of imported sand. Coastal beach and dune complexes have been virtually eliminated along the East Bay shoreline. In small, scattered locations beaches and dunes have been reestablishing. However, most of these areas lack any native vegetation. Many special-status plants historically occurred only in such areas, but are presently absent from the East Bay. Plants such as robust spineflower, Nuttal's locoweed and sea blite could be reintroduced into the expanded beach and dune complex. In partnership with the East Bay Regional Park District, the US Fish and Wildlife Service is introducing sea blite into the Emeryville Crescent at Eastshore State Park.	3/1/2008	1/1/1900	Brad Olson	
577	Hoffman Marsh Restoration Project, Eastshore State Park	Wetland Restoration	Alameda	East Bay Regional Park District	The Hoffman Marsh is located at Eastshore State Park in the City of Richmond, California. The proposed project will restore and enhance up to 40 acres of tidal wetlands and adjacent upland transitional areas. Small upland areas may be acquired for inclusion into the restoration project. Up to ten acres of Bay fill, inorganic debris and barriers to tidal circulation will be removed. New tidal channels and water control structures will be installed as necessary to improve water circulation and establish better connectivity with adjacent tidal marshes. Non-native vegetation will be removed and replaced with native wetland and upland vegetation. A system of emergency tidal barriers could be installed to prevent contamination of Hoffman Marsh from future oil spills and other water pollution.This project will protect, enhance or restore a number of plant and animal habitats in or adjacent to Hoffman Marsh. Restoration on this large property includes removal of Bay fill and potentially contaminated sediments that would adversely affect birds, fish, invertebrates and other Bay wildlife. Saline and brackish water tidal wetlands would be created and enhanced to provide expanded habitat for the endangered California clapper rail, threatened California black rail and endangered saltmarsh harvest mouse. A gentle transitional habitat would be created in some areas to benefit waterfowl and shorebirds that may be entering or exiting the Bay. Transitional wetland and upland vegetation will be planted to provide wildlife cover during high tide events. Lack of transitional cover plays a major role in predation losses by red fox, raccoons, rats, gulls, herons and egrets.	3/1/2008	1/1/1900	Brad Olson	
578	Plant Material Growing Ground Project, Eastshore State Park	Wetland Restoration	Alameda	East Bay Regional Park District	The proposed project will construct and operate a new plant material growing ground to collect, propagate and supply native wetland and upland plants for several proposed habitat restoration projects along the East Bay Shoreline of the San Francisco Bay. These projects include the Rocky Intertidal, and Schoolhouse and Strawberry Creek projects in Berkeley, Albany Beach project, Radio Beach project in Emeryville, and Hoffman Marsh, Breuner Marsh, Rheem Creek, North Richmond Shoreline and Brooks Island projects in Richmond. The project will consist of establishing about a 2,000 square foot growing ground, equipped with drinking water, portable restrooms, shed, canopies, fencing, tools, growing racks, irrigation system, lighting and site security. Additional funds will be required to purchase materials for plant propagation, including pots, soil, fertilizers, etc. This project will provide plant materials for several restoration projects. Local genotypes of native plant materials will be collected along the East Bay Shoreline for propagation at the proposed growing ground. Local propagules are best suited for restoration purposes because they are the most genetically fit for establishment and they will not contaminate the local gene pool with materials not native to specific locations. In other cases propagules from other locations may be used if an East Bay source cannot be located. For example, some of the locally extirpated plant species must be propagated from cuttings or seed collected outside of the East Bay. Another advantage of having a locally operated growing ground is that the District can obtain plant materials for propagation for future projects. A growing ground can also supply plant materials for projects being sponsored by other agencies and organizations, including State Department of Parks and Recreation, Friends of Five Creeks, Save the Bay, The Watershed Project and the California Native Plant Society. The proposed project is in the Eas	3/1/2008	1/1/1900	Brad Olson	

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579	Off-shore Bird Habitat Project, Eastshore State Park	Wetland Restoration	Alameda	East Bay Regional Park District; San Francisco Bay Joint Venture	The proposed project will construct new off-shore structures and islands for shorebird roosting and possibly nesting. This will include restoring old piers, installing new structures and creating new islands using dredged sand or other suitable materials. This type of habitat is very scarce in the East Bay given the very few number of islands and suitable structures available. As described in the Eastshore State Park General Plan, potential locations for new roosting and nesting habitat include the Emeryville Crescent, Albany Mudflats and North Point Isabel in Richmond.	3/1/2008	1/1/1900	Brad Olson	
600	Native vegetation planting in McNabney Marsh buffer zone	Wetland Restoration	Contra Costa	Mt. View Sanitary District	The species list will be chosen based on plants typical of local valley grasslands that are adapted to hot, dry, grassy slopes including species that have shown high survivorship from previous plantings. Plants will be propagated from seed and grown at The Watershed Nursery. At the time of planting, each plant grown will have a root ball developed for the designated container size. Container types used are designed for optimal root to shoot ratios and increased out-planting success. The planting design will be based on two general planting patterns: independent and colonial. Colonial planting designations will be assigned to species that naturally grow in dense homogenous colonies and independent planting designations will be assigned to species that grow individually. This out-planting design is modeled after that used in the Crissy Fields restoration project (Heimbinder 2001) and will enhance survivorship by mimicking natural distribution and growth habits of the species used. Plants will be provided supplemental water during the dry months through a water tank and drip irrigation system. To retard water loss, a layer of mulch will be spread around each seedling planted. Vigor status of each plant will be monitored in spring 2009. The monitoring will be used to assess general survivorship for each species to help determine which plants are most appropriate for the site for future vegetation enhancement projects.	1/1/2009	12/31/2010	Kelly Davidson-Chou	
628	San Leandro Creek - South Hills Property Acquisition	Creek Restoration	Alameda	Oakland, City of	This preservation opportunity is exceptional for the City of Oakland because of the large size and intact nature of the site. Preservation of this site has protected significant reaches of two tributaries to San Leandro Creek, both of which provide good riparian habitat connected to adjacent upland forest. Preservation of this area has protected headwater source areas with high quality waters to the San Leandro Creek watershed. Features observed at the site indicate that the two tributaries provide flood storage areas and water quality protection for downstream reaches, particularly downstream of Highway 580. Areas of bank erosion (at the north tributary) and disconnection from upstream sediment sources (at the south tributary) could be improved by preservation and restoration efforts. Riparian habitat at this site is greatly enhanced by the extensive adjacent area of California bay forest. Riparian vegetation forms a band approximately 80 feet in width around the channels, and transitions gradually into adjacent California bay forest habitat. California bay forms a nearly continuous canopy over the channels, providing a source of large woody debris and leaf litter, and maintaining cool water temperatures. Coast live oak is also present in the canopy layer. The creek channels contain pool and riffle features typical of steep reaches near the headwaters of the watershed. These features enhance habitat value for aquatic wildlife. Numerous wildlife species could utilize the site for foraging and as a movement corridor. Large woody debris has developed pool features within the creek channel, which provide good habitat for wildlife. The site is adjacent to the 143-acre Dunsmuir Ridge Open Space. It is also connected through the Lake Chabot Municipal Golf Course to Anthony Chabot Regional Park. Preservation of this site would augment and buffer the Dunsmuir Ridge Open Space from the potential impacts of adjacent development.	11/4/2008	1/15/2010	Rebecca Tuden	
646	South Bay Salt Ponds: Eden Landing Ponds E8A, 9 and 8X	Wetland Restoration	Alameda	California Department of Fish and Game; State Coastal Conservancy; US Fish and Wildlife Service	Eden Landing Ponds E8A, E9 and E8X would be restored to tidal action to create tidal salt marsh and tidal channel habitat. The ponds would be restored to tidal habitat by: breaching and lowering the outboard and inboard levees; improving and extending the levee between Pond E14 and Ponds E9 and E8X; excavating pilot channels through the fringe marsh outboard of the breaches; constructing ditch blocks in the borrow ditches; maintaining existing and constructing new pond/panne habitats within the pond area; and reconfiguring culvert connections.	1/1/2009	10/31/2011	John Bourgeois, Amy Hutzel, John Krause	

Project_ID	Project	Project_Type	County	Organization	Description	Beginning	Ending_Dat	Contact	Contact_email
647	South Bay Salt Ponds: Eden Landing Ponds E12 and E13	Wetland Restoration	Alameda	California Department of Fish and Game; State Coastal Conservancy; US Fish and Wildlife Service	Eden Landing Ponds E12 and E13 would be reconfigured to create shallow-water foraging habitat for migratory shorebirds, with a range of salinities, and a limited number of islands for nesting bird habitat (Figure 1). The restoration action would help maintain populations of bird species breeding at the salt ponds (project objective 1B.1) through the creation of nesting island and berm habitat; maintain habitat for salt pond-specialized birds (project objective 1B.2) by creating cells with elevated salinities; and maintain population levels of foraging shorebirds (projective objective 1B.3) by managing water levels and salinities to maximize foraging potential. These reconfigured ponds would test the extent to which focused management of shallow water habitats can increase migratory shorebird densities, the importance of salinity on the density of foraging shorebirds and their prey as applied studies, and techniques for vegetation management, predator management, and water and salinity management.	1/1/2010	10/1/2011	John Bourgeois, Amy Hutzel, John Krause	
654	Pinole Creek Fish Passage Improvement Project	Fish Passage	Contra Costa	Contra Costa Resource Conservation District	This project will restore access to the upper reaches of Pinole Creek for the current population of Central California Coast Steelhead by modifying the existing box culverts where Pinole Creek passes under I-80. This project will improve access to nearly 7 miles of documented quality steelhead spawning and rearing habitat on the main stem of Pinole Creek. Funding is needed for the remainder of construction costs for the fish passage improvements to remediate the passage barrier issues and provide habitat linkage for steelhead. This project is consistent with the Central California Coast Steelhead Recovery Plan which is currently under development. Pinole Creek will be recognized as important to recovery of the Interior San Francisco Bay Diversity Strata of steelhead in the Central California Coast Steelhead Recovery Plan (Charlotte Ambrose, NOAA, pers. comm.).	5/1/2009	10/15/2012	Carol Arnold	
655	Friends of Pinole Creek Watershed Native Plant Restoration project	Creek Restoration	Contra Costa	Friends of Pinole Creek	This FOPCW 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. The objectives of the Pinole Creek Native Plant Restoration and Demonstration Project are to: increase creek habitat and functioning for fish and wildlife; increase species richness and vegetation cover; serve as a demonstration site for future restoration efforts and native gardens; build a constituency that understands and supports creek restoration efforts and provide an opportunity for public environmental education.	4/1/2003	1/1/1900	Lisa Lacabanne	
664	Breuner Marsh Acquisition	Wetland Restoration	Contra Costa	East Bay Regional Park District	Acquisition by East Bay Regional Parks District of 218 acres	1/1/2007	4/30/2008	0	
665	Byron Vernal Pools Acquisition	Wetland Restoration	Contra Costa	East Bay Regional Park District; East Contra Costa Habitat Conservancy	Purchase of about 190 acres in East County, adjacent to Vasco Caves Regional Preserve, and near the Byron Airport, both of which also harbor fairy shrimp populations. The park district bought the property from owners Anthony and Gloria Souza for a total of $1,692,000, the appraised fair-market value. Partnering in the project is the East Contra Costa Habitat Conservancy, a consortium created to preserve and restore high-priority lands that have significant habitat for protected species. Members of the conservancy are the cities of Brentwood, Clayton, Oakley and Pittsburg, and Contra Costa County. The conservancy provided $1,492,000 of the purchase price, the park district $200,000. In the future, the property will become a new parkland, Byron Vernal Pools Regional Preserve.The 190-acre property is dominated by non-native annual grasses with scattered seasonal wetlands and a segment of Brushy Creek. The acquisition property is rich in grassland dependent species including coyote, American badger, ground squirrels and other small mammals. It also currently supports or has the potential to support foraging habitat and/or breeding habitat for a number of listed species and species of special concern, including California tiger salamander, California red-legged frog, golden eagle, western burrowing owl, loggerhead shrike, prairie falcon, longhorn and vernal pool fairy shrimp. This acquisition will improve the overall conservation value of the Vasco Caves area by providing further buffering from immediate development, as well as providing more contiguous corridor land, especially important for the listed San Joaquin kit fox.	7/1/2009	8/30/2009	Brad Olson	

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666	Community-Based Restoration and Stewardship - Eden Landing Ecological Reserve	Wetland Restoration	Alameda	Save The Bay	Save The Bay partners with the CA Department of Fish and Game to offer some of the first public access stewardship projects within the South Bay Salt Pond Restoration Project, at Eden Landing Ecological Reserve along the Hayward shoreline. Residents from Hayward, Union City and other Bay Area communities have an excellent opportunity to view a portion of the 15,100-acre South Bay Salt Pond Restoration Project by volunteering to help clean up, remove invasive weeds, and plant natives to restore tidal salt marsh habitat at this site. This property is not currently open to public access and last year's clean-up effort showed that this site has accumulated a lot of large debris- our volunteers have removed more than 3,000 pounds of trash to date.	1/1/2006	1/1/1900	Darcie Collins, Laura Wainer	
669	Byron Vernal Pools Restoration	Wetland Restoration	Contra Costa	East Bay Regional Park District	30 acre grassland and wetland restoration project, which will include 10 acres of enhanced or restored seasonal wetlands.	12/1/2009	1/1/1900	Brad Olson	
685	San Ramon Creek - El Capitan Drive	Creek Restoration	Contra Costa	Danville, Town of	This project is intended to realign the creek to pre-2002 conditions and armor the creek banks to preserve the integrity of the bridge foundation. The project area is located within a public storm drain easement on property owned by the Danville Station Homeowners' Association. The project is funded by an Emergency Relief grant from the Federal Highway Administration, as administered by Caltrans, with matching funds from the Town's General Purpose Revenue. The guidelines associated with this grant program preclude the Town from incorporating "betterments" into the project. As such, the storm conveyance characteristics of the creek will not be enhanced or degraded, but instead restored to original condition.	1/1/2007	1/1/2010	0	
686	San Ramon Creek - Front Street to Diablo	Creek Restoration	Contra Costa	Danville, Town of	Emergency creek bank repair funded by FEMA.	1/1/2009	2/3/2010	Steve Lake	
708	Point Pinole Native Oyster Reef	Wetland Restoration	Contra Costa	The Watershed Project	This project installs a man-made reef of approximately 1200 square feet in the subtidal/intertidal zone at Pt Pinole Regional Shoreline. The reef is to be constructed of reefballs containing a high proportion of ancient native oyster shell, and/or pallets of bagged non-native oyster shell. Both substrates provide hard surfaces suitable for natural recruitment of Ostrea conchaphala, the native Olympia oysters. Within a single season, recruitment will result in a population of thousands of native oysters, and a diverse collection of other subtidal/intertidal fauna. The project will be implemented by volunteers supervised by experienced scientific staff. An educational program "Oysters on the Half Shell" will use the site to deliver curricula about ocean literacy and subtidal ecology to middle and high school students.	9/1/2010	1/1/1900	Christopher Lim	
709	Lake Merritt Bird Islands Restoration Project	Wetland Restoration	Alameda	Oakland, City of, Community Economic Development Agency	Restoration of the Lake Merritt Bird Islands	1/1/2010	1/1/1900	Kevin Kashi	
711	Appian Creek Stewardship Project	Creek Restoration	Contra Costa	The Watershed Project	The site at the El Sobrante Boys and Girls Club (the Club) consists of approximately 225 linear feet of creek bank, spanning the length of the paved sports courts behind the organization. The site has a moderate presence of invasive species including blackberry bushes and German and Algerian ivy. Heavy riprap is present along the entire stretch of creek bank and appears to have come from the recent pavement of sports courts. The banks along the creek have a gradual slope making the site very accessible. The Boys and Girls Club has plans for park and picnic area development of the left bank, so SPAWNERS will work exclusively on the right bank. SPAWNERS plans to coordinate an ongoing effort to transform this stretch of creek bank into a blooming environmental education site. We look forward to working with local community members to remove invasive plant species, re-plant with native species and enhance the natural beauty of the area. Our goals are to improve Appian Creek for both people and wildlife, to educate the community about caring for our creeks and preserving water quality, and to involve volunteers in a creek restoration project within the San Pablo watershed. More specifically, we will: Collaborate with Boys & Girls Club board, staff and members; Create a plan for weed removal, erosion control, and native planting; Organize community and student volunteer work days to carry out the plan; Engage youth members of the Boys & Girls Club in hands-on educational activities related to creek restoration and watershed ecology; Monitor the success of the project through photos and data collection; Create annual reports on our progress.	9/11/2009	10/11/2014	Femke Oldham	

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712	Wilkie Creek Stewardship Project	Creek Restoration	Contra Costa	The Watershed Project	The site at Wilkie Creek (a tributary of San Pablo creek) behind De Anza High School consists of approximately 150 linear feet of creek bank, from the Santa Rita Road culvert upstream. This site has a moderate presence of invasive species including non-native grasses. Riprap is present at the west end of the site. A restoration effort should include an impact assessment of a deteriorating culvert constructed by the City of Richmond. There is a low level trash problem. The banks on both sides of the creek are laid-back making the site very accessible. Due to private property constraints, SPAWNERS will pursue re vegetation on the left bank only. SPAWNERS plans to coordinate an ongoing effort to transform this stretch of creek bank into a creek-side classroom for De Anza High School. We look forward to working with neighbors, students and teachers to stabilize the bank, build an outdoor classroom, remove invasive species, and re-plant with natives. Our goals are to improve Wilkie Creek for both people and wildlife, to educate the community about caring for our creeks and preserving water quality, and to involve the high school in restoring a section of their creek-front property. More specifically, we will: Collaborate with De Anza High School faculty, staff and students; Create a plan for weed removal, erosion control, and native planting; Organize community and student volunteer work days to carry out the plan; Engage youth members of the environmental and community service clubs in hands-on educational activities related to creek restoration and watershed ecology; Monitor the success of the project through photos and data collection; Create annual reports on our progress.	9/11/2010	10/11/2014	Femke Oldham	
729	Chabot Watershed Partnership: Habitat Restoration and BMPs for Water Quality in an Impaired Urban Watershed	Habitat Restoration	Alameda	Solano Resource Conservation District	The Chabot Watershed Partnership is a group of government agencies, private business and community stakeholder groups with interests in water quality and wildlife conservation in urban Vallejo. This proposal brings K-12 and college students, local residents, agency and corporate partners, ranchers and city managers from this underserved community together to improve water quality and wildlife habitat throughout the Chabot watershed, including Rindler Creek, recently 303d listed for trash. Best management practices including filter strips and cattle exclusion from stream beds will be implemented on nearly two miles of stream, and ecosystem function will be restored to over 360 acres through weed control and installation of over 50,000 native trees, shrubs, grasses and sedges. By the end of the project period, quantifiable improvements in water quality and wildlife habitat will be realized through the installation of trash capture devices and investment by the local community in creating functional riparian corridors on two impaired urban streams.	7/1/2011	6/30/2015	Amy King	
733	Triangle Marsh - Hayward	Wetland Restoration	Alameda	Hayward Area Recreation and Park District	The 25 acre Triangle Marsh property has limited and controlled tidal action that needs improvements to provide better tidal action and wildlife habitat. The Triangle Marsh historically was a tidal marsh that which had a dike built around the property. The property was intended to become a land fill, but was not filled. Some enhancement was done to partly restore tidal flow with a gated culvert. A hydrology study was done by Phillip Williams and Associates in the 1980?s when the enhancement was performed. The property is primarily covered with pickle-weed. The levees have pickleweed at the base and upland vegetation on the upper sides. Some cord grass is on the outer levees at the nearby Hayward Landing where clapper rails may forage. The pickleweed growth is potential habitat for the Salt Marsh Harvest Mouse.Triangle Marsh were part of the Bay system historically but had levees built around the properties cutting off tidal flow so that the land could be used for a landfill. The land was not filled in. The Triangle Marsh had some tidal mitigation work done when a culvert was built and some channels were dug. Sedimentation has occurred in the channels and the tidal gate needs to be rebuilt.	1/15/2012	1/1/1900	Karl Zabel	
734	Franks Tract	Wetland Restoration	Alameda	Hayward Area Recreation and Park District	Franks Track was formerly part of the Bay and Bay marsh land. A dike was built around the property cutting it off from tidal action. The land was intended to be used for a landfill but was not filled in. The land is now mostly barren with some pickle weed growth. The area collects water from rain, which evaporates in mid-summer. Upland introduced weeds and some native growth is found on the upper slopes of the levee dikes. This property has the potential for foraging habitat for the California clapper rail. California clapper rail have been present at the Hayward Landing area about 2,000 feet away. The Park District also owns a 170 acre parcel just west of Franks Track on the Bay side of the property that extends south to and including Hayward Landing.	1/15/2012	1/1/1900	Karl Zabel	

Projects in the East Subregion of the Bay Area Integrated Retional Water Management Planning Region

Project_ID	Project	Project_Type	County	Organization	Description	Beginning	Ending_Dat	Contact	Contact_email
735	Oakport Project	Wetland Restoration	Alameda	Oakland, City of	The City of Oakland is proposing the Oakport Wetland Project, a 6 - 8 acre wetland enhancement and creation project. The Oakport Wetland Project is located on two City-owned undeveloped parcels along Martin Luther King Shoreline, near Damon Slough and Damon Marsh, in the Oakland Estuary. This site was formerly mud flats and open water and was created using fill material. This site is in close proximity to existing tidal wetlands that currently provide habitat for the California Clapper Rail, and, if restored, would achieve over 20 acres of contiguous habitat. These connections with other tidal marsh areas provide opportunity for marsh-dependent birds and small mammals to move safely between.The Oakport site is composed primarily of upland habitat with both developed and un-developed land uses. The developed portion (approximately 10 acres) includes a ball field, picnic benches, parking area and multiuse paved trail (Bay Trail). The non-developed area (approximately 10 acres) is comprised primarily of upland areas with non-native and invasive vegetation including non-native grasses, pampas grass, fennel, scotch broom, pepperweed, Italian and star thistle, stinkwort, ice plant, acacia and poplar trees. A small portion of the non-developed area includes seasonally, ponded wetlands. The City proposes to create tidal wetlands on the non-developed upland portions of the Oakport site and to enhance the existing seasonal wetlands: offering approximately 7 acres of created tidal wetland and enhanced seasonal wetlands.	8/15/2011	1/1/1900	Rebecca Tuden	
800	Rubberdam Number 1 /BART Weir Fish Passage Complex Project	Fish Passage	Alameda	ACWD and ACFCWCD	Fish Passage - Total barrier	3/1/2008	12/31/2014		
801	Rubberdam Number 3 Fish Ladder Project	Fish Passage	Alameda	ACWD	Fish Passage - Partial barrier	18991230	12/31/2015		
802	Shinn Pond Diversion Fish Screen	Fish Screen	Alameda	ACWD	Fish Screen	18991230	12/31/2014		
803	Kaiser Pond Diversion Fish Screen	Fish Screen	Alameda	ACWD	Fish Screen	18991230	12/31/2013		
804	Alameda Creek - Recycled Water Plant	Recycled Water	Alameda	ACWD and USD	Recycled water plant	18991230	1/1/1900		
805	Alameda Creek - Recycled Water Plant	Recycled Water	Alameda	ACWD and USD	Recycled water plant	18991230	1/1/1900		
806	Alameda Creek - Fish Passage - impediment	Fish Passage	Alameda	ACFCWCD	Fish Passage - impediment	18991230	1/1/1900		
807	Alameda Creek - Fish Passage - impediment	Fish Passage	Alameda	ACFCWCD	Fish Passage - impediment	18991230	1/1/1900		
808	Alameda Creek - Fish Passage - impediment	Fish Passage	Alameda	ACFCWCD	Fish Passage - impediment	18991230	1/1/1900		
809	Alameda Creek - Fish Passage - impediment	Fish Passage	Alameda	ACFCWCD	Fish Passage - impediment	18991230	1/1/1900		
810	Alameda Creek - Fish Passage - impediment	Fish Passage	Alameda	ACFCWCD	Fish Passage - impediment	18991230	1/1/1900		
811	Alameda Creek - Desilting - fish passage	Fish Passage	Alameda	ACFCWCD	Desilting - fish passage		1/1/1900		
812	Shinn Pond Gravity Rediversion Pipeline No. 2	Ground Water Supply	Alameda	ACWD	Rehabilitate or replace 3000 linear feet of corroded 66-inch to 42-inch telescoping pipe used to move water from one GW percolation pond to another.	11/28/2011	12/31/2013		
813	Peralta Tyson Wellfield Standby Generator	Water Supply	Alameda	ACWD	Furnish and install a 1000kW standby generator set complete with a 5000 gallon sub-base diesel fuel tank and 465 sq ft concrete secondary containment basin	5/21/2011	12/31/2013		
814	Water Treatment Plant No. 2 Power Facility Turbine Upgrade	Water Supply	Alameda	ACWD	Upgrade four vertical-axis fixed geometry Francis hydraulic reaction turbines closely coupled to low voltage induction generators (rated at 250 kW each). Flow to Water Treatment Plant No. 2 is delivered from the South Bay Aqueduct via a 36 inch diameter buried steel pipeline. The gross hydraulic head to the raw water inlet to the treatment plant is about 320 feet, so there is considerable hydraulic energy available for recovery.	5/21/2011	12/31/2013		
815	Seismic Upgrade of Hayward Fault Crossings	Water Supply	Alameda	ACWD	Strengthen critical large diameter pipe segments crossing the Hayward Fault.	1/9/2012	12/31/2014		
816	New Aquifer reclamation Program well	Ground Water Supply	Alameda	ACWD	Installation of a new aquifer reclamation program well in coastal aquifer to remove chlorides from a potable aquifer, introduced through historic salt water intrusion.		1/1/1900		
817	Hayward Recycled Water Project	Recycled Water	Alameda	City of Hayward	The Hayward Recycled Water Project involves construction of facilities to treat and deliver up to 3,760 acre feet per year of tertiary treated wastewater to approximately 20 customers for irrigation and industrial use. Location: 3700 Enterprise Ave, Hayward, CA 94545		1/1/1900	Aparna Chatterjee	aparna.chatterjee@hayward-ca.gov

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818	Lawrence Livermore National Laboratory Recycled Water Project	Recycled Water	Alameda	Lawrence Livermore National Labs	This project would provide recycled water to Lawrence Livermore National Laboratory and Sandia National Laboratory for the purposes of landscape irrigation (approximately 112 AFY) and cooling towers (approximately 335 AFY), for total demand of 447 AFY. The recycled water, originating at the City of Livermore's Recycled Water Treatment Plant, also would provide recycled water for landscape irrigation in the new Livermore Valley Open Campus adjacent to LLNL that is currently under development. Along and beyond to the east of the proposed pipeline route are many other potential recycled water customers, including new development, parks, cemeteries and schools.		1/1/1900		
901	Antioch Solids Water Treatment Plant Handling Facilities	Wastewater Treatment	Contra Costa	Antioch	The City of Antioch has completed design of a water treatment plant expansion and construction of new solids handling facilities. Currently, chemically treated sludge, backwash water and filter-to-waste are all deposited in the lagoons for clarification, resulting in potential chemical contamination of nearby surface and groundwater. Development of Solids Handling Facilities will provide a source water quality benefit by reserving the lagoons for stormwater management only and eliminating this potential source of chemical contamination. In addition, the proposed solids handling facilities would allow for water recycling, which is not possible with the current design.		1/1/1900		
902	Brentwood Surface Water Treatment Facility, Phases I and II	Water Treatment	Contra Costa	Brentwood	Phase I of this project consists of the design and construction of a finished water pump station and pipeline that is sized for the ultimate build out of the City. Phase II consists of design and construction of a new surface water treatment facility to treat Brentwood surface water supply. Both of these projects are joint ventures between CCWD and the City.		1/1/1900		
903	Pittsburg Groundwater Study, Well Site Selections, and Design and Construction of two New Municipal Wells and development of a Groundwater Management Plan	Ground Water Supply	Contra Costa	Pittsburg	This project will involve exploration of new groundwater sources andexpansion of groundwater use in the City of Pittsburg to supplement water supply from the Delta. In addition, this project will include development of an AB 3030 Groundwater Management Plan.		1/1/1900		
904	HCP/NCCP Habitat and Watershed Protection and Restoration in Watershed Subbasins of Sand, Briones, Deer and Dry Creeks	Habitat Conservation	Contra Costa	CCCHCP	This project involves protection and/or restoration of approximately 1,500 acres of key habitat for rare, threatened, and endangered. Habitats to be protected and restored include: annual grassland, oak savannah, oak woodland, chaparral, riparian vegetation and streams, permanent wetland, and seasonal wetland.		1/1/1900		
905	Contra Costa Canal Improvement Project	Water Supply	Contra Costa	CCWD	The purpose of this project is to modify portions of the unlined Contra Costa Canal to improve source water quality available to CCWD, increase the flexibility of the SWP and CVP (by removing local degradation that affects the ability of the SWP and CVP to meet water quality standards at Pumping Plant No. 1), improve security and public safety, and to ensure that CCWD's water supply conveyance facilities are compatible with the changing land uses immediately adjacent to the canal. The project area includes the entire 4-mile unlined canal and will be constructed in phases as funding is made available.		1/1/1900		
906	CCWD Alternative Intake ProjectCCWD Alternative Intake Project	Water Supply	Contra Costa	CCWD	The Alternative Intake Project will relocate one of CCWD’s drinking water intakes in the central Delta to provide access to higher quality source water. The relocation will both offset water quality degradation caused by projects that increase pumping in the Delta and help meet CALFED Delta drinking water quality improvement goals. The Alternative Intake Project is a critical water quality project under the CALFED program authorized in the CALFED Bay Delta Authorization Act of 2004 (Title 1 of Public Law 108 361), and will allow the CALFED Program and the Delta Improvement Package to proceed in a balanced fashion.		1/1/1900		
907	Pittsburg Recycled Water Implementation	Recycled Water	Contra Costa	Pittsburg	DDSD recently completed a recycled water supply to City Park, City Hotel, Stoneman Park, and the Delta View Golf Course. master plan for the City of Pittsburg. This Plan included a recommended alternative for implementation which includes improvements designed to provide 615 AFY of recycled water supply to City Park, City Hotel, Stoneman Park, and the Delta View Golf Course.		1/1/1900		
908	Diablo Water District Well Utilization Project Phase 1 and 2	Ground Water Supply	Contra Costa	Diablo Water District	0		1/1/1900		

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909	Ironhouse Sanitary District Wastewater Treatment Plant Upgrade/Expansion Project	Wastewater Treatment	Contra Costa	ISD	ISD recently completed a Wastewater Facilities Plan Update which looked at various alternatives that would allow ISD to expand and upgrade existing facilities to accommodate growth and comply with anticipated discharge requirements. It is ISD's desire to secure a long-term reliable year-round effluent disposal method which is envisioned to include, to some degree, a surface water discharge to the San Joaquin River. The Plan recommended evaluation in the subsequent EIR upgrades to the treatment plant that would allow discharge of treated effluent by means of a combination of land disposal/river discharge or year-round river discharge to the San Joaquin River.		1/1/1900		
1001	East County Water Conservation Program	Water Supply	Contra Costa	#N/A	#N/A		1/1/1900		
1002	East County Water Meter Installation Program (DWD Water Meters)	Water Supply	Contra Costa	DWD	#N/A		1/1/1900		
1003	East County Water Meter Installation Program (CCWD Water Meters)	Water Supply	Contra Costa	CCWD	#N/A		1/1/1900		
1004	East County Water Meter Installation Program (CCWD Water Meters)	Water Supply	Contra Costa	CCWD	#N/A		1/1/1900		
1005	Brentwood Non-potable Water Distribution System	Recycled Water	Contra Costa	Brentwood	#N/A		1/1/1900		
1006	Pittsburg Recycled Water Pipeline Rehabilitation	Recycled Water	Contra Costa	Pittsburg	#N/A		1/1/1900		
1007	Drainage Area 55 - West Antioch Creek Channel Improvements	Creek Restoration/Flood Protection	Contra Costa	Antioch	#N/A		1/1/1900		
1008	Upper Sand Creek Basin Project	Flood Protection	Contra Costa	CCCFCWCD	#N/A		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1009	Watershed Protection and Restoration	Habitat Conservation	Contra Costa	CCCHCP	#N/A		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1101	San Pablo Creek Silt Survey	Flood Protection	Contra Costa	CCCFCWCD	Monitor creek drainage capacity		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1102	San Pablo Creek Sediment Removal	Flood Protection	Contra Costa	CCCFCWCD	Desilt creek downstream of UPRR		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1103	Wildcat Creek Silt Survey	Flood Protection	Contra Costa	CCCFCWCD	Monitor creek drainage capacity		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1104	Wildcat Creek Sediment Removal	Flood Protection	Contra Costa	CCCFCWCD	Desilt creek to maintain drainage capacity		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1105	Wildcat Basin and Channel Desilt	Flood Protection	Contra Costa	CCCFCWCD	Desilt to maintain drainage capacity		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1106	Wildcat and San Pablo Creek Levee Certification	Flood Protection	Contra Costa	CCCFCWCD	Certify Levee Per FEMA requirements		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1107	Wildcat Creek 1135 Program	Habitat Restoration	Contra Costa	CCCFCWCD	Restoration of Habitat		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1108	N. Richmond Pumping Station Retrofit	Flood Protection	Contra Costa	CCCFCWCD	Retorfit and Replumb Storm Water Pumping Station		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1109	USA Corps of Engr. Recon Study of WC/SP Creeks	Flood Protection	Contra Costa	CCCFCWCD	Study to increase creek's capacity		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1110	City of Richmond update to Drainage Plan and Fees	Flood Protection	Contra Costa	CCCFCWCD	Develop Plan and Budgets for Future Projects		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1111	Pinole Creek Sediment Removal	Flood Protection	Contra Costa	CCCFCWCD	Desilt downstream of BNSF		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1112	Pinole Creek 1135 Restoration Project	Habitat Restoration	Contra Costa	CCCFCWCD	USACE 1135 Creek Restoration Project		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1113	Rodeo Creek - Detention Basin near Coke Plant	Flood Protection	Contra Costa	CCCFCWCD	Provide detention, habitat, and flood protect.		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1114	Rodeo Creek Sediment Removal	Flood Protection	Contra Costa	CCCFCWCD	Desilt Creek		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1115	Rodeo Creek Bank Repair	Habitat Restoration	Contra Costa	CCCFCWCD	Bank Repair near Viewpoint Blvd.		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1116	Rodeo Creek Stabilization - Christy Road Sht Piles	Creek Restoration	Contra Costa	CCCFCWCD	Repair eroding bank and stop headcut		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1206	DA46 Grayson/Murderer's Creek Feas. Study	Flood Protection	Contra Costa	CCCFCWCD	Feasibiltiy Study for flood improments		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1207	Grayson Crk Levee Rehab at CCCSD Treatment Plant	Flood Protection	Contra Costa	CCCFCWCD	Raise levee for flood protection		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1208	Grayson Creek Channel Fence Rehabilitation	Flood Protection	Contra Costa	CCCFCWCD	Repair fences and spalling along conc. channel		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1209	Grayson Creek Sediment Removal	Flood Protection	Contra Costa	CCCFCWCD	Desilt Creek from Hwy 4 to Chilpancingo Pkwy		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us

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1210	Report for Lower Walnut Creek Restortation Project	Flood Protection	Contra Costa	CCCFCWCD	In-kind services to support Corps Reevaluation Rpt		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1213	Plan, Coord., and Dev. Danville Drainage Area Plan	Flood Protection	Contra Costa	CCCFCWCD	Implement a Drainage Plan for Town of Danville		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1214	Update Drainage Area 13 Plan for Western Alamo	Flood Protection	Contra Costa	CCCFCWCD	Update DA13 Drainage Plan		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1216	Pine Creek Dam Assessment	Flood Protection	Contra Costa	CCCFCWCD	Assess Pine Creek Dam to meet DSOD Standards		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1217	Drainage Area 67 - Tice Creek Bypass	Flood Protection	Contra Costa	CCCFCWCD	Complete 66in. bypass pipe to Tice Valley Blvd		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1218	Walnut Crk Sediment Removal - CVD to Drop 1	Flood Protection	Contra Costa	CCCFCWCD	Desilt from Clayton Valley Drain to Drop Str. 1		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1219	Walnut Crk Levee Rehabilitation at Buchanan Field	Flood Protection	Contra Costa	CCCFCWCD	Raise existing levees		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1220	Kubicek Basin Sediment Removal	Flood Protection	Contra Costa	CCCFCWCD	Determine Basin Cap. and Sediment Amt.for Removal		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1221	Pine Creek Reservoir - Sediment Removal	Flood Protection	Contra Costa	CCCFCWCD	Regain Storage Capacity		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1222	San Ramon Ceek Sediment Removal	Flood Protection	Contra Costa	CCCFCWCD	Desilt Downstream of San Ramon Crk Bypass		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1223	Ygnacio Valley Drain Bank Repair	Flood Protection	Contra Costa	CCCFCWCD	Bank Repair at various location		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1224	Galindo Creek Improvements	Flood Protection	Contra Costa	CCCFCWCD	Construct Stormwater Detention Basin		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1225	Green Valley Creek Improvements up to 1st Crossing	Flood Protection	Contra Costa	CCCFCWCD	Creek improvements up to 1st Crossing of Diable Rd		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1226	Green Valley Creek Imprvts upstream of 2nd Cross	Flood Protection	Contra Costa	CCCFCWCD	Creek imprvts u/s of 2nd Crossing of Diable Rd		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1227	Green Valley Bank Repair	Flood Protection	Contra Costa	CCCFCWCD	Repair toe erosion		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1301	Construct 595LF of 84in storm drain	Flood Protection	Contra Costa	CCCFCWCD	existing 60 undersized and in poor condition		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1302	DA55 Culvert at 10th St	Flood Protection	Contra Costa	CCCFCWCD	Construct quad culvert; replace exist. arch culvt		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1303	DA55 Creek Improvement - L St. to 10th St.	Flood Protection	Contra Costa	CCCFCWCD	Upgrade existing channel to handle 100yr storm		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1304	West Antioch Creek Improvement at Hwy 4	Flood Protection	Contra Costa	CCCFCWCD	Construct 3 RCB under Hwy 4		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1305	Fitzuren Rd - Remainder Parcel	Flood Protection	Contra Costa	CCCFCWCD	Prepare conceptual plans for remaining parcel		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1306	East Antioch Creek - Wetland Restoration	Habitat Restoration	Contra Costa	CCCFCWCD	Construct marsh and floodplain habitat		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1307	Oakley and Trembath Detention Basins	Flood Protection	Contra Costa	CCCFCWCD	Design and Construct two detention basins		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1308	Lindsey Basin Finalization Tasks and R/W Transfers	Flood Protection	Contra Costa	CCCFCWCD	Develop O&M Manual, R/W transfer to Antioch		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1309	Develop Revenue Generating Sites at Lindsey Basin	Flood Protection	Contra Costa	CCCFCWCD	Develop remaining parcels at Lindsey Basin		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1310	Complete Restoration Plan for Marsh Crk Reservoir	Flood Protection	Contra Costa	CCCFCWCD	Develop and Complete Restoration Plan		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1311	Study Marsh Crk Reserv. emergency plan	Flood Protection	Contra Costa	CCCFCWCD	Study emergency spillway discharges vs storm freq		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1312	Complete Geotech. Investign of Marsh Crk Reservoir	Flood Protection	Contra Costa	CCCFCWCD	Complete Geotech. work for possible expansion		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1313	Execute Restoration Plan for Marsh Crk Reservoir	Flood Protection	Contra Costa	CCCFCWCD	Follow through on Restoration Plan for Reservoir		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1314	Execute Expansion & Rehab of Marsh Crk Reserv.	Flood Protection	Contra Costa	CCCFCWCD	Execute Expansion & Rehab of Marsh Crk Reserv.		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1315	Marsh Creek Capacity Development	Flood Protection	Contra Costa	CCCFCWCD	Place another basin to reduce peak flows dwnstrm		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1316	Marsh Crk Channel Widening near Dainty Ave	Flood Protection	Contra Costa	CCCFCWCD	Widen Marsh Crk betwn Dainty Ave and Sand Crk Rd		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1317	Deek Crk Reservoir Expansion	Flood Protection	Contra Costa	CCCFCWCD	Increase the storage capacity of Reservoir		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1318	Deek Crk Reserv. - Right of Way Acquisition	Flood Protection	Contra Costa	CCCFCWCD	Acquire property for Deer Crk Basin Expansion		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us

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1319	Marsh Crk Fish Passage Improvement	Habitat Restoration	Contra Costa	CCCFCWCD	Participate in Fish Ladder Improvement		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1320	Upper Sand Creek Advance Excavation	Flood Protection	Contra Costa	CCCFCWCD	Excavate USCB cut volume prior to construction		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1321	Upper Sand Crk Basin Construction	Flood Protection	Contra Costa	CCCFCWCD	Construct Detention Basin		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1322	Lower Sand Creek Basin Construction	Flood Protection	Contra Costa	CCCFCWCD	Construct Detention Basin		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1323	Sand Creek FEMA Floodplain Map Update	Flood Protection	Contra Costa	CCCFCWCD	Submit CLOMR/LOMR once basins are constructed		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1324	Knghtsen Wetland Biofilter	Flood Protection	Contra Costa	CCCFCWCD	Design and Construct Wetland Biofilter		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1325	DA109 Kellogg Crk Project Development	Flood Protection	Contra Costa	CCCFCWCD	Relook and develop future improvement		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
1326	Kellogg Crk Sedimentation Basin	Flood Protection	Contra Costa	CCCFCWCD	Construct Sed.Basin at mouth of Kellogg Crk		1/1/1900	Paul Detjens	pdtej@pw.cccounty.us
2000	Habitat Restoration of Mt. Diablo Creek	Habitat Restoration	Contra Costa	Friends of Mount Diablo Creek	Restore Mount Diablo Creek		1/1/1900	Paul Choisser	pacchoisser@yahoo.com
2001	DOW Wetlands	Restoration/Education	Contra Costa	DOW Chemical Wetlands Team			1/1/1900		kjteam@comcast.net; mschweickert@losmadanos.edu
2002	San Leandro Creek Greenway	Creek Restoration	Alameda and Contra Costa	Merritt College	Greenway trail through 6.3 miles of Oakland and San Leandro connecting the Bay Trail to the Ridge Trail and Regional Trails including restoring water flow & restoration of channel and banks and native Salmonid population		1/1/1900	Robin Freeman	rfreeman@peralta.edu
2003	Pinole Creek Goat Grazing Study	Flood Protection	Contra Costa	CCCFCWCD	Study the use of goats for vegetation management and monitor the water quality impacts.		9/1/2009	Cece Sellgren	csell@pw.cccounty.us
2004	Bay Point Hydrology Study	Flood Protection	Contra Costa	SFEP					
2005	Pinole Treatment Plant Protection and Creek Restoration	Creek Restoration/Flood Protection	Contra Costa	City of Pinole CCC Flood Control District	Enhance levees along the shoreline and Pinole Creek tat the Pinole Wastewater Treatment Plant to provide flood protections to the treatment plant and prevent spills during high storm events. Include shoreline restoration and marsh plain/floodplain and riparian restoration on Pinole Creek as part of the project.		1/1/1900	Mitch Avalon	maval@pw.cccounty.us
2006	Adopt-A-Creek-Spot (Zone 7 - Springtown)	Creek Restoration/Education	Alameda	RCD, Zone 7, Cit	Involve community and youth in stream clean-ups, revegetation and invasive weed control at several spots in Eastern Alameda County. Can be expanded.		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov
2007	Adopt-A-Spot (ACFCD - Alameda Creek, Niles)	Creek Restoration/Education	Alameda	RCD, ACFCD	Involve community and youth in stream clean-ups, revegetation and invasive weed control		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov
2008	Adopt-A-Spot (ACFCD - Bay Trees Park, Castro Valley)	Creek Restoration/Education	Alameda	RCD, ACFCD	Involve community and youth in stream clean-ups, revegetation and invasive weed control		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov
2009	Adopt-A-Spot (ACFCD - Old Alameda Creek, Union City)	Creek Restoration/Education	Alameda	RCD, ACFCD	Involve community and youth in stream clean-ups, revegetation and invasive weed control		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov
2010	Agricultural Riparian Buffer and Habitat Enhancement	Creek Restoration/Education	Alameda	RCD, SAGE, SFPUC	Invasive species removal and control, maintenance of native hedgerow buffer and educational activities at innovative Sunol AgPark		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov
2011	Arundo Project	Creek Restoration	Alameda	RCD, NRCS, WMA,	Inventory, mapping, prioritization and eradication of Arundo hotspots		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov
2012	Creek Signage	Education	Alameda	Alameda Creek Wa	Outreach and education of community by signing streams at road crossings		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov
2013	Habitat Easements	Watershed Mgmt/Protection	Alameda	RCD, SFPUC	Voluntary conservation easements on private lands to protect water quality, riparian, wetland and species habitats. Protection of natural resources, open space and critical watershed lands.		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov
2014	Ponds Program	Habitat Restoration	Alameda	RCD, NRCS	Map and inventory critical pond habitat for several of the Subregion's listed species. Evaluate connectivity, species and predator presence. Prioritize pond restoration projects for implementation. Provide permit coordination and technical support and		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov
2015	Riparian Invasive Removal	Creek Restoration	Alameda	RCD, others	Invasive species removal and control along severely impacted riparian reaches.		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov
2016	Stoneybrook Creek Fisheries Restoration	Fish Passage	Alameda	Various, County,	Restore fish passage to steelhead stream identified as 'essential' to fisheries restoration efforts in Bay Area.		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov
2017	Stream Conservation Strategy	Watershed Mgmt/Protection	Alameda	RCD, NRCS	Step 1: Baseline inventory of stream status and health. Step 2: Identify priority watersheds and streams. Community outreach. Step 3: Voluntary restoration and permanent protection of riparian areas.		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov
2018	Streambank and Habitat Restoration Projects	Creek Restoration	Alameda	Various, RCD, NR	Restore geomorphic, habitat and/or water quality functions of riparian reaches, particularly as opportunities are identified in ACHE		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov
2019	Sycamore Revegetation Trials	Habitat Restoration	Alameda	RCD, NRCS	Implement pilot revegetation efforts at locations identified in ACHE based on observations of reference streams that are experiencing successful sycamore regeneration		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov

Projects in the East Subregion of the Bay Area Integrated Retional Water Management Planning Region

Project_ID	Project	Project_Type	County	Organization	Description	Beginning	Ending_Dat	Contact	Contact_email
2020	Water Quality BMPs - Agricultural and Streamside Landowners in Alameda Creek Watershed	Watershed Mgmt/Non-Point Source Pollution	Alameda	RCD, NRCS	Outreach, planning and implementation of voluntary water quality BMPs with landowners through technical workshops, pilot projects and peer-education. Could include rangeland, ranchettes, equine, and rural road owners.		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov
2021	Water Quality BMPs - Agricultural and Streamside Landowners in San Lorenzo Creek Watershed	Watershed Mgmt/Non-Point Source Pollution	Alameda	RCD, NRCS	Outreach, planning and implementation of voluntary water quality BMPs with landowners through technical workshops, pilot projects and peer-education. Could include rangeland, ranchettes, equine, and rural road owners.		1/1/1900	Katie Bergmann	katie.bergmann@ca.usda.gov
3000	Friends of Orinda Creeks	Group	Contra Costa	Friends of Orinda Creeks	Creek Advocacy Group		1/1/1900		info@orindacreeks.org
3001	New LEAF - A sustainable Living Collaborative	Group	Contra Costa	New LEAF	Various projects for education		1/1/1900		lcastilla@martinez.k12.ca.us
3002	Watershed Planning for Wildcat, Rheem, and Garity Creeks	Restoration/Education	Contra Costa	The Watershed Project			1/1/1900		juliana@thewatershedproject.org
3003	Trash Abatement & Prevention Partnership	Group	Contra Costa	The Watershed Project			1/1/1900		juliana@thewatershedproject.org
3004	Parents for a Safer Environment	Group	Contra Costa	Parents for a Saver Environment			1/1/1900		
3005	Dry Garden	Group	Contra Costa	The Ruth Bancroft Garden			1/1/1900		
3006	Heather Farms Habitat Conservation	Group	Contra Costa	Gardens at Heather Farms			1/1/1900		