Water Boards' Statewide 2020 Potential Supplemental Environmental Projects (SEP) List

Water Board Region	Project Proposal Name	Applicant Organization or Entity	Organization Address	Contact Person and Information	Project Summary	Project Category	Location of Project	Estimated Cost (in $)	Expected Benefits	Potential to Benefit a Disadvantaged Community?	Potential to Benefit Human Right to Water?
1	Various			Diana Henrioulle Diana.Henrioulle@waterboards.ca.gov	See list of potential projects here (as of 2020): https://www.waterboards.ca.gov/northcoast/water_issues/programs/enforcement/pdf/191224/3.1%20Attachment%203a%20SEP%20list.pdf		North Coast Region		Various		
2	Various	San Francisco Estuary Partnership	375 Beale Street, Suite 700 San Francisco, CA 94105	Darcie Luce, (darcie.luce@sfestuary.org) 415-778-6673	See list of potential projects here (as of 2019): https://www.waterboards.ca.gov/sanfranciscobay/board_decisions/pending_enforcement/PotentialSEPProjects_050218.pdf	Various	San Francisco Bay	Varies	Various		
3	Region 3 SEP Draft Resolution	TO BE DETERMINED	TO BE DETERMINED	Thea Tryon Thea.Tryon@waterboards.ca.gov	No specific projects at this time. Region 3 continues to work with the Office of Enforcement and the State Water Board to adopt a resolution governing the proposed continued use of the Bay Foundation of Morro Bay to facilitate the implementation of high priority projects.	TO BE DETERMINED	TO BE DETERMINED	TO BE DETERMINED	TO BE DETERMINED	TO BE DETERMINED	TO BE DETERMINED
4	Water LA Residential Stormwater Parkway Retrofits	The River Project	3912 Laurel Canyon #208, Studio City, CA 91604	Melanie Winter winter@theriverproject.org (808) 980-9660	The River Project pioneered residential stormwater parkway basins through their Water LA program. Twenty have been implemented in the Upper Los Angeles River Watershed to date with the support of previous SEP funds. Modeling shows these 20 parkway basins with curb cuts are capturing and infiltrating to groundwater ~3.2AFY, effectively treating a variety of stormwater pollutants, increasing habitat, and mitigating local flooding. Unit costs per retrofit average $3,000 when implemented at the neighborhood scale. Between January 2016 and October 2019, The River Project plans to implement 1,000 more in the ULAR as part of the Water LA Phase 2 project. SEP funds would support implementation of these, and/or assist in expanding implementation to other impaired subwatersheds in the region.	Infrastructure Upgrades (Stormwater infiltration); Pollution Prevention/Reduction	Los Angeles River	approx. $3,000 per retrofit	Improved stormwater infiltration and quality of water for groundwater recharge; creation of green space.	Yes	No
4	South LA Green Alleys	The Trust for Public Land	135 West Green Street, Pasadena, CA 91105	Natalia Gaerlan Natalia.Gaerlan@tpl.org (323) 223-0441	The City of LA has 900 linear miles of alleys, providing an incredible opportunity to integrate green infrastructure to improve environmental and community health. The Trust for Public Land in partnership with Los Angeles Bureau of Sanitation are developing green alleys in order to deliver environmental and social benefits to dense and disadvantaged neighborhoods in South LA. Green alleys decrease the urban heat-island effect and facilitate the absorption and treatment of stormwater and dry weather runoff through light-colored pervious paving and plantings combined with dry wells, swales, and other stormwater BMPs. Environmental benefits include measurable improved groundwater recharge, flood control, increased water quality, reduced heat island effect and expanded wildlife habitat. Community benefits include opportunities for outdoor recreation and increased green spaces in park poor neighborhoods. After an extensive participatory design process, The Trust for Public Land completed its first green alley in its Avalon Green Alley Network demonstration project in 2015 and released a South Los Angeles Green Alley Master Plan that same year with the Los Angeles Bureau of Sanitation. The Master Plan identifies five potential alley networks in South LA for future green alley redevelopment, prioritized based on hydrologic function and impaired water quality that could be addressed through the capture and treatment of stormwater runoff. Estimated cost: cost per acre of neighborhood = $104,926; cost per drainage area acre = $501,011; cost per sf of green alley = $137.65. Each alley network takes 2 years to complete.	Infrastructure Upgrades (Stormwater infiltration); Pollution Prevention/Reduction	Los Angeles River	Varies	Improved stormwater infiltration and quality of water for groundwater recharge; creation of green space.	Yes	No
4	South Gate Urban Orchard	The Trust for Public Land	135 West Green Street, Pasadena, CA 91105	Robin Mark Robin.Mark@tpl.org (323) 223-0441	The Trust for Public Land and partners including the City of South Gate and the Council for Watershed Health are currently working on the planning phase for the development of 30 acres of unused, vacant land between the I-710 Freeway and the LA River in in the City of South Gate into new, critically-needed green infrastructure and an urban park. The project, located in a disadvantaged community with little access to park space will include a community garden, natural stormwater treatment, and over one mile of riverfront paths. Funding is needed for the development phase of this project. Between $1 million and $9 million is required, for construction of different project components. Please contact The Trust for Public Land for more information.	Infrastructure Upgrades (Stormwater infiltration); Pollution Prevention/Reduction	Los Angeles River	$1 -$9 million	Improved stormwater infiltration and quality of water for groundwater recharge; creation of green space.	Yes	No
4	Los Angeles River & Aliso Creek Confluence Green Infrastructure Project	The Trust for Public Land	135 West Green Street, Pasadena, CA 91105	Robin Mark Robin.Mark@tpl.org (323) 223-0441	The second phase of the larger Los Angeles River & Aliso Creek Confluence Project, located in densely urban Reseda, will provide water quality benefits to the LA River through the implementation of green infrastructure low impact design (LID) elements at three street ends adjacent to the LA River. By replacing over 5,000 s.f. of pavement with permeable pavement, over nine million gallons of stormwater will be captured and treated before entering the sub-drains in the pavement, which will convey the 'pre-filtered' stormwater into a cascading series of 8-12 vegetated bioretention planters at three street ends. Any water not used for irrigation will be released to the river. These BMP design features, identified in the LA River Revitalization Master Plan, will increase surface water quality and increase non-potable reuse of stormwater. The Project will also provide the neighborhood with new public access to the river with a new 0.25-mile green walkway along the river. The project budget is $1,662,000 for the entire project, which will take four years to complete.	Infrastructure Upgrades (Stormwater infiltration); Pollution Prevention/Reduction	Los Angeles River	1,662,000	Improved stormwater infiltration and quality of water for groundwater recharge; creation of green space.	Yes	No
4	Beverly Storm Water Capture Project	The Trust for Public Land	135 West Green Street, Pasadena, CA 91105	Paolo Perrone Paolo.Perrone@tpl.org (323) 223-0441	The Trust for Public Land (TPL) is working to acquire 19.06 acres of private, vacant land within a disadvantaged community in the City of Pico Rivera for development into a public stormwater park, to be owned and maintained by the Lower Los Angeles and San Gabriel River and Mountains Conservancy (RMC). The site is adjacent to the 605 Freeway and the San Gabriel River and captures runoff from the 605 Freeway. A unique partnership with the Water Replenishment District of Southern California will allow for the joint use of the property for groundwater injection of treated water from their nearby water recycling facility. Following acquisition, TPL will work with partners and the local community to further develop the site for stormwater capture and infiltration benefits, as well as recreational opportunities including walking trails, ball fields and a skate park.	Infrastructure Upgrades (Stormwater infiltration); Pollution Prevention/Reduction	Los Angeles River	$250,000 (first acquisition)	Improved stormwater infiltration and quality of water for groundwater recharge; creation of green space.	Yes	No

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4	BMP Education and Implementation for Equestrian Facilities in the Ventura River Watershed	Ventura County Resource Conservation District	3380 Somis Road, Somis, CA 93066	Lexi Everhart lexieverhart.vcrcd@gmail.com (805) 764-5135	The Ventura County Resource Conservation District's (VCRCD) Storm Water Quality Best Management Practices (BMP) Program has and continues to address the Algae, Eutrophic Conditions, and Nutrients Total Maximum Daily Load (TMDL) for the Ventura River Watershed. The program's primary focus is the mitigation of storm water runoff from horse and livestock facilities in Ventura County through outreach, education, technical expertise, and BMP installation. VCRCD offers complimentary site visits and site-specific Nutrient Management Plan recommendation reports to horse and livestock owners for the purpose of improving their manure management practices. Over the past few years, the Storm Water Quality Program has assisted about a dozen landowners and/or facility managers, representing over 800 acres of property and nearly 500 livestock animals. To date, the program's site visits have resulted in the potential mitigation of nearly 3,000 tons of manure from the Ventura River. Funds are being requested for VCRCD staff to enhance the program's education and outreach efforts, conduct site visits, and to provide 15 horse and livestock owners cost-share opportunities to install or construct BMPs on their properties. BMPs include composting infrastructure, manure bunkers, filter strips, roof drainage, and more. The cost-share opportunity would only cover equipment costs; labor and permitting is the responsibility of the landowner. VCRCD believes that increased education, outreach, and cost-share funds for BMP implementation will incentivize local facility owners to make timely manure management practice improvements before the onset of upcoming regulation.	Studies/Investigations	Ventura River	365,000	Improved knowledge of the mitigation of storm water runoff from horse and livestock facilities.	Yes	No
4	Sources and Cycling of Nutrients in Malibu Creek Watershed	Los Angeles County Department of Public Works	900 S. Fremont St., Alhambra, CA 91803	Giles Coon gcoon@dpw.lacounty.gov (626) 458-7141	The proposed project will be a study performed by the United States Geological Survey to identify sources, fate, and transport of nutrients within the Malibu Creek Watershed. It will evaluate all identified nutrient sources including septic systems, natural sources (such as the Monterey Formation), and recycled water. The project is set to begin in late 2017 and conclude in 2019.	Studies/Investigations	Los Angeles County Coastal	$1.9 million	Improved knowledge of the sources, fate, and trasport of nutrients within the Malibu Creek Watershed.	No	No
4	Arundo Removal and Restoration in Little Tujunga Canyon	Council for Watershed Health	700 Alameda St # 8, Los Angeles, CA 90012	Wendy Ramallo, Executive Officer (wendy@watershedhealth.org) 213-229-9945	The proposed restoration project will remove Arundo donax (giant reed) from private land in Little Tujunga Canyon on the north side of San Fernando Valley. Arundo invasions eventually destroy riparian habitat by usurping groundwater and sunlight and by increasing flammability of riparian corridors, which together stress/kill existing native trees and prevent establishment of new seedlings. The impenetrable thickets also constrict flood flows on river channels and have no value to wildlife. Riparian habitat is a precious limited resource in the LA River watershed because most stream courses have been channelized. A regional goal of eradicating Arundo must include the highest upstream infestations in all tributary canyons. More locally, Arundo allowed to remain on private land in these tributary canyons will re-infest adjacent public land where Arundo has been removed, including the Hansen Dam Recreation Area and Angeles National Forest. Private land containing Arundo is adjacent to public natural areas where Arundo control already has been initiated. Regrowth will be checked and sprayed as needed. A Streambed Alteration Agreement, issued by CA Dept. Fish & Game in November 2009 (expires November 2014), authorizes work on Arundo and exotic vegetation removal impacting the LA River and tributaries in LA County.	Habitat Restoration/Enhancement	Los Angeles County (Little Tujunga Canyon on the north side of San Fernando Valley)	$9,000 per acre	Improved natural habitat through control of invasive species.	No	No
4	Ballona Creek Watershed Water Quality Monitoring	Santa Monica Baykeeper	120 Broadway, Suite 105, Santa Monica, CA 90401	Bruce Reznik (bruce@lawaterkeeper.org) 310-394-6162 x100	Santa Monica Baykeeper's Water Quality Monitoring Program is focused in part on identifying and addressing sources of pollution that impact Ballona Creek, and ultimately the Santa Monica Bay and the millions of people who frequent Los Angeles County beaches each year. Over its 15-year history, the water quality monitoring program has taken a holistic approach, conducting coastal and riparian restoration and cleanup projects that improve the overall environmental and public health conditions of the coastal ecosystems. The project will continue to utilize community volunteers and school programs to assess water quality in Ballona Creek and tributaries. Through monthly monitoring and testing the project will identify potential pollution sources and address them in a systematic way. The water quality monitoring program is comparable to EPA's Surface Water Ambient Monitoring Plan with a Quality Assurance Project Plan that insures high quality data is collected by trained volunteers that's used to educate the public and local and state water agencies. Success of the project will be measured by volunteer recruitment, completeness and quality of data, and raised awareness of water conditions and pollution sources. This project has a one year time line and a funding request of $50,000.	Monitoring Programs	Los Angeles County (Ballona Creek)	$50,000	Improved knowledge of water quality in Los Angeles County beaches.	No	No
4	Bouquet Canyon Creek Restoration/Erosion Control	City of Santa Clarita	23920 Valencia Boulevard #120, Valencia, CA 91355 (City Hall)	Heather Merenda (hmerenda@santaclarita.com) 661-286-4098	Three acres of City owned Bouquet Canyon Creek property is in desperate need of restoration. Concrete lined above and below, heavy flows during rain events are severely eroding the creek bank. This is creating a hugely accelerated erosion problem, creating sediment pollution. The bank has mature trees with exposed root systems that will eventually collapse. The bank undercutting will eventually reach a sewer line over time. The City seeks to expand some of the area for inundation and use bioengineering techniques to help prevent the further undercutting of erosion. The City expects the restoration and bioengineering design, permitting, and restoration work to cost $275,000. The expected timeline would be 18 months to completion, depending on when the funding was received. For example, this work would need to be completed in the August - October timeline. Design work may be completed and need to wait for appropriate field conditions (outside rainy season and most nesting) to initiate the project.	Habitat Restoration/Enhancement; Waterbody Protection/Restoration	Los Angeles County (Bouquet Creek Canyon, Santa Clarita)	$275,000	Restoration of Bouquet Canyon Creek.	No	No

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4	Central Ditch-Dole Property McGrath Lake BMP project	Ventura County Resource Conservation District	3380 Somis Rd, Somis, CA 93066	Marty Melvin (marty.melvin@vcrcd.org) 805-764-5137	Agricultural runoff flows into the Central Ditch which feeds directly into McGrath Lake, near the mouth of the Santa Clara River. Improving upstream water quality will help with concerns about legacy pesticides and algal growth in the lake. We are proposing the following technologies in and adjacent to the Central Ditch: further nutrient management, irrigation management technologies, vegetated ditch/channel to absorb nitrates and reduce sediment load, hedgerows, recapture and recycling of tile drain water, headwalls at roads to reduce the amount of soil from sloughing off of the banks into the ditch. The landowner/tenant would furnish additional labor and irrigation costs. The milestones and estimated timeframe include: Month 3—install tile drain recirculation system into sediment basins; Month 6--obtain specialty seed and liners (recommended by NRCS); Month 9--shape & install headwalls, Month 12-- install temporary irrigation for vegetating banks, hydro seed banks, install 2nd tile drain recirculation system into tank; and at Year 2—establish vegetation. Water quality is already being monitored by the Water Board at the upstream end of the Lake and should confirm the efficacy of this project. Additionally, the project could be used as a demonstration site for educational tours.	Waterbody Protection/Restoration	Ventura County (McGrath Lake, Oxnard)	$125,000	Improved water quality upstream of McGrath Lake.	Yes	No
4	City Facility Parking Lot Low Impact Development Facelift	City of Santa Clarita	23920 Valencia Boulevard #120, Valencia, CA 91355 (City Hall)	Heather Merenda (hmerenda@santaclarita.com) 661-286-4098	This project seeks to demonstrate some of the parking lot low impact development concepts at a parking lot at a City facility. Due to the significant number of pollutants of concern, heavy traffic patterns, and space limitations in retrofitting parking lots, these efforts are often avoided as much as possible. This project would demonstrate how retrofitting the parking lot could increase the aesthetics of a property in addition to treating urban runoff that typically flows from these properties. There are three distinct project phases that this project would entail, which would likely take 12 - 16 months each. However, if multiple sources of funding were available concurrently, the project timeline could be blended. Phase 1 - 5,000 square feet Porous Concrete - $120,000. Phase 2 - 5.000 square feet Permeable Pavers - $145,000. Phase 3 - Infiltration Planters and Post Infiltration Treatment - $88,500.	Infrastructure Upgrades (Stormwater infiltration); Pollution Prevention/Reduction	Los Angeles County (Santa Clarita)	Varies from $88.5k to $145k	Improved stormwater infiltration and quality of water for groundwater recharge.	No	No
4	Coastal Habitat Restoration	Los Angeles Conservation Corps	1021 N. Harbor Drive, Redondo Beach, CA 90277	Maria Madrigal (mmadrigal@lacorps.org) 310-318-7432	The proposed project restores three acres of coastal dune habitat along Santa Monica Bay. The goal is to replace invasive ice plant with plants grown from local seed source cultivated at the LA Conservation Corps' SEA Lab native plant nursery. This project will benefit water resources in two ways: by reducing water runoff along the bluffs it will lessen the amount of debris and pollutants entering the ocean, soil health will be restored to historic conditions, and the need for continual irrigation will be lessened. This project has a regional application in that it supports a network of native habitat pockets/islands. SEA Lab has restored 11 acres of coastal habitat and its nursery supplies vegetation for multiple community projects. The project fulfills portions of the Beach Bluffs Restoration Project Master Plan, which has received support from individuals, organizations, and government agencies. We will collaborate with the Santa Monica Bay Restoration Commission to monitor the success of our project. Over two years, 9,000 native plants will be installed, three acres of invasive vegetation will be removed to restore the habitat, and 500 hours of student and community training will take place at a cost of $255,000.	Habitat Restoration/Enhancement	Los Angeles County (Santa Monica Bay)	$255,000	Improved natural habitat through control of invasive species.	No	No
4	Compton Creek Monitoring Program	Heal the Bay	1444 9th St, Santa Monica, CA 90401	James Alamillo (jalamillo@healthebay.org) 310-451-1500 x115	Heal the Bay has conducted water and sediment sampling throughout the 5.8 mile, day-lighted portion of Compton Creek since 2006. Heal the Bay's program is based on a monitoring plan found in the 2005 Compton Creek Watershed Management Plan. The water and sediment quality constituents analyzed through this monitoring plan include metals, nutrients, PAHs, conventional parameters, and occasionally organo-chlorines. Our data has demonstrated that water quality is often impacted by zinc, ammonia, and pH. As for sediment, Compton Creek was impacted by metals (cadmium, copper, lead, and zinc), Organo-chlorines compounds, and PAH compounds. To continue these efforts, Heal the Bay proposes a two year water and sediment quality monitoring program to be conducted quarterly (8 total sampling events) at 6 to 10 sites along Compton Creek.	Monitoring Programs	Los Angeles County (Compton Creek)	$65,000	Improved knowledge of water quality in Compton Creek.	Yes	No
4	Floodplain Habitat Restoration	Ojai Valley Land Conservancy	370 Baldwin Rd, Ojai, CA 93023	Brian Stark, Executive Director (brian@ovlc.org) 805-649-6852	The Floodplain Habitat Restoration project involves the removal of non-native species such as Giant Reed and the restoration and long term monitoring of native vegetation in the floodplain of the Ventura River and its tributaries. The flows and water quality in the Ventura River and its tributaries will benefit from the removal of high water use non-native plants such as Giant Reed, and the growth of native vegetation and natural wetland areas which can attenuate floods and help remove pollutants from water. The milestones or metrics for this project are the number of acres treated. The cost can average $50,000 per acre and depends on the degree of non-native plant infestation, the number of retreatments necessary, and the need for planting of native plants. The cost includes the hiring of contractors, OVLC staff time managing the project and planting native plants, and/or the cost of the plants and other supplies. The total cost of the habitat restoration project is $2,000,000, but it can be completed in phases, so fines of any amount between $50,000 and $2,000,000 can be utilized for this project, which can be completed in 6 months to 3 years depending on nonnative removal and restoration needs.	Habitat Restoration/Enhancement	Ventura County (Ventura River)	$2,000,000	Improved natural habitat through control of invasive species.	No	No
4	Green Streets	City of Ventura, Public Works Department	336 Sanjon Road, Ventura, CA 93001	Ray Olson, Environmental Manager (rolson@ci.ventura.ca.us) 805-652-4593	Retrofit street medians and sidewalk parkways in key locations throughout Ventura to capture treat and infiltrate urban stormwater runoff from city streets during the dry season. Treatment will be achieved through bioswales with native vegetation and other landscape features. Project also includes public outreach component to educate residents on value of green streets. Outreach will broadcasts on the local community access TV station, web-based broadcasts and information, and a self-guided tour brochures to the various locations.	Infrastructure Upgrades (Stormwater infiltration); Pollution Prevention/Reduction	Ventura County (Ventura)	$565,000	Improved stormwater infiltration and quality of water for groundwater recharge.	Yes	No

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4	Hollydale Drain Diversion, Infiltration System, and Park	City of Downey, California	11111 Brookshire Avenue, Downey, CA 90241 (City Hall)	Gerald Greene (ggreene@downeyca.org) 562-904-7112	The Hollydale storm drain services several square miles of southwest Downey along with an adjacent area of the City of South Gate. Hollydale Park, located upstream of its confluence with the LA River, has received limited attention/development support because 1) only limited portions of South Gate are East of the LA River and 2) residents most likely to utilize the park live in the cities of Paramount and Downey. Depending on available funding, this SEP proposes construction of a simple dry weather diversion or extensive cistern under the park (similar to the 8 Acre Foot facility located under the City of Downey's Discovery Park) to accommodate dry and potentially some wet weather flows, then construct an active sports facility (ex. Soccer fields) above the cistern. The project costs are flexible (could be incrementally planned to correlate with future ACLC assessment opportunities) and range from a few hundred thousand dollars for a pumped diversion, to many millions for a large cistern and athletic field complex. The project timeframe varies, where a simple diversion could be completed within about 12 months, while a large cistern and sports complex might take several years to negotiate and construct.	Infrastructure Upgrades; Pollution Prevention/Reduction	Los Angeles County (Hollydale Park, South Gate)	Varies from few hundred thousand to several million dollars	Increased community green space and pollution prevention/reduction in flows to the ocean.	Yes	No
4	LID Performance Monitoring	Council for Watershed Health	700 Alameda St # 8, Los Angeles, CA 90012	Wendy Ramallo, Executive Officer (wendy@watershedhealth.org) 213-229-9945	This project will monitor the performance of various low impact development best management practices that are already installed throughout the watershed within public parks, public right-of-ways, and on private properties to gain a better understanding of the ability of these practices to improve water quality and increase groundwater recharge and additional benefits. The focus will be on evaluating green infrastructure projects such as Elmer Avenue to determine the effectiveness and gain information on the applicability of these types of solutions throughout the watershed. Tasks include: identifying eligible projects, developing monitoring plan, implementing sampling, and reporting results. This project will take approximately 3 years and is estimated to cost between $300,000-$500,000.	Monitoring Programs	Los Angeles County (Los Angeles and San Gabriel Rivers Watersheds)	$300,000-$500,000	Improved knowledge of the benefits of low impact developments and stormwater best management practices on water quality and groundwater recharge.	No	Yes
4	Low-Flow Diversion System-wide Improvement Project	County of Los Angeles Dept. of Public Works	900 S. Fremont Ave. Alhambra, CA 91803	Bruce Hamamoto (Bhamamo@dpw.lacounty.gov) (626) 458-5918	This project aims to improve the operational efficiency of the 23 low-flow diversions (LFDs) that the Los Angeles County Flood Control District operates in the Santa Monica Bay, Marina del Rey, and Long Beach Harbor watersheds. This project will include enhanced remote monitoring capabilities, reliability enhancements, standardizations that will streamline maintenance and repair, and development of a database to process the received data, ultimately to help improve the quality of water that drains to the Los Angeles County Beaches. The project will be implemented through two phases – Phase 1: Design, scheduled to begin in 2012 for an estimated cost of $500,000 and Phase 2: Implementation, scheduled for 2013-2014 at an estimated cost of $2,000,000.	Infrastructure Upgrades; Pollution Prevention/Reduction	Los Angeles County (Santa Monica Bay, Marina del Rey, and Long Beach Harbor watersheds)	Varies from $500k to $2 million	Improved low-flow diversion efficiency and pollution prevention/reduction in flows to the ocean.	No	No
4	Malibu Creek Water Quality Monitoring for Southern Steelhead Trout	Resource Conservation District of the Santa Monica Mountains	540 S Topanga Canyon Blvd, Topanga, CA 90290	Rosi Dagi (rdagit@rcdsmm.org) 818-597-8627 x102	Funding is needed to deploy, monitor and maintain several YSI 6600 data sondes (or other probes as available) to continuously monitor dissolved oxygen, pH, conductivity, chlorophyll a, and temperature in Malibu Creek. We would like to also deploy these sondes in Topanga Creek to provide a reference condition. Sondes would be provided by either SCCWRP or local university partners, but cost for staff monitoring, maintenance, materials and data analysis is approximately $18,000 for 7 months (March-October). Documenting water quality conditions in the reach with and without endangered fishes is critical. In 2006, all the fish (native and non-native), in Malibu Creek below Rindge Dam died. A period of high water temperatures and a proliferation of algae were the two unusual factors observed. A suite of variables was studied, but as all the data was collected after the fact, no final conclusion concerning cause was possible. Concern about re-occurrences (fish decline in 2009 and 2011) can only be addressed by consistent monitoring over time. This will provide data on potential causes, and lead to possible prevention of future problems.	Monitoring Programs	Los Angeles County (Malibu Creek, Topanga Creek)	$18,000	Improved knowledge of water quality in Topanga Creek.	No	No
4	Malibu Creek Watershed Stream Team	Heal the Bay	1444 9th St, Santa Monica, CA 90401	James Alamillo (jalamillo@healthebay.org) 310-451-1500 x115	The mission of Heal the Bay's Malibu Creek Watershed Stream Team citizen monitoring program is to cost effectively produce accurate and reliable water chemistry and habitat assessment data that can be used by resource management agencies and citizen groups to protect California's watersheds and aquatic resources. Stream Team uses two powerful monitoring programs to assess watershed heath: water chemistry and bioassessment monitoring. For water chemistry monitoring, teams of trained volunteers led by Heal the Bay staff conduct monthly water quality sampling and lab analyses (parameters include total nitrogen, phosphate, ammonia, turbidity, bacteria, dissolved oxygen and pH). Water chemistry monitoring is conducted monthly at about 20 sites (the number of sites may vary depending on conditions), which totals approximately 240 monitoring events annually. Trained Heal the Bay staff also conduct annual bioassessment monitoring, which involves intensive benthic macroinvertebrate sampling and physical habitat surveys, at 12 sites annually. The benthic macroinvertebrate samples are analyzed for species presence, diversity, and abundance, which provide direct and accurate information about the health of creeks and streams throughout the Malibu Creek Watershed as represented by an Index of Biological Integrity score.	Monitoring Programs; Watershed Assessment	Los Angeles County (Malibu Creek Watershed)	$75,000	Improved knowledge of watershed health through increased monitoring.	No	No

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4	Mapping of Native Riparian Vegetation in the Los Angeles River Watershed	Council for Watershed Health	700 Alameda St # 8, Los Angeles, CA 90012	Wendy Ramallo, Executive Officer (wendy@watershedhealth.org) 213-229-9945	The Los Angeles River has already received much attention and a number of revitalization or restoration plans are in place. However, a systematic assessment for the entire river system that includes photographs, vegetation characterization using state protocols, recreation opportunities, evidence of wildlife use, habitat enhancement opportunities, trash, homeless encampments, existing pocket parks, public art, etc. have not been conducted. The goal of this project is to establish the baseline conditions present along the river system: identifying the need for specific restoration projects/ linear pocket parks and for quantifying restoration progress through time. All information available to date consists of verbal observations, journals, and old photographs, which only allows us to identify needs and measure change quantitatively with poor resolution. As we quantify and digitize current conditions, the data can be viewed, compared, and evaluated with tools such as GIS to calculate changes in a highly detailed and descriptive manner. This project will map riparian habitat in the Los Angeles River Watershed, including habitat along the river and its primary tributaries. The estimated cost of this project is $55,000/year for this two year project. Beneficial uses include: Habitat restoration/enhancement, Wildlife Habitat, and Non-Contact Water Recreation (REC 2).	Waterbody Protection/Restoration	Los Angeles County (Los Angeles River/Los Angeles River watershed)	TBD	Improved knowledge of the Los Angeles River Watershed through surveying and mapping.	No	No
4	Marina del Rey Water Quality Restoration*	Popeye's Pumpout Co.	13900 Panay Way, DS 50, Marina Del Rey, CA90292	Bogdan Mazilu (service@popeyespumpout.com) 213-822-8312	Our company has been actively working towards educating boaters in Marina del Rey to observe clean boating practices while providing mobile holding tank pump out service at customers' docks. While we are offering an important and inexpensive service aiming at making Santa Monica Bay waters cleaner and healthier for public enjoyment, we are surprised at how few boaters are actually using our mobile pump out service or the harbor land stations. In a harbor with almost 5,000 boats in the water, we have only 30 regular customers and a handful of "on call" boaters. We are currently supporting a Santa Monica Bay Keeper program where boaters can take advantage of a one-time free boat pump out in return for a short instruction in clean boating practices. Our SEP would help us promote our services and provide a lot of free holding tank pump outs to the boating community, translating into healing of Marina del Rey waters and lowering harbor water bacterial count. This will help the public enjoy "Mother's Beach" sands many more days every year and change its stigma from one of the most polluted beaches on the west coast to a truly safe and inviting family place.	Outreach/Education	Los Angeles County (Marina del Rey)	TBD	Improved water quality in harbor and outreach/education to boaters.	No	No
4	Monitoring the Impacts of Stormwater Infiltration on Groundwater Quality	Council for Watershed Health	700 Alameda St # 8, Los Angeles, CA 90012	Wendy Ramallo, Executive Officer (wendy@watershedhealth.org) 213-229-9945	This project will evaluate the impacts to groundwater quality from infiltrating stormwater. In 2002 – 2006, The Los Angeles Basin Water Augmentation Study, managed by the Council for Watershed Health, examined groundwater quality in relation to stormwater infiltration at six best management practices (BMPs) across the Los Angeles Region. This project will resume sampling at these groundwater monitoring wells for two years. Resulting data will allow researchers to analyze long-term trends of groundwater quality resulting from the infiltration of stormwater runoff. No comparable research has been performed in the region and the long-term impact of stormwater infiltration is of high interest to many resource managers as the region considers this technique to improve the sustainability of our drinking water supply. Tasks will include sampling at six sites directly following two storms for two storm seasons. A report summarizing the results of the monitoring will be distributed following the project.	Monitoring Programs	Los Angeles County (Los Angeles County/Los Angeles and San Gabriel Rivers Watersheds)	$96,000	Improved knowledge of groundwater quality and supply in the Los Angeles Basin.	No	Yes
4	MS4 Coordination	Council for Watershed Health	700 Alameda St # 8, Los Angeles, CA 90012	Wendy Ramallo, Executive Officer (wendy@watershedhealth.org) 213-229-9945	We will assist LARWQCB, the permittees of Los Angeles County, and the broader stakeholder community, by assigning a half-time watershed coordinator to participate, track and maintain a clearinghouse website for the Municipal Separate Storm Sewer System Permit (MS4) for Los Angeles County (NPDES permit No. CAS004001). Compliance with the permit entails significant collaboration by a large number of permittees, watershed management groups, a Technical Advisory Committee and interested stakeholders. Our watershed coordinator would work with the MS4 management groups, and provide linkages between the MS4 groups, the Greater Los Angeles County Integrated Regional Water Management (IRWM) group, the Gateway Water Management Authority, and others. The proposed scope of work does not include any tasks required by the MS4 permit but will lead to improved outcomes within the MS4 planning process by building linkages to other regional efforts. The Council for Watershed Health proposes to provide a 0.5 FTE watershed coordinator who will attend and track MS4 related meetings, share information between MS4 and IRWM processes, as well as other related workgroups through meeting attendance and reporting, build and maintain a dedicated website for the MS4 process with calendar and news updates, produce a summary symposium at the conclusion of the process to share lessons learned.	Outreach/Education	Los Angeles County	$120,000	Improved knowledge of water quality in Los Angeles County beaches.	No	No
4	Ocean Water Quality Monitoring Program (OWQMP)	County of Ventura Environmental Health Division	800 S. Victoria Avenue, Ventura, CA 93009.	Rebecca Lustig (rebecca.lustig@ventura.org) 805-654-2830 Diane Wall (diane.wall@ventura.org) 805-654-5040	The Ocean Water Quality Monitoring Program (OWQMP) conducts bacteriological monitoring of ocean water at beach locations, many of which are impacted by contaminated runoff from adjacent storm drains, along the 42 miles of Ventura County coastline; posts and/or closes beaches as necessary based upon the outcome of monitoring; provides public information on beach water quality issues through the posting of warning signs, maintaining a website and telephone hotlines, and issuing press releases for beachgoers and other interested parties. The OWQMP monitors these beached on a weekly basis throughout the year.	Monitoring Programs	Ventura County	$215,000	Improved knowledge of water quality in Ventura County beaches.	No	No
4	Oxford Retention Basin Multi-Use Enhancement Project	County of Los Angeles Dept. of Public Works	900 S. Fremont Ave. Alhambra, CA 91803	Bruce Hamamoto (Bhamamo@dpw.lacounty.gov) (626) 458-5918	This project incorporates many improvements to the Oxford Retention Basin and surrounding area. The project will include mitigating potentially toxic sediments in the basin, adding wetland vegetation and functionality for better water quality, and increasing recreational open space and wildlife habitat. The project will also incorporate Low Impact Development type features. Design is scheduled to be completed by 2012-2013 followed by construction in 2013 2015. The total project cost is currently estimated at $13 million.	Infrastructure Upgrades; Pollution Prevention/Reduction; Habitat Restoration/Enhancement	Los Angeles County (Marina del Rey)	$13,000,000	Improved water quality for the Oxford Retention Basin, habitat restoration and added recreational open space.	No	No

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4	Oyster Stock Enhancement in a Santa Monica Bay harbor to reduce total maximum daily loads	Santa Monica Bay Restoration Foundation		Jack Topel (jack.topel@waterboards.ca.gov) 213-576-6647	Southern California harbors are severely impacted by urban runoff, boating related discharges, and other sources of pollution. Oysters act as a natural filter removing suspended solids, excess nutrients, chlorophyll a, and other pollutants from the water column. Santa Monica Bay Restoration Foundation (SMBRF) proposes to implement an oyster stock enhancement project of the only native oyster to Southern California within Santa Monica Bay for the purpose of improving water quality, reducing pollutants, and restoring a healthy ecosystem. This is a three year project that will: 1) Survey and assess Marina del Rey Harbor and King Harbor (Redondo Beach) to catalog the existing oyster populations and recruitment capabilities and gather data via site visits on potential areas to create an oyster bed; 2) Conduct an oyster gardening project with the help of community volunteers; and 3) Create an oyster reed in an intertidal area. The estimated cost of this project including staff time and materials is $23,000. An additional component of this project will be to educate volunteers on the importance of a clean harbor and diverse ecosystem.	Monitoring Programs; Pollution Prevention/Reduction	Los Angeles County (Santa Monica Bay)	$23,000	Improved knowledge of water quality in Marina Del Rey and King Harbors and potential for pollution prevention/reduction.	No	No
4	Parking Lot Stormwater Treatment Retrofit	City of Ventura, Public Works Department	336 Sanjon Road, Ventura, CA 93001	Ray Olson, Environmental Manager (rolson@ci.ventura.ca.us) 805-652-4593	Retrofit an existing paved City parking lot and adjacent streets to capture, treat and infiltrate low-flow stormwater runoff from the parking lot and adjacent city streets. Treatment will be achieved through bio-swales with native vegetation and other landscape features that will remove about 25% of the existing parking area. Subsurface infiltration chambers will be installed under the paved parking areas. The lot is located in Ventura's mid-town area bordered by and including S. Katherine Drive and Hartman Drive between Main Street and Thompson Blvd.	Infrastructure Upgrades (Stormwater infiltration); Pollution Prevention/Reduction	Ventura County (Ventura)	$560,000	Improved stormwater infiltration and quality of water for groundwater recharge.	Yes	No
4	Reducing Pollutant Loads from Nurseries in the San Gabriel River	Council for Watershed Health	700 Alameda St # 8, Los Angeles, CA 90012	Wendy Ramallo, Executive Officer (wendy@watershedhealth.org) 213-229-9945	The Council for Watershed Health will partner with University of California Cooperative Extension (UCCE) and the Nursery Growers Association (NGA) to study nurseries, irrigated agriculture and open space areas throughout the San Gabriel River Watershed with a goal of creating an implementable plan to reduce metal loadings to achieve compliance with the metals TMDL, specifically copper, zinc, and selenium, for dry and wet weather. The goal of this project is to implement nonstructural and structural BMPs on 4 nursery sites that will achieve measurable load reductions. Tasks include identifying nurseries from BMP implementation, monitoring the quality and quantity of the runoff from nurseries prior to BMP implementation, implementing BMPs at the identified nurseries, continuing a monitoring program to measure the success of these BMPs. This project will take approximately 2 years and is estimated to cost $110,000.	Monitoring Programs; Infrastructure Upgrades; Pollution Prevention/Reduction	Los Angeles County (San Gabriel River Watershed)	$110,000	Improved knowledge of water quality in the San Gabriel River Watershed.	No	No
4	Rio Hondo Diversion and Pocket Park*	City of Downey, California	11112 Brookshire Avenue, Downey, CA 90241 (City Hall)	Gerald Greene (ggreene@downeyca.org) 562-904-7112	Regulatory agencies have differentiated the Rio Hondo tributary to the Los Angeles River into several reaches, with the break between reaches 1 and 2 occurring near the Interstate Freeway. In dry weather, flows from the upper (reach 2) to lower (reach 1) Rio Hondo catchments are generally small (< 0.1 CFS), but add to the regulatory complexity of the entire system. A diversion located at this location (or at the confluence with the LA River, near the LA County Imperial Yard, would control dry weather urban flows from nearly a quarter of the urban Los Angeles River Watershed and greatly facilitate dry weather TMDL implementation for a variety of pollutants. The cost of the proposed SEP could range from a half million dollars for a channel crossing diversion and pump station to the adjacent sanitary sewer, to several million dollars if a package plant treatment system, cistern, and pocket park were constructed on the City of Downey owned land located just South of Telegraph Road and East of the channel. With thoughtful design considerations, the project could be incrementally implemented, starting with the diversion, then the cistern and finally the park.	Infrastructure Upgrades; Pollution Prevention/Reduction	Los Angeles County (Area between reach 1 and reach 2 of Rio Hondo tributary)	Varies from half a million to several million $	Improved stormwater control and pollution prevention/reduction in flows to the ocean.	Yes	No
4	San Gabriel River Watershed Monitoring Station Realignment*	City of Downey, California	11111 Brookshire Avenue, Downey, CA 90241 (City Hall)	Gerald Greene (ggreene@downeyca.org) 562-904-7112	Currently, Los Angeles County Mass Emissions Monitoring Stations do not faithfully correspond with Board or EPA Reach and Tributary designations. This has led to reach impairment designations (e.g. lead in Reach 2 of the SGR Metals TMDL) based on water that is essentially from other reaches and has little of nothing to do with emissions of the reach identified as being impaired. The proposed SEP would install additional monitoring sites at consensus designated locations in the reach, in numbers commensurate with Watershed ACLC assessments. As an example, a station installed between the rubber dam and concrete channel just North of Firestone Boulevard, would likely have demonstrated that the soft bottom channel of reach 2 infiltrates nearly all of the runoff from most (low intensity/duration) storm events and the lead impairment identified by the US EPA did not actually exist. In 2008, for the Los Angeles River Metals TMDL CMP, auto-sampler sites were established by Los Angeles County at a cost of about $75,000 per site. Installation is seasonal and subject to County manpower availability, but can generally be completed within a six month period.	Monitoring Programs; Infrastructure Upgrades; Pollution Prevention/Reduction	Los Angeles County	$75,000	Improved knowledge of water quality within the Los Angeles River.	No	No
4	Sanjon Watershed Restoration Study & Construction Ready Plans	City of Ventura, Public Works Department	336 Sanjon Road, Ventura, CA 93001	Joe Yahner, Environmental Manager (jyahner@ci.ventura.ca.us) 805-652-4558	Complete a study that will outline the most cost efficient and effective method to restore Ventura's core urban watershed (the Sanjon Estuary) closer to its natural state to improve water quality, increase groundwater infiltration, and conserve drinking water supplies. The Sanjon watershed begins in Ventura's scenic wildland hillsides, travels through Ventura's urban mid-town, and discharges near the San Buenaventura State Beach. This is one of the State Park's finest beaches on the central coast and is heavily used by visitors from throughout the Country. As the Sanjon watershed has become more urbanized over the years, the coastal waters near the Sanjon outfall are found to have the poorest water quality along the City's entire coastline, in comparison with all other locations tested. This project would improve water quality, increase groundwater infiltration, conserve drinking water supplies and restore the Sanjon Estuary to its natural state.	Studies/Investigations; Waterbody Protection/Restoration; Watershed Assessment	Ventura County (Sanjon Watershed, City of Ventura)	$480,000	Improved knowledge of water quality, supply, and groundwater recharge in the Sanjon Watershed.	No	No
4	Santa Clara River Conservation Program	The Nature Conservancy	601 South Figueroa Street, Suite 1425, Los Angeles, CA 90017	E.J. Remson (eremson@tnc.org) 626-403-975	The project includes acquisition, restoration and creation of aquatic, riparian and other important habitats in the Santa Clara River watershed. The Nature Conservancy has been implementing this project since 2000 and has protected nearly 4,000 acres (~19 river miles) of habitat in the watershed. We are also actively restoring hundreds of acres river habitat on properties we currently own.	Habitat Restoration/Enhancement	Los Angeles County (Santa Clarita River Watershed)	TBD	Restoration and creation of habitat in the Santa Clara River Watershed.	no	No

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4	Santa Clara River Tamarisk and Other Invasive Plant Removal	City of Santa Clarita	23920 Valencia Boulevard #120, Valencia, CA 91355 (City Hall)	Heather Merenda (hmerenda@santaclarita.com) 661-286-4098	This proposed project is removing invasive plants, such as tamarisk, tree tobacco, yellow star thistle, castor bean, and other invasive plants from the Santa Clara River. The City owns 297 acres of Santa Clara River land. Previous restoration efforts divided the river in six distinct areas, Areas A through Area F. These areas are part of the Site Specific Implementation Plan. This includes removal of arundo, tamarisk, and other incidental invasive species on a highly visible 297-acre reach (all City-owned property) of the Upper Santa Clara River and the lower reaches of two major tributaries just above the confluence of San Francisquito Creek and the South Fork of the Santa Clara River. This project is a first cut. Maintenance of the cuts would cost $10,000 - $30,000 per area, annually for approximately five years. This type of work is generally completed between August and October of any given year, so the project and permitting could take anywhere from six to twelve months depending on timing. Distinct phases are: Area A, $75,000; Area B $75,000; Area C $150,000; Area D $75,000; Area E $75,000 and Area F $75,000.	Habitat Restoration/Enhancement	Los Angeles, Ventura Counties (Santa Clara River)	$10,000 to $150,000	Improved natural habitat through control of invasive species.	No	No
4	Santa Monica Bay Habitat Condition Monitoring and Assessment	Santa Monica Bay Restoration Foundation		Guangyu Wang (gwang@waterboards.ca.gov) 213-576-6639	The proposed project aims to fill critical data gaps identified in the Santa Monica Bay Comprehensive Monitoring Program (CMP), which provides a regional assessment of Santa Monica Bay ecosystem health. Information collected from these monitoring activities is much needed to assess the causes of environmental degradation as well as the environmental results of water quality improvement and habitat restoration programs. Specifically this project will focus on several areas that have been neglected due to the deficiencies in the current management system and/or the lack of funding resources: Diving survey of invertebrates, fish, and algae in nearshore rocky reef habitat using standard CRANE protocol ($50,000 - $100,000), rocky intertidal survey of excising and additional stations for a suite of indicator species and physical conditions using MARINe protocol ($50,000 - $100,000), regional sandy beach plant survey for species relative abundance, and location ($20,000), surf-zone fish survey including species identification and relative abundance ($25,000), annual grunion survey for location, frequency, relative intensity of grunion runs ($38,000), shore bird surveys of abundance and nesting ($25,000 -$80,000), fish larvae transects for measuring changes in relative abundance and frequency of occurrence of key species($95,000), inshore and offshore bottlenose dolphin and seabird surveys ($250,000), special study for investigating inshore halibut nursery grounds ($50,000).	Monitoring Programs; Studies/Investigations	Los Angeles County (Santa Monica Bay)	$20,000 to $250,000	Improved knowledge of the Santa Monica Bay ecosystem and watershed health.	No	No
4	Shoestring Park	Council for Watershed Health	700 Alameda St # 8, Los Angeles, CA 90012	Wendy Ramallo, Executive Officer (wendy@watershedhealth.org) 213-229-9945	We propose to enhance a linear strip of the County's Flood Control right-of-way, to create a narrow native habitat park and storm water infiltration facility in Sun Valley between Glen Oaks Blvd. and the Burbank Channel, a tributary of the Los Angeles River. Sun Valley is a predominantly low-income, Latino population in a park poor area of Los Angeles that frequently floods during storm events. Adhering to the LA River Landscaping Guidelines and Plant Palettes, we would create a one mile park between the Burbank Channel and Glen Oaks Blvd. project that would include a county access road and bikeway, seating walls, a storm water collection facility, and native plantings. An infiltration gallery will collect and treat street runoff and recharge the local groundwater basin. Native plantings have a demonstrated ability to thrive on far less imported irrigation water with little or no pesticide use thus reducing possible polluted surface water runoff. We will work with the local community to educate and engage residents in design and maintenance of the park. The project will take about 2 years and will cost $500,000. Beneficial uses: Groundwater recharge, Non-Contact Water Recreation (REC 2), and Wildlife Habitat.	Infrastructure Upgrades; Pollution Prevention/Reduction	Los Angeles County (The neighborhood of Sun Valley, specifically between Glen Oaks Blvd. and the Burbank Channel)	$500,000	Improved stormwater infiltration and quality of water for groundwater recharge; creation of green space.	Yes	No
4	Southern California Wetlands Recovery Project: Los Angeles and Ventura County Projects	Southern California Wetlands Recovery Project	1330 Broadway, Oakland, CA 94612	Greg Gauthier (ggauthier@ssc.ca.gov) 760-832-7365	The Southern California Wetlands Recovery Project (WRP) works with federal, state and local agencies and nonprofit partners to develop and implement acquisition, restoration, and enhancement projects within the Southern California region. Current projects being developed or implemented by the WRP are listed on the Work Plan, which can be viewed online at: http://www.scwrp.org/pdfs/2012-Work-Plan-Project-Descriptions-SCWRP.pdf The WRP work plan is an ever-changing document, and projects are constantly moving in and out of different phases and funding needs. Please contact our staff to inquire about current project needs and phases, and to collaborate on a restoration project in your watershed.	Habitat Restoration/Enhancement	Los Angeles and Ventura Counties	Varies from several thousand $ to several million $	Restoration and creation of habitat in the Southern California Region.	No	No
4	Tertiary Treated Flow Diversion Infrastructure Project	City of Ventura, Ventura Water	501 Poli St, Ventura, CA 93001	Gina Dorrington (gdorrington@venturawater.net) 805-677-4131	This project would divert effluent flow from the Santa Clara River Estuary to other preferred reclamation uses. The project would extend the City's current reclaimed water distribution system and construct wetlands to potentially reduce nitrate concentrations.	Infrastructure Upgrades; Pollution Prevention/Reduction	Ventura County (Ventura)	TBD	Increased reclaimed water usage and potable water conservation and construction of wetlands for treatment purposes.	No	No
4	Trail Maintenance & Erosion Control	Ojai Valley Land Conservancy	371 Baldwin Rd, Ojai, CA 93023	Brian Stark, Executive Director (brian@ovlc.org) 805-649-6852	The Trail Maintenance & Erosion Control project involves developing and maintaining roughly 25 miles of public use trails on Ojai Valley Land Conservancy nature preserves in the Ventura River watershed. The water quality in the Ventura River and its tributaries such as Rice Creek and Wills Creek will benefit from the trail maintenance work which minimizes erosion while maximizing public access and benefit. Specific trail maintenance activities – and the milestones or metrics for this project – include installation of water bars, periodic trail reroutes (e.g. abandon and restore eroding sections, build new trail sections), and the management of vegetation and the trail walking surface to ensure safe travel and minimize erosion. The annual cost of maintaining roughly 25 miles of trails on OVLC preserves is approximately $25,000 including time and materials. Trail maintenance can be completed in phases, so fines of any amount up to $25,000 can be utilized for this purpose, and projects can be completed within months typically.	Infrastructure Upgrades; Waterbody Protection/Restoration	Ventura County (Ventura River Watershed)	$25,000	Improved trails, erosion control and pollution prevention of Ventura River and its tributaries.	No	No

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4	Ventura Hillsides Conservancy Lower Ventura River Habitat Restoration*	Ventura Hillsides Conservancy	3451 Foothill Rd #201, Ventura, CA 93003	Derek Poultney (dpoultney@venturahillsides.org) 805-643-8044	Ventura Hillsides Conservancy (VHC) owns 15 acres of perennially flowing Ventura River and associated floodplain habitat along the lower Ventura River (Foster Park to the estuary). VHC is in the process of acquiring 80 additional acres of "river-bottom" or floodplain habitat within this reach, over 15-acres of which will be converted from industrial land use to river parkway. VHC has begun non-native invasive plant removal and native revegetation on its river properties at the upstream boundary of its interest area near Foster Park and will continue to work downstream to the beach. This work will improve water quantity and quality for the endangered steelhead and numerous other sensitive species. In total, VHC is authorized to conduct riparian habitat restoration on approximately 150 publicly- and privately-owned acres of the lower Ventura River. With significant volunteer labor and some contract labor, VHC is striving to eliminate at least 80% of the non-native vegetation in the lower river. Because we can channel any amount of funding into any appropriate acreage, the budget for this project is scalable.	Habitat Restoration/Enhancement	Ventura County (Ventura River)	TBD	Improved natural habitat through control of invasive species.	No	No
4	Ventura River Stream Team Citizen Monitoring Program	Santa Barbara Channelkeeper	714 Bond Ave, Santa Barbara, CA 93103	Kira Redmond, Executive Director (kira@sbck.org) 805-563-3377 x1	The "Ventura River Stream Team" citizen water quality monitoring program trains and engages citizen volunteers in collecting important water quality data from 15 sites throughout the Ventura River watershed. The goals of the program are to collect, analyze and disseminate data on the health of the Ventura River and its tributaries, identify and facilitate abatement of specific pollution problems in the watershed, and educate and activate a force of volunteer watershed stewards. Monthly sampling events train citizen volunteers in collecting data on numerous physical and chemical parameter (dissolved oxygen, turbidity, conductivity, pH, temperature, nutrients), indicator bacteria (total coliform, E. coli, and Enterococcus), vegetative cover and aquatic life. We also engage volunteers in conducting additional targeted monitoring efforts to help inform the River's algae and trash TMDLs. All sampling adheres to Quality Assurance Project Plan approved by the State Water Resources Control Board. After each sampling event, data are entered into a database and reviewed for quality control purposes. We share our data with volunteers, the public and regulatory agencies through several means, including with the SWRCB for biennial updates to the 303(d) List, and our data have been used extensively by various agencies to help guide their pollution prevention efforts.	Monitoring Programs; Watershed Assessment	Ventura County (Ventura River Watershed)	$72,000	Improved knowledge of water quality in the Ventura River and outreach and education to the community and volunteers.	No	No
4	South Los Angeles Urban Greening and Community Forestry Program	California Greenworks, Inc	3438 W. 43rd Street, Suite 8, Los Angeles, CA 90008	Haley Feng haleyfeng@calgrnwks.org (949) 690-1473	The proposed project will plant 200 trees over a 5-year period in the public parkways of disadvantaged communities located in South Los Angeles. California Greenworks will host 10 neighborhood outreach events, to be coupled with 5 South Los Angeles Community Forestry Workshops advised by certified arborists. This project will improve surface water quality, reduce flood risk, and increase groundwater recharge in the Ballona Creek watershed, raise awareness of water pollution and foster environmental stewardship amongst community members, youth, and students, and advocate for urban forestry as a multi-benefit nature-based solution to floods and water pollution. The goal of the proposed project is to build community resiliency against water pollution and climate change.	Pollution Prevention, Other Projects	Ballona Creek Watershed	$500,000	Improve surface water quality, reduce flood risk, and increase groundwater recharge in the Ballona Creek watershed, raise awareness of water pollution and foster environmental stewardship amongst community members.	Yes	Yes
4	Sustainable Medication Take Back for Los Angeles, Kern, and Ventura Watersheds	California Product Stewardship Council	1822 21st Street, Suite 100, Sacramento, CA 95811	Jordan Wells (916) 706-3420 jordan@calpsc.org	Using SEP funds, CPSC will conduct a 24-month project to assist community and local government partners to establish new medication collection bins and promote the "Don't Rush To Flush" program to the communities within Los Angeles, Ventura, and Kern counties. CPSC will work with local and county police departments, hospitals, and local pharmacies in the three-county area regarding bin placement and the disposal of unwanted medicines. Establishing a network of bins for the purpose of collecting unwanted medicines is not only vital to the health and wellbeing of communities, but also to the sustainability of watersheds and ecosystems. By removing these contaminants from the water supply via use of the unwanted medicine collection bins, they are disposed of properly and, as a result, remove large amounts of contaminants from the water supply and put them out of reach of community members, including children and the elderly, both of which comprise communities with limited immune systems. The benefits to the overall community are clear: fewer contaminants in our water supply improves the health of community members. Additionally, CPSC will specifically target disadvantaged communities by putting bins in underserved and disadvantaged areas, and have publication education outreach focused on the outlets they can be reached by and in the appropriate languages.	Pollution Reduction	Los Angeles River, Ballona Creek, Santa Monica Bay, and Dominguez Channel Watersheds	$375,000	Reduce contaminants in our water supply and improve the health of community members.	Yes	Yes
4	Protect Southern California Watersheds	Center for Biological Diversity	P.O. Box 710 Tucson, AZ 85702	Paul Saba (520) 345-5722 psaba@biologicaldiversity.org	The proposed project will focus on improving ground and surface water quality by increasing awareness, involvement and engagement in Los Angeles with biodiversity, endangered species issues, and by building the connection between pollution reduction, water conservation, thriving wildlife, clean and abundant water resources, and people. The Center for Biological Diversity along with its partners The City Project and Anahuak Youth Sports Association, and in close collaboration with local underserved communities of color will implement a fun, informational sciency, advocacy, community arts and grassroots campaign to protect and revitalize the Los Angeles region watersheds. A dedicated campaigner, someone who reflects the linguistic and cultural diversity of the population to be served, will lead educational nature walks for youth and other community participants. The walks, will take place alongside parks, rivers and creeks, and identify and discuss unique biodiversity and species of ecological significance to the watershed, as well as the cultural and historical significance of those places. The campaigner will also develop bilingual, multicultural planning and educational materials with information on river wildlife, plant life and culture for diverse audiences including parks, schools, community organizations, government agencies and neighborhood groups. Through the project, the Center's communications team will develop multicultural educational materials, including signage to strategically place along river walks and in places where community members congregate, such as parks, schools and libraries. The project will also create at least one new piece of public artwork through our Endangered Species Mural Project, which brings vivid mural art images of endangered wildlife onto the streets of cities and towns around the country, inspiring communities to rally around and protect local endangered species.	Other Projects	Los Angeles River, Santa Clara, San Gabriel, and Ballona Creek Watersheds	$500,000	Improved ground and surface water quality, increased awareness, involvement and engagement in Los Angeles with biodiversity, endangered species issues.	Yes	Yes

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4	Maywood Water Education Project	Comite Pro 1	4030 E. Slauson Ave, Maywood, CA 90270	Felipe Aguirre (323) 560-1111 aguirrefel@gmail.com	The project will educate and train Maywood community residents about the quality of their water which comes from Mutual Water companies – and develop community organizers among these residents in order to be able to assert their rights as water users in mutual and water agency meetings. Comite Pro 1 is a small community based organization that has been dedicated to finding solutions to the high pollution problems in the Maywood city and vicinity. Comite Pro 1 seeks to integrate knowledge, lessons, and practical experience obtained from a previous campaign. A community organizer will be hired to lead the outreach, education, training, and organizing of 50 residents from each of the three Mutual Water companiest hat also cover parts of Bell and Huntington Park. The community organizer will also schedule individual and group home visits to follow up on the educational materials passed out and explain more in detail about local water quality, AB-240 and the importance of being educated about the issue, organizing themselves, and participating to improve water quality. In addition, there will be general community meetings in each area and a larger community meeting of the three Mutual Water companies. Since most of the residents speak Spanish, their training would be bilingual, English and Spanish, with Comite Pro 1 requesting that the Mutual Water companies provide their monthly and annual reports and anything they publish to be in Spanish. Once the 150 community residents have completed their training and are ready to implement what they have learned, a plan of action will be implemented to educate, recruit, and organize their immediate families and community neighbors and to develop community Committee groups in each of the three Mutual Water areas. The goal is to established active permanent community committees to make the Mutual Water companies accountable and have community engagement and be part of the of the decision making for better quality and clean ground water.	Public Health, Other	Los Angeles River Watershed	$129,000	Improved knowledge of drinking water quality and on measure AB-240 which will allow residents to become more involved in community committees.	Yes	Yes
4	Environmental Justice Educational Program: Protecting Our Water through Stormwater Management	Del Amo Action Committee	4542 Irone Ave., Rosamond, CA 93560	Cynthia Babich (661) 256-7144 delamoactioncommittee@gmail.com	The Del Amo Action Committee (DAAC) will act as the fiscal sponsor for Los Angeles Environmental Justice Network (LAEJN), a coalition of environmental justice groups that represents overburdened low income communities of color from the Ports of Los Angeles and Long Beach, Unincorporated portions of Los Angeles County, East Los Angeles, Van Nuys and other areas of the South Bay. This project will bring about awareness on ways that Angelinos can directly impact stormwater runoff; beginning in people's own yards where they have the most authority. The project will start with a self-selection of five participating groups, the core group, which will co-create bilingual educational materials focused on explaining how rain events impact the current stormwater management practices of diversion into drains that lead to the ocean. Months three and four will be filled with educational workshops where LAEJN'S collective efforts will focus on several aspects of rain fall once it hits the ground; including stormwater runoff from toxic sites and yard applications, industrial process releases and vehicle fluids on roadways that affects Los Angeles River and Dominguez Channel. LAEJN will become educated on water sample collection and how to use the data to bring areas into stormwater compliance. The neighborhood projects, include "Rain Garden Concepts", which will help to reduce toxic runoff into the stormwater system and eventually into the ocean. Our education will include researched information about "green streets", many of our groups are involved with "ground truthing" and land use planning and it will be great to incorporate some or all these concepts into the community planning efforts, including Measure A green spaces. This education is important to share with other communities and the efforts of this project will increase rain filtration sites which will help recharge our groundwater basins. During the fifth and sixth months LAEJN will work with the core group a full day for reporting back on their lessons learned and ongoing efforts. Finally, with the goal of this project to lead to initiatives where community members and businesses work together to protect their communal waterways, LAEJN will culminate the project with a Water Symposium, convening 120 attendees.	Public Health, Pollution Prevention	Los Angeles County Watersheds	$45,000	Improved knowledge on stormwater runnoff, and rain garden concepts that will increase groundwater recharge.	Yes	Yes
4	Rundown the Runoff	East Yard Communities for Environmental Justice	2317 South Atlantic Blvd., Commerce, CA 90040	Alessandro Negrete (323) 263-2113 anegrete@eycej.org	Funds for East Yard Communities for Environmental Justice (EYCEJ) will allow the implementation of the Run Down the Run Off project, consisting of data base research and community-based "ground-truthing" activities within municipalities along the Los Angeles River – with disadvantaged communities disproportionately impacted by toxins resulting from the heavy transportation of goods and nearby industry activities. There will be 5-10 trained members serving as participants that identify operations posing a danger to public health and the environment, specifically the potential for soil, ground water and stormwater runoff exposure to metal materials and insufficient containment. The Urban and Environmental Planning Institute at Occidental will be providing a lot of the technical expertise in research and results from the testing. The collected information will trigger and support correspondence between EYCEJ and local agencies to work together to bring transparency to the community and bring further information from findings to the Regional Water Board be able to hold them accountable. Through four data collection surveys, 16 potentially violating facilities will be identified in the along four major corridors. Participants will develop description of environmental concerns and map areas of each facility in order to share data with local agencies. As a result, EYCEJ will work in partnership with the Regional Water Board to find opportunities for reducing pollution from facilities.	Pollution Prevention, Assessment and Audits, Environmental Compliance Promotion	LA River Watershed	$225,000	Improved knowledge on stormwater runoff.	Yes	No

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4	Building Community Capacity to Improve Water Quality in South Los Angeles	Esperanza Community Housing	3655 South Grand Ave., Suite 280, Los Angeles, CA 90007	Ivy Panlilio (213) 748-7285 ext. 225 ivy@esperanzacommunityhousing.org	Esperanza Community Housing proposes to build community capacity to improve water quality in South Los Angeles, home to numerous oil drilling sites. The group's environmental justice programs focus on the environmental impacts of oil drilling because of the dense clusters of residential, industrial and urban activities, and the threat these activities pose to the Los Angeles River and its watershed. By working with several strategic partners such as Urban & Environmental Policy Institute (UEPI) at Occidental College and Strategic Concepts in Organizing and Policy Education (SCOPE), they will conduct research on water quality in this area; engage and train Promotores de Salud (Community Health Advocates) on water issues and health risks; and inform, empower and mobilize community residents to ensure access to safe and potable water. UEPI will play a key role as the experts who will educate and advise Esperanza staff and Promotores on the complexities of water access including infrastructure, distribution, access points, and the regulatory environment. SCOPE will provide power analysis training to the Promotores. With the new knowledge from these various trainings along with research and data collected in surveys, Esperanza will develop educational material for the community. A report on the quality of drinking water in South Los Angeles will also be developed. The report will consolidate existing data and information produced by a variety of agencies that have expertise in water quality, public health, and toxicology. The report will identify the gaps in existing data and research, which will narrow the scope for a more comprehensive assessment in the future. Although the report will be technical in nature and will help to set the foundation for a more definitive study of drinking water in South Los Angeles, it will be an important tool to engage the community partners in the larger water debate, informing and promoting access to clean water. Based on prior experience and their unwavering belief that information and education is power, Esperanza hopes that these efforts will empower and mobilize South Los Angeles residents to use this information to promote the importance of water quality and its impact on people's health and to work for change as necessary.	Public Health, Assessment and Audits, Other Projects	LA River Watershed	$450,000	Improved knowledge of local water quality, water issues, and risks to health.	Yes	Yes
4	Improving Water Quality and Quality of Life in Disadvantaged Communities on the LA River	Friends of the Los Angeles River	570 W. Avenue 26, Suite 250, Los Angeles, CA 90065	Shelly Backlar (323) 233-0585 sbacklar@folar.org	The subject of this plan is an abandoned rail yard where a study shows that concrete can be removed, and wetland habitat restored without compromising flood protection. The predominantly Spanish-speaking residents recently expressed their dismay at a community planning meeting held by the city about the lack of community participation in the restoration planning. Returning the River to a more natural state is one of Friends of the LA River's (FoLAR) guiding principles. For 30 years, FoLar has demonstrated that meaningful community engagement starts with awareness. FoLAR outreach and education programs provide River literacy, empowering local community members to become civically engaged advocates in current and emerging public initiatives on the River. Through this project, FoLAR will bring their watershed education program to the schools surrounding this region (Elysian Valley, Glassell, Cypress and Highland Parks) to promote awareness and River stewardship. They will work with Community Nature Connection, a leader in developing and implementing culturally relevant programming, to stage a family-friendly event where students can share what they've learned. FoLAR will also train community members, in both English and Spanish, to create a team of docents to provide local perspectives and foster communication. Activities that are prominent in FoLAR's education programs for this project include water quality-testing and stream health assessment. These provide excellent ways to talk about storm water runoff and highly treated wastewater that is discharged daily into the River. Helping everyone know that wetlands clean water naturally, provide a place where humans and wildlife can co-exist, and that access to green spaces benefit both physical.	Other Projects	Los Angeles River	$500,000	A watershed education program to the schools surrounding the region to promote awareness and River stewardship.	Yes	No
4	Los Angeles River Stormwater Capture and Habitat Enhancement Project	The Nature Conservancy	4245 Norht Fairfax Drive, Suite 100, Arlington, CA 22203	Sarah Freiermuth (415) 281-0475 sarah.freiermuth@tnc.org	The Nature Conservancy (TNC) proposes to develop a stormwater demonstration project located on a former railyard, which sits within the Upper Los Angeles River Watershed. TNC previously completed a feasibility study and identified the 0.6-acre portion in the northern end of the Bowtie Parcel for the purposes of transforming a brownfield into publicly accessible open space that also addresses water quality and habitat enhancement. TNC is in the process of hiring a consulting firm to complete construction documents which will include a detailed site design and permit/regulation compliance information. The funding will support project implementation which will include daylighting a storm drain (i.e., removing obstructions that are covering the drainage way and restoring the waterway to previous conditions), and creating a natural arroyo and spreading basin to enhance native habitat, manage wet and dry weather runoff, and increase public access at the River. TNC would use the awarded funding to hire a contractor to complete the implementation work. TNC is working with the Prevention Institute (PI), a local public health-focused nonprofit organization, on extensive community engagement and outreach in the Bowtie Parcel neighborhood of Galssell Park and Adjacent Cypres Park community. The partnership between TNC and PI, which is already funded, will incorporate public health as a lens to build meaningful, long-term community engagement for this project and serve as a model to support an inclusive paradigm shift from gray to green infrastructure in Los Angeles. TNC and PI will work together to develop an Advisory Committee and involve additional grassroots community organizers from the surrounding neighborhoods.	Environmental Restoration and Protection	Los Angeles River	$200,000	Restoring a waterway and creating a natural arroyo and spreading basin to enhance native habitat, manage wet and dry weather runoff, and increase public access at the River.	Yes	No

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4	TrashBlitz LA : Citizen Science and Water Pollition Prevention	The 5 Gyres Institute	5792 W. Jefferson Blvd., Los Angeles, CA 90016	Rachel Labbe Bellas (310) 251-9236 rachelle@5gyres.org	TrashBlitz is a collaborative project that engages local communities and stakeholders in collecting data on plastic pollution throughout Los Angeles, leveraging data to drive local solutions. TrashBlitz connects stakeholders across the Los Angeles River Watershed to the issue of plastic pollution, which has primarily focused on the coasts and oceans. This project was modeled after the successful "BioBlitz" program – developed by USGS and National Park Service in 1996 and then later on National Geographic – that measures biodiversity, TrashBlitz measures the amount and type of plastic pollution in different geographical areas (coastal, beach, riverside, and streets) of a particular region in order to provide a snapshot of the city's plastic footprint to help inform a mitigation strategy. The 5 Gyres Institute will survey the most common compartments where plastic pollution resides and identify the type of and brands of such pollution, where possible. The focus area is the Los Angeles River watershed and its associated riverbanks, roads/streets, beaches and coastlines, as well as the near-shore ocean. Brand identification and other plastic sampling data will be collected and uploaded using the developed mobile TrashBlitz App. The App will help capture real-time data for quick visualization of results on a digital online platform and support immediate actions and recommendations of solutions to the municipal stakeholders and decision makers in the region. The project has over 20 partnering organizations that encompass a vast diversity of social and economic demographics since target areas range from coastal communities to more inland communities within the Los Angeles River Watershed. TrashBlitz will train and mobilize volunteers using simple, UN-aligned protocols to collect data through nearshore sampling, along beaches, riverbanks, residential streets, and industrial areas. Mobile data collection tools will allow participants to crowdsource the amounts, types, and brands of plastic pollution and packaging. With this data, the 5 Gyres Institute will engage stakeholders in generating solutions for the City of Los Angeles, to curb reliance on single use plastics and reduce plastic pollution in already impacted waterways.	Pollution Reduction, Environmental Restoration and Protection, Assessments and Audits	Los Angeles River	$50,000	Increased awareness and education on plastic pollution. Reduce plastic pollution in impacted waterways.	Yes	No
4	Heal the Bay's Recreational Water Quality Monitoring and Outreach Project	Heal the Bay	1444 9th Street, Santa Monica, CA 90401	Sheila McSherry (310) 451-1500 ext. 121 smcsherry@healthebay.org	Heal the Bay will expand its freshwater recreational water quality monitoring project by including new sites in the lower Los Angeles River from south of downtown LA to the mouth at Long Beach, partnering with new colleges to provide job training and paid monitoring positions for youth, and conducting outreach to communities that recreate in popular freshwater areas. Funds will enable Heal the Bay to expand public notification process and secure additional partnerships with LA Valley College and California State University, Channel Islands to reach more diverse populations. The lower Los Angeles River does not include any official recreation zones; however, it is well known that communities utilize part of the river for recreation and with planned restoration and park projects in the area, water quality information is lacking and much needed. The proposed work will impact both Malibu Creek and Los Angeles River watersheds and will focus on surface water and public health improvements. In the Malibu Creek Watershed, Heal the Bay will focus on two sites in Malibu Creek State Park where recreation and swimming occur: Rock Pool (Malibu Creek) and Las Virgenes Creek at Crag's Road. In the Los Angeles River Watershed, they will focus on the two established recreation zones: Sepulveda Basin and Elysian Valley. Outreach work will take place in cities surrounding these waterbodies, where communities are heavily burdened by both environmental pollutants and socioeconomic factors. Giving people the information to make informed choices helps protect public health and improve water quality through awareness, stewardship, and advocacy.	Assessments and Audits, Other	Malibu Creek, Los Angeles River	$150,075	Increased education to surrounding neighborhoods and circulated information to help protect public health and improve water quality through awareness, stewardship, and advocacy.	Yes	No
4	Clean Safe Water for the LA Region	Los Angeles Alliance for a New Economy	262 Lucas Ave., Suite 202, Los Angeles, CA 90017	Laura Joseph (626) 356-4158 ljoseph@laane.org	Los Angeles County's Safe, Clean Water Program (SCWP) passed in 2018 and the over $300 million that will be generated from the tax annually will be allocated to green infrastructure water projects that can reduce storm water pollution and improve our local water resilience, while also creating thousands of good construction and permanent maintenance jobs that benefit disadvantaged workers and their communities. Los Angeles Alliance for a New Economy (LAANE) will advocate for the jobs program, equitable community benefits, and assurance that the county dedicates sufficient resources for these purposes. In addition to the direct water quality benefits to Los Angeles area waterbodies, this investment in water infrastructure presents enormous opportunities to create good union jobs building and maintaining projects, training workers for these jobs, and providing equitable benefits and a stakeholder voice for disadvantaged communities. In 2016, LAANE released a major report on green infrastructure (GI) solutions, job creation potential of GI projects, benefits for disadvantaged communities, and access to jobs for disadvantaged workers. The report will help guide next steps on how to ensure an effective pipeline into these new jobs for communities most impacted by the climate and inequality crises. LAANE is working with allies to ensure SCWP's goals and principles are fully realized in implementation, including project type, location, and maintenance. LAANE will work to guarantee that SCWP implementation supports projects, programs and planning to strengthen and realize watershed management plans that outline how to comply with state and federal clean water requirements. This includes engaging in the documents guiding SCWP implementation, making certain of strong oversight and community participation, and working with cities and communities to support project implementation.	Other Projects	Los Angeles River, San Gabriel River, Dominguez Channel, Santa Monica Bay Watershed	$200,000	The increase of green infrastructure water projects that can reduce storm water pollution and improve our local water resilience, while also creating thousands of good construction and permanent maintenance jobs that benefit disadvantaged workers and their communities	Yes	No

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4	Scaling Waterwise Urban Agriculture in LA's Disadvantaged Communities	Los Angeles Food Policy Council	305 East 1st Street, Los Angeles, CA 90012	Cedar Landsman (213) 473-3548 clandsman@goodfoodla.org	The Los Angeles Food Policy Council (LAFPC) proposes to implement a water quality and stewardship education and action project targeted toward urban farms and community gardens in low-income and disadvantaged communities that include South Los Angeles, Boyle Heights, Inglewood, Panorama City, and nearby neighborhoods. The Urban Agriculture Incentive Zones (UAIZ) program, the City and County of Los Angeles' first official urban agriculture program, offers incentives to transform vacant lots into urban farms, agricultural education and community compost hubs. LAFPC identified water cost as a key issue in preserving existing and enabling establishment of new urban agriculture projects. Adding water saving infrastructure is a great way to encourage more gardens and ensure they are less water intensive and employ water-wise practices. Through the proposed project, LAFPC will leverage recent success and momentum to build capacity and infrastructure among 10 urban agriculture projects to implement water conservation and quality improvement The projects at each of the selected sites will focus on: (1) surface water quality and retention, as several of the projects were transformed from impermeable parking lots to permeable surfaces that capture water run-off and prevent pollution from contaminating our water sources; and (2) groundwater quality improvements, as regenerative agriculture practices eliminate toxins in the soil, preventing groundwater contamination and help to recharge the aquifer.	Pollution Prevention, Pollution Reduction, Other Projects	Los Angeles River Watershed	$100,000	Increased water conservation, surface water quality and retention. Implementation of projects that transform impermeable parking lots to permeable surfaces that capture water run-off and prevent pollution from contaminating our water sources; and groundwater quality improvements, as regenerative agriculture practices eliminate toxins in the soil, preventing groundwater contamination and help to recharge the aquifer.	Yes	Yes
4	Marine Program Outreach and Education	Los Angeles Waterkeeper	120 Broadway, Suite 105, Santa Monica, CA 90401	Geraldine Burrola (310) 394-6162 ext. 103 geraldine@lawaterkeeper.org	Los Angeles Waterkeeper (LAW), the County's on-the-water, in-the-water, and in-the-community advocate for local waters, has been a staunch defender of coastal waters for more than 25 years. Their team was part of an integral coalition responsible for instituting Marine Protected Areas (MPAs) enacted by the Marine Life Protection Act (MLPA) in 2013. MPAs are special places in the ocean where consumptive human activities (such as fishing) are limited and/or prohibited so our most precious native marine ecosystems can replenish themselves. Los Angeles County has three such MPAs: Point Vicente/Abalone Cove, Point Dume, and Santa Catalina Island. LAW's Marine team combines education, community outreach, and volunteer-driven data collection to raise awareness about these "underwater parks" and help local agencies enforce their regulations. Funds allocated through this opportunity will support their ongoing MPA Watch Boat-Based Survey Program, which takes an integrated outreach and educational approach to promote greater understanding about and improved management of LA's MPAs. LAW conducts 60-65 annual boat-based survey trips that offer more than 300 volunteers on-the-water learning opportunities while helping staff better understand and safeguard MPAs. Volunteers learn survey protocols and collect written, photo, and GPS documentation of human activity in and around LA's MPAs. This experience often includes witnessing sea life interactions with oil tankers and cargo barges, observing industrial discharge and urban waste, and reporting illegal fishing. These interactions serve as reminders of how dramatically human behavior, both on and offshore, influences the planet while simultaneously emphasizing the need to improve water management practices.	Environmental Restoration and Protection, Other projects	Los Angeles River, Ballona Creek, Santa Monica Bay, and San Pedro Bay	$500,000	Improved understanding about and improved management of LA's Marine Protected Areas.	Yes	No
4	Watershed Program Outreach and Education	Los Angeles Waterkeeper	120 Broadway, Suite 105, Santa Monica, CA 90401	Geraldine Burrola (310) 394-6162 ext. 103 geraldine@lawaterkeeper.org	Los Angeles Waterkeeper (LAW), the County's on-the-water, in-the-water, and in-the-community advocate for local waters leads several different initiatives to achieve swimmable, fishable, and drinkable water for all Angelinos. LAW's small-scale projects prioritize providing opportunities for community members to learn first-hand about the state of waterways' health, and to raise their voices in protecting LA County's inland and coastal waters from pollution, in restoring waters' ecological integrity, and in ensuring public access and enjoyment of those waters. Los Angeles experiences massive pollution in its coastal and inland waterways, and more than 85% of all assessed waterways in the region fail to meet federal standards for at least one pollutant. Many rivers and creeks are merely concrete flood protection channels rather than healthy riparian ecosystems. LAW established its River Assessment Fieldwork Team (RAFT) to connect community members with the Los Angeles River through hands-on scientific fieldwork as well as to advocate for improved watershed policies within the region. LAW has been training 120-140 community members annually to collect water quality samples, conduct ecological health assessments, and collect human use data throughout the Los Angeles River watershed. Although their volunteers come from communities across Los Angeles, most of them live in river-adjacent cities, especially those with high pollution burdens such as Maywood and Long Beach. LAW also uses their connections with local community groups such as Pacoima Beautiful and Communities for a Better Environment to engage their members. The RAFT team leads fieldwork days all along the river and its tributaries to learn about the health of the entire watershed. The range of their sites include more natural locations(Arroyo Seco headwaters), partially concretized (Glendale Narrows), and fully concretized places(Maywood, South Gate, and Long Beach). Following fieldwork days, they reconvene to discuss data as agroup, working to mobilize their findings in a call for a healthier river for all. In collaboration with Heal the Bay and Council for Watershed Health, LAW will further integrate the collected data inaddition to inviting volunteers to express concerns that LAW staff can take to LA River planning meetings. Finally, findings will be shared and published through an official report release.	Environmental Restoration and Protection, Other projects	Los Angeles River	$100,000	Improved knowledge on the health of the watershed. Opportunities for community members to learn first-hand about the state of waterways' health, and to raise their voices in protecting LA County's inland and coastal waters from pollution, in restoring waters' ecological integrity, and in ensuring public access and enjoyment of those waters.	Yes	No

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4	Water Education Program	Nature for All	1817 Jackson Ave., Room 2, San Gabriel, CA 91776	Belinda Faustinos (626) 614-4990 belinda@lanatureforall.org	Funds will support Nature for All's Water Resiliency Education Program, which educates and engages Los Angeles County residents in underserved communities about water resiliency and the need to improve water resources. The Program has two areas of focus: water resiliency and the protection of the East Fork at the San Gabriel River. To increase the development of multi-benefit projects that capture stormwater, reduce pollution loads on watersheds and groundwater, and increase the availability of local water sources, residents need to understand how these projects work and why they are needed. In Nature for All's water resiliency-related work, they educate residents on how stormwater capture and filtration projects function and illustrate the wide range of benefits such projects can provide local communities. They also outline household-level strategies for stormwater filtration, capture, and re-use that also allow residents to save on their water bills. Community members will be deeply involved both as leaders and as participants though Nature for All coalition member organizations COFEM (Council of Mexican Federations in North America), ActiveSGV, and API Forward Movement, which will help to conduct outreach in communities in Southeast Los Angeles and the San Gabriel Valley. The recreational use of the East Fork of the San Gabriel River at Cattle Canyon generates so much pollution that the river received an F rating at the site by the Los Angeles-Area Regional Water Quality Control Board. A lack of recreational infrastructure combined with a high visitor count has led to high levels of littering, bacterial pollution, and habitat disruption. Nature for All will intervene by developing and implementing a direct visitor engagement program to educate site users regarding best management practices for the river. With most visitors to the site being low income people of color, it is imperative that the staff and volunteers engaging visitors be multi-lingual and culturally sensitive to the needs and rights of those visitors. Nature for All will measure program impacts through water quality monitoring in partnership with the Council for Watershed Health, an organization with extensive experience in water quality monitoring. In addition to education, the Program provides the opportunity for leadership training to residents interested in becoming more involved in multi-benefit stormwater projects or water quality/habitat improvement.	Pollution Prevention, Environmental Restoration and Protection, Other Projects	San Gabriel River, Los Angeles River, Rio Hondo	$160,000	Increased education and engagement among Los Angeles County residents in underserved communities about water resiliency and the need to improve water resources.	Yes	No
4	Stormwater Infrastructure in Boyle Heights - Community Health and Revitalization Project	Proyecto Pastoral	135 North Mission Road, Los Angeles, CA 90033	Sophia Sleap (323) 881-0008 ssleap@proyectopastoral.org	Proyecto Pastoral serves as the backbone organization for Promesa Boyle Heights (Promesa), a community-driven, cross-sector collaborative. Promesa has two project goals to impact water quality and public health in two locations - Salazar Park in East Los Angeles and a park in west Boyle Heights, which are part of the Los Angeles River Watershed. Since 2016, Promesa has been training resident leaders and convening a Parks and Open Spaces Committee (POSC) of community members in East Los Angeles to advocate for safe parks with quality programs. East Los Angeles ranks highest within the region as it pertains to levels of pollution and opportunities for infiltration and water quality improvements, given the underlying soils. With support from the Water Foundation, and in partnership with the Council for Watershed Health, the POSC developed concepts for a multi-benefit project to capture stormwater at Ruben F. Salazar Park. The park was called Laguna Park ("lake" park) due to its flooding during rainfall. The park's design is impermeable and has lack best management practices to address stormwater capture. The concepts address stormwater infrastructure, health, flooding, green infrastructure and regional water interdependence. With project concepts complete, Promesa is now seeking funding to garner input from the broader community on the concepts, and to convene a project team to carry the concepts through the Pre-Design research phase. By the end of the two years, the POSC at Salazar Park will have convened the project team to bring the concepts to the point where they are ready to be fully designed and blueprints produced. In addition, Promesa is proposing to convene community members from East L.A engaged in the Salazar Park project with community members from west Boyle Heights, so that they can cross-learn and provide a model for how such a project could be replicated in a park in Boyle Heights. Thus, in the long-term the project will benefit groundwater capture at multiple parks.	Other Projects	Los Angeles River Watershed	$252,950	Increased stormwater improvement, community involvement, and water quality education.	Yes	No
4	South Gate LA River Pilot Project	River LA (Los Angeles Revitalization Corporation)	525 South Hewitt Street, Los Angeles, CA 90013	Angela Barranco (323) 221-7800 angela@riverla.org	River LA's Southeast LA River Pilot Project will demonstrate how to transform the LA River into a 51-mile civic asset that runs through the heart of Los Angeles. The project will design and develop a 1-3-acre platform park over the Los Angeles River in a critical-need area of Southeast Los Angeles, tackling complex issues around Los Angeles's water infrastructure, social and environmental equity, climate resilience, and the building of healthier communities. The City of South Gate, which has been identified as the site for the proposed park, is within the State's top 10% of disadvantaged communities, and has been identified as a high need area by LA County's Parks Needs Assessment and the Lower LA River Working Group. The innovative platform park will connect communities east and west of the River with new open space, recreation facilities, ecological corridors, and active transportation connections, bringing much needed public health, wellness opportunities, and programming to the region. As part of a robust engagement process, the project will further innovative approaches to community engagement, using new community tools including augmented reality technology and quantitative tools for expanding public participation. Bringing multilingual and culturally appropriate communication to all project work will be key in engaging the vast majority of the population, as 95.3% of residents identify as Latino. The project will utilize existing publicly owned land in South Gate – a concrete river channel at one of its widest spans – for public benefit, avoiding costly, time consuming, and unlikely land acquisition, while overcoming the constraint of flood control that has stymied progress for decades. As a prototype for the innovative implementation of this type of intervention at a larger scale for the LA River, the project will explore how in-channel platforms can significantly help the region increase local supply and reliability in a changing climate. By studying how they can capture outfalls from surrounding neighborhoods, the project can help communities meet water obligations and create a test case for future proposed, and much larger, recharge and treatment projects in the region.	Other Projects	Los Angeles River	$500,000	Increased stormwater improvement, community involvement, and water quality education.	Yes	No

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4	Watershed and Forest Revitalization Project	San Gabriel Valley Conservation Sorps	10900 Mulhall Street, El Monte, CA 91731	Christina Gonzales (626) 579-2484 chris@sheergenius.org	This project will support the engagement, development and employment of local underserved young men and women. Through San Gabriel Valley Conservation Corps (SGVCC) young adults are trained and employed in helping conservation and active environmental clean-up activities. The ultimate goal of the proposed project is to identify trail and watershed health, and to address specific threats to it. SGVCC will address the needs and priorities of the San Gabriel River and focus on reducing the trash Total Maximum Daily Load (TMDL) for the East Fork of the San Gabriel River. The focus is on surface water by removing trash and helping provide safe recreational access. The project will improve trail conditions and address some associated environmental health concerns, while enhancing the general recreational experience for the community. This will be achieved through the employment of local under-served young adults in Pomonaand surrounding areas, providing them with new opportunities to experience the local natural ecosystem, and providing valuable exposure and outdoor resource management training to enhance their future employment options. Community involvement is a key component of the proposed project. SGVCC's Corps members are residents of the immediate area and community and at minimum 90% reside in Severely Disadvantaged Communities (SDAC) and the remaining 10% from Disadvantaged Communities (DAC). The San Gabriel River and mountains are visited by thousands annually and provide 33% of the water for Los Angeles County; by removing trash and educating visitors this project will improve water quality for fish and wildlife, make trail conditions safer and more enjoyable for users, and benefit the drinking water of the populations downstream. The ultimate goal is to mitigate the TMD of trash that reaches the lower basin and subsequently merges into Long Beach. The project's objective is to secure water health at its source.	Pollution Prevention, Pollution Reduction, Other Projects	San Gabriel River	$150,000	Improved trail and watershed health through environmental clean up activities.	Yes	No
4	Santa Clara River Invasive Week Task Force - Mapping and Removal Program	Santa Clara River Conservancy	23920 Valencia Boulevard #120, Valencia, CA 91355 (City Hall)	Heather Merenda (hmerenda@santaclarita.com) 661-286-4098	The Santa Clara River is the largest river system in Southern California remaining in a relatively natural state. The watershed struggles with an infestation of invasive plants, the most destructive being arundo donax (arundo), which can reach 30 feet tall, tolerate both drought and flooding, even surviving saline conditions, and is extremely flammable and highly adapted to fire. The rhizomes (underground stems) send up new shoots immediately after fires, which then quickly outgrow native species that are much less tolerant to fires and don't have time to re-populate burned sites. Arundo also reproduces from rhizomes that are carried to new sites by high river flows, spreading rapidly to out-compete native riparian vegetation. One acre of arundo can consume 11.75-acre feet of water annually. This results in reduced groundwater recharge, erosion and sedimentation, and habitat degradation for many species. The Santa Clara River requires human intervention to remove arundo. This project will create an accurate and up-to-date geo-spatial database that would be valuable for developing management strategies and financing to control Arundo, as well as other weeds that are not well-recorded in the watershed. The proposed comprehensive mapping effort would develop a strategic and systematic process to prioritize removal and management programs to reduce these threats. Light Detection and Ranging (LiDAR) data were recently acquired (October 2015) for the full Santa Clara River floodplain and provides a cost-effective platform for assessing non-native and native vegetation distributions. The raw data need to be processed, with ground-truthing field surveys, to map current vegetation status and prioritize locations for weed management. This project will also provide a key step in developing a natural resource monitoring system to detect trends, both positive and negative, related to watershed management and climate modification. Once prioritized and mapped, this project would implement arundo removal in areas most beneficial to human and natural at-risk communities.	Environmental Restoration and Protection, Assessment and Audits	Upper and Lower Santa Clara River	$500,000	Increased knowledge on invasive species and more vulnerable areas. Improved natural habitat through control of invasive species.	Yes.	No
4	Newhall Creek Community Watershed Education and Restoration Project	Santa Clarita Organization for Planning and the Environment	P.O. Box 1182, Canyon Country, CA 91386	Lynne Plambeck (661) 255-6899 lynne@scope.org	Newhall Creek, a tributary of the Santa Clara River, runs through the community of Newhall, and past the McGrath Elementary School in the largely Spanish speaking area and disadvantaged community of Santa Clarita. The Creek, still natural in some areas, and rip-rapped or soft-bottom hardscaped in others, is often called "the Wash". It is littered with trash and the native flora is sometimes dominated by the invasive arundo donax. Several drinking water wells are located downstream from this section of the Creek. Partnering with two elementary schools, Santa Clarita Organization for Planning and the Environment (SCOPE) will provide a three-school year creek education and restoration program that integrates into the McGrath Elementary School after school enrichment program and will expand to the Newhall Elementary school after school program. Activities in the watershed curriculum include 1) lessons on watershed issues and its connection to water supply and water quality through hands on demos and project; 2) supervised watershed related field trips; 3) creek clean-ups to improve the water quality, involving both parents and students; 4) student-lead water quality testing; and 5) inclusion and growth of native riparian plants in the school's garden project for re-vegetation. The clean-ups and water quality testing projects will be documented on video, students will develop and produce public service announcements on water quality issues, and share these videos with the entire school, PTA, and at the local community center. An overall goal will be to have this program serve as a pilot program that can be incorporated in schools throughout the Santa Clarita Valley as a part of the local elementary school curriculum. Through this watershed program grant SCOPE aims to develop in these students a "sense of place" and of stewardship for Newhall Creek and the Santa Clara River watershed that will be retained throughout their lives, and conveyed to their parentsand their peers, thus benefiting the whole community.	Environmental Restoration and Protection, Assessment and Audits, Other Projects	Newhall Creek, Santa Clara River	$100,000	Education and enrichment programs for local schools. Creek education and restoration activities.	Yes	No

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4	Calles Verdes	Tree People	12601 Mullholland Drive, Beverly Hills, CA 90210	Christine Buckley (818) 623-4888 cbuckley@treepeople.org	Calles Verdes is a green streets multi-benefit project in the City of San Fernando with a primary emphasis on stormwater capture and water quality. Nestled in the Upper Los Angeles River Watershed, the project will address the upper and lower LA River, and, ultimately, the Pacific Ocean. Heavily steeped in community engagement and partnering with the City, the project will capture and cleanse stormwater, diverting it from storm drains that lead to the Los Angeles River and then the ocean, with a series of LID elements including bioretention swales along streets and in a parking lot, vegetated curb extensions, permeable paving, and 750 trees. The City of San Fernando is ranked in the highest percentile by Cal EPA as a disadvantaged community with the highest pollution burden. Unlike its surrounding areas, the City has its own water supply, greatly enhanced by highly permeable soil. San Fernando is also one of the worst areas in Los Angeles for flooding and, therefore, stormwater capture, and flood reduction is much needed. Funding from the California Coastal Conservancy's Prop 1 grant program is funding the majority of the project and additional funds are sought to add a specific water quality layer focused on water quality analysis and diversion of runoff via bioretention swales and permeable pavement. The project was designed to complement the City's Active Transportation plan, which promotes public health via walking, biking, and other means of active transportation. The overall aim is to improve public health and increase climate resilience through water and air quality improvements, urban cooling, healthy, active transportation, stormwater capture, community engagement and public education. The project is organized into two parts, a planning phase and 3-year implementation phase. The planning phase is complete and consisted of identifying implementation sites, obtaining permits, ensuring CEQA exemption, developing project designs, establishing MOAs and doing baseline measurements for water filtration and quality, tree canopy, and GHG reduction levels.	Pollution Prevention, Environmental Restoration and Protection	Los Angeles River Watershed	$330,000	Improved public health and increase in climate resilience through water and air quality improvements, urban cooling, healthy, active transportation, stormwater capture, community engagement and public education.	Yes	Yes
4	Sustainable Medication Take Back for Ventura Watersheds	California Product Stewardship Council	1822 21st Street, Suite 100, Sacramento, CA 95811	Jordan Wells (916) 706-3420 jordan@calpsc.org	Using SEP funds, CPSC will conduct a 24-month project to assist community and local government partners to establish new medication collection bins and promote the "Don't Rush To Flush" program to the communities within Los Angeles, Ventura, and Kern counties. CPSC will work with local and county police departments, hospitals, and local pharmacies in the three-county area regarding bin placement and the disposal of unwanted medicines. Establishing a network of bins for the purpose of collecting unwanted medicines is not only vital to the health and wellbeing of communities, but also to the sustainability of watersheds and ecosystems. By removing these contaminants from the water supply via use of the unwanted medicine collection bins, they are disposed of properly and, as a result, remove large amounts of contaminants from the water supply and put them out of reach of community members, including children and the elderly, both of which comprise communities with limited immune systems. The benefits to the overall community are clear: fewer contaminants in our water supply improves the health of community members. Additionally, CPSC will specifically target disadvantaged communities by putting bins in underserved and disadvantaged areas, and have publication education outreach focused on the outlets they can be reached by and in the appropriate languages.	Pollution Prevention	Ventura Watersheds	$375,000	Reduce contaminants in our water supply and improve the health of community members.	Yes	Yes
4	Protect Southern California Watersheds	Center for Biological Diversity	P.O. Box 710 Tucson, AZ 85702	Paul Saba (520) 345-5722 psaba@biologicaldiversity.org	The proposed project will focus on improving ground and surface water quality by increasing awareness, involvement and engagement in Los Angeles with biodiversity, endangered species issues, and by building the connection between pollution reduction, water conservation, thriving wildlife, clean and abundant water resources, and people. The Center for Biological Diversity along with its partners The City Project and Anahuak Youth Sports Association, and in close collaboration with local underserved communities of color will implement a fun, informational sciency, advocacy, community arts and grassroots campaign to protect and revitalize the Los Angeles region watersheds. A dedicated campaigner, someone who reflects the linguistic and cultural diversity of the population to be served, will lead educational nature walks for youth and other community participants. The walks, will take place alongside parks, rivers and creeks, and identify and discuss unique biodiversity and species of ecological significance to the watershed, as well as the cultural and historical significance of those places. The campaigner will also develop bilingual, multicultural planning and educational materials with information on river wildlife, plant life and culture for diverse audiences including parks, schools, community organizations, government agencies and neighborhood groups. Through the project, the Center's communications team will develop multicultural educational materials, including signage to strategically place along river walks and in places where community members congregate, such as parks, schools and libraries. The project will also create at least one new piece of public artwork through our Endangered Species Mural Project, which brings vivid mural art images of endangered wildlife onto the streets of cities and towns around the country, inspiring communities to rally around and protect local endangered species.	Other Projects	Ventura County	$500,000	Improved ground and surface water quality, increased awareness, involvement and engagement in Los Angeles with biodiversity, endangered species issues.	Yes	Yes

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4	Santa Clara River Invasive Week Task Force - Mapping and Removal Program	Santa Clara River Conservancy	P.O. Box 789, Santa Paula, CA 93061	Heather Merenda (661) 286-4183 hmerenda@santa-clarita.com	The Santa Clara River is the largest river system in Southern California remaining in a relatively natural state. The watershed struggles with an infestation of invasive plants, the most destructive being arundo donax (arundo), which can reach 30 feet tall, tolerate both drought and flooding, even surviving saline conditions, and is extremely flammable and highly adapted to fire. The rhizomes (underground stems) send up new shoots immediately after fires, which then quickly outgrow native species that are much less tolerant to fires and don't have time to re-populate burned sites. Arundo also reproduces from rhizomes that are carried to new sites by high river flows, spreading rapidly to out-compete native riparian vegetation. One acre of arundo can consume 11.75-acre feet of water annually. This results in reduced groundwater recharge, erosion and sedimentation, and habitat degradation for many species. The Santa Clara River requires human intervention to remove arundo. This project will create an accurate and up-to-date geo-spatial database that would be valuable for developing management strategies and financing to control Arundo, as well as other weeds that are not well-recorded in the watershed. The proposed comprehensive mapping effort would develop a strategic and systematic process to prioritize removal and management programs to reduce these threats. Light Detection and Ranging (LiDAR) data were recently acquired (October 2015) for the full Santa Clara River floodplain and provides a cost-effective platform for assessing non-native and native vegetation distributions. The raw data need to be processed, with ground-truthing field surveys, to map current vegetation status and prioritize locations for weed management. This project will also provide a key step in developing a natural resource monitoring system to detect trends, both positive and negative, related to watershed management and climate modification. Once prioritized and mapped, this project would implement arundo removal in areas most beneficial to human and natural at-risk communities.	Environmental Restoration and Protection, Assessment and Audits	Upper and Lower Santa Clara River	$500,000	Increased knowledge on invasive species and more vulnerable areas. Improved natural habitat through control of invasive species.	Yes	No
4	Sustainable Medication Take Back for Kern County Watershed	California Product Stewardship Council	1822 21st Street, Suite 100, Sacramento, CA 95811	Jordan Wells (916) 706-3420 jordan@calpsc.org	Using SEP funds, CPSC will conduct a 24-month project to assist community and local government partners to establish new medication collection bins and promote the "Don't Rush To Flush" program to the communities within Los Angeles, Ventura, and Kern counties. CPSC will work with local and county police departments, hospitals, and local pharmacies in the three-county area regarding bin placement and the disposal of unwanted medicines. Establishing a network of bins for the purpose of collecting unwanted medicines is not only vital to the health and wellbeing of communities, but also to the sustainability of watersheds and ecosystems. By removing these contaminants from the water supply via use of the unwanted medicine collection bins, they are disposed of properly and, as a result, remove large amounts of contaminants from the water supply and put them out of reach of community members, including children and the elderly, both of which comprise communities with limited immune systems. The benefits to the overall community are clear: fewer contaminants in our water supply improves the health of community members. Additionally, CPSC will specifically target disadvantaged communities by putting bins in underserved and disadvantaged areas, and have publication education outreach focused on the outlets they can be reached by and in the appropriate languages.	Pollution Prevention	Kern Watersheds	$375,000	Reduce contaminants in our water supply and improve the health of community members.	Yes	Yes
5	For complete list of available SEPs, visit https://www.waterboards.ca.gov/centralvalley/water_issues/enforcement/	The Rose Foundation for Communities and the Environment	1970 Broadway #600, Oakland, CA 94612	Tim Little (tlittle@rosefdn.org) 510-658-0702					Various		
5	Clean Water for Disadvantaged Communities	The Rose Foundation for Communities and the Environment	1970 Broadway #600, Oakland, CA 94612	Tim Little (tlittle@rosefdn.org) 510-658-0702	The Community Water Center will further efforts to facilitate access to safe, affordable sources of drinking water for disadvantaged communities in the San Joaquin Valley and Tulare Lake Basin, particularly in the counties of Fresno, Kern and Tulare. CWC will accomplish this utilizing three main strategies: 1) Community Outreach and Education in Disadvantaged Communities; 2) Water Quality Testing in Disadvantaged Communities; and 3) Connecting DAC residents with contaminated water to resources on immediate access to safe water and long-term solution options.	Water Treatment; Outreach/Education	Kings County (Tulare Lake Basin, Eastside San Joaquin Valley)	$100,000 / 12 months	Drinking water quality and accessibility improvements through increased outreach and education, water quality testing, and connecting residents with resources for both immediate and long-term access to safe water.	Yes	Yes
5	SEPs to Benefit the Delta Regional Monitoring Program	Aquatic Science Center (San Francisco Estuary Institute)	4911 Central Avenue, Richmond, CA 94804	Tim Little (tlittle@rosefdn.org) 510-658-0702	The goal of this effort is to better coordinate and design current and future monitoring activities in and around the Delta to create a cost effective approach for providing critically needed water quality information and analysis to better inform policy and regulatory decisions of the Central Valley Regional Water Quality Control Board.	Monitoring Programs	Sacramento, San Joaquin Counties (Sacramento-San Joaquin Bay Delta)	TBD	Improved knowledge of water quality in the Delta through increased water quality monitoring.	No	No
5	Stanislaus County Water Stewardship Campaign	The Rose Foundation for Communities and the Environment	1970 Broadway #600, Oakland, CA 94612	Tim Little (tlittle@rosefdn.org) 510-658-0702	The Tuolumne River Trust aims to improve water quality of the Tuolumne River as it flows through West Modesto, one of the most socioeconomically disadvantaged communities in Modesto County. The lower Tuolumne River is listed as impaired for water temperature, mercury, Group A Pesticides, Diazinon, and Chlorpyrifos. Dry Creek, a tributary to the Tuolumne River at Modesto, is listed as impaired for E. coli, Diazinon, and Chlorpyrifos. Trash is also a major problem. Project activities are: 1) building on baseline water quality information by recruiting monitoring teams from West Modesto to add two neighborhood monitoring sites; 2) implementing an Adopt a River pollution prevention campaign to combat hazardous trash dumped in the River and river parks; and 3) a launching a Water Literacy Campaign to improve awareness of water pollution and water quality by working with the local elementary schools.	Monitoring Programs; Pollution Prevention/Reduction	Stanislaus County (Tuolumne Watershed)	$50,000 over 12 months	Improved knowledge of water quality in the Tuoloumne River through increased water quality monitoring and community outreach, education, and engagement.	Yes	Yes
5	Sustainable Medication Take Back for San Joaquin River Watershed	The Rose Foundation for Communities and the Environment	1970 Broadway #600, Oakland, CA 94612	Tim Little (tlittle@rosefdn.org) 510-658-0702	Consumer Product Safety Commission (CPSC) will collaborate with community partners (pharmacies, hospitals, local community groups, hauling companies and government agencies) to establish up to twenty (20) take-back sites for unwanted medications targeting disadvantaged populations.	Outreach/Education; Pollution Prevention/Reduction	San Joaquin County (San Joaquin River Watershed)	$99,950 over 24 months	Water pollution prevention through proper recycling of unwanted medications.	Yes	Yes
5	Sustainable Medication Take-Back for Tulare Basin Watershed	The Rose Foundation for Communities and the Environment	1970 Broadway #600, Oakland, CA 94612	Tim Little (tlittle@rosefdn.org) 510-658-0702	Consumer Product Safety Commission (CPSC) will collaborate with community partners (pharmacies, hospitals, local community groups, hauling companies and government agencies) to establish up to twenty (20) take-back sites for unwanted medications targeting disadvantaged populations.	Outreach/Education; Pollution Prevention/Reduction	Tulare County (Tulare Lake Basin - Kaweah, St. Johns, and Tule Rivers)	$99,950 over 24 months	Water pollution prevention through proper recycling of unwanted medications.	Yes	Yes

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5	The Stream Team General Support	The Rose Foundation for Communities and the Environment	1970 Broadway #600, Oakland, CA 94612	Tim Little (tlittle@rosefdn.org) 510-658-0702	California Urban Streams Alliance – The Stream Team, a community-based watershed stewardship group, aims to expand its existing citizen monitoring program to maximize the benefits to disadvantaged communities (DACs) working on water quality issues in the Sacramento River Watershed. The water quality in Butte County watersheds are declining as a result of urban development and increasing stormwater runoff. This project will leverage citizen involvement and knowledge to accomplish low-cost watershed assessments and ecosystem restoration; facilitate stewardship actions to achieve water resource management goals and objectives; implement Low Impact Development (LID) demonstration projects to reduce stormwater runoff; integrate science ambassador programs in schools; and implement Residential Landscape Irrigation Conservation Education/Outreach.	Monitoring Programs; Watershed Assessment	Butte, Glenn and Tehama Counties (Sacramento River and its tributaries)	$38,000 over 12 months	Improved water quality through increased citizen monitoring of the Butte County Watersheds and increased outreach and education.	Yes	No
6	Abengoa Parcel Monitoring Well	Transition Habitat Conservancy	P.O Box 720026, Pinion Hills, CA 92372	Jill Bays (jill@baystranslations.com) 760-868-1400	The Transition Habitat Conservancy recently purchased 250 acres immediately west of the Abengoa solar plant in Harper Valley. This project would consist of providing funding for Transition Habitat to install a monitoring well on their property and outfitting the well with continuous groundwater level monitoring equipment. Baseline groundwater sampling would be conducted to evaluate groundwater quality (cations/anions/trace metals).	Monitoring Programs	San Bernardino County (Lockhart/Hinkley)	$30,000.00	Improved knowledge about water supply and water quality in the groundwater basin.	No	No
6	Bird Spring Parcel	Transition Habitat Conservancy	P.O Box 720026, Pinion Hills, CA 92372	Jill Bays (jill@baystranslations.com) 760-868-1400	Acquire a 40-acre parcel that contains a spring, known as Bird Spring, located in the Fremont-Kramer Desert Wildlife Management Area. This ecologically important site provides the only reliable surface water in the entire Gravel Hills region and is heavily used by wildlife including resident and migratory birds.	Monitoring Programs; Waterbody Protection/Restoration	San Bernardino County (Lockhart/Hinkley)	$31,700.00	Improved water supply and water quality information from active management and monitoring.	No	No
6	City of Victorville - VSD4 Sewer Lift Station Project	Mojave Integrated Water Management Plan Implementation Support Team	13846 Conference Center Dr., Victorville, CA 92307	Jeanette Hayhurst (jethayhurst@gmail.com) 760-946-7000	This project will intercept existing sewer flows in an existing sewer trunk line within the Southern California Logistics Airport area and pump the flows to the Victorville Wastewater Treatment Plan. The diverted flows will be treated to Title 22 reclaimed water quality standards. The reclaimed water will be used at the High Desert Power Project and at the Southern California Logistics Airport area. The project will improve the water quality of the reclaimed water produced by Victorville's Wastewater Treatment Plant because the diverted wastewater that will be pumped to the Victorville Wastewater Treatment Plant has a lower concentration of Total Dissolved Solids than what is currently being treated. The project will reduce existing dependence upon the California State Water Project and contributes to fulfilling one of the priorities identified in the Lahontan Water Board's triennial review process: establishing a region-wide approach to TDS water quality objectives for surface waters. The estimated project cost is $2,013,268; however, it is noted that the City of Victorville may be able to fund a portion of this amount in the event a Discharger subject to an enforcement action is able to fund a significant share (but not all) of the project.	Reclamation	San Bernardino County (Victorville)	Up to $2M	Improved water quality of reclaimed water and potable water conservation.	No	No
6	Cuddeback Dry Lake Parcel	Transition Habitat Conservancy	P.O Box 720026, Pinion Hills, CA 92372	Jill Bays (jill@baystranslations.com) 760-868-1400	Acquire a 160-acre parcel that contains Waters of the State land in the northern portion of the Fremont-Kramer Desert Wildlife Management Area. The parcel spans an entire section of Cuddeback Dry Lake, and is in the proximity of other parcels actively managed by Transition Habitat Conservancy.	Waterbody Protection/Restoration	San Bernardino County (Atolia/Hinkley)	$88,000.00	Restoration of area that contains Waters of the State.	No	No
6	Harpers Lake/Black's Ranch Well	Transition Habitat Conservancy	P.O Box 720026, Pinion Hills, CA 92372	Jill Bays (jill@baystranslations.com) 760-868-1400	The historic Black's Ranch Well area, located on the southeast edge of Harper Lake, contains Waters of the State; has an existing well; is a potential monitoring location for groundwater levels, water quality, and hexavalent chromium (currently a "non-detect data point"); and is an important site for wildlife/habitat. Phase 1: Acquire the two 40-acre parcels Phase 2: Install a monitoring well onsite Phase 3: Improve/Restore for riparian area function and habitat	Monitoring Programs; Waterbody Protection/Restoration; Habitat Restoration/Enhancement	San Bernardino County (Hinkley)	$127,500.00	Monitor water quality in this region including the Hinkley hexavalent chromium plume. Provide and improve habitat for important migratory birds and other wildlife in this neglected portion of Harper Lake. Preservation of an important historic site (Black's Ranch Well) in the region.		
6	Helendale Community Services District - Recycled Water Pipeline	Mojave Integrated Water Management Plan Implementation Support Team	13846 Conference Center Dr., Victorville, CA 92307	Jeanette Hayhurst (jethayhurst@gmail.com) 760-946-7000	The project is designed to construct a recycled water distribution pipeline consistent with the Helendale CSD's 2012 Recycled Water Facilities Plan. The pipeline will be constructed in two phases. Phase I of the project will extend the recycled water distribution line from the Treatment Facility southward on District-owned property to a connection point on the privately-owned Silver Lakes Golf Course. Estimated Phase I budget is $750,000. Phase II of the project is the extension of the pipeline across the golf course to the irrigation pumping system located on Lakeview Drive to provide recycled water to the Helendale Community Park. Estimated Phase II budget is $500,000. Potential SEP funds could be used as a match for various grants and loans. The project will reduce the reliance on groundwater resources by up to 500 acre-feet annually. The project is consistent with the State Water Board's Recycled Water Policy which encourages the expansion and use of recycled water. The project is also consistent with the Governor's mandate to maximize the beneficial uses of the State's water.	Reclamation	San Bernardino County (Helendale)	$2,670,000.00	Improved water quality of reclaimed water and potable water conservation.	No	No

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6	Helendale Community Services District - Tertiary Treatment Upgrade	Mojave Integrated Water Management Plan Implementation Support Team	13846 Conference Center Dr., Victorville, CA 92307	Jeanette Hayhurst (jethayhurst@gmail.com) 760-946-7000	The project is designed to produce recycled tertiary water for use within the District service area. The Recycled Water Facilities Plan has been completed for the project, and the project can be implemented in phases. Phase 1 will include the installation of a pipeline between the treatment facility and an adjacent property to allow for an expansion of the irrigated acreage using tertiary water. Phase 2 includes the construction of plant components that would result in effluent meeting tertiary requirements and construction of a conveyance pipeline to the golf course for delivery of Title 22 effluent for golf course irrigation. Phase 3 includes construction of additional storage capacity at the plant for effluent storage that could be used during the winter months or for operational reasons. The project will ultimately produce approximately 350 acre feet of recycled water annually. The upgraded treatment plant will improve nitrate removal, recycled water reuse will reduce salt loading from discharged effluent in support of the Mojave IRWM's Salt Nutrient Management Plan, and will reduce the reliance on groundwater resources by 350 acre-feet annually. The project will result in addressing public health concerns as it relates to nitrate concentrations in area ground water and will reduce ground water pumping demands in the basin. The project also supports the statewide Recycled Water Policy and is consistent with the Lahontan Water Board's Triennial Review Priority List Item No. 6 regarding site specific water quality objectives for the area of Helendale and Silver Lakes. The estimated budget for all three phases is between $8 to $11 million, and potential SEP funds could be used as a match for various grants and loans. The project is consistent with the State Water Board's Recycled Water Policy which encourages the expansion and use of recycled water. The project is also consistent with the Governor's mandate to maximize the beneficial uses of the State's water.	Reclamation	San Bernardino County (Helendale)	Between $8M and $11M	Improved water quality of reclaimed water and potable water conservation.	No	No
6	McDonald Well Sourcing	Transition Habitat Conservancy	P.O Box 720026, Pinion Hills, CA 92372	Jill Bays (jill@baystranslations.com) 760-868-1400	To understand the recharge source of McDonald Well, one of a few spots in this region of the West Mojave where surface freshwater is available even during water stressed periods. Field activities will focus on geochemical sampling from 1) plausible recharge areas above Cuddeback Lake, 2) water beneath Cuddeback Lake, 3) McDonald Well and any springs in the general area, and 4) groundwater near or beneath Harper Lake. In addition, tritium, noble gases, and radiocarbon will be measured on a limited number of sites to facilitate age and recharge elevation determination.	Studies/Investigations	San Bernardino County (Lockhart/Hinkley)	$25,000.00	Improved knowledge about groundwater recharge rate and subsurface flow from the recharge areas to McDonald Well.	No	No
6	Mojave Desert Resource Conservation District - Dairy Nitrate Reduction Project	Mojave Integrated Water Management Plan Implementation Support Team	13846 Conference Center Dr., Victorville, CA 92307	Jeanette Hayhurst (jethayhurst@gmail.com) 760-946-7000	This project is designed to protect beneficial uses of groundwater within the Mojave River Basin from adverse impacts related to area agricultural operations. Potential SEP funds will be used to match NRCS/USDA funding (50 to 75 percent NRCS/USDA funding, potentially) to develop methods that agricultural producers can implement in order to be good stewards of the land and local resources. The project includes a combination of infrastructure and educational outreach. The project will result in a reduction of leaching nitrates and reduce the future need of groundwater remediation. Most of the likely project areas are within disadvantaged communities, and the project will address environmental justice concerns regarding availability of future clean water to these communities. The estimated budget varies with each specific type of project being contemplated.	Studies/Investigations; Pollution Prevention/Reduction	San Bernardino County (Mojave Watershed)	$88,000.00	Improved treatment processes for dairy waste and potential reduction in nitrate contamination of groundwater.		
6	Mojave Water Agency - Annual Cooperative Water Resources Program between Mojave Water Agency and United States Geological Survey	Mojave Integrated Water Management Plan Implementation Support Team	13846 Conference Center Dr., Victorville, CA 92307	Jeanette Hayhurst (jethayhurst@gmail.com) 760-946-7000	This annually-ongoing program (since 1991) is an integral part of the Mojave Water Agency's ability to understand and manage the basins within its service area. Data from this project is used to support the Mojave IRWM Plan, the Mojave IRWM Salt Nutrient Management Plan, and the Mojave Water Agency's Groundwater Management Plan. The estimated cost is $350,000 annually.	Monitoring Programs	San Bernardino County (Mojave Watershed)	$350,000/yr	Improved knowledge about water supply and water quality in groundwater basins within the Mojave Water Agency's service area.	Yes	Yes
6	Mojave Water Agency - Assistance Program for Small Water Systems	Mojave Integrated Water Management Plan Implementation Support Team	13846 Conference Center Dr., Victorville, CA 92307	Jeanette Hayhurst (jethayhurst@gmail.com) 760-946-7000	This current program identifies water supply, water quality, and infrastructure needs of small drinking water systems within the Mojave IRWM region and help connect them to available funding by identifying funding sources, assisting with grant applications/paperwork, etc. The program started in 2013 and is estimated to last for another six years. The program provides planning and construction grants for such projects as replacing 40 to 50 year old water mains, replacing old wells, installing water treatment systems, and setting small water systems up for safe and reliable future potable water service. Approximately 70 percent of the communities benefitting from this program are disadvantaged communities. Any additional funds would be used to supplement the existing $200,000 annual budget funded by the California Rural Water Association.	Studies/Investigations	San Bernardino County (Mojave Watershed)	$200,000/yr	Improved water quality, supply, and infrastructure within the Mojave Water Agency's service area.	Yes	Yes
6	Mojave Water Agency - Hexavalent Chromium Treatment Assistance Program	Mojave Integrated Water Management Plan Implementation Support Team	13846 Conference Center Dr., Victorville, CA 92307	Jeanette Hayhurst (jethayhurst@gmail.com) 760-946-7000	In collaboration with State and Federal funding agencies, this program will provide assistance to water systems to help meet the challenges and cost of hexavalent chromium treatment. The project will benefit water systems needing to complete feasibility studies, land acquisition, pilot projects, engineering and design, and construction of facilities to treat remove hexavalent chromium concentrations that exceed the maximum contaminant level. Many of these water systems are located within disadvantaged communities. The estimated cost varies with each specific water system.	Studies/Investigations; Pollution Prevention/Reduction	San Bernardino County (Mojave Watershed)	$127,000.00	Improved knowledge of extent of hexavalent chromimium plume in groundwater and improved treatment processes for hexavalent chromimium contaminated groundwater.	Yes	Yes
6	Mojave Water Agency - IRWM Plan Regional Water Quality Sampling Program	Mojave Integrated Water Management Plan Implementation Support Team	13846 Conference Center Dr., Victorville, CA 92307	Jeanette Hayhurst (jethayhurst@gmail.com) 760-946-7000	This project will take on the task of performing regional water quality collection and analysis across the Mojave IRWM Plan area. The project will focus on selecting key wells from the Mojave IRWM Plan area (and within the Lahontan Water Board region) and sampling these key wells at strategic times and locations. Data from this project will be used to support the Mojave IRWM Plan and the Mojave Water Agency's Groundwater Management Plan. The estimated cost is $175,000 annually.	Monitoring Programs	San Bernardino County (Mojave Watershed)	$1,250,000.00	Improved knowledge about water supply and water quality in groundwater basins within the Mojave Water Agency's service area.	Yes	Yes
6	Portal Ridge Wildlife Preserve	Transition Habitat Conservancy	P.O Box 720026, Pinion Hills, CA 92372	Jill Bays (jill@baystranslations.com) 760-868-1400	This project will include preservation and maintenance of the California poppy preserve located in the Portal Ridge Wildlife Preserve in the Antelope Valley Watershed. To achieve this, the Transition Habitat Conservancy will partner with California Department of Fish and Wildlife, US Forest Service, State Parks, and Los Angeles County and Kern County Planning Departments.	Habitat Restoration/Enhancement	Los Angeles, Kern Counties (Antelope Valley Watershed)	TBD	Restoration of poppy preserve wildlife area.	No	No
6	Sheep Creek Recharge Project	Transition Habitat Conservancy	P.O Box 720026, Pinion Hills, CA 92372	Jill Bays (jill@baystranslations.com) 760-868-1400	To understand the current regional water balance model for the Sheep Creek watershed locally and in the greater context of the Mojave River Basin, and to evaluate the influence of Sheep Creek Wash on that water balance model. The project will also evaluate the impact a Sheep Creek channelization project would have on groundwater influx rates and how the change will affect the overall water balance for the Mojave River Basin.	Studies/Investigations	San Bernardino County (Phelan/ Pinion Hills)	$29,100.00	Improved knowledge about Sheep Creek recharge locally and within the larger Mojave River Basin.	No	No

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6	West Mojave Abandoned Well Survey	Transition Habitat Conservancy	P.O Box 720026, Pinion Hills, CA 92372	Jill Bays (jill@baystranslations.com) 760-868-1400	Survey open wells on Bureau of Land Management land to identify unsecured and unused wells that present key risks to groundwater quality in the Western Mojave Desert. Work would consist of surveying the area south of the Garlock/Randsburg Road, east of the Sierra Nevada, west of U.S. Highway 395, and north of the San Gabriel Mountains. As part of the deliverables for this project, a complete inventory of wells along with recommendations and costs to abandon or retrofit the wells (for potential monitoring) would be included in the final report. Transition Habitat has already completed a portion of this survey in the Fremont-Kramer area.	Studies/Investigations	Los Angeles, Kern, San Bernardino Counties (Fremont-Kramer Desert area)	$36,000.00	Improved knowledge of abandoned wells which may present risks to groundwater quality and information to provide recommendations for corrective action.	No	No
7	Field Test To Determine the Feasibility of Growing Hybrid Paulownia Trees in Salton Sea Playa	EcoGreen Renewables, LLC	5036 Nighthawk Way, Oceanside, Ca 92056	Lee R. Shull: PhD, General Manager, Chief Scientist	This proposed project is designed to determine how well a fast-growing and commercially valuable tree – a unique hybrid Paulownia tree called the MegaFlora Tree® – will grow in Salton Sea playa. If the proposed study finds that MegaFlora trees do grow reasonably well in the playa, future afforestation of the tens of thousands of acres of Salton Sea playa with these unique trees would afford numerous environmental, public health, and socioeconomic benefits to the Imperial Valley. The proposed project will study and document the performance of the MegaFlora trees over 27 months. A control group of 100 trees on 0.33 acres will be planted in native Imperial Valley soil, and the test group of 100 trees will be planted on 0.33 acres in Salton Sea playa.	Various: public health, pollution prevention and reduction, environmental restoration and protection, project with environmental or public health benefits	6094 Poe Road, Brawley, Ca 92227	42,300	Growth of MegaFlora trees in Salton Sea playa include the following benefits: (1)mitigation of wind-blow dust that impact human health, ecosystems and stifling economic development in the valley; (2) restoration and enhancement of wildlife habitat around the Salton Sea; (3) remediatin of inorganic chemical pollutants in playa and local groundwater improving future land use (both human and ecological purposes); and (4) provision of high-quality biomass for renewable energy generation in the Imperial Valley.	Yes	Yes
7	Youth Watershed Awareness Program	Coachella Valley Waterkeeper (CVW)	72960 Fred Waring Dr. Ste 10, Palm Desert, Ca 92260	Nina Waszak, Associate Director	The Youth Watershed Awareness Program will be a cohesive and complete overview of the entire Coachella Valley Watershed over the course of 4 days. CVW will bring middle school and high school students to various points around the Coachella Valley, where they can conceptualize and understand their watershed in an interactive manner. The goal of this program is to bridge the current gap in knowledge amongst school kids about where their water comes from. This program will give the next generation the knowledge to become stewards of their community's most important resource, water. High school students will be given the opportunity to see what it is like to work in the environmental field around the Coachella Valley, as well as internship opportunities. The program plans for the students to visit the following locations: Day 1-Whitewater River Preserve and CVWD aquifer recharge station in North Palm Springs; Day 2-Coachella Valley Preserve and Lake Cahuilla; Day 3-Valley Sanitary District and 29 Palms Tribal EPA; Day 4-Torres Martinez Wetlands and the Salton Sea.	Environmental Compliance Promotion	Coachella Valley Watershed	15,000	This program will benefit both the community and the environment. Students will have the opportunity to engage with their studies in a hands on manner. They will learn about internship and career opportunities in the environmental field in their own communities. This program will educate and inspire our youth to become active participants in their community in regards to protecting their ecosystems and watershed.	Yes	Yes
9	San Juan Creek Estuary Restoration Opportunities Assessment	Trout Unlimited		George Southerland, scgsland@gmail.com, 949-633-6709	This two-year project will evaluate existing data and analyze potential restoration opportunities in the San Juan estuary. (10/16 DH 2588532)	Environmental Restoration and Protection, Assessments and Audits	San Juan Creek	$275,000	An analysis of potential restoration opportunities for future estuary restoration projects.	No	No
9	Septic System Maintenance and BMP Rebate Program	Mission Resource Conservation District	130 E. Alvarado St., Fallbrook, CA 92028	Courtney Provo, courtney@missionrcd.org, 760-728-1332	This two-year program will educate homeowners and provide rebates for septic system maintenance, reducing nutrients and bacteria entering San Luis Rey River (Updated 11/18 DH 4620548)	Pollution Prevention, Pollution Reduction	San Luis Rey	$165,070	Increased awareness and improved operation of septic systems discharging to an impared watershed.	No	No
9	Los Penasquitos Lagoon Inlet Restoration	Los Penasquitos Lagoon Foundation		Mike Hastings, mikehastings1066@gmail.com	Perform as-needed mechanized excavation from the lagoon mouth to improve tidal circulation (10/16 DH 2589571)	Pollution Reduction, Environmental Restoration and Protection	Los Penasquitos	$210,000	Beach nourishment, improved tidal circulation, improved water quality.	No	No
9	ReWild Mission Bay	San Diego Audubon	4010 Morena Blvd., San Diego, CA 92117	Andrew Meyer, Meyer@sandiegoaudubon.org, 858-273-7800 (x101)	Planning and implementation of up to 240 acres of wetland restoration in northeast Mission Bay (Updated 02/19 DH 4620491)	Environmental Restoration and Protection, Assessments and Audits	Mission Bay	Scalable up to $95.8 million	Improved water quality, tidal circulation, habitat functions, and coastal zone resilience (upon full implementation).	Yes	No
9	San Diego River Restoration and Monitoring	San Diego River Park Foundation	4891 Pacific Hwy #114, San Diego, CA 92110	Sarah Hutnacher, Sarah@sandiegoriver.org, 619-297-7380 (x 102)	Leverage citizen volunteers to do recurring strategic trash cleanups and water quality monitoring (10/16 DH 2588676)	Pollution Reduction, Environmental Restoration and Protection, Assessments and Audits	San Diego River	Scalable by task from $3,000 to $15,000 per year	Increased awareness, improved habitat, less trash transported to river and pacific ocean.	No	No
9	Ocean Connectors Habitat Restoration and Education Project	The Ocean Foundation	1875 Quivira Way, San Diego, CA 92109	Frances Kinney, Frances@oceanconnectors.org, 619-336-7744	Scalable education opportunities to EJ communities through hands-on wetland restoration in National City (Updated 5/19 DH 4573242)	Pollution Reduction, Environmental Restoration and Protection, Assessments and Audits	San Diego River	Scalable up to $500,000	Increased awareness and habitat restoration.	Yes	No
9	Tijuana River Watershed Sediment Management Plan	City of San Diego	9370 Chesapeake Dr #100, San Diego, CA 92123	Vicki Kalkirtz, Vkalkirtz@sandiego.gov, 858-541-4326	Phase II of a Hydraulic and Hydrologic Study to expand analysis to include segments of the Tijuana River which pass through Mexico, in partnership with the USACE. Use results from Phase I and II studies to develop a Sediment Management Plan (10/16 DH 2588459)	Assessments and Audits	Tijuana River	Scalable up to $600,000	Improved understanding of upgradient hydrology to better design downstream treatment controls.	Yes	No
9	Evaluating BMP Effectiveness for Human Pathogens	Southern California Coastal Water Research Project	3535 Harbor Blvd # 110, Costa Mesa, CA 92626	Kenneth Schiff, kens@sccwrp.org, 714-755-3202	This two-year project will rank which BMPs are most effective for pathogen removal and provide an optimal BMP placement strategy. (10/16 DH 2589510)	Assessments and Audits	Regionwide	$345,000	Increased awareness, improved BMP selection for future projects.	No	No

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9	Creating Tools to Assess Adverse Effects of Organic Matter Pollution on Estuarine Sediment	Southern California Coastal Water Research Project	3535 Harbor Blvd # 110, Costa Mesa, CA 92626	Martha Sutula, marthas@sccwrp.org, 714-755-3222	14-month project to develop causal assessment tools that identify impacts from sediment organic matter loading (10/16 DH 2589535)	Assessments and Audits	Regionwide	Scalable up to $125,000	Refined tool and regulatory endpoints to assess impacts of sediment organic matter in San Diego bar built estiaries.	No	No
9	Cleanup OC	OC Coastkeeper	F #110, 3151 Airway Ave, Costa Mesa, CA 92626	Ray Hiemstra, ray@coastkeeper.org, 714-850-1965 (x304)	Host south Orange County beach cleanups and trash assessments (10/16 DH 2587118)	Pollution Reduction	San Juan Creek	$210,000	Increased awareness, less trash along coastal beaches.	No	No
9	Conservation Plans and Nutrient Reduction BMP Implementation Program	Mission Resource Conservation District	130 E. Alvarado St., Fallbrook, CA 92028	Courtney Provo, courtney@missionrcd.org, 760-728-1332	Two years of residential outreach for pollutant reduction using education and BMP implementation (Updated 11/18 DH 4620560)	Pollution Reduction and Environmental Compliance Promotion	San Luis Rey	$252,350	Increase structural and non-structural BMPs to reduce nutrients in an impaired water body.	No	No
9	San Luis Rey Watershed Non-Native Plant Control	Mission Resource Conservation District	130 E. Alvarado St., Fallbrook, CA 92028	Courtney Provo, courtney@missionrcd.org, 760-728-1332	Three years of retreatment and removal of Arundo and/or other invasive plant species in accordance with established program (Updated 11/18 DH 4620565)	Environmental Restoration and Protection	San Luis Rey	Scalable up to $536,450	Habitat restoration.	No	No
9	Escondido Creek Invasive Plant Removal	The Escondido Creek Conservancy	120 W Grand Ave suite 202, Escondido, CA 92025	Ann Van Leer, information@escondidocreek.org, 760-471-9354	Continue efforts for removal of exotic invasives, including 1 year of retreatment (Updated 11/18 DH 4620577)	Environmental Restoration and Protection	Escondido Creek	84,250	Habitat restoration.	No	No
9	San Dieguito River Invasive Plant Removal and Restoration	San Diego River Park Joint Powers Authority	San Dieguito River Park JPA 18372 Sycamore Creek Rd. Escondido, CA 92025	Shawna Anderson, shawna@sdrp.org, 858-674-2275 (x13)	Implement weed treatment/control in accordance with the San Pasqual Valley Integrated Week Management Plan, focusing on tamarisk and eucalyptus (10/16 DH 2588385)	Environmental Restoration and Protection	San Dieguito	Scalable up to $281,000	Habitat restoration.	No	No
9	Treatment of Tamarisk within the Tijuana Slough National Wildlife Refuge	Southwest Wetlands Interpretive Association	708 Seacoast Dr # A, Imperial Beach, CA 91932	Mayda Winter, swiaprojects@aol.com, 619-575-0550	Improve valuable wetland habitat by controlling tamarisk (10/16 DH 2588671)	Environmental Restoration and Protection, Assessments and Audits	Tijuana River	Scalable from $50,000 to $500,000	Habitat restoration.	Yes	No