



# SAFE CLEAN WATER PROGRAM

Lower San Gabriel  
River Watershed

December 13, 2022  
Watershed Coordinator  
Update



SAFE  
CLEAN  
WATER

PRESENTED BY:

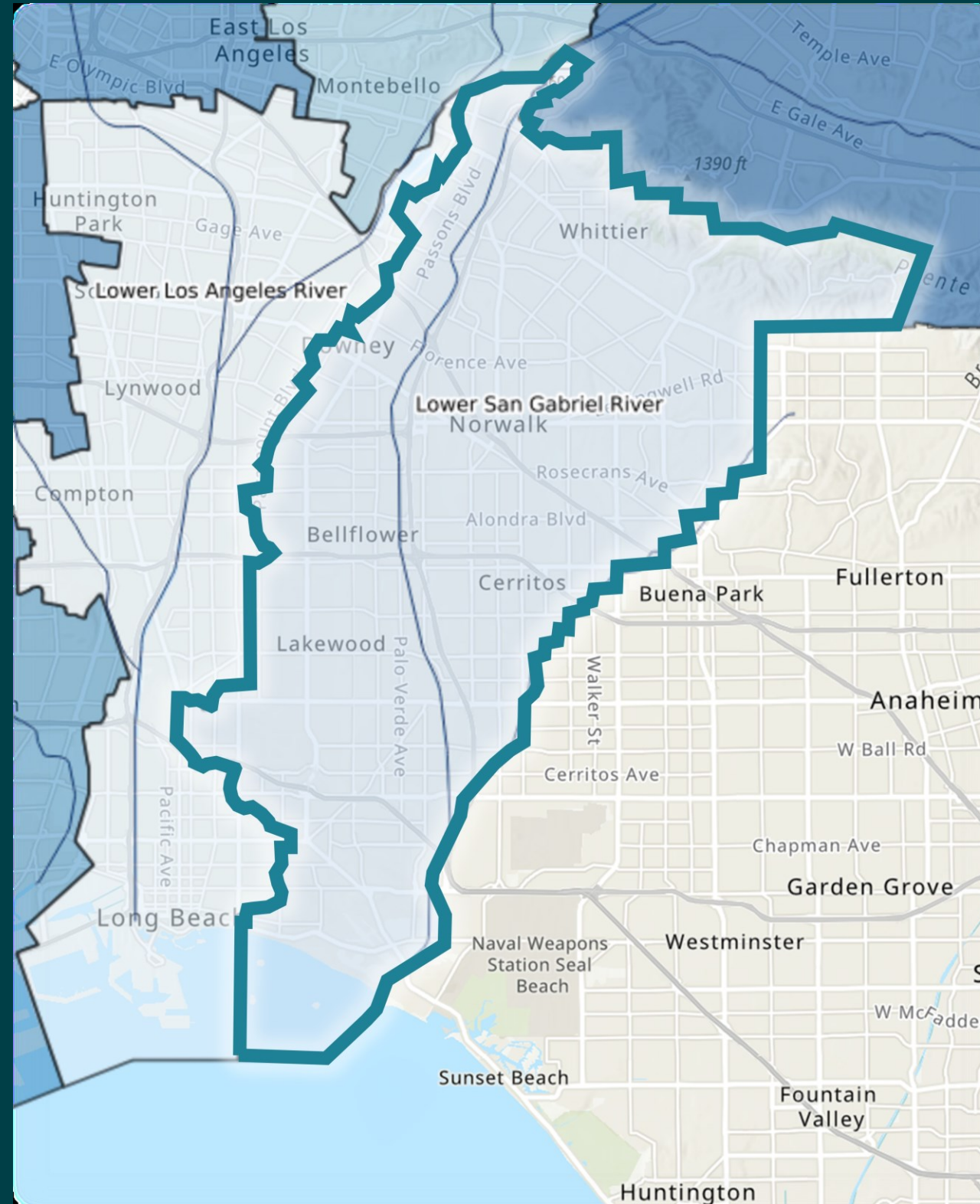
**OhanaVets, Inc.**  
Lower San Gabriel River  
Watershed Coordinator



# LSGR – Watershed & Member Agencies

The Lower San Gabriel River “LSGR” Watershed Area represents the lower portion of the San Gabriel River starting at Whittier Narrows. It extends 20 miles ending at the Pacific Ocean.

LSGR is in the Gateway Region of Los Angeles County and includes 15 cities and unincorporated LA County in whole or in part.

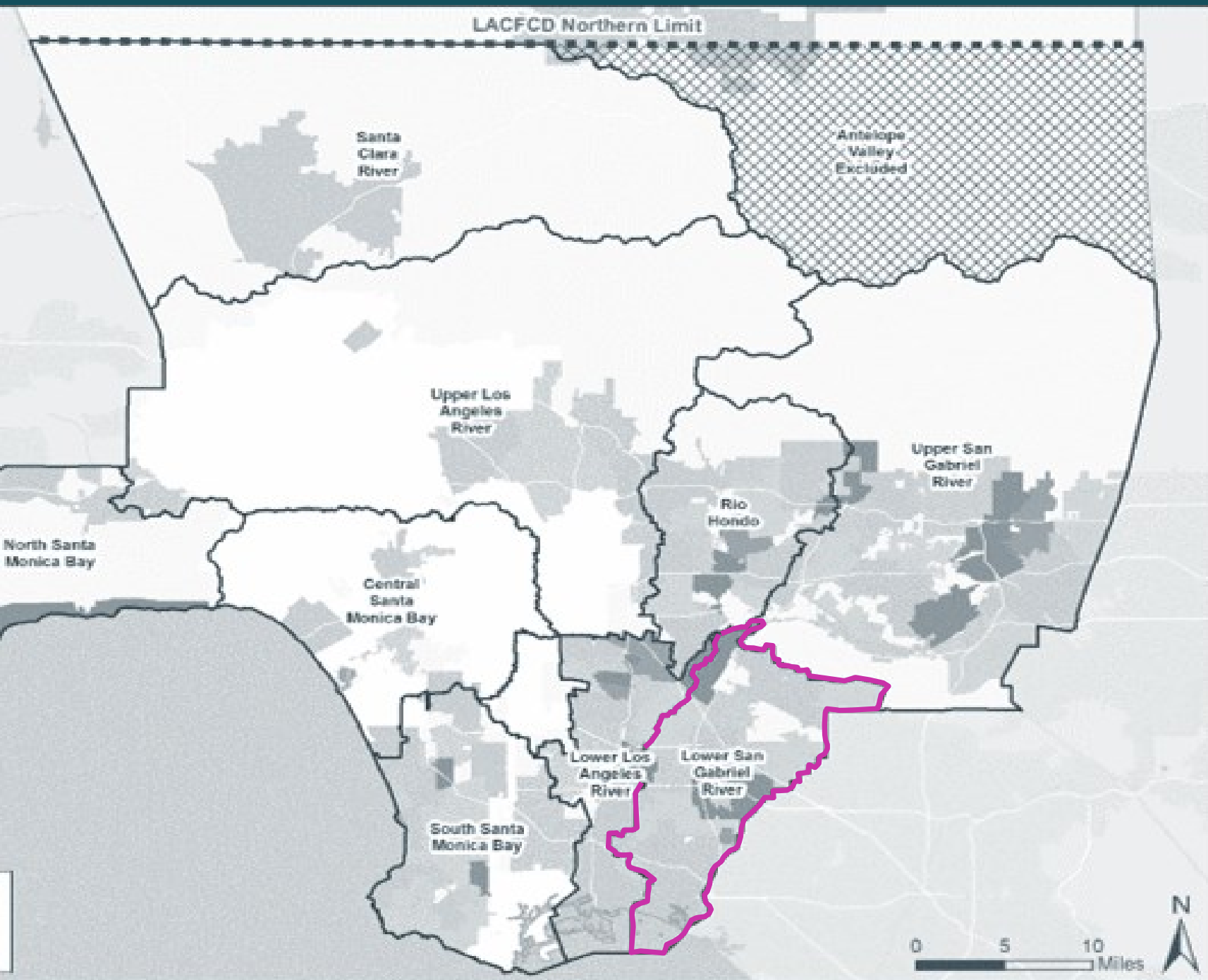


- **Artesia**
- **Bellflower**
- **Cerritos**
- **Downey**
- **Hawaiian Gardens**
- **La Habra Heights**
- **La Mirada**
- **Lakewood**
- **Long Beach**
- **Norwalk**
- **Paramount**
- **Pico Rivera**
- **Santa Fe Springs**
- **Signal Hill**
- **Whittier**
- **Unincorporated LA County**



# REGIONAL PROGRAM ANNUAL FUNDING DISTRIBUTION

The percentage of funds received by each Watershed Area is proportional to the tax revenues collected within its boundaries



WATERSHED NAME	2022-23 REGIONAL TAX RETURN ESTIMATES
Central Santa Monica Bay	\$17.42M
Lower Los Angeles River	\$12.72M
<b>Lower San Gabriel River</b>	<b>\$16.7M</b>
North Santa Monica Bay	\$1.83M
Rio Hondo	\$11.49M
Santa Clara River	\$5.87M
South Santa Monica Bay	\$17.58M
Upper Los Angeles River	\$38.44M
Upper San Gabriel River	\$18.78M
<b>ANNUAL REGIONAL TOTAL:</b>	<b>\$140.6M</b>

# PASSED AS 'MEASURE W' IN 2018

## CAPTURE IT

Increase water supply

## CLEAN IT

Reduce volume of trash that reaches waterways and the ocean

## MAKE IT SAFE

Eliminate toxins and chemicals from our waterways

## MAKE IT FOR EVERYONE

Provide community benefits

### VISION:

By modernizing our 100-year-old water system, we can better protect public health and our environment, and maximize a cleaner, locally controlled water supply.

### HOW?

Through the funding of:

multi-benefit  
stormwater &  
urban runoff capture  
projects

### WHO?



# PROJECT DEVELOPMENT PROCESS:



Anticipated Total Time Elapsed: 26 - 40 Months

~6-8 months

~6-8 months

~10-24 months

If project is deemed infeasible or does not meet Safe, Clean Water Program requirements for Infrastructure Program funding, project proponent should not apply for Infrastructure Program funding.

**1**

**Solicit & Support New Projects**

Identify parties with project ideas.



# HAVE A PROJECT IDEA?

- ENGAGE WATERSHED COORDINATOR
- DEVELOP COMMUNITY ENGAGEMENT APPROACH
- DEVELOP PROJECT BENEFITS SUCH AS:

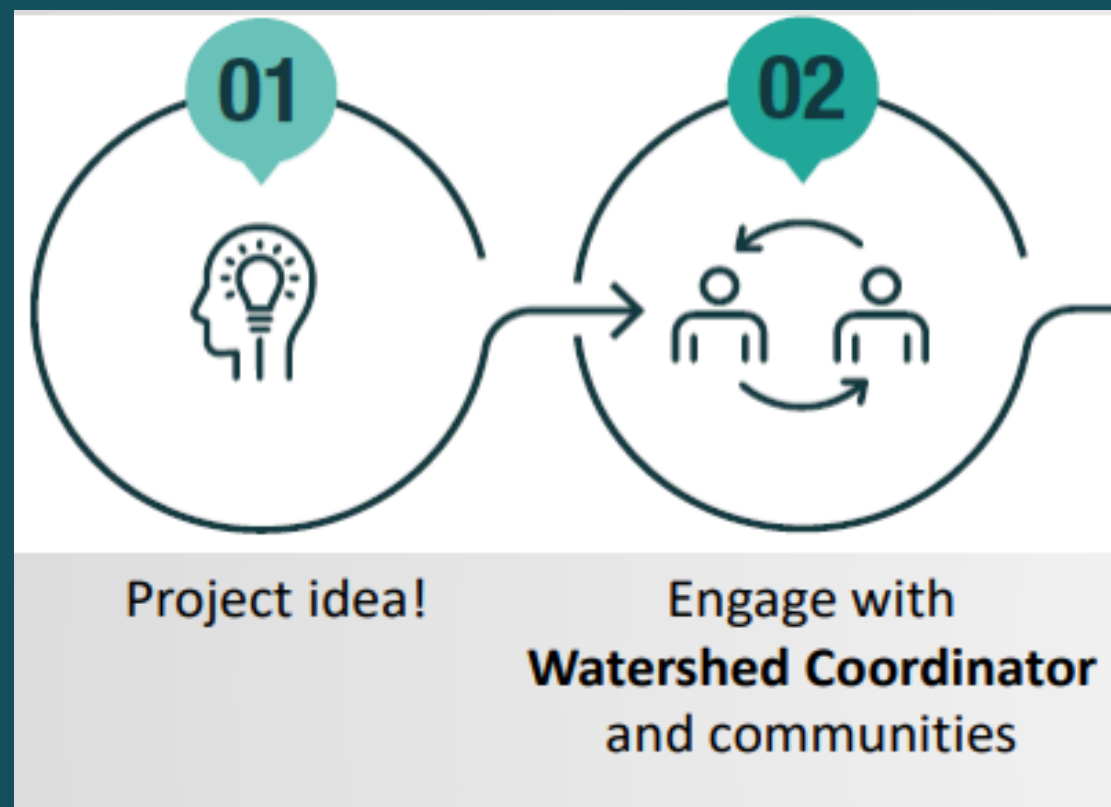
1

Solicit & Support New Projects

Identify parties with project ideas.

- Improving flood management
- Enhancing natural habitat and wetlands
- Increasing public access to waterways
- Creating new recreational opportunities
- Enhancing green spaces at schools
- Reducing local heat island effect
- Increasing vegetation and tree cover

## STEPS: 1 & 2





# Workshops/Meetings/Education Events

## WORKSHOPS and MEETINGS

- ☑ *Integrated Regional Water Mgmt “IRWM” Lower SGR/Lower LAR Sub-Regional Steering Committee – **March***
- ☑ *Gateway Water Mgmt Authority Board - **April***
- ☑ *“SOEP” Public Workshop – **May***
- ☑ *Rivers and Mountains Conservancy Board – **June***
- ☑ *Downey School District – **September 16***
- ☑ *Gateway Chamber Alliance – **September 27***
- ☑ *Infrastructure LA Initiative Presentation – **September 28***
- ☑ *Los Cerritos Wetlands Trust – **October 28***
- ☑ **Watertalks DAC Workshop Community Engagement - Nov 30**

2

**Community  
Engagement**

Gather input on community needs that SCW projects can help fulfill



# WaterTalks DAC Workshop – Community Engagement

WaterTalks

COMMUNITY-ENGAGED PLANNING  
LOWER SAN GABRIEL AND LOWER LOS ANGELES RIVER  
NOVEMBER 30, 2022 10AM – 12PM

TreePeople, Watershed Health, Stantec

### Watershed Coordinators

Lower Los Angeles River: Tara Dales (tdales@sgamarketing.com)

Lower San Gabriel River: Kekoa Anderson (koa@ohanavets.com)

cleanwatervision.com, lsgr@ohanavets.com, @lsgrwatershed

2  
Community Engagement  
Gather input on community needs that SCW projects can help fulfill

### Intro to 2022 Interim Guidance for SCWP

- 01 Strengthening Community Engagement and Support
- 02 Water Supply Guidance
- 03 Programming of Nature-Based Solutions
- 04 Implementing Disadvantaged Community Policies in the Regional Program

### Safe Clean Water Program Model for Community Engagement

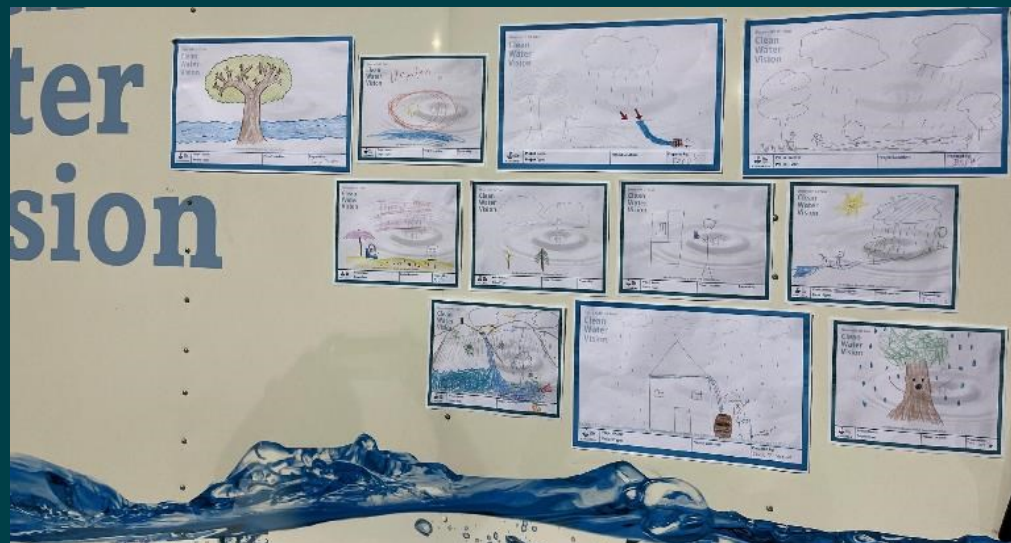
SCWP Interim Guidance

- Good: Activities that Inform and Consult
- Better: Activities that Involve, Educate, and Learn
- Best: Activities that Collaborate, Incorporate, and Partner



## EDUCATIONAL OUTREACH

- Downey Touch-a-Truck CWV Education Trailer - May*
- Sorensen Park Harvest Festival – November 17**
- Los Cerritos Wetlands Holiday Tour – December 10



3

Public Education

Educate the public about SCWP projects in their communities

# PROJECT DEVELOPMENT PROCESS:

## Sorensen Park Multi-Benefit Stormwater Capture Project

### LSGR INFRASTRUCTURE PROJECT

#### SORENSEN PARK MULTI-BENEFIT STORMWATER CAPTURE PROJECT

Feasibility study involving analysis of stormwater capture BMPs at Sorensen Park in the unincorporated West Whittier-Los Nietos area.

**PROJECT LEAD:** LA County Public Works

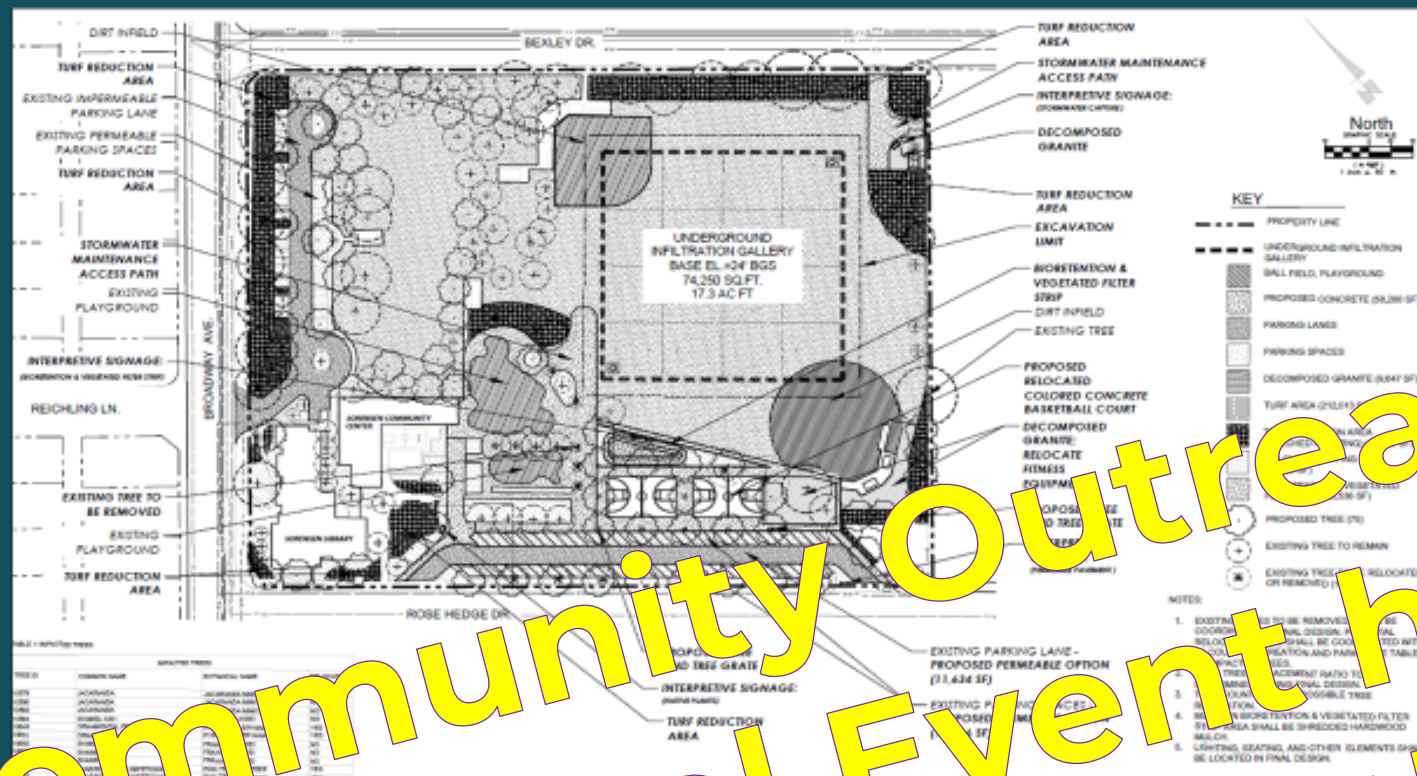
**WATERSHED:** LSGR

**DISADVANTAGED COMMUNITY PROJECT?** Yes

**Funding Year**      **Amount**  
 2021-2022      \$300K (Tech. Resource)

**POTENTIAL PROJECT BENEFITS:**

- Increase Water Supply
- Improves Stormwater Quality
- Enhances Habitat or Park Space
- Increases Shade and Trees
- Reduces Heat Island Effects
- Improves Recreational Amenities
- Improves Infrastructure



**Community Outreach & Educational Event held on November 17th!**

**1**

**Solicit & Support New Projects**

Identify parties with project ideas.

**06**

Feasibility study used to apply for Infrastructure Program

1-24 months

Does not meet Safe, Clean Water Program requirements for component should not apply for Infrastructure Program funding.

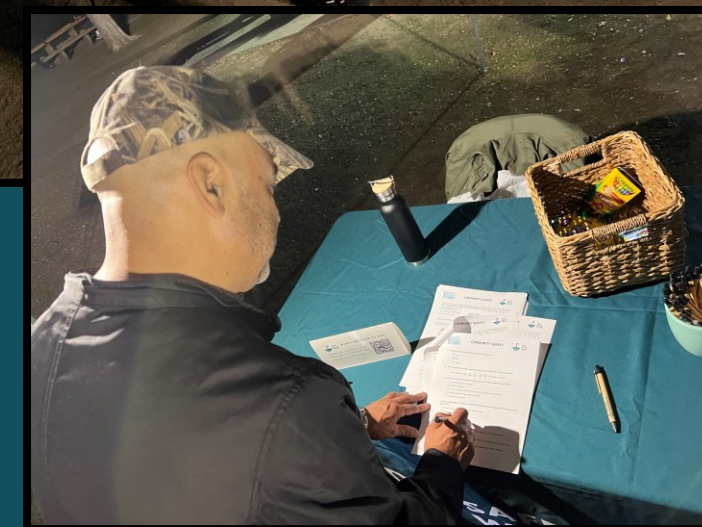
# SORENSEN PARK URBAN STORMWATER RUNOFF CAPTURE PROJECT

Come learn about this proposed urban stormwater runoff capture project and give your feedback on park improvements!

**THURSDAY, NOVEMBER 17 5 - 8 PM  
AT THE HARVEST FESTIVAL**



**SORENSEN PARK  
11419 ROSE HEDGE DRIVE  
WHITTIER, CA 90606**

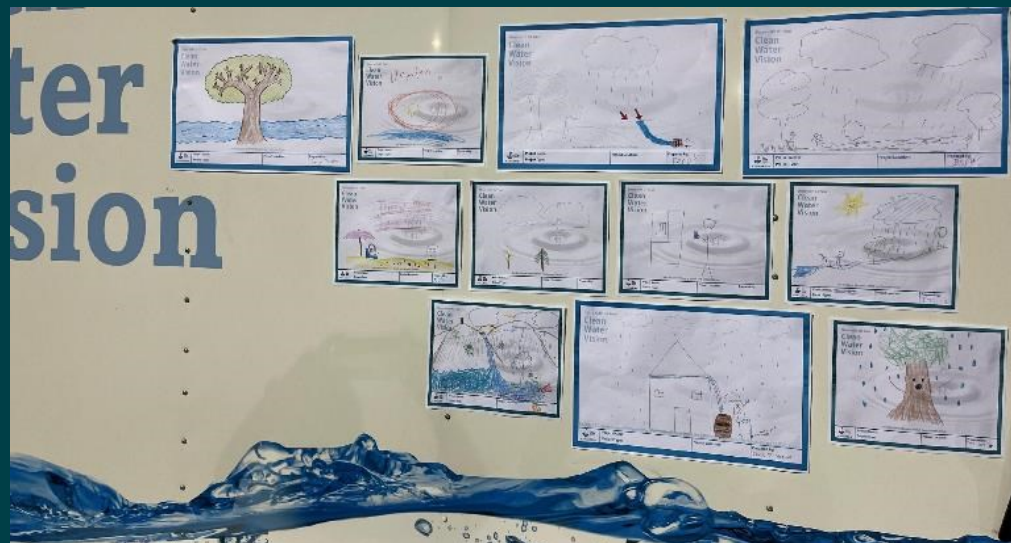




# Workshops/Meetings/Education Events

## EDUCATIONAL OUTREACH

- Downey Touch-a-Truck CWV Education Trailer - May*
- Sorensen Park Harvest Festival – November 17*
- Los Cerritos Wetlands Holiday Tour – December 10**



**3**  
**Public Education**  
Educate the public about SCWP projects in their communities

# December 10!



Come Visit the Clean Water Vision Trailer!



December 10th • 9 a.m. to Noon!

Jingle, Mingle and Tour Zedler Marsh at Los Cerritos Wetlands



Saturday ♦ December 10, 2022 ♦ 9 a.m. to noon

You are invited to take a tour of Zedler Marsh at 9:30 a.m. or 11:30 a.m., led by educators from the ecological consulting company Tidal Influence.

Join us for a holiday celebration where you can check out some of the important restoration of the Zedler Marsh area of Los Cerritos Wetlands and at 10:30 a.m. hear from Cassandra Davis who is the manager of volunteer programs at the Aquarium of the Pacific. Her areas of expertise include the resident population of green sea turtles found locally in the San Gabriel River. You will be able to tour the trail at Zedler Marsh and check out the amazing native plant nursery out on the site. I hope you will join us for this fun and informative gathering.

**What:** Holiday Party, sea turtle update and tours of Zedler Marsh

**When:** Saturday, December 10 from 9 a.m. to noon

**Where:** Zedler Marsh at Los Cerritos Wetlands  
Participants should park at 1st and PCH in Seal Beach by 9:00 a.m. and a staff member will guide you to Zedler Marsh through the wetlands. Alternatively, you can walk or bike to Zedler Marsh on the San Gabriel River bike path (be vigilant for fast moving bikes!). There is limited space for cars to park at Zedler Marsh and that space is for those attendees who are disabled or have mobility issues. Please wear closed toe shoes and rain cancels the event.

RSVP: [elizabeth@lcwlandtrust.org](mailto:elizabeth@lcwlandtrust.org)

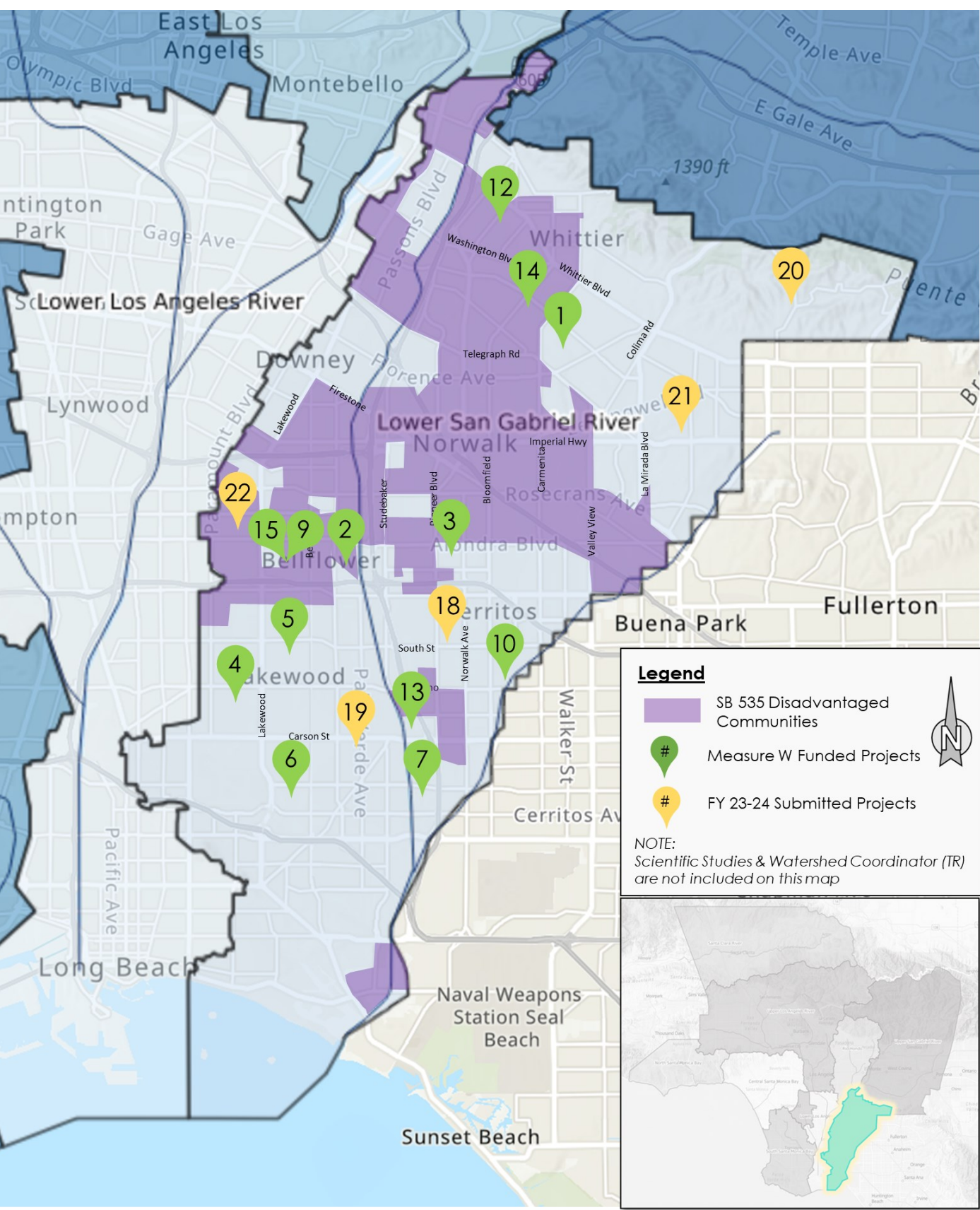
## CLEAN WATER VISION EDUCATION TRAILER

The Clean Water Vision Education Trailer is a fun and inter-active experience with hands-on demonstrations of how water and everyday contaminants are collected in stormwater channels. Through a series of natural, small-scale, filtration steps, the water can be cleaned and then usable for irrigation and groundwater recharge for future use.

Make sure to RSVP to [elizabeth@lcwlandtrust.org](mailto:elizabeth@lcwlandtrust.org)



# LSGR – SCWP PROJECTS FUNDED AND UNDER CONSIDERATION



Project Name	DAC Benefit	BMP Type	Planning/Design	Construction	O&M	Technical Resource/ Scientific Study	Cost Share	Measure W Funding	SIP Year	Project Developer
			\$M	\$M	\$M	\$M	\$M	\$M		
1 Adventure Park Multi-Benefit Stormwater Capture	N	D		\$ 13.5			\$ 15.0	\$ 13.5	20-21	Unincorp. County Area of Whittier
2 Caruthers Park	Y	I			\$ 0.9		\$ 13.0	\$ 0.9	20-21	Bellflower
3 Hermosillo Park	Y	I	\$ 4.1	\$ 16.0				\$ 20.1	20-21	Norwalk
4 Bolivar Park	Y	I			\$ 1.3		\$ 11.0	\$ 1.3	20-21	Lakewood
5 Mayfair Park	Y	T			\$ 1.3		\$ 15.0	\$ 1.3	20-21	Lakewood
6 Skylinks Golf Course at Wardlow Stormwater Capture Project	N	T	\$ 2.7	\$ 7.8				\$ 10.4	20-21	Long Beach
7 El Dorado Regional Project	Y	T	\$ 3.0				\$ 0.1	\$ 3.0	20-21	Long Beach
8 Watershed Coordinator	N/A	TR				\$ 1.0		\$ 1.0	20-21	LA CFCD
9 Bellflower Simms Park Stormwater Capture	Y	T	\$ 2.1				\$ 5.6	\$ 2.1	21-22	Bellflower
10 Cerritos Sports Complex	Y	T	\$ 2.4					\$ 2.4	21-22	Cerritos
11 Gateway Area Path Finding Analysis	N/A	SS				\$ 0.1		\$ 0.1	21-22	GWMA
12 Sorensen Park Multi-Benefit	Y	TR				\$ 0.3		\$ 0.3	21-22	LA County PW
13 Lakewood Equestrian Center	Y	T	\$ 1.1				\$ 0.4	\$ 1.1	22-23	Lakewood
14 York Field Stormwater Capture	Y	I	\$ 1.9				\$ 0.6	\$ 1.9	22-23	Whittier
15 Bellflower Simms Park Stormwater Capture	Y	T		\$ 13.7			\$ 0.9	\$ 13.7	22-23	Bellflower
16 Gateway Area Path Finding Analysis Ph 2	N/A	SS				\$ 0.2		\$ 0.2	22-23	GWMA
17 Microplastics in LA County Stormwater	N/A	SS				\$ 0.2	\$ 0.1	\$ 0.2	22-23	Dr. A. Gray, UC Riverside
<b>SubTotal</b>			<b>\$ 17.3</b>	<b>\$ 51.0</b>	<b>\$ 3.4</b>	<b>\$ 1.9</b>		<b>\$ 73.5</b>		
18 Artesia Park Urban Runoff Capture	Y	T	\$ 1.6					\$ 1.6	23-24	Artesia
19 Heartwell Park at Palo Verde Channel Stormwater Capture	N	T	\$ 1.5	\$ 1.8				\$ 3.3	23-24	Long Beach
20 La Habra Heights Stormwater Treatment and Reuse	Y	BF		\$ 0.7				\$ 0.7	23-24	La Habra Heights
21 La Mirada Creek Park	N	BR		\$ 5.8			\$ 1.0	\$ 5.8	23-24	La Mirada
22 Progress Park Stormwater Capture	Y	I	\$ 2.2				\$ 2.2	\$ 2.2	23-24	Paramount
23 Regional Pathogen Reduction	N/A	SS				\$ 1.0		\$ 1.0	23-24	GWMA
24 Targeted Human Waste Source Reduction Strategy	N/A	SS				\$ 0.5		\$ 0.5	23-24	GWMA
<b>Subtotal</b>			<b>\$ 5.3</b>	<b>\$ 8.3</b>	<b>\$ -</b>	<b>\$ 1.5</b>		<b>\$ 15.0</b>		
<b>Total</b>			<b>\$ 22.6</b>	<b>\$ 59.3</b>	<b>\$ 3.4</b>	<b>\$ 5.2</b>		<b>\$ 88.6</b>		

**LEGEND**  
 BMP Type: BF=Biofiltration; BR=Bioretention; D= Diversion to Sanitary Sewer; I = Infiltration Facility; T = Treatment Facility; TR = Technical Resource; SS = Scientific Study  
 Located in SB 535 Disadvantaged Communities

# LSGR WATERSHED AREA FY23-24 PROJECT APPLICANT

## ARTESIA PARK URBAN RUNOFF CAPTURE PROJECT



Regional urban runoff capture facility located at Artesia Park beneath the open space of the existing park surface.

**PROJECT LEAD:** City of Artesia

**BMP TYPE:** Treatment Facility

**LOCATED IN DISADVANTAGED COMMUNITY(DAC)?** No

**BENEFITS DAC?** Yes

**SCORING COMMITTEE SCORE** 61

**TOTAL MEASURE W FUNDING REQUEST:** \$1,568,876

**FUNDING YEAR** AMOUNT

**Year 1** \$1,568,876 (Design)

**COST SHARE?** No

**TOTAL CONSTRUCTION COST:** \$13,173,880

**PROJECT FEATURES:**

- Captures water from 585 acres
- Nature-Based Parking Lot Enhancements
- Improve Flood Management
- Enhance/Restore Park Space
- Enhance Recreational Opportunities
- Reduce heat local island Effect
- Increase Tree Count

### PROPOSED CONCEPTUAL SITE LAYOUT

**Parking Lot: Permeable Pavement and Bioswales**

**Pre-Cast Subsurface Storage Facility**

**Ephemeral Stream to butterfly garden**

### PRELIMINARY SCW SCORING

SECTION	TOTAL COST
<b>A.2 Dry Weather Water Quality Benefits</b>	40
• A.2.1 Capture, infiltrate, treat & release, or divert 100% of all tributary dry weather flows	
• A.2.2 Tributary size >200 acres	
<b>B. Significant Water Supply Benefits</b>	5
• B1. Water Supply Cost Effectiveness	
• B2. Water Supply Benefit Magnitude	
<b>C. Community Investment Benefits</b>	5
• Improved flood management	
• Creation/enhancement/restoration of parks	
• Enhanced/new recreational opportunities	
• Reducing local heat island effect	
• Increasing number of trees and/or vegetation	
<b>D. Nature-Based Solutions</b>	12
<b>E. Leveraging Funds and Community Support</b>	4
• Strong local, community-based support	
<b>TOTAL SCORE</b>	<b>66</b>

### TYPICAL CROSS SECTION

### PROJECT CHARACTERISTICS

<u>Primary Pollutant</u> Zinc Reduction Achieved (% Zn reduction)	76 lb/yr (91.4%)
<u>Secondary Pollutant</u> Bacteria (% Bacteria load reduction)	1.57 x 10 <sup>13</sup> MPN (98.1%)
<u>Design Diversion Rate</u> Project No. B10021, Unit 2, Line A	20 cfs
Storage Capacity for Subsurface Storage Reservoir	5 ac-ft (1.6 MG)
24-Hour Capacity	20.6 ac-ft
Construction Cost Estimate	\$11,785,345

# LSGR WATERSHED AREA FY23-24 PROJECT APPLICANT

## LA MIRADA CREEK PARK PROJECT



Removal of 2,500 feet concrete low-flow channel. Naturalization of existing La Mirada Creek Park to capture 168 AFY of dry weather flow.

<b>PROJECT LEAD:</b>	City of La Mirada
<b>BMP TYPE:</b>	Bioretention
<b>LOCATED IN DISADVANTAGED COMMUNITY(DAC)?</b>	No
<b>BENEFITS DAC?</b>	No
<b>SCORING COMMITTEE SCORE:</b>	Pending
<b>TOTAL MEASURE W FUNDING REQUEST:</b>	\$5,752,200
<b>FUNDING YEAR</b>	<b>AMOUNT</b>
Year 2	\$5,752,200 (Const)

**COST SHARE?** \$1,008,000

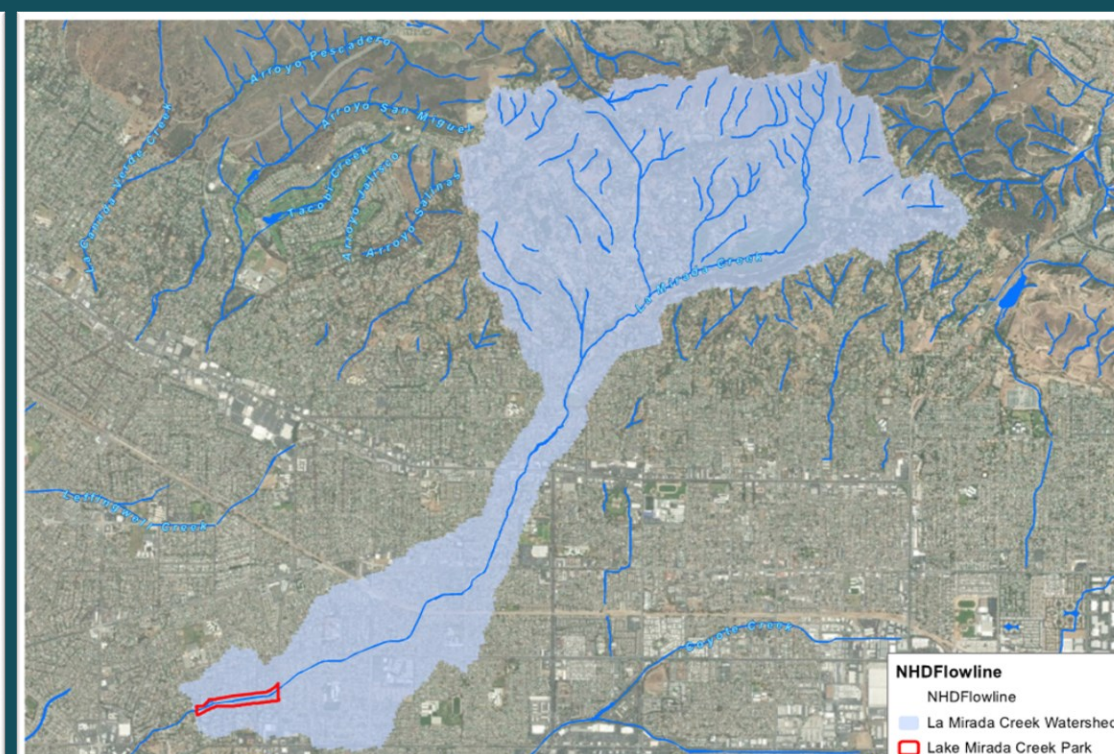
**TOTAL CONSTRUCTION COST:** \$5,752,200

**PROJECT FEATURES:**

- Captures water from 2,949 acres
- Improve Flood Management
- Enhance/Restore Park Space
- Improves Public Access to Waterways
- Enhance Recreational Opportunities
- Reduce Heat Local Island Effect
- Increase Tree Count



Existing Concrete Channel



**DRAFT**



# LSGR WATERSHED AREA FY23-24 PROJECT APPLICANT HEARTWELL PARK AT PALO VERDE CHANNEL STORMWATER CAPTURE PROJECT



Regional stormwater capture and filtration/sewer diversion facility located at Heartwell Park beneath the open space of the existing park.

**PROJECT LEAD:** City of Long Beach

**BMP TYPE:** Treatment Facility

**LOCATED IN DISADVANTAGED COMMUNITY(DAC)?** No

**BENEFITS DAC?** No

**SCORING COMMITTEE SCORE:** Pending

**TOTAL MEASURE W FUNDING REQUEST:** \$3,313,865

**FUNDING YEAR** **AMOUNT**

**Year 1** \$1,485,048 (Design)

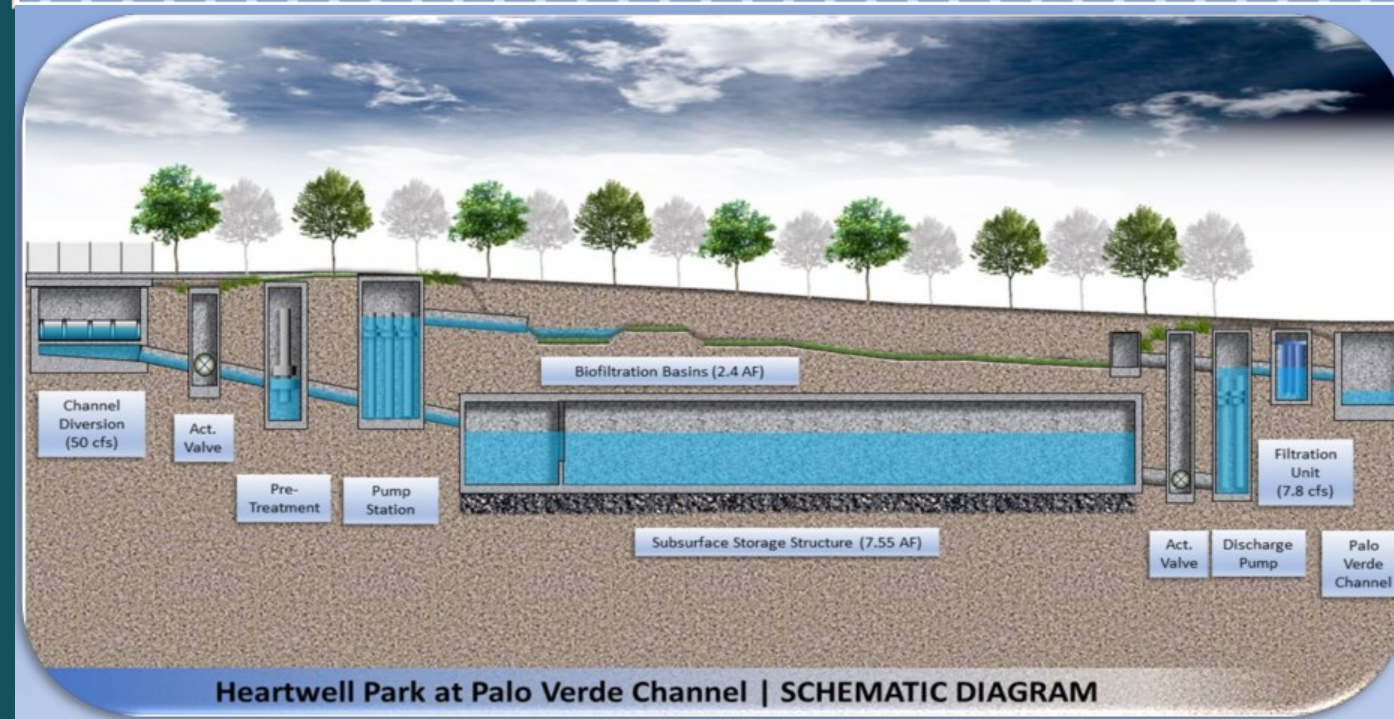
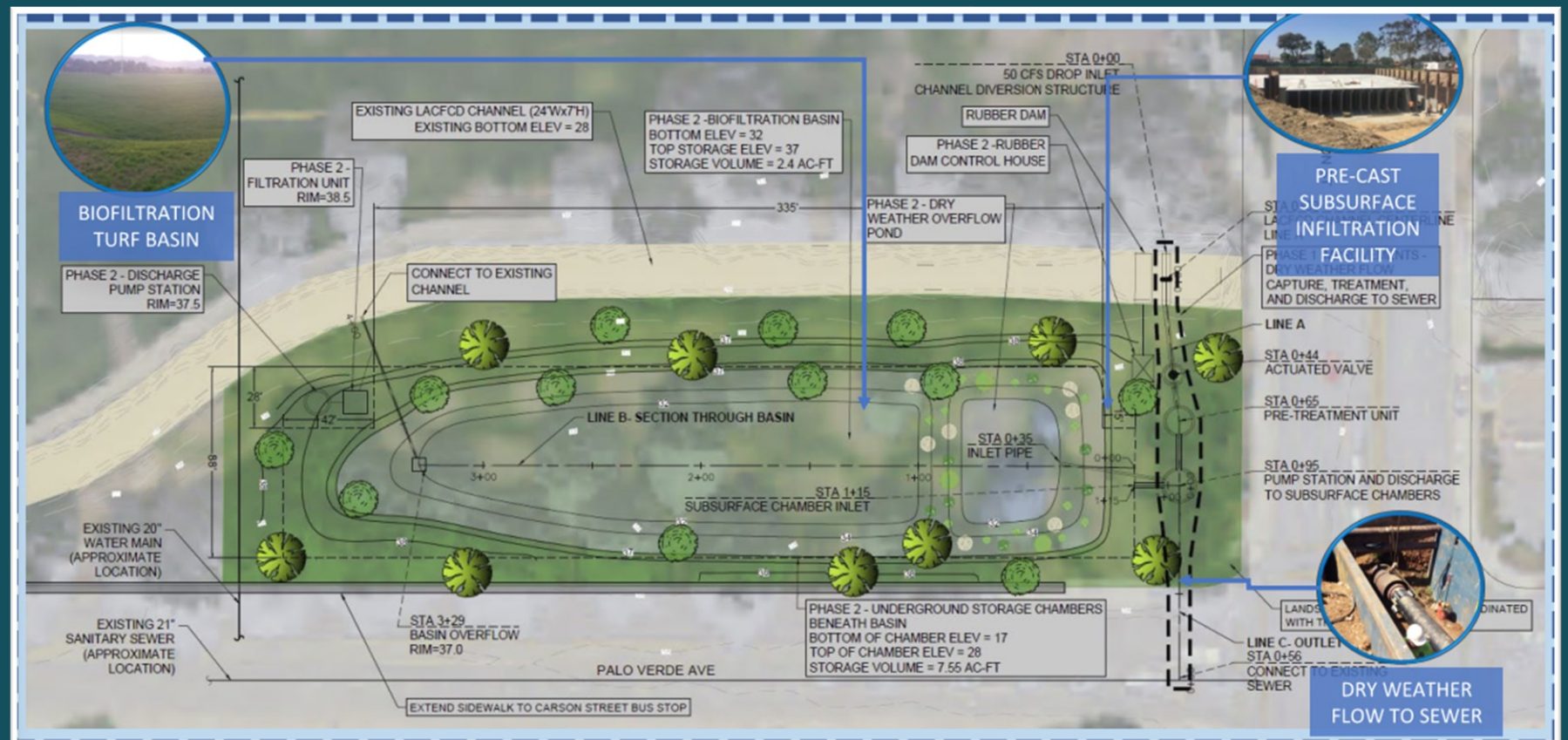
**Year 2** \$1,828,817 (Phase 1 Const.)

**COST SHARE?** No

**TOTAL CONSTRUCTION COST:** \$11,956,920

**PROJECT FEATURES:**

- Captures water from 2,099 acres
- Improve Flood Management
- Enhance/Restore Park Space
- Improves Public Access to Waterways
- Enhance Recreational Opportunities
- Reduce Heat Local Island Effect
- Increase Tree Count



Heartwell Park at Palo Verde Channel | SCHEMATIC DIAGRAM

**DRAFT**

# LSGR WATERSHED AREA FY23-24 PROJECT APPLICANT

## LA HABRA HEIGHTS STORMWATER TREATMENT AND REUSE SYSTEM THE PARK HACIENDA ROAD



The project aims to capture, infiltrate or treat and store stormwater runoff from Hacienda Park and nearby catchments for beneficial reuse.

**PROJECT LEAD:** City of La Habra Heights

**BMP TYPE:** Biofiltration

**LOCATED IN DISADVANTAGED COMMUNITY(DAC)?** No

**BENEFITS DAC?** Yes

**SCORING COMMITTEE SCORE:** 65

**TOTAL MEASURE W FUNDING REQUEST:** \$705,348

**FUNDING YEAR** **AMOUNT**

**Year 1** \$289,069 (Design & Const.)

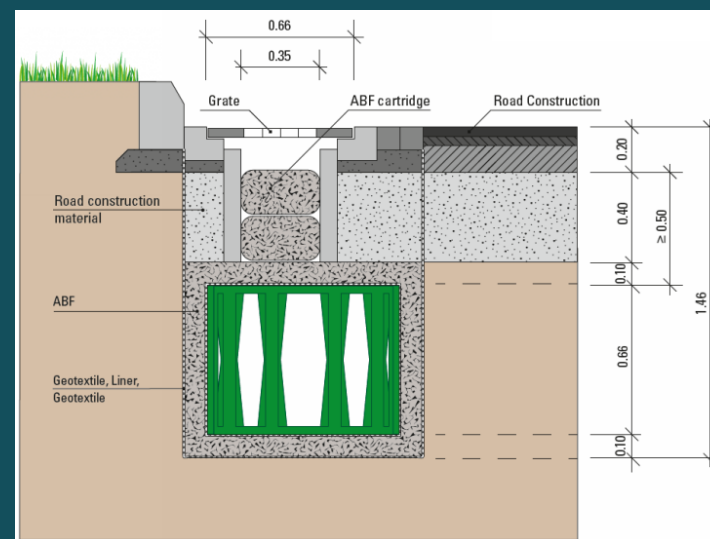
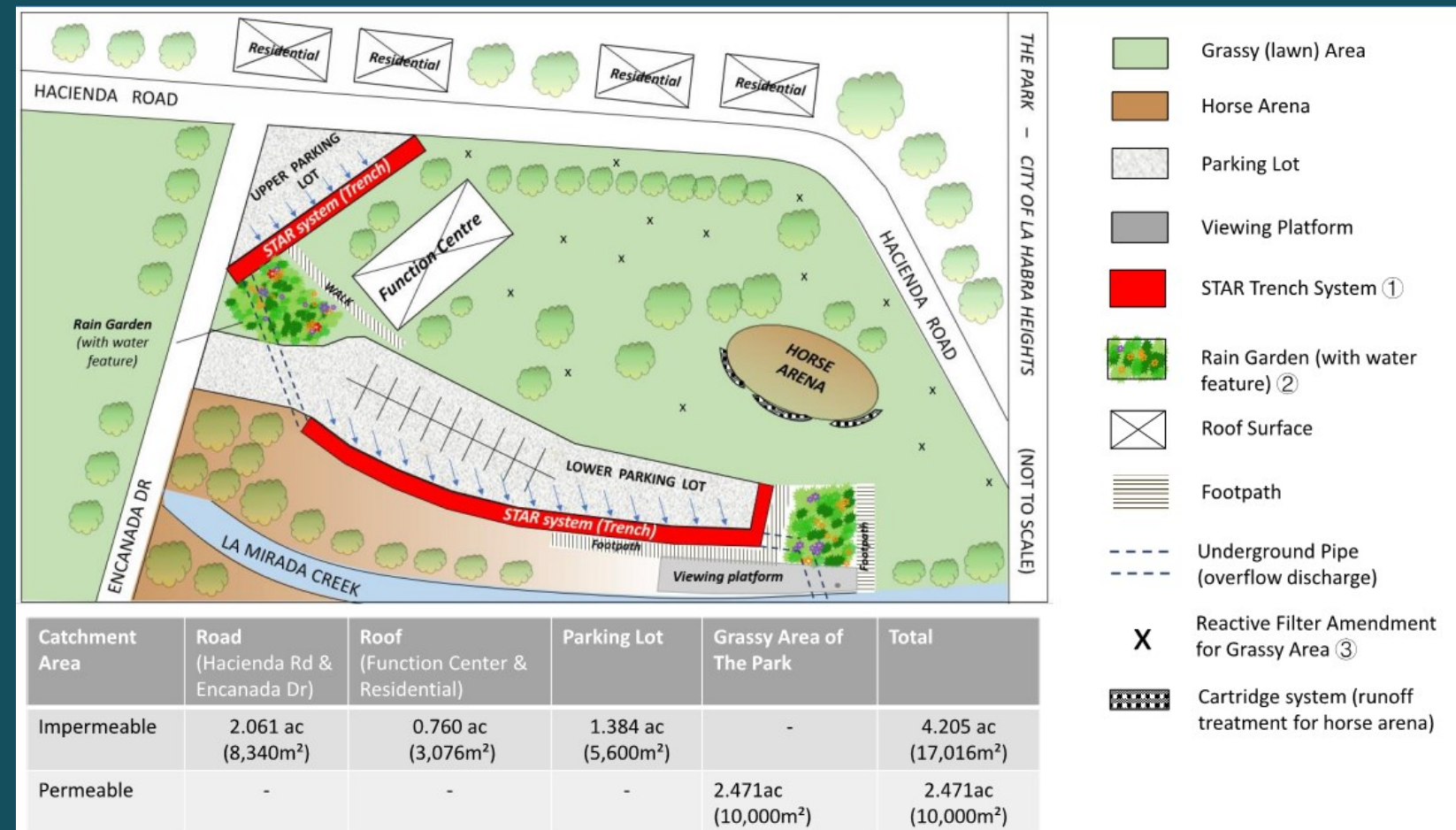
**Year 2** \$416,279 (Const.)

**COST SHARE?** \$236,000

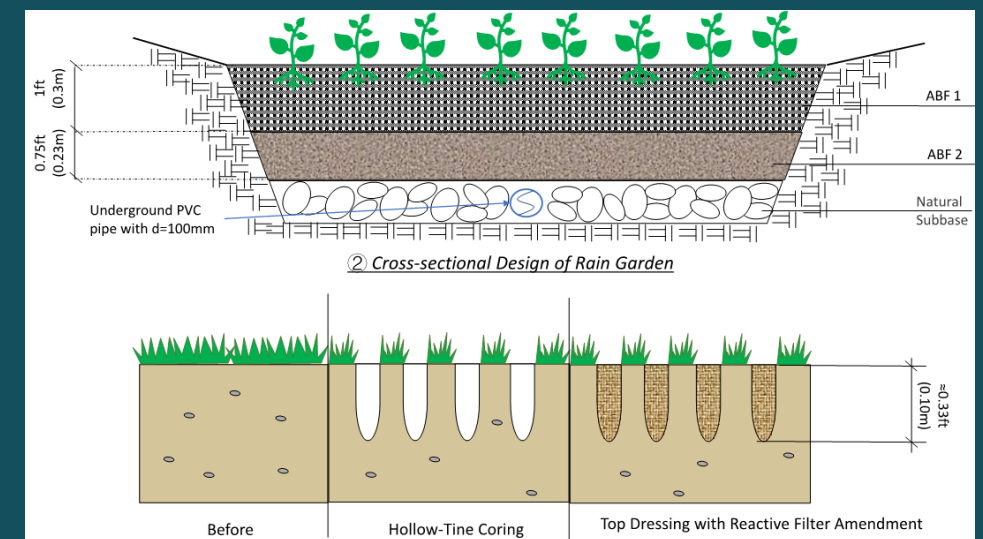
**TOTAL CONSTRUCTION COST:** \$520,348

**PROJECT FEATURES:**

- Captures water from 4.2 acres
- Improve Flood Management
- Enhance/Restore Park Space
- Improves Public Access to Waterways
- Enhance Recreational Opportunities
- Reduce Heat Local Island Effect
- Increase Tree Count



Cross-sectional Design/Mechanisms of STAR system (in meters)



Reactive Filter Amendment for Grassy Area

# LSGR WATERSHED AREA FY23-24 PROJECT APPLICANT PROGRESS PARK STORMWATER CAPTURE PROJECT

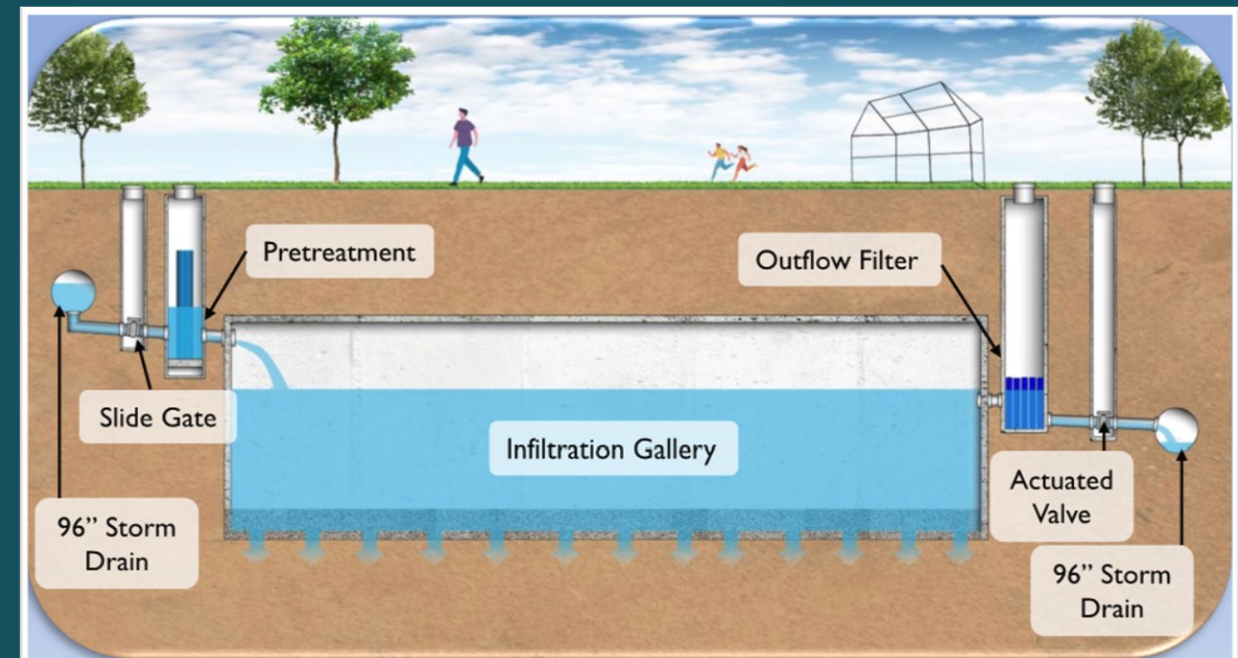
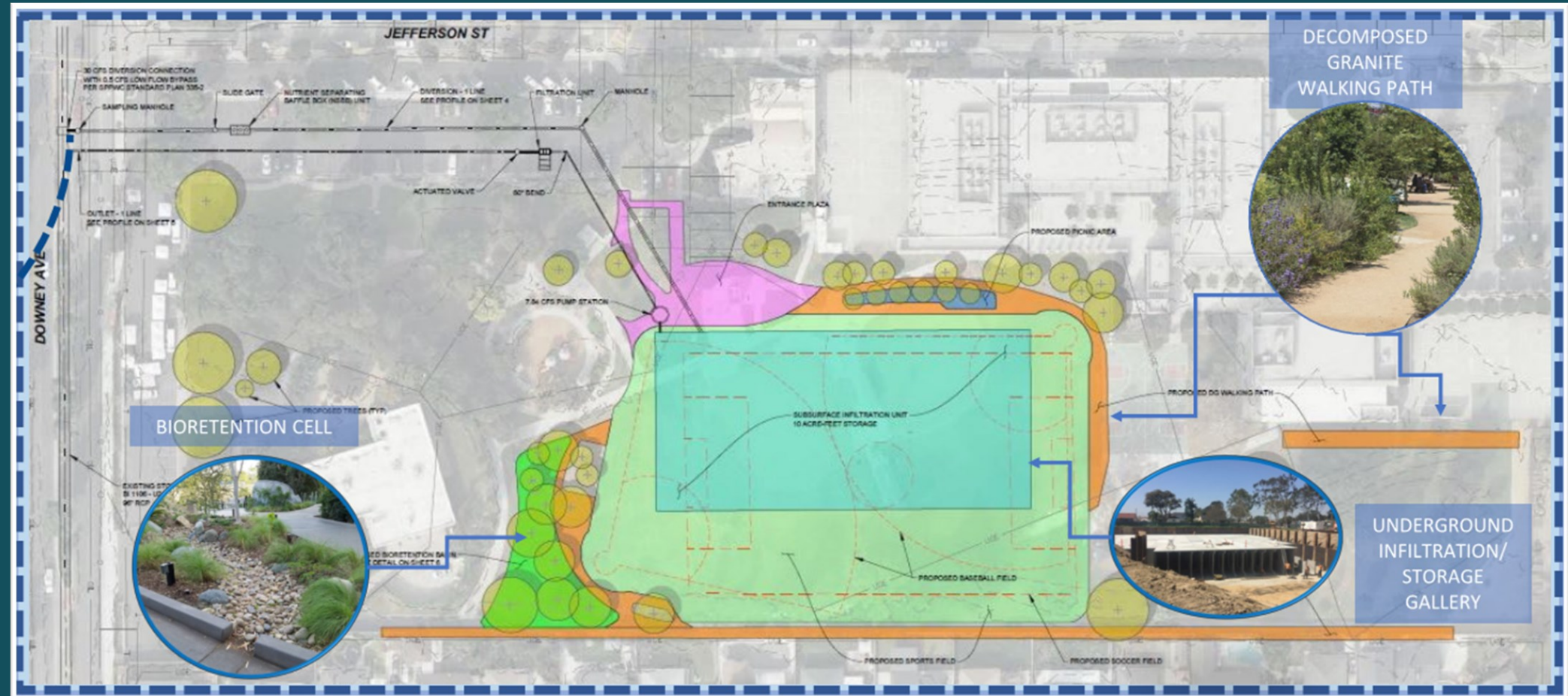


Regional stormwater capture and infiltration/filtration facility, new soccer fields, and pedestrian walking path at Progress Park.

<b>PROJECT LEAD:</b>	City of Paramount
<b>BMP TYPE:</b>	Infiltration Facility
<b>LOCATED IN DISADVANTAGED COMMUNITY(DAC)?</b>	Yes
<b>BENEFITS DAC?</b>	Yes
<b>SCORING COMMITTEES SCORE</b>	73
<b>TOTAL MEASURE W FUNDING REQUEST:</b>	\$2,161,744
<b>FUNDING YEAR</b>	<b>AMOUNT</b>
Year 1	\$2,161,744 (Design)
<b>COST SHARE?</b>	No
<b>CONSTRUCTION COST:</b>	\$19,971,243

**PROJECT FEATURES:**

- Captures water from 729 acres
- Improve Flood Management
- Enhance/Restore Park Space
- Enhance Recreational Opportunities
- Enhance Green Space at School
- Reduce Heat Local Island Effect
- Increase Tree Count



# LSGR WATERSHED AREA FY23-24 PROJECT APPLICANT REGIONAL PATHOGEN REDUCTION STUDY



A study to leverage recent research to produce strategies that prioritize the highest risk sources of human pathogens, protect public health more effectively and efficiently, and can be incorporated into Water Management Programs and Enhanced Watershed Management Programs (E/WMP).

**PROJECT LEAD:** Gateway Water Management Authority  
**WATERSHED AREAS:** LSGR, Rio Hondo, Central Santa Monica Bay, Upper Los Angeles River

**TOTAL MEASURE W FUNDING REQUEST FOR ALL WATERSHED:** \$5,103,473.48

**MEASURE W FUNDING REQUEST FROM LSGR WATERSHED:** \$ 1,007,287.12

<u>FUNDING YEAR</u>	<u>AMOUNT</u>
Year 1	\$ 44,169.54
Year 2	\$ 309,186.78
Year 3	\$ 265,017.24
Year 4	\$ 288,184.85
Year 5	\$ 100,728.71

**COST SHARE?** No

**TECHNICAL STUDY OUTCOME:**

- Determine sources of the highest risk to human health.
- Identifying beaches and inland waterbodies within the MS4 Permit area where risk to human health is higher so that E/WMPs can target those areas earlier during the implementation process.
- Identify management actions to address high-risk sources and areas more effectively.

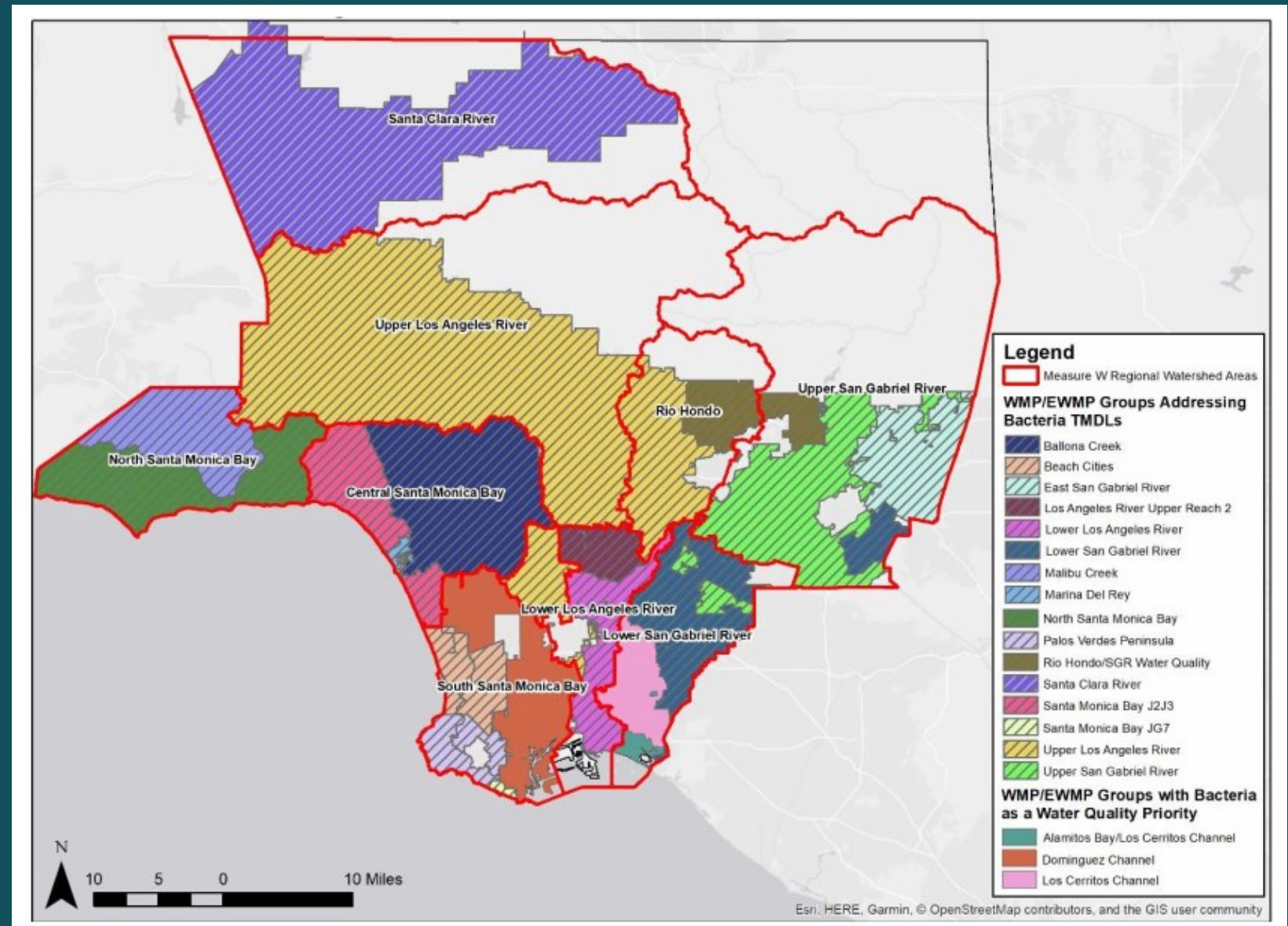


Figure 1. Watershed Management Program/Enhanced Watershed Management Program Groups Addressing Bacteria and SCWP Watershed Areas

# LSGR WATERSHED AREA FY23-24 PROJECT APPLICANT TARGETED HUMAN WASTE SOURCE REDUCTION STRATEGY TO ADDRESS BACTERIA RELATED COMPLIANCE OBJECTIVES FOR THE LOS CERRITOS CHANNEL



Data-driven framework to guide and prioritize source ID and abatement efforts, focusing on reducing sources of human waste for bacteria.

**PROJECT LEAD:** Gateway Water Management Authority

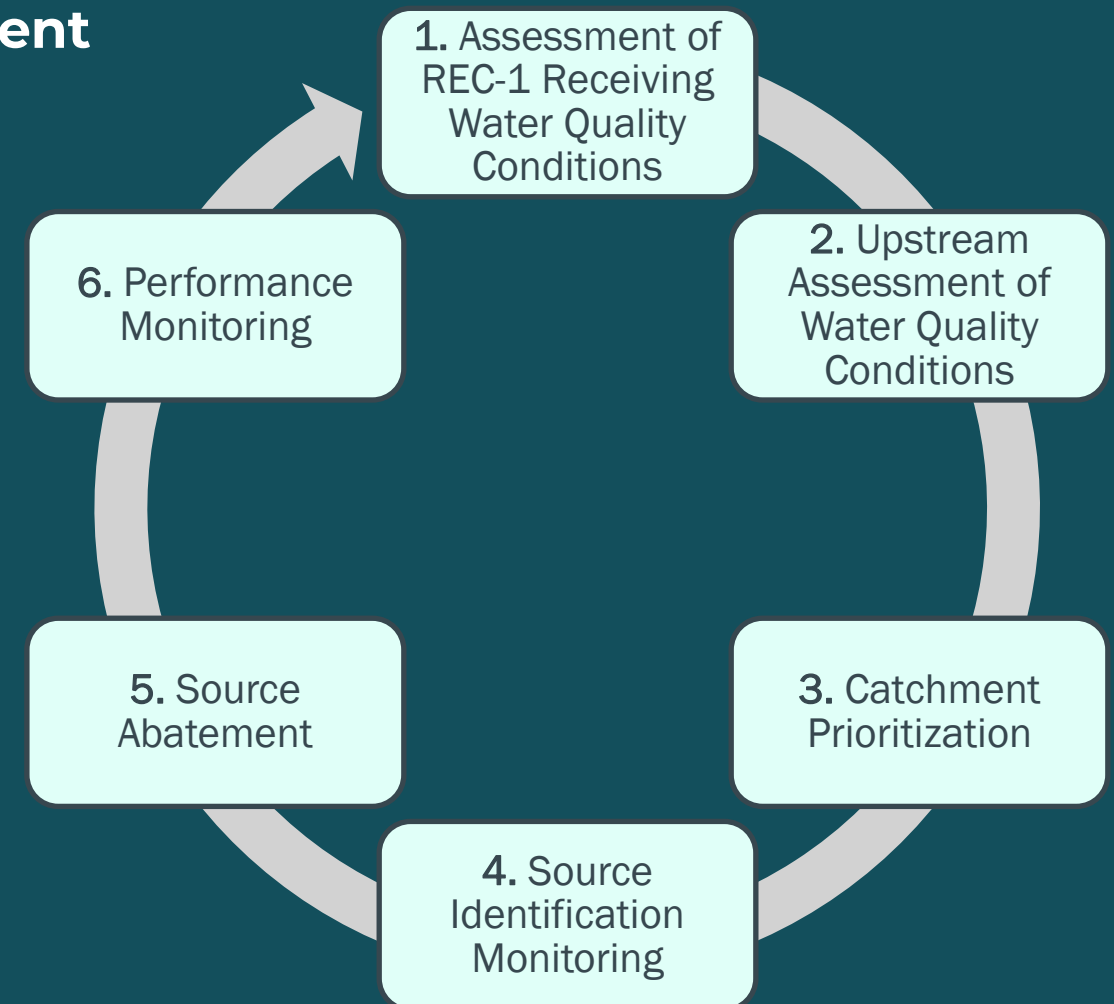
**TOTAL MEASURE W FUNDING REQUEST:** \$475,000

<u>FUNDING YEAR</u>	<u>AMOUNT</u>
Year 1	\$ 175,000
Year 2	\$ 300,000

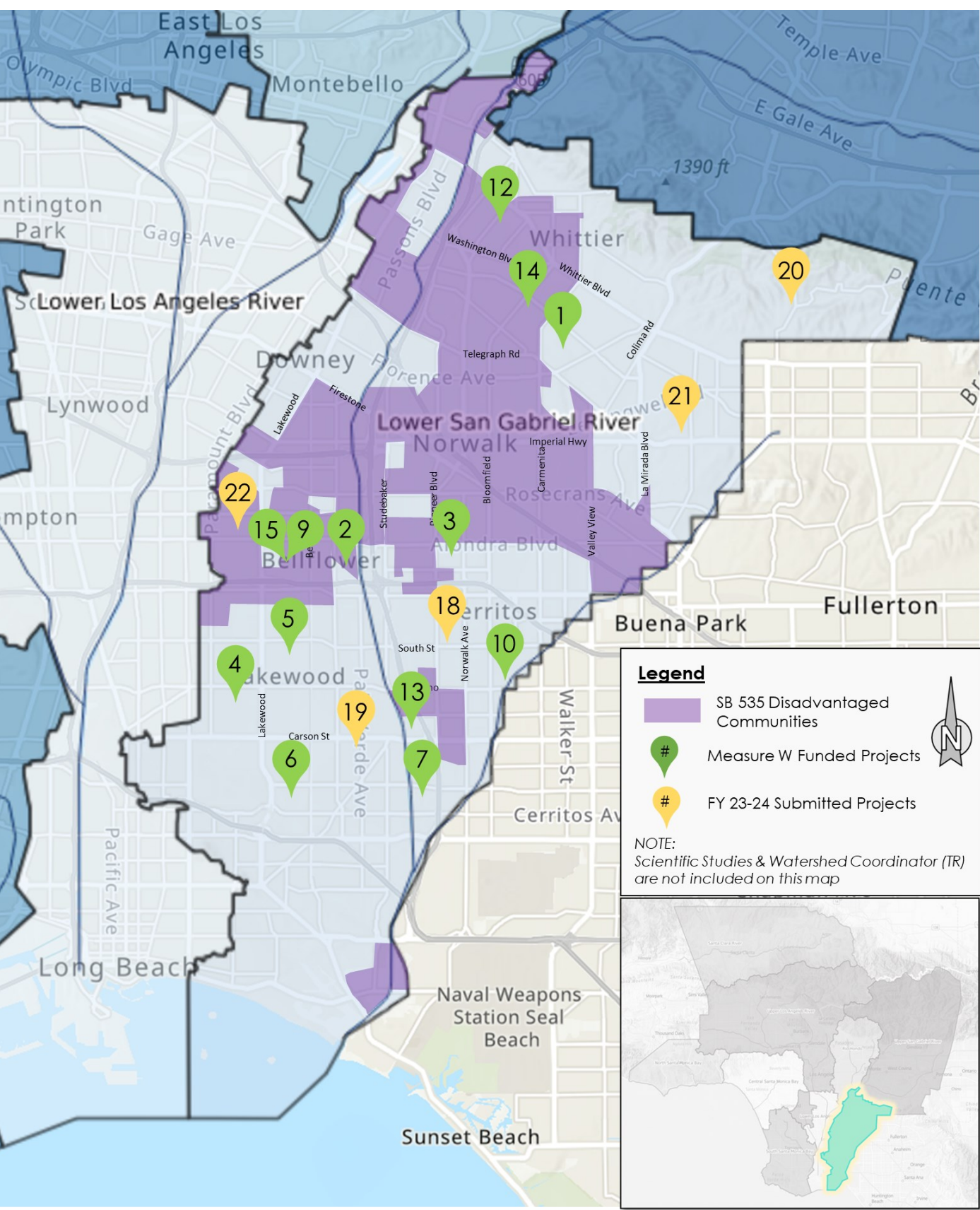
**COST SHARE?** No

**TECHNICAL STUDY OUTCOME:**

- Develop a risk-based framework to expeditiously reduce public health risks and demonstrate compliance with bacteria objectives.
- Characterize highest priority areas in the watershed to invest in resources based on water quality conditions, potential sources of human waste, and influence on impaired receiving waters.
- Prioritize identification and abatement of human sources of waste.
- Identify recommended abatement strategies to reduce the recreational health risk in downstream receiving waters progressing towards the bacteria compliance objectives.
- Utilize recent scientific advancements in development of human markers and diagnostic tools for focused source control efforts
- Collect paired fecal indicator bacteria and human marker data to support evaluation of water quality conditions and human health risk levels.
- Educate and outreach to stakeholders on bacteria issues.
- Provide technical resources to inform and be leveraged by similar efforts in region.

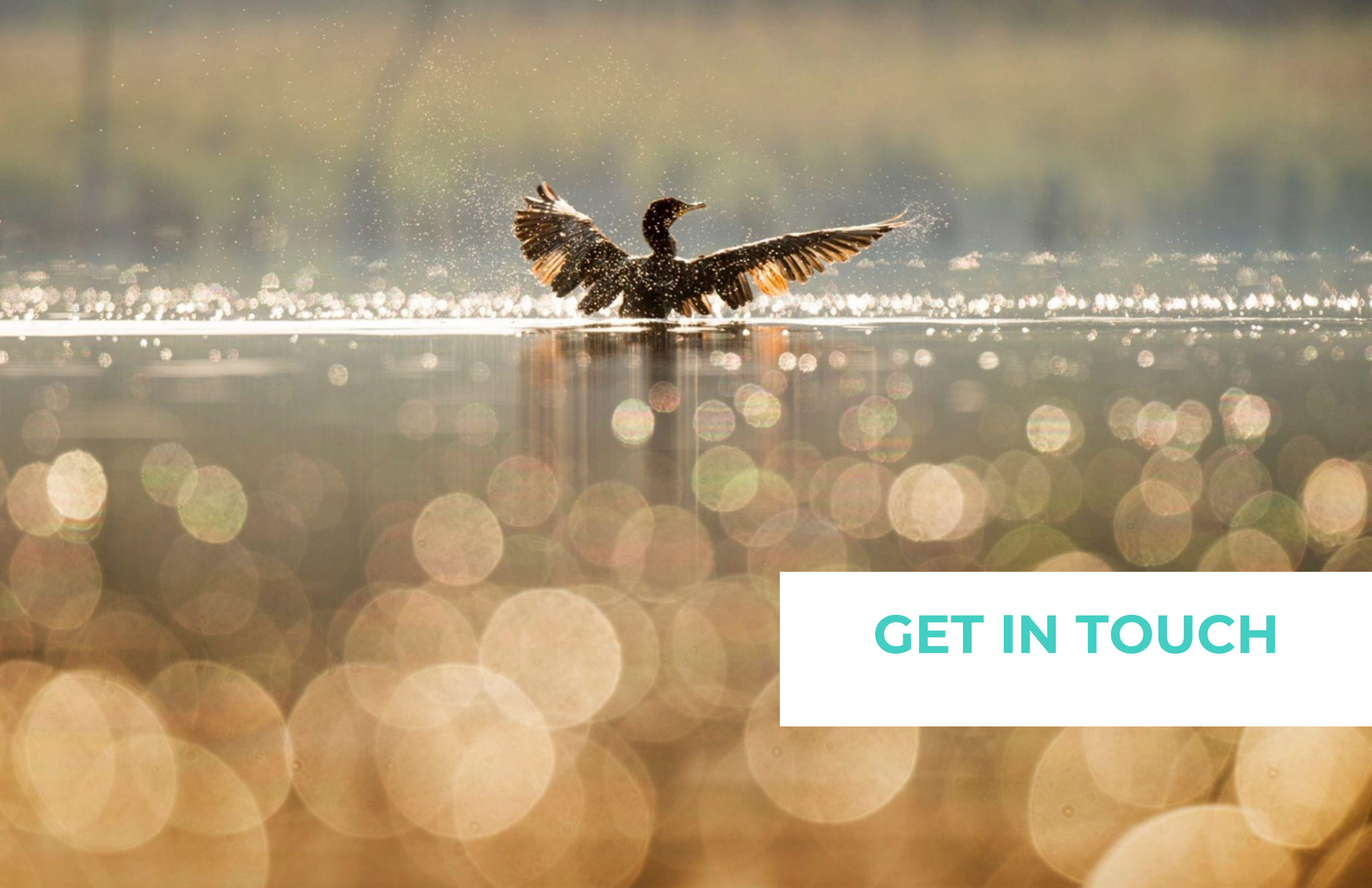


# LSGR – SCWP PROJECTS FUNDED AND UNDER CONSIDERATION



Project Name	DAC Benefit	BMP Type	Planning/Design	Construction	O&M	Technical Resource/ Scientific Study	Cost Share	Measure W Funding	SIP Year	Project Developer
			\$M	\$M	\$M	\$M	\$M	\$M		
1 Adventure Park Multi-Benefit Stormwater Capture	N	D		\$ 13.5			\$ 15.0	\$ 13.5	20-21	Unincorp. County Area of Whittier
2 Caruthers Park	Y	I			\$ 0.9		\$ 13.0	\$ 0.9	20-21	Bellflower
3 Hermosillo Park	Y	I	\$ 4.1	\$ 16.0				\$ 20.1	20-21	Norwalk
4 Bolivar Park	Y	I			\$ 1.3		\$ 11.0	\$ 1.3	20-21	Lakewood
5 Mayfair Park	Y	T			\$ 1.3		\$ 15.0	\$ 1.3	20-21	Lakewood
6 Skylinks Golf Course at Wardlow Stormwater Capture Project	N	T	\$ 2.7	\$ 7.8				\$ 10.4	20-21	Long Beach
7 El Dorado Regional Project	Y	T	\$ 3.0				\$ 0.1	\$ 3.0	20-21	Long Beach
8 Watershed Coordinator	N/A	TR				\$ 1.0		\$ 1.0	20-21	LA CFCD
9 Bellflower Simms Park Stormwater Capture	Y	T	\$ 2.1				\$ 5.6	\$ 2.1	21-22	Bellflower
10 Cerritos Sports Complex	Y	T	\$ 2.4					\$ 2.4	21-22	Cerritos
11 Gateway Area Path Finding Analysis	N/A	SS				\$ 0.1		\$ 0.1	21-22	GWMA
12 Sorensen Park Multi-Benefit	Y	TR				\$ 0.3		\$ 0.3	21-22	LA County PW
13 Lakewood Equestrian Center	Y	T	\$ 1.1				\$ 0.4	\$ 1.1	22-23	Lakewood
14 York Field Stormwater Capture	Y	I	\$ 1.9				\$ 0.6	\$ 1.9	22-23	Whittier
15 Bellflower Simms Park Stormwater Capture	Y	T		\$ 13.7			\$ 0.9	\$ 13.7	22-23	Bellflower
16 Gateway Area Path Finding Analysis Ph 2	N/A	SS				\$ 0.2		\$ 0.2	22-23	GWMA
17 Microplastics in LA County Stormwater	N/A	SS				\$ 0.2	\$ 0.1	\$ 0.2	22-23	Dr. A. Gray, UC Riverside
<b>SubTotal</b>			<b>\$ 17.3</b>	<b>\$ 51.0</b>	<b>\$ 3.4</b>	<b>\$ 1.9</b>		<b>\$ 73.5</b>		
18 Artesia Park Urban Runoff Capture	Y	T	\$ 1.6					\$ 1.6	23-24	Artesia
19 Heartwell Park at Palo Verde Channel Stormwater Capture	N	T	\$ 1.5	\$ 1.8				\$ 3.3	23-24	Long Beach
20 La Habra Heights Stormwater Treatment and Reuse	Y	BF		\$ 0.7				\$ 0.7	23-24	La Habra Heights
21 La Mirada Creek Park	N	BR		\$ 5.8			\$ 1.0	\$ 5.8	23-24	La Mirada
22 Progress Park Stormwater Capture	Y	I	\$ 2.2				\$ 2.2	\$ 2.2	23-24	Paramount
23 Regional Pathogen Reduction	N/A	SS				\$ 1.0		\$ 1.0	23-24	GWMA
24 Targeted Human Waste Source Reduction Strategy	N/A	SS				\$ 0.5		\$ 0.5	23-24	GWMA
<b>Subtotal</b>			<b>\$ 5.3</b>	<b>\$ 8.3</b>	<b>\$ -</b>	<b>\$ 1.5</b>		<b>\$ 15.0</b>		
<b>Total</b>			<b>\$ 22.6</b>	<b>\$ 59.3</b>	<b>\$ 3.4</b>	<b>\$ 5.2</b>		<b>\$ 88.6</b>		

**LEGEND**  
 BMP Type: BF=Biofiltration; BR=Bioretention; D= Diversion to Sanitary Sewer; I = Infiltration Facility; T = Treatment Facility; TR = Technical Resource; SS = Scientific Study  
 Located in SB 535 Disadvantaged Communities



**GET IN TOUCH**

# Clean Water Vision

Get Involved! Share your ideas with us!

Sign up for Lower San Gabriel River  
Watershed Area Information and Events!

Visit us at:

[cleanwatervision.com](http://cleanwatervision.com)

Email us at:

[lsgr@ohanavets.com](mailto:lsgr@ohanavets.com)

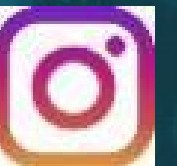
Follow us on social media!

[@lsgrwatershed](https://www.instagram.com/lsgrwatershed)

Community Outreach  
Ideas?

Project Ideas?

Partnership  
Ideas?



SAFE CLEAN WATER L.A.



# TAKE OUR 2 MINUTE COMMUNITY NEEDS SURVEY

What water issues concern you the most?

What does your community need more of?

What outdoor areas need improvement?

LSGR Watershed Area  
Community Survey

[www.cleanwatervision.com](http://www.cleanwatervision.com)





# QUESTIONS? DISCUSSION?



# Discussion Item

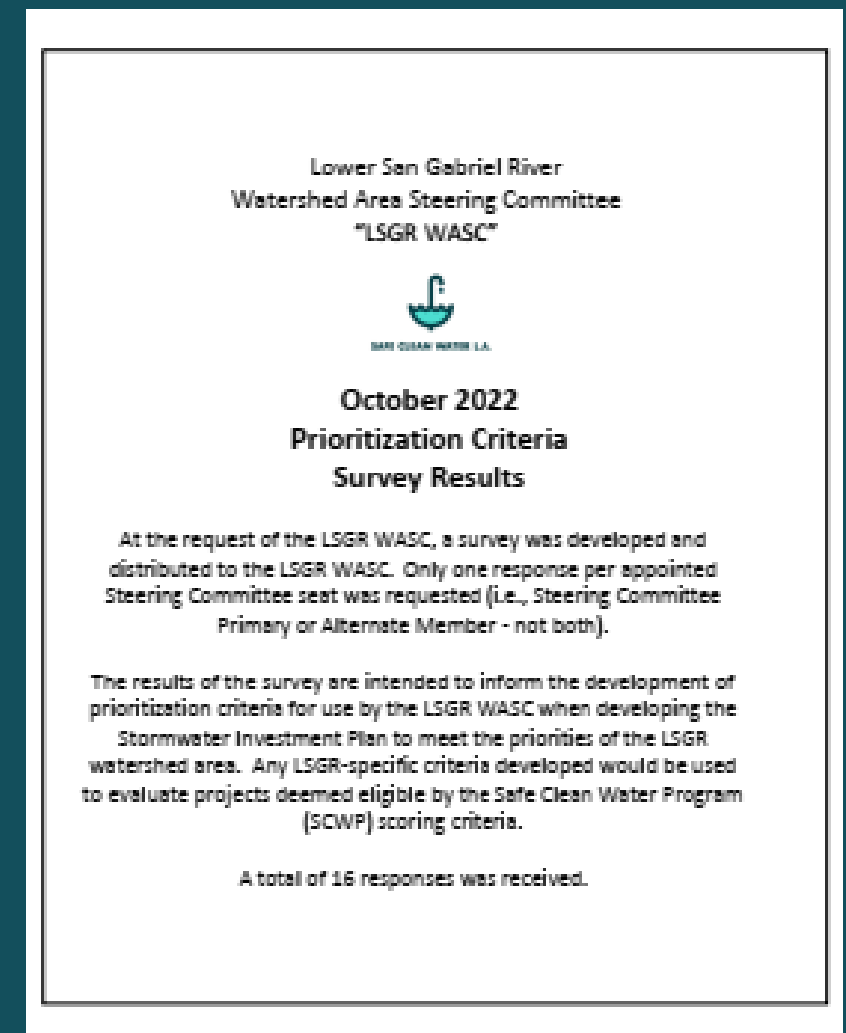


LSGR WASC Prioritization Criteria  
O&M Survey Questions



# Prioritization Criteria WASC Survey

- LSGR WASC requested development of a survey for WASC Members
  - Goal: Assist LSGR WASC in developing project prioritization criteria
- Survey open to WASC Members from 9/20/22 - 10/3/22
  - Only one response per appointed SC seat requested
  - 16 of 17 Seats responded
  - Anonymous survey results distributed to WASC on 10/4/22
- Survey included 5 categories of questions
  - Minimum Catchment Area
  - Project Size Definitions
  - Funding Match
  - Reserving Funds
  - Funding Caps



**Lower San Gabriel River Watershed Area Steering Committee**  
**“LSGR WASC”**  
**Prioritization Criteria**

The LSGR WASC has developed the following prioritization criteria to guide decisions that will help meet the priorities for the LSGR watershed area in its annual Stormwater Investment Plan. The criteria below applies only to LSGR WASC and will be used to evaluate projects deemed eligible by the Safe Clean Water Program (SCWP) scoring criteria.

<b>MINIMUM CATCHMENT AREA?</b>	
1. Should Minimum Catchment Area for Projects be Considered?	Consideration will be on a case-by-case basis
<b>PROJECT SIZE DEFINITIONS</b>	
2. Small-sized Project Definition?	Construction Costs less than \$1M
3. Medium-sized Project Definition?	Construction Costs between \$1M to \$10M
4. Large-sized Project Definition?	Construction Costs over \$10M
<b>FUNDING MATCH</b>	
5. Projects which prioritize Nature-Based Solutions	Consideration will be on a case-by-case basis; WASC requests good faith effort to find funding match
6. Projects with DAC benefits	Consideration will be on a case-by-case basis; WASC requests good faith effort to find funding match
7. Small-sized Projects (less than \$1M)	Request 10% minimum funding match
8. Medium-sized Projects (\$1M to \$10M)	Request 15% minimum funding match
9. Large-sized Projects (>\$10M)	Request 20% minimum funding match
<b>RESERVING FUNDS</b>	
10. Reserving funds for Small-sized Projects	Reserve \$1.5M for Small-sized Projects each year; if reserved funds are not needed in any given year, they will be applied to other eligible projects
<b>11. Reserving funds for O&amp;M Funding</b>	<b>To Be Determined</b>
<b>FUNDING CAPS</b>	
12. Funding Award Caps for Construction Project requests?	No maximum funding cap
<b>13. Funding Award Cap for O&amp;M requests?</b>	<b>To Be Determined</b>



# SUMMARY OF RESPONSES

## Reserving Funds for O&M?

<b>TOTALS:</b>
<b>YES = 10</b>
<b>NO = 6</b>

	Does the WASC need to prioritize and/or reserve funds for <u>Operation &amp; Maintenance</u> funding requests?	If yes, please provide your thoughts on how best to prioritize O&M funding requests.
1	Yes	after Round 5, at least 25% should be prioritized for O&M funding requests and should increase each year thereafter
2	No	
3	No	
4	Yes	This would really be on a case by case basis.
5	No	
6	No	
7	No	
8	Yes	The best way to prioritize O&M funding requests is to have a percentage to set aside for them.
9	Yes	Projects constructed will become ineffective if O&M money is not allocated for their upkeep. Large regional projects may be located in a jurisdiction but serve the watershed. Without O&M money the local agency will need to negotiate complicated MOUs with neighboring cities based on the percentage of catchment if regional O&M money is not provided for project maintenance, or worse, the locality may not have the funds to continue to operate the BMP and the project may be taken out of service.
10	Yes	I have seen grants that provide up to one year of O&M, which is a huge assist towards implementation. I don't think O&M should be for longer periods than that since agencies have access to Measure W O&M dollars.
11	Yes	Set aside at least 10% of annual allocation for O&M funding requests.
12	Yes	Case specific
13	Yes	There are several scenarios here. For simplicity, I will list two scenarios. 1) if the organization/agency has the capacity to provide O&M once a project is funded and completed, we should encourage O&M be funded by the organization/agency. 2) if the organization/agency has no capacity to fund O&M, then O&M funding request should be considered holistically with the project when it is being evaluated. The project scope should include all the O&M funding in the subsequent years for the WASC to see an overall long term picture. We need to understand the impact to our WASC when we decide to fund projects with O&M funding requests.
14	Yes	Suggesting 5-10% of awards to IP projects in any SIP.
15	Yes	Based on need first.
16	No	

**TOTALS:**  
**YES = 7**  
**NO = 9**

## SUMMARY OF RESPONSES

### Should the LSGR WASC consider SCWP Funding Award Caps for O&M?

	ANSWER	If yes, please provide your thoughts on how a funding cap should be considered.	If you answered "No" and would like to share your thoughts, please do so here.
1	No		
2	Yes	If we're not careful, O&M could eat up our entire funding with nothing left for new projects.	
3	No		
4	Yes	\$250,000 per year per project, with consideration of a local match of 25% from the jurisdictions that drain into the project.	
5	Yes	LSGR's allocation for O&M should be minimal (initial first couple of years). O&M should be considered a match or leveraged funding.	
6	Yes	The wasc can't take on the responsibility for operating and maintaining something on behalf of that community, they should have a large percentage of that funded without this.	
7	Yes	Funds should assist in O&M of projects. Projects should also be visited by the WASCs to ensure O&M of facilities are adequate and appropriate.	
8	No		I think it should be considered on a case by case basis.
9	No		
10	Yes	Without understanding how much some of these projects cost to maintain, I would suggest \$500k and 1 year max.	
11	No		
12	No		I think we should indicate that we may not fund projects that are asking for too much of the budget, but not set a hard cap
13	No		If we evaluate each project on its own merits and understand how the size and scope of each project impacts our WASC and our ability to fund other projects, I don't see a need to impose minimums or caps for projects. I'd like to have some flexibility in how we evaluate projects at this point in time, until more patterns generate and start suggesting otherwise.
14	Yes	Max \$1M over 5 years. This is in line with O&M awards LSGR has already made	
15	No	Not necessarily, however, City should be looking to cost share as much as possible.	
16	No	I am not a fan of funding O&M at this point considering the limited funds available to construct projects each year; perhaps O&M funding can be considered after some sort of time horizon 10, 15 years out once a number of the necessary construction projects have been built. It seems that O&M costs should become part of each agency's requirement to fund through local funds/other.	



# DISCUSSION?

