

ID	Watershed	Proponent	Contact	Contact e-mail	Phone	Extension	Project Name	Project Timeframe	Estimated Cost	Project Description
7	Los Angeles River	Heal the Bay	James Alamillo	jalamillo@healthebay.org	(310) 451-1500	115	Compton Creek Monitoring Program	2 years	\$65,000	<p>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.</p>

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12	Los Angeles River	City of Downey, California	Gerald Greene	ggreene@downeyca.org	(562) 904-7112		Hollydale Drain diversion, Infiltration System, and Park	Varies	Varies	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.

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13	Los Angeles River	City of Downey, California	Gerald Greene	ggreene@downeyca.org	(562) 904-7112		Rio Hondo Diversion and Pocket Park	Varies	Varies	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.

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23	Los Angeles River	The Council for Watershed Health	Wendy Ramallo, Executive Officer	wendy@watershedhealth.org	(213) 229-9945		Arundo Removal and Restoration in Little Tujunga Canyon	Ongoing	\$95,000	<p>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 or 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 Los Angeles River watershed because most stream courses have been channelized. A regional goal of eradicating Arundo from the watershed 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.</p> <p>Arundo currently overruns the stream portion of Middle Ranch, a large equestrian center between Angeles National Forest and Hansen Dam Recreation Area. About 10 acres nearly fills one-half mile of canyon floor. 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. Permits are in place. A Streambed Alteration Agreement, issued by CA Dept. Fish &amp; Game in November 2009 (valid until November 2014), authorizes work on Arundo and exotic vegetation removal impacting the Los Angeles River and tributaries in Los Angeles County. The estimated cost for Arundo removal is \$9,500 per acre.</p>

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25	Los Angeles River	The Council for Watershed Health	Wendy Ramallo, Executive Officer	wendy@watershedhealth.org	(213) 229-9945		Mapping of Native Riparian Vegetation in the Los Angeles River Watershed	2 years	\$110,000	<p>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.</p> <p>Beneficial uses include: Habitat restoration/enhancement, Wildlife Habitat, and Non Contact Water Recreation (REC 2)</p>

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34	Los Angeles River	The Council for Watershed Health	Wendy Ramallo, Executive Officer	wendy@watershedhealth.org	(213) 229-9945		Shoestring Park	2 years	\$500,000	We propose to enhance a linear strip of the County's Flood Control right-of-way, to create a narrow native habitat park and stormwater infiltration facility in Sun Valley between Glenoaks 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 Glenoaks Blvd. project that would include a county access road and bikeway, seating walls, a stormwater 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.

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39	Los Angeles River	The River Project	Melanie Winter	winter@theriverproject.org	(808) 980-9660		Water LA Residential Stormwater Parkway Retrofits	Ongoing	approx. \$3,000 per retrofit	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.

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40	Los Angeles River	The Trust for Public Land	Natalia Gaerlan	Natalia.Gaerlan@tpl.org	(323) 223-0441		South LA Green Alleys	2 years per alley	Varies	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.



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41	Los Angeles River	The Trust for Public Land	Robin Mark	Robin.Mark@tpl.org	(323) 223-0441		South Gate Urban Orchard	Varies	\$1 -\$9 million	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.

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42	Los Angeles River	The Trust for Public Land	Robin Mark	Robin.Mark@tpl.org	(323) 223-0441		Los Angeles River & Aliso Creek Confluence Green Infrastructure Project	4 years	\$1,662,000	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.

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43	Los Angeles River	The Trust for Public Land	Paolo Perrone	Paolo.Perrone@tpl.org	(323) 223-0441		Beverly Storm Water Capture Project	1 year (plus)	\$250,000 (first acquisition)	<p>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.</p> <p>A minimum of \$250,000 is needed for the first (acquisition) phase of the project, which is expected to take one year once all funds are raised for the acquisition.</p>