UPPER LA RIVER

Round 4 Project Submissions

September 7, 2022

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Round 4 Project Submissions

Program	Preliminary Total SCW Funding Requested	Preliminary Projects Submitted
Infrastructure Program (>85%)	~$120M	13*
Technical Resources Program (≤10%)	$0	0
Scientific Studies Program (≤5%)	~$4M	2*
TOTAL	**~$ 124M**	**15**

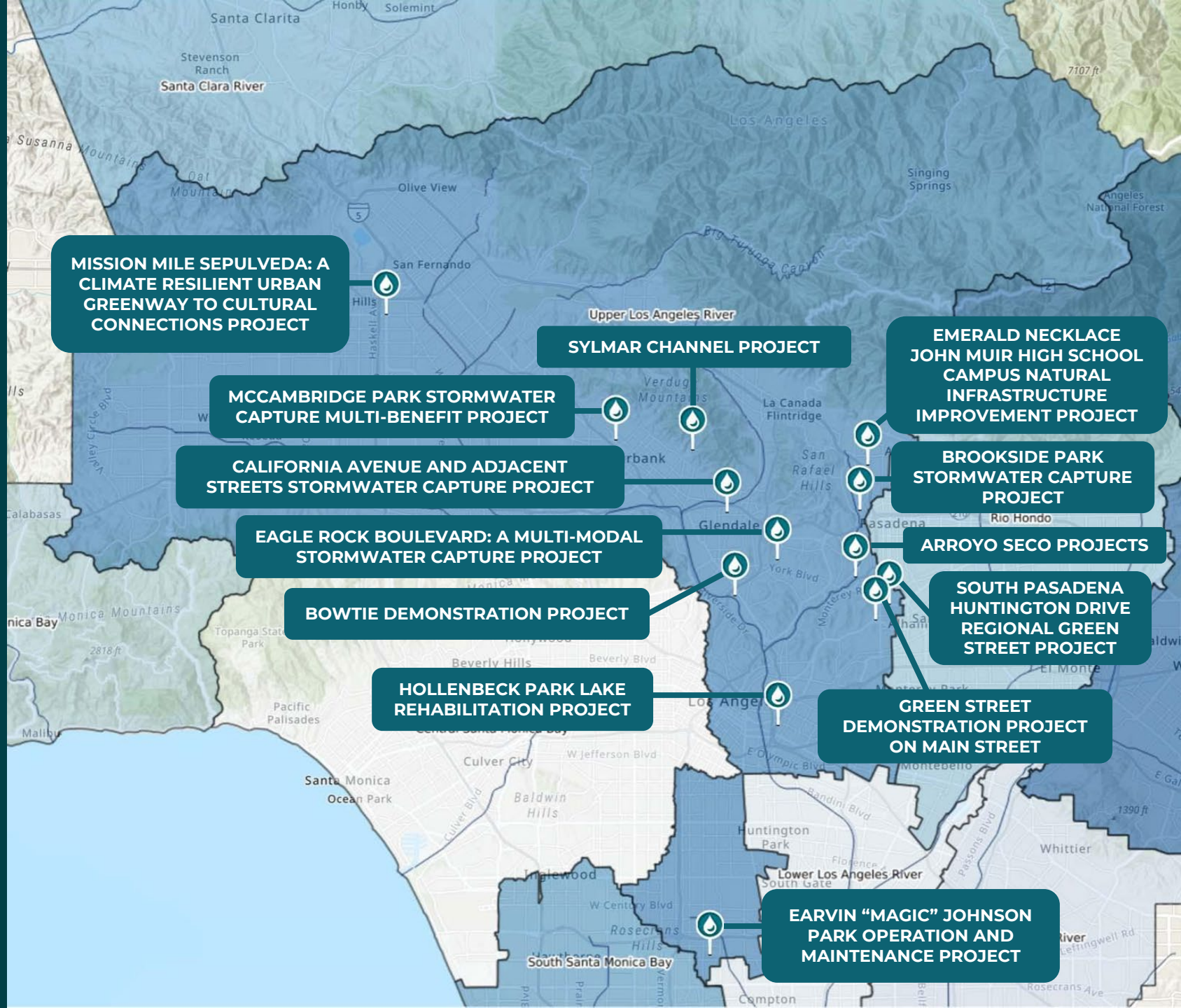
*Values subject to change pending completeness check by the District

Infrastructure Program

Project Title	Project Proponent	Funding Amount
Arroyo Seco Projects	City of South Pasadena	$33,995,086.06
Brookside Park Stormwater Capture Project	City of Pasadena	$2,198,612.00
Bowtie Demonstration Project (Updated)	The Nature Conservancy	$7,164,575.00
California Avenue and Adjacent Streets Stormwater Capture Project	City of Glendale	$2,970,899.00
Eagle Rock Boulevard: A Multi-Modal Stormwater Capture Project	City of LA, Department of Public Works, StreetsLA	$7,632,723.00
Emerald Necklace John Muir High School Campus Natural Infrastructure Improvement Project	Amigos de los Rios	$1,891,500.00
Earvin "Magic" Johnson Park Operation and Maintenance Project	LA County Public Works	$1,625,000.00
Green Street Demonstration Project on Main Street	City of Alhambra	$3,773,000.00
Hollenbeck Park Lake Rehabilitation Project	City of LA, Department of Public Works, LASAN	$25,161,316.00
McCambridge Park Stormwater Capture Multi-Benefit Project	City of Burbank Public Works Department	$2,930,000.00
Mission Mile Sepulveda: A Climate Resilient Urban Greenway to Cultural Connections Project	City of LA, Department of Public Works, StreetsLA	$22,914,301.00
South Pasadena Huntington Drive Regional Green Street Project	City of South Pasadena	$2,986,000.00
Sylmar Channel	City of LA, Department of Public Works, LASAN	$5,005,515.00
Total Request		**$120,248,527.06**

Round 4 Project Submissions:

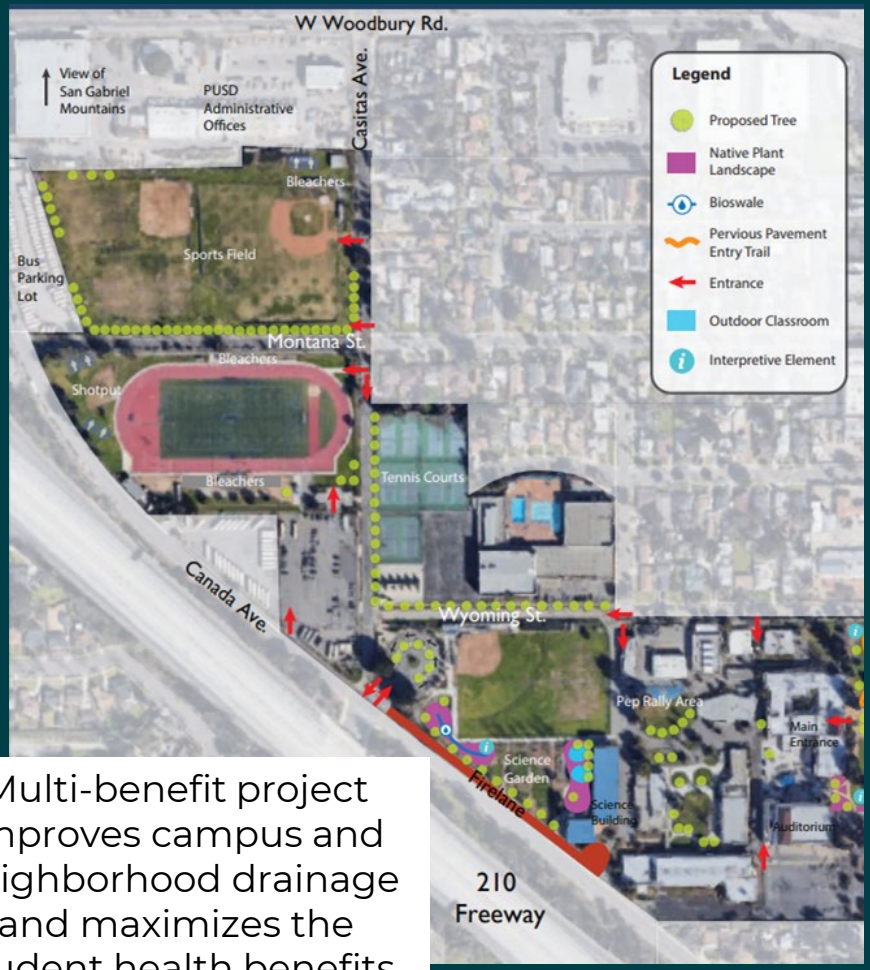
Infrastructure Program



Emerald Necklace John Muir High School Campus Natural Infrastructure Improvement Project

Estimated Module Score: 66

Lead, Location, Timeline:	• Lead: Amigos de los Rios • Location: 1905 Lincoln Avenue, Pasadena, CA 91103 • Timeline: Planning – 4/2024; Design – 6/2024; Construction – 10/2025
Total Request:	• $1,891,500 over five years • Year 1 funding request: $404,400
Benefits Include:	• Campus greening: immersive outdoor learning areas, urban forest, reduce heat island effect • Stormwater capture (22 acre capture area), improve nuisance flooding on campus and in neighborhood
Claimed Disadvantaged Community Benefits:	• Not located within a census tract designated disadvantaged • Title 1 school that predominantly serves students from nearby DAC/ LIC areas • Community hub, cooling, education
Community Support:	• 7 support letters from the Principal, PUSD Superintendent, and Alumni Assoc., non-profits and community-based organizations • Amigos de los Rios had been conducting outreach for almost six years

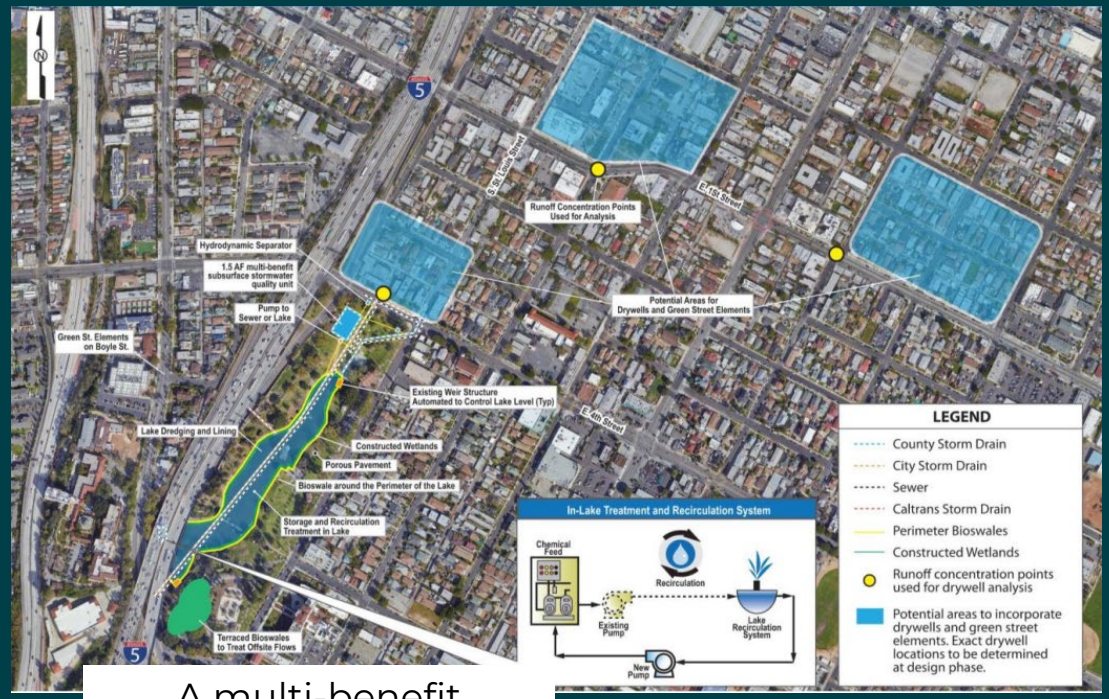


Multi-benefit project improves campus and neighborhood drainage and maximizes the student health benefits of sustainable campus greening

Hollenbeck Park Lake Rehabilitation Project

Estimated Module Score: 85

Lead, Location, Timeline:	• City of LA, Department of Public Works, LASAN; Additional Project Collaborator: City of LA, Department of Recreation and Parks • Location: 415 S. St Louis Street, Los Angeles, CA 90033 • Timeline: Planning – 12/2023; Design – 10/2025; Construction – 10/2027
Total Request:	• $25,161,316 over five years • Year 1 funding request: $482,582
Benefits Include:	• Captures 347.7 ac-ft/ year of runoff, subsurface and in-lake storage • Removes 81% zinc and 100% trash from captured runoff
Claimed Disadvantaged Community Benefits:	• Within a census block group designated disadvantaged • Reducing pollutants in local runoff, providing localized flood mitigation benefits, increased shade, improved air quality, and reduced heat island effect
Community Support:	• Support letters from Council District 14, Promesa Boyle Heights

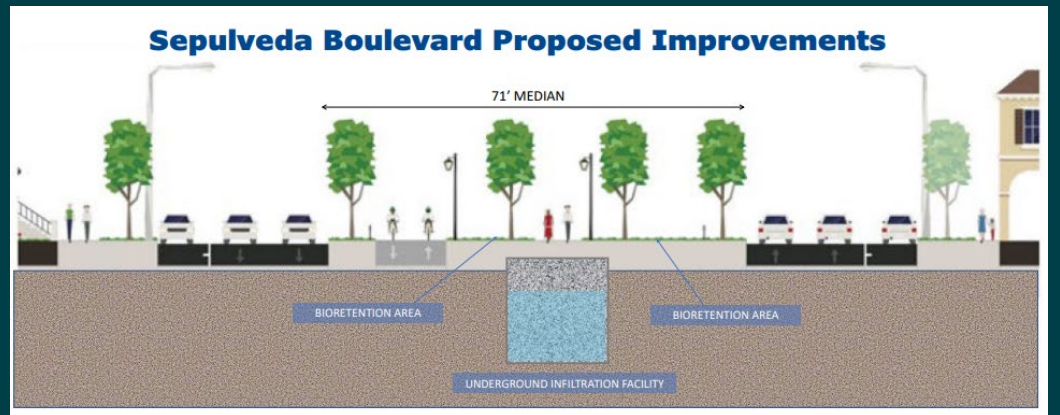


A multi-benefit stormwater project that will improve water quality and increase water supply in Boyle Heights and the ULAR watershed

Mission Mile Sepulveda: A Climate Resilient Urban Greenway to Cultural Connections Project

Estimated Module Score: 68

Lead, Location, Timeline:	• Lead: City of Los Angeles, Department of Public Works, StreetsLA • Location: Sepulveda Boulevard between Rayen Street and Rinaldi Street, Los Angeles, CA 91345 • Timeline: Planning – 7/2022; Design – 6/2025; Bid/ Award – 12/2025; Construction – 6/2028
Total Request:	• $22,914,301 over five years • Year 1 funding request: $1,593,563 • Leverages $22.92M in Caltrans ATP Cycle 5 funding
Benefits Include:	• Captures stormwater from a 386-acre drainage area and infiltrates over 100 ac-ft • Widened meridian, safety improvements, active transportation • Up to additional 597 trees and 2.5 acres of shrubs and grasses
Claimed Disadvantaged Community Benefits:	• Intersects 6 Block Groups designated disadvantaged • Safer transportation alternatives and green space benefits
Community Support:	• 12 Support letters from grassroots organizations, non-profits, schools, business, LA City Council and Mayor's Office, CA Assembly 46th District, Fernandeño Tataviam Band of Mission Indians



Regional and onsite stormwater capture and infiltration facility along 3.63 miles of Sepulveda Blvd between Rayen Street and Rinaldi Street

South Pasadena Huntington Drive Regional Green Street Project*

Estimated Module Score: 87

Lead, Location, Timeline:	• Lead: City of South Pasadena • Location: Huntington Drive & Marengo Avenue, South Pasadena, CA 91030 • Timeline: Planning – 2/2024; Design – 12/2024; Bid/ Award – 04/2025; Construction – 12/2027
Total Request:	• $2,986,000 over five years • Year 1 funding request: $500,000 • Cost share: 50% funding match being sought
Benefits Include:	• 100% MS4 compliance for 678-acre drainage area; more than 100 AFY water supply • Flood risk mitigation, Replacement of non-native vegetation with 100 native trees and plants
Claimed Disadvantaged Community Benefits:	• No
Community Support:	• Support letters from the City of South Pasadena District 5, City of Pasadena

*Previously approved TRP; apps may be different than what was submitted to the TRP

Project diverts stormwater from City and County storm drains to an infiltration facility installed under a green street in South Pasadena

McCambridge Park Stormwater Capture Multi-Benefit Project*

Lead, Location, Timeline:	• Lead: City of Burbank Public Works Department; Additional project collaborators: City of Burbank Parks and Recreation Department, Los Angeles Department of Water and Power • Location: 1515 North Glenoaks Blvd., Burbank, CA 91504 • Timeline: Planning - 07/2022, Design - 12/2025; Construction - 09/2028
Total Request:	• $2,930,000 over five years • Year 1 funding request: $650,000 • Cost share: 25% funding match from the City of Burbank • Round 2 TRP funding, FY21-22
Benefits Include:	• Improved water quality in the Burbank Western Channel and LA River • Increased water supply in the San Fernando Valley Groundwater Basin through infiltration • Addition of native plants and trees will provide shade and improve air quality
Claimed Disadvantaged Community Benefits:	• No, but nearly DAC block groups adjacent to the park will benefit from new recreational opportunities, shade, and ADA access pathways • DAC block groups located downstream will benefit from the water quality improvements of the Burbank Western Channel and Los Angeles River
Community Support:	• Letters of support from the City of Burbank, LADWP, Burbank Eco Council,Burbank Tennis Center, Burbank Veterans Committee, Robin Gemmill: Burbank Sustainable Commissioner, Parks, Recreation and Community Services Board, Senior Citizen Board, and TreePeople

Estimated Module Score: 64

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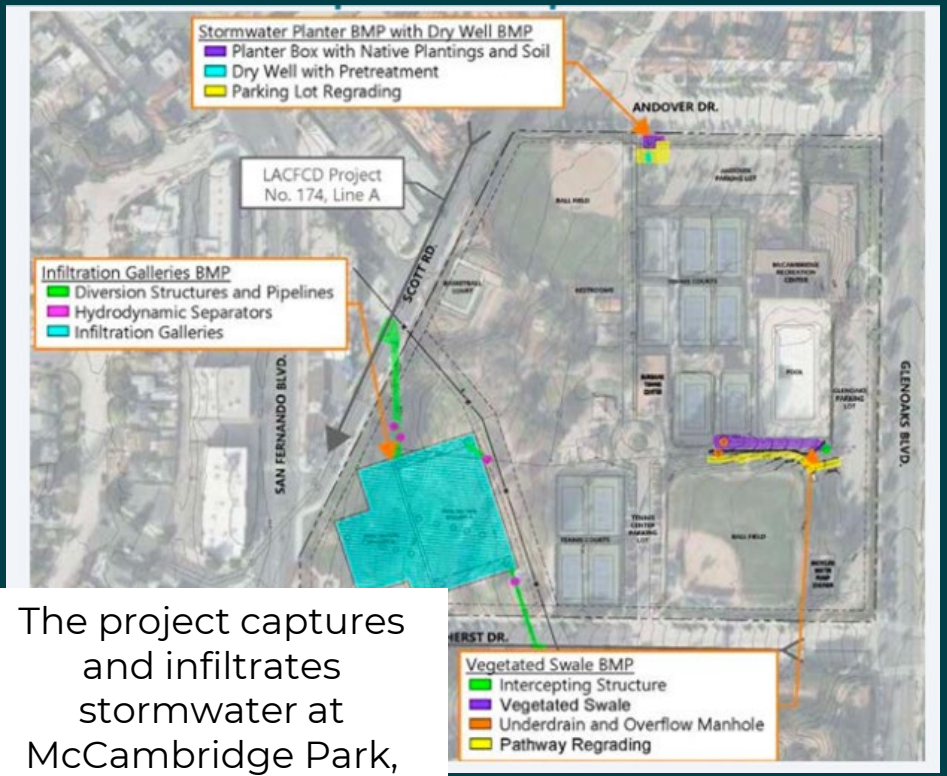
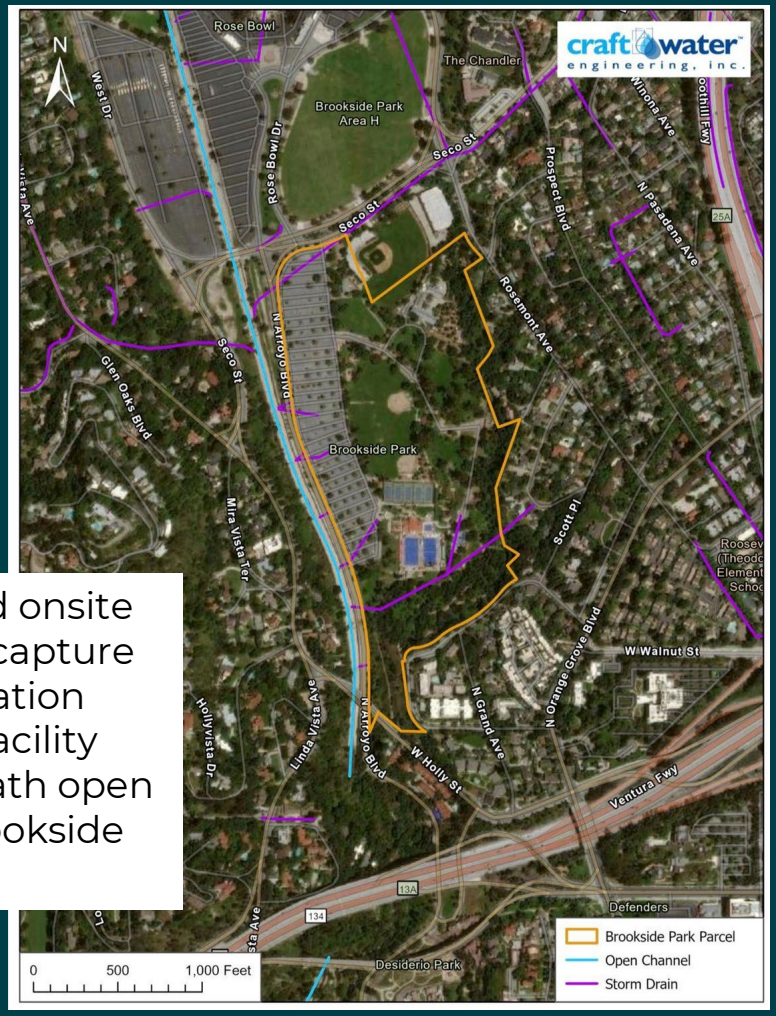


The project captures and infiltrates stormwater at McCambridge Park, improving water quality, groundwater recharge, and Park amenities

Brookside Park Stormwater Capture Project

Estimated Module Score: 70

Lead, Location, Timeline:	• City of Pasadena • Location: 360 N. Arroyo Blvd., Pasadena, CA 91103 • Timeline: Planning - 02/2023; Design - 02/2024; Construction - 10/2026
Total Request:	• $2,198,612 for one year
Benefits Include:	• Improved water quality within the Arroyo Seco and Upper Los Angeles River • Reduction of local and downstream flooding during storm events • Restoration of the existing parking lot, providing improved pavement and new native vegetation • Increase the available water supply and supplement the Raymond Groundwater Basin
Claimed Disadvantaged Community Benefits:	• No
Community Support:	• Letter of support from the City of Pasadena



Regional and onsite stormwater capture and infiltration diversion facility located beneath open space at Brookside Park

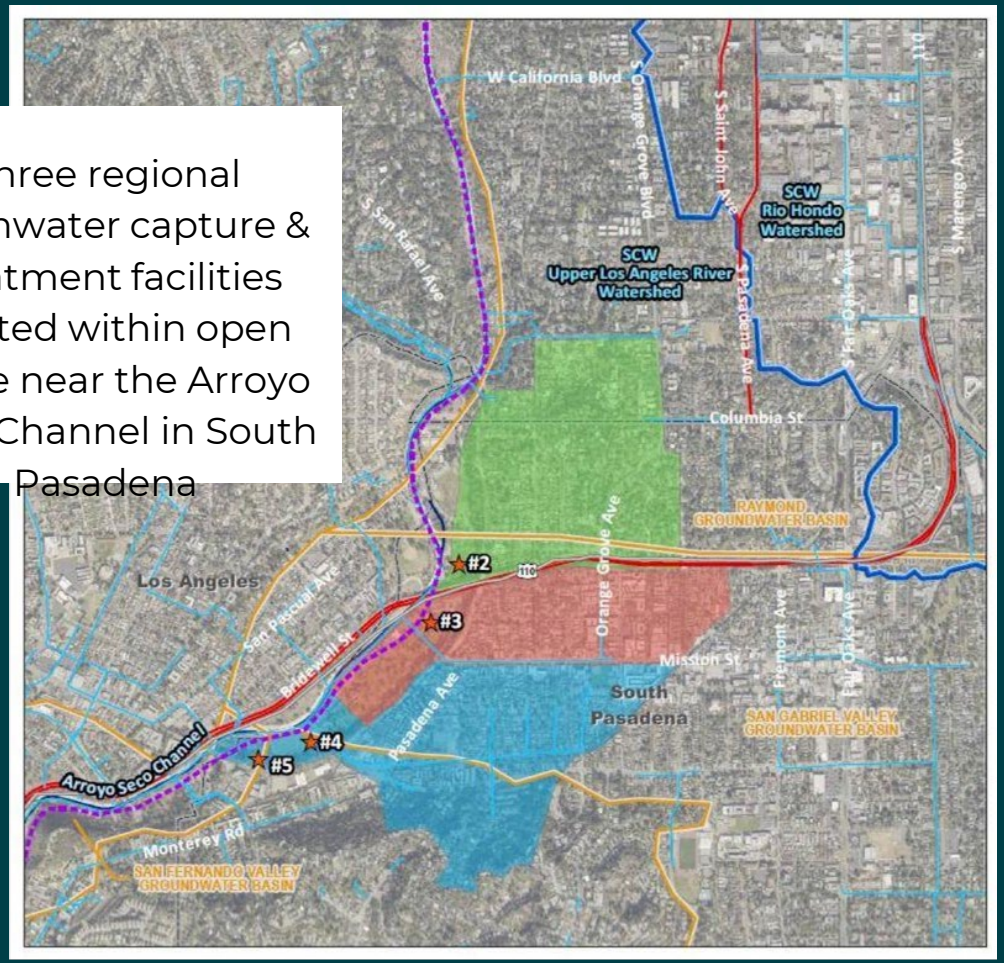
Arroyo Seco Projects*

Estimated Module Score: 70

Lead, Location, Timeline:	• City of South Pasadena • Location: 1055 Lohman Lane, South Pasadena, CA 91030 • Timeline: Design - 12/2025; Planning - 07/2028; Construction - 07/2028
Total Request:	• $33,995,086.06 over five years • Year 1 funding request: $1,000,000
Benefits Include:	• Compliance with EWMP goals through the capturing and treatment of stormwater runoff and dry weather flows • Increased groundwater supply through infiltration • Enhanced park space and increased drought tolerant, native landscaping
Claimed Disadvantaged Community Benefits:	• Not in a DAC, but Improved water quality in the Arroyo Seco Channel will benefit DACs in adjacent neighborhoods • Enhancement and restoration of existing unused areas along the Arroyo Seco Channel
Community Support:	• Letters of support from Active SGV and Caltrans

*Previously approved TRP; apps may be different than what was submitted to the TRP

Three regional stormwater capture & treatment facilities located within open space near the Arroyo Seco Channel in South Pasadena



Sylmar Channel Project

Estimated Module Score: 90

Lead, Location, Timeline:	• City of Los Angeles, Department of Public Works, LASAN; Additional project collaborators: LADWP • Location: 13344 Glenoaks Blvd., Sylmar, CA 91342 • Timeline: Planning - 12/2023; Design - 10/2025; Construction - 12/2026
Total Request:	• $5,005,515 over four years • Year 1 funding request: $790,584 • Cost share: $3,300,000.00 - LADWP agreement, $1,709,101.00 - LASAN municipal funds
Benefits Include:	• Improved water quality and increased water supply in the ULAR watershed • Flood mitigation, environment restoration, enhanced filtration, and green street network components • Improvements to the channel will enhance safety and provide recreational opportunities for the neighborhood
Claimed Disadvantaged Community Benefits:	• Approximately 45 new trees and greening will provide additional shade, improve air quality, and reduce heat island effect • Improved water quality from reduced pollutants in local runoff
Community Support:	• Letters of support from LADWP, Sylmar Channel North East Trees, Sylmar Christian Fellowship, Tia Chucha's Centro Cultural & Bookstore, Fernandeno Tataviam band of Mission Indians, Los Angeles Walks, Church of the Foothills-Sylmar, and Council District 7 • 27 letters of support from local community members

Improvements to the existing Sylmar Channel and implementation of greet street elements to increase water supply & improve water quality

Eagle Rock Boulevard: A Multi-Modal Stormwater Capture Project

Estimated Module Score: 65

Lead, Location, Timeline:	• City of Los Angeles, Department of Public Works, StreetsLA • Location: Eagle Rock Blvd., between Westdale Avenue and York Blvd., Los Angeles, CA 90041 • Timeline: Planning - 07/2022; Design - 12/2024; Bid/Award - 06/2025; Construction - 06/2027
Total Request:	• $7,632,723.00 over four years • Year 1 funding request: $1,089,238 • Cost share: $16,362,000.00 - Caltrans & Metro - 710 North Mobility Improvement Projects (710MIP)
Benefits Include:	• Increased corridor safety while encouraging water conservation and biodiversity • Compliance in the ULAR EWMP and improved water quality in the Upper LA River Watershed through biofiltration • Green street elements and nature-based stormwater management solutions
Claimed Disadvantaged Community Benefits:	• Intersects two DAC Census Block Groups of approx. 5,035 people • Increased cyclist safety as well as improved pedestrian safety • Reduction in local urban heat island effect and improved mental health
Community Support:	• Letters of support from Temple Beth Israel of Highland Park and Eagle Rock, Los Angeles City Council District 14, US House of Representatives 34th District Office, CA Assembly 51st District Office, Los Angeles County Metropolitan Transportation Authority, County of Los Angeles Public Health, Occidental College, Eagle Rock Junior/Senior High School, Eagle Rock Elementary & Magnet Center, Eagle Rock Neighborhood Council (ERNC), The Eagle Rock Association (TERA), Eagle Rock Chamber of Commerce, Solheim Senior Community, Los Angeles County Bicycle Coalition, Los Angeles Walks, East Area Progressive Democrats (EAPD)

Regional dry-weather & biofiltration at Eagle Rock Blvd between Westdale Ave and York Blvd to complement 2.7 miles of ATP improvements

Green Street Demonstration Project on Main Street*

Lead, Location, Timeline:	• City of Alhambra • Location: 2799 W Main St, Alhambra, CA 91801 • Timeline: Planning - 07/2022; Design - 04/2026; Construction - 04/2026
Total Request:	• $3,773,000.00 over three years • Year 1 funding request: $394,000 • Cost share: 25% / $1,259,000 funding match from City of Alhambra
Benefits Include:	• 8.72 acre-feet of treated stormwater annually • 58,000 square feet of new habitat and park space with grass removal, 40 street trees • Increased biodiversity • Educational signage w/ project benefits • ADA accessible crosswalks
Claimed Disadvantaged Community Benefits:	• No • Project benefits extend to nearby communities • DAC census tract within a 1-mile
Community Support:	• Letters of Support from Smart Timer Rebate and Active SGV

Estimated Module Score: 72

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Multi-benefit project to reduce stormwater runoff volumes and pollutant loads; enhance open space, include native plants and habitat; and demonstrate to the public the benefits of green infrastructure

Earvin "Magic" Johnson Park Operation and Maintenance Project

Estimated Module Score: 71

Lead, Location, Timeline:	• LA County Public Works, Additional Project Collaborators: Los Angeles County Development Authority, Los Angeles County Department of Parks and Recreation, Los Angeles County Flood Control District • Location: 905 E El Segundo Boulevard, Los Angeles, CA 90059 • Timeline: 5 Years
Total Request:	• $1,625,000 over 5 years • Year 1 funding request: $325,000 • Cost share: 50% / $1,625,000 from the County of Los Angeles municipal funds
Benefits Include:	• O&M of pump station, treatment facility & stormwater BMPs • Improved water quality and supply through the capture and treatment of stormwater and urban runoff, all while improving the open space and recreational amenities of the Park • Divert and treat urban and stormwater runoff for on-site for reuse to help fill lake levels as well as irrigate park landscape
Claimed Disadvantaged Community Benefits:	• Entirely within a census block group designated disadvantaged • All diverted runoff of the project will be from a DAC, which will ultimately be diverted into the man- made lake at the Earvin "Magic" Johnson Park. • Major park improvements including a renovated lake, a community center, park benches, and drought tolerant landscaping all around the lake
Community Support:	• The Project demonstrates strong local, community-based support, as showcased through the awards received, site tours and community testimonials provided through outlets such as news articles

O&M of existing stormwater components, as well as the recreational and educational amenities provided by the recently constructed project

California Avenue and Adjacent Streets Stormwater Capture Project

Estimated Module Score: 84

Lead, Location, Timeline:	• Lead: City of Glendale • Location: Brand Blvd to Glendale Ave, Doran St to Wilson Ave • Timeline: Planning - 09/2023; Design - 06/2024; Construction - 04/2025
Total Request:	• $2,970,899 over 5 years • Year 1 funding request: $289,810 • Cost share: 25% / $990,318 total capital cost from City's State Gas Tax Funds
Benefits Include:	• Captures and treats 10 ac-ft to improve water quality and reduce flooding • 24 drywells, 24 bioretention swales, 9,980 linear ft of permeable concrete, and 48 trees • Improvements for R.D. White Elementary School including ADA sidewalk and capturing 1.5 acres from the playground
Claimed Disadvantaged Community Benefits:	• Located within a census block designated as disadvantaged • Increased greening, shade, reduced urban heat island effect, and improved air quality • Improved aesthetics for passive recreation and educational opportunities • Improvements to the area surrounding R.D White Elementary improvement routes to school
Community Support:	• 3 letters of support from Glendale Unified School District, Glendale Environmental Coalition, and Walk Bike Glendale

The Project will provide 24 drywells, 24 bioretention swales, permeable concrete and 48 trees providing multiple benefits to the community

Bowtie Demonstration Project

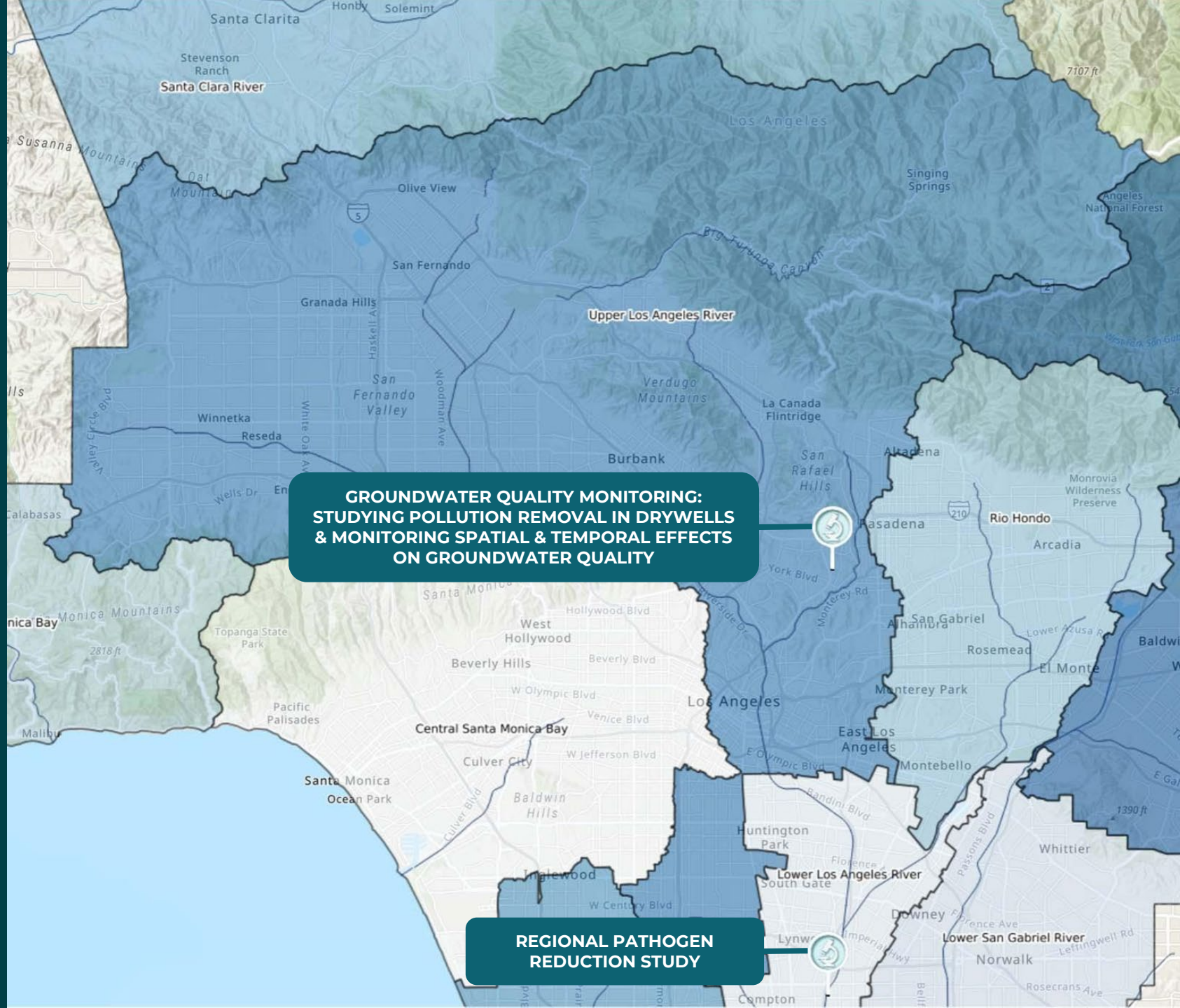
Estimated Module Score: 67

Lead, Location, Timeline:	• Lead: The Nature Conservancy, Additional Project Collaborators: California Department of Parks and Recreation • Location: 2780 W Casitas Ave, Los Angeles, CA 90039 • Timeline: Construction - 2023-2025; O&M- 2024-2050
Total Request:	• $ 7,164,575 over 5 years • Year 1 funding request: $500,000 • Cost share: $2,511,289 from Prop 68 Grant and Department of Toxic Substance Control (DTSC)'s Office of Brownfield's Equitable Community Revitalization Grant (ECRG) Funding.
Benefits Include:	• Improved dry weather water quality of the LA River, as well as improved flood management and flood mitigation • Newly constructed wetland with increased biodiversity, wildlife support, and water storage for irrigation • Access to waterways, new trails, and educational programming for visitors
Claimed Disadvantaged Community Benefits:	• Yes, DAC census tract within .2 miles • Riverfront access with recreational space, and educational opportunities and connections to schools • Reduced urban heat island effect in the surrounding area and provide public health improvements
Community Support:	• 11 letters of support from Elysian Valley Riverside Neighborhood Council, Anahuak Youth Sports Association, Atwater Village Neighborhood Council, Friends of the Los Angeles River, Clockshop, Glassell Park Neighborhood Council, Los Angeles River State Park Partners, Representative Adam B Schiff, Senator Maria Elena Durazo, Supervisor Hilda L Solis, and Supervisor Sheila Kuehl • The project engaged the surrounding communities including CBOs and formed partnerships with tribal members in the project area to solicit input, and partnered with organizations to provide educational opportunities

The Project is a multi-benefit stormwater management and habitat enhancement demonstration project along the LA River

Round 4 Project Submissions:

Scientific Studies



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Scientific Studies Program (≤5%)	~$4M	2*
TOTAL	~$ 124M	15

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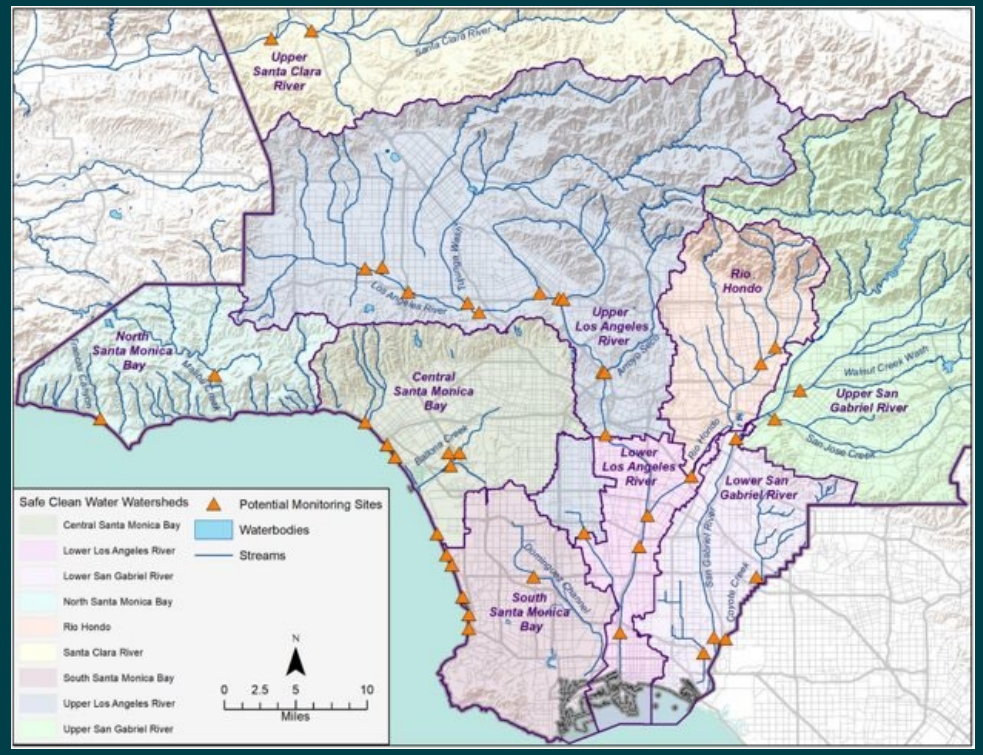
Scientific Studies

Project Title	Project Proponent	Funding amount
Regional Pathogen Reduction Study	Gateway Water Management Authority	$2,328,277.14
Groundwater Quality Monitoring: Studying Pollution Removal in Stormwater Drywells and Monitoring the Spatial and Temporal Effects of Stormwater Drywells on Local Groundwater Quality	California State Polytechnic University, Pomona	$1,691,188.00
Total Request		**$4,019,465.14**

Regional Pathogen Reduction Study

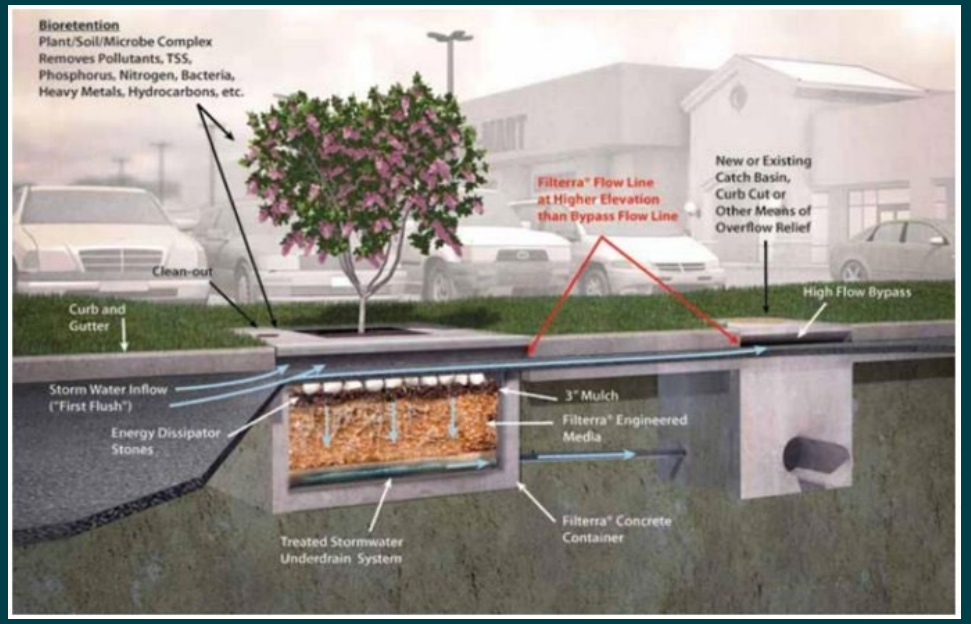
Lead, Location, Timeline:	• Lead: Gateway Water Management Authority; Additional Project Collaborators: Watershed groups and municipalities that have supported funding the project through the LLAR, NSMB, SCR, SSMB, and USGR WASC SIP's • Timeline: Study Completion – 06/2029
Total Request:	• $ 5,103,473.48 over 5 years (ULAR contribution: $2,328,277.14) • Year 1 funding request: $223,787.31 (ULAR contribution: $102,094.95)
Project Description:	• This Study aims to use the latest available science to measure water-borne pathogens across watersheds. It will help identify key sources of human health risk and develop cost-effective protective strategies
Benefits Include:	• By developing a better understanding of pathogens present in the region's watersheds, the relative risk to human health they pose, and the effectiveness of various control measures, new or adapted BMPs can be established that improve water quality and reduce human health risks at our beaches and inland waterbodies • Short-term: results could be used to protect people from health risks that aren't currently known • Long-term: results will enable the targeted placement of BMPs in locations where they can maximize the prevention or treatment of key sources of human pathogens
Study Objectives:	• Determine the sources of pathogens with the highest risk to human health • Identify the beaches and inland waterbodies within the MS4 Permit area where the risk to human health is higher so that E/WMPs can target those areas earlier in the implementation process • Identify management actions to address high-risk sources and areas more effectively



The latest science will be used to support the reduction of human pathogens and protect human health

Groundwater Quality Monitoring: Studying Pollution Removal in Stormwater Drywells and Monitoring the Spatial and Temporal Effects of Stormwater Drywells on Local Groundwater Quality

Lead, Location, Timeline:	• Lead: California State Polytechnic University, Pomona; Additional Project Collaborators: City of Los Angeles and Kindred Hydro Inc. • Timeline: Study Completion – 12/2026
Total Request:	• $ 1,691,188.00 over 5 years • Year 1 funding request: $ 598,172.00
Project Description:	• This study will address the need to quantify the removal rate of pollutants in pre-treatment systems and infiltration drywells and help understand mechanisms of pollutants' removal in infiltration drywell systems. It will also monitor groundwater quality near infiltration drywell projects spatially and temporally
Benefits Include:	• Gain an understanding of the potential impacts of stormwater infiltration on groundwater quality • Mitigate potential impacts with pre-treatment, ensuring that the investment in stormwater infiltration provides the maximum benefit to our water needs • Opportunity to train young engineers (mostly from disadvantaged communities) in the fields of local water supply and stormwater engineering
Study Objectives:	• Study and quantify removal of pollutants in existing drywell pre-treatment systems in Los Angeles County • Assess removal of pollutants through the soil column in drywell systems during infiltration • Understand the mechanism of pollutants' removal in native soil during infiltration • Monitor local groundwater quality around infiltration drywells spatially and temporally over a period of four years • Monitor the infiltration capacity of the drywells over the four years of the project and evaluate the potential for clogging to reduce the flow capacity of drywells



Groundwater Quality Monitoring: Studying Pollution Removal in Drywells & Monitoring Spatial & Temporal Effects on Groundwater Quality