SAFE CLEAN WATER PROGRAM

Lower San Gabriel River Watershed

October 11, 2022 Update

SAFE CLEAN WATER

PRESENTED BY:

OhanaVets, Inc.
Lower San Gabriel River Watershed Coordinator

LSGR – Watershed & Member Agencies

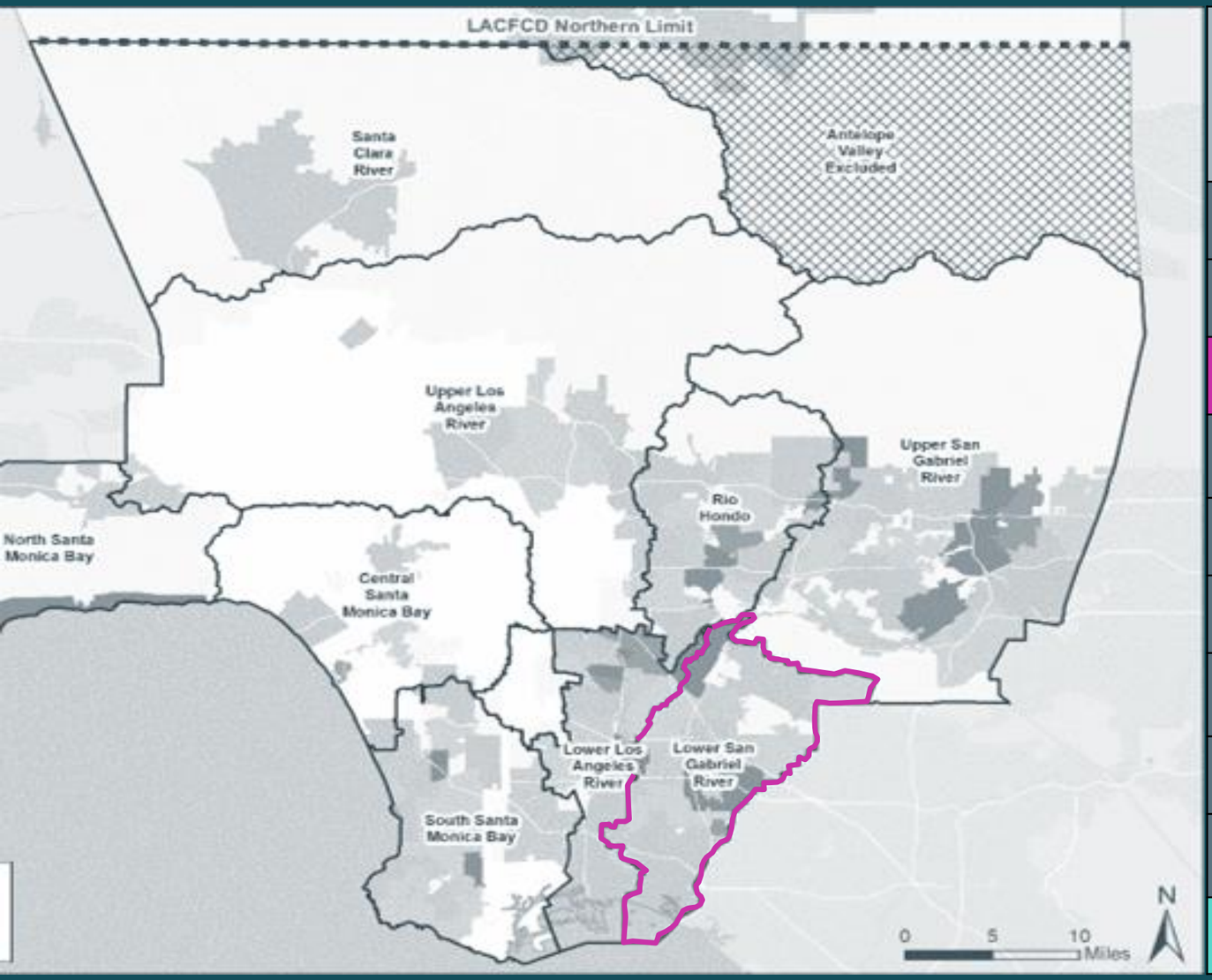
The Lower San Gabriel River "LSGR" Watershed Area represents the lower portion of the San Gabriel River starting at Whittier Narrows. It extends 20 miles ending at the Pacific Ocean.

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
Lower San Gabriel River	**$16.7M**
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
ANNUAL REGIONAL TOTAL:	$140.6M

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

PASSED AS ‘MEASURE W’ IN 2018

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:

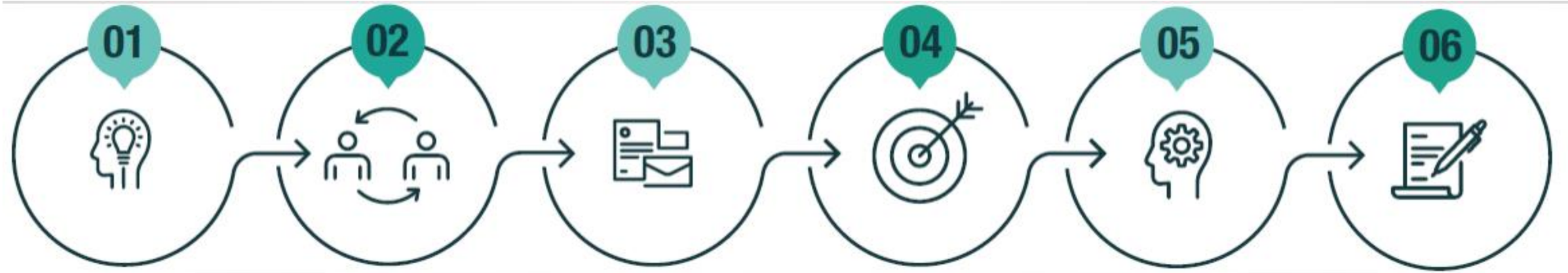
multi-benefit stormwater & urban runoff capture projects

WHO?

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SAFE CLEAN WATER L.A.

PROJECT DEVELOPMENT PROCESS:



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Solicit & Support New Projects

Identify parties with project ideas.

SAFE CLEAN WATER

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

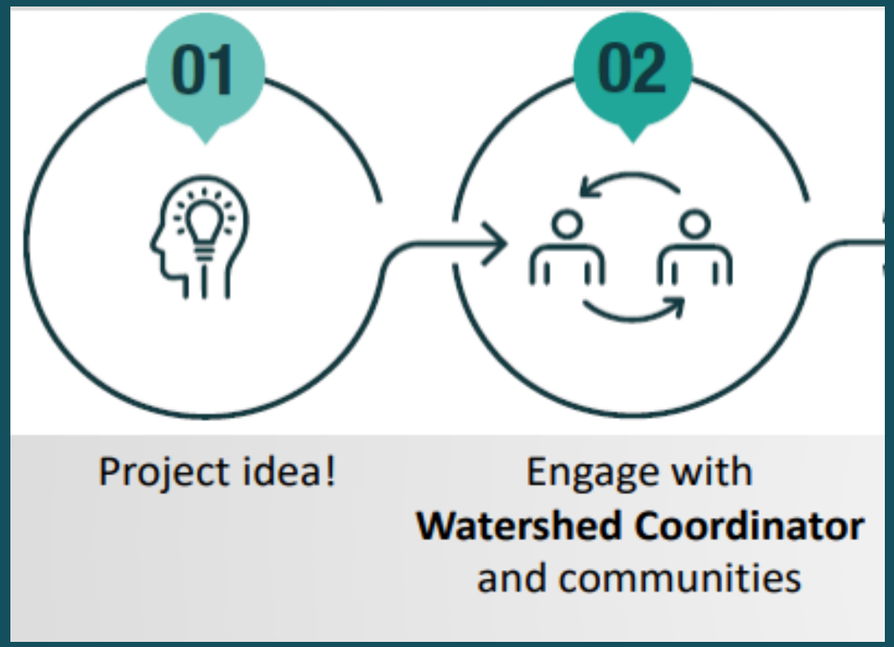
Creating new recreational opportunities

Enhancing green spaces at schools

Reducing local heat island effect

Increasing vegetation and tree cover

STEPS: 1 & 2



SAFE CLEAN WATER L.A.

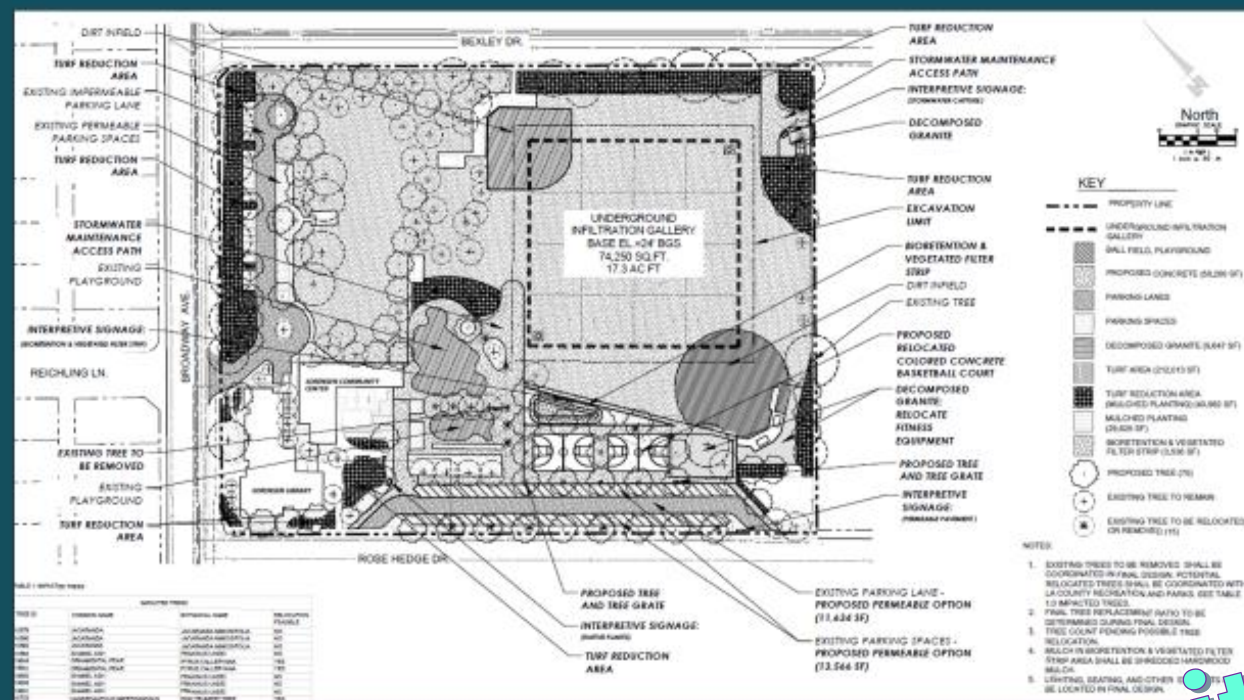
PROJECT DEVELOPMENT PROCESS:
Sorensen Park Multi-Benefit Stormwater Capture Project

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
- Includes Green Infrastructure



Project Components:
- Underground stormwater storage and infiltration gallery beneath baseball fields
- Additional trees, reduced turf area, and enhanced landscaping
- Biofiltration area
- Re-oriented basketball courts
- Permeable pavement in parking lot

1

Solicit & Support New Projects

Identify parties with project ideas.

05

Technical Assistance Teams develop feasibility study

06

Feasibility study used to apply for Infrastructure Program

Community Outreach & Engagement Meeting Coming Soon!

...ths ... months

...s deemed infeasible ... Clean Water Program requirements for ... Program funding ... should not apply for Infrastructure Program funding.

SAFE CLEAN WATER

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***

2

Community Engagement

Gather input on community needs that SCW projects can help fulfill

EDUCATIONAL OUTREACH

- ☑ Downey Touch-a-Truck CWV Education Trailer - ***May***
- ☐ Los Cerritos Wetlands Trust Event? (Pending)

3

Public Education

Educate the public about SCWP projects in their communities

Downey School District

- Joint LSGR and LLAR WC Meeting held 9/16/22
- Met with District Facilities Manager and Field Supervisor
- Total 21 Schools; 13 Qualify for Low-Income Food Program
- 6 of 13 are in LSGR Watershed Area; 7 are in LLAR Watershed Area (still confirming)
- 2022 Facility Master Plan “FMP” developed with extensive Community Engagement
- FMP includes high priority upgrade needs for landscape, on-site flooding, outdoor spaces, etc.
- Measure K ($504M) on November Ballot to update schools
- Projects that are eligible for SCWP funding may need TRP and/or Implementation Funding in the next several years

Gateway Chamber Alliance “GCA”

- Joint LSGR and LLAR Presentation on 9/27/22
- GCA Membership includes:

- Artesia
- Bell
- Bell Gardens
- Cerritos
- Compton
- Downey
- Lakewood
- Montebello
- Norwalk
- Paramount
- Pico Rivera
- Santa Fe Springs
- South Gate
- Whittier
- Metropolitan Water District of Southern California “MWD”
- So. Cal Gas Company
- AT&T

INFRASTRUCTURE PROJECT EXAMPLE

Washington Boulevard Stormwater and Urban Runoff Diversion Project

Water capture and sanitary sewer diversion project.

FUNDED IN: 2020
SCW FUNDING: $3.6 Million
TOTAL COST: $12 Million
PROJECT LEAD: Culver City
WATERSHED: Central Santa Monica Bay

PROJECT FEATURES:

- Subsurface storage system to capture storm event runoff.
- Dry and wet weather runoff will be diverted to sanitary sewer which will be treated at the Hyperion Water Reclamation Plant.
- Some captured water will be used for median irrigation.

PUBLIC-PRIVATE PROJECT EXAMPLE

Washington Boulevard Stormwater and Urban Runoff Diversion Project

This project was identified in the Marina del Rey EWMP plan as necessary for reducing pollution reaching Marina del Rey.

When Costco, which occupies ~30% of the drainage area, applied for a redevelopment permit, the City saw the opportunity to partner with Costco to implement this project. Costco and Culver City entered into an MOU.

Costco’s Contribution

- Financially contributed to design, construction, and O&M costs ($1,345,000).
- Project partially took place on Costco land. **

Costco’s Benefits *

- Are in compliance with NPDES requirements and are able to get their redevelopment permit.
- More cost-effective than implementing their own stormwater project.

Culver City’s Contribution

- Takes responsibility for NPDES requirements.
- Implements project.
- Takes on liability.
- Financially contributed to project

Culver City’s Benefits

- Got a financial contribution from Costco.
- Gained access to a parcel that captures about 30% of the City’s drainage area to MDR. **

*In this case tax savings was not a significant motivator.
** Actual construction on Costco’s property was limited to small area along the sidewalk for an electrical cabinet.

Infrastructure LA Initiative

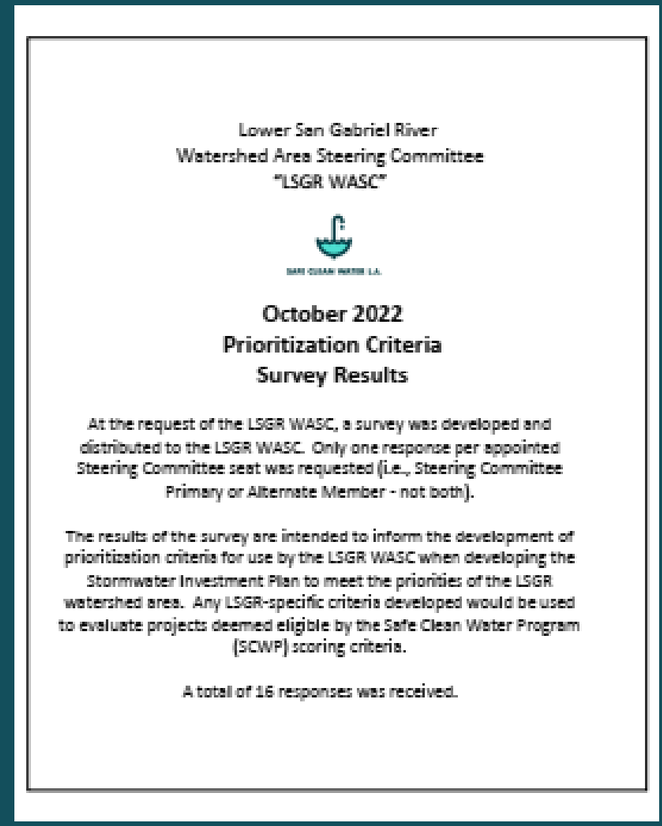
- Source of funding: Federal Bi-Partisan Infrastructure Law
- LA County Board of Supervisors launched initiative on April 5, 2022
  - Objective: maximize County's share of federal dollars
  - Emphasis on projects that advance equity, sustainability, and climate resilience goals
- Benefits of Initiative
  - Regional Approach
  - Maximize Funding Received
  - Project Evaluation
  - Cost Effective
  - LA County Board of Supervisors endorsement
- Potential Multi-Jurisdictional Grants
  - Transportation Projects
  - Vision Zero/Safe Streets
  - EV Charging Infrastructure
  - Bridge Investment Program
  - Reconnecting Communities Program
  - "Safe Clean Water Program" Type Projects
  - Water Supply Projects

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"

October 2022
Prioritization Criteria
Survey Results

At the request of the LSGR WASC, a survey was developed and distributed to the LSGR WASC. Only one response per appointed Steering Committee seat was requested (i.e., Steering Committee Primary or Alternate Member - not both).

The results of the survey are intended to inform the development of prioritization criteria for use by the LSGR WASC when developing the Stormwater Investment Plan to meet the priorities of the LSGR watershed area. Any LSGR-specific criteria developed would be used to evaluate projects deemed eligible by the Safe Clean Water Program (SCWP) scoring criteria.

A total of 16 responses was received.

Highlights of Survey Results

- **Should Minimum Catchment Area for Projects be Considered?**
  - RESPONSES: 2 “YES”; 6 “NO”; 8 “SOMETIMES”

- **Defining Project Sizes**
  - RESPONSES: 9 – DEFINE BY $; 5 – BASED ON A/F CAPTURED, DRAINAGE AREA OR PARCEL SIZE; 2 – NO RESPONSE

- **If a project prioritizes NATURE-BASED solutions, is the need for a funding match a priority?**
  - RESPONSES: 14 – REMAINS A PRIORITY; 2 – LESS OF A PRIORITY

- **If a project benefits DISADVANTAGED COMMUNITIES, is the need for a funding match a priority?**
  - RESPONSES: 4 – REMAINS A PRIORITY; 10 – LESS OF A PRIORITY; 2 – MORE OF A PRIORITY

Highlights of Survey Results

- **Suggested Minimum % Funding Match based on Project Size (Small, Medium and Large)**
  - RESPONSES FOR SMALL: Varied between 0% to 25%
  - RESPONSES FOR MEDIUM: Varied between 0% to 25%
  - RESPONSES FOR LARGE: Varied between 0% to 50%
- **Does the WASC need to prioritize and/or reserve funds for small-sized projects or O&M?**
  - RESPONSES: FOR SMALL-SIZED PROJECTS – YES 8; NO 8
  - RESPONSES: FOR O&M – YES 10; NO 6
- **Should the LSGR WASC consider a SCWP Funding Award Cap for CONSTRUCTION or O&M?**
  - RESPONSES FOR CONSTRUCTION – YES 6; NO 10
  - RESPONSES FOR O&M: YES 7; NO 6

GET IN TOUCH

Community Outreach Ideas?

Project Ideas?

Partnership Ideas?

Get Involved! Share your ideas with us!

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

Visit us at:

cleanwatervision.com

Email us at:

lsgr@ohanavets.com

Follow us on social media!

@lsgrwatershed

SAFE CLEAN WATER L.A.

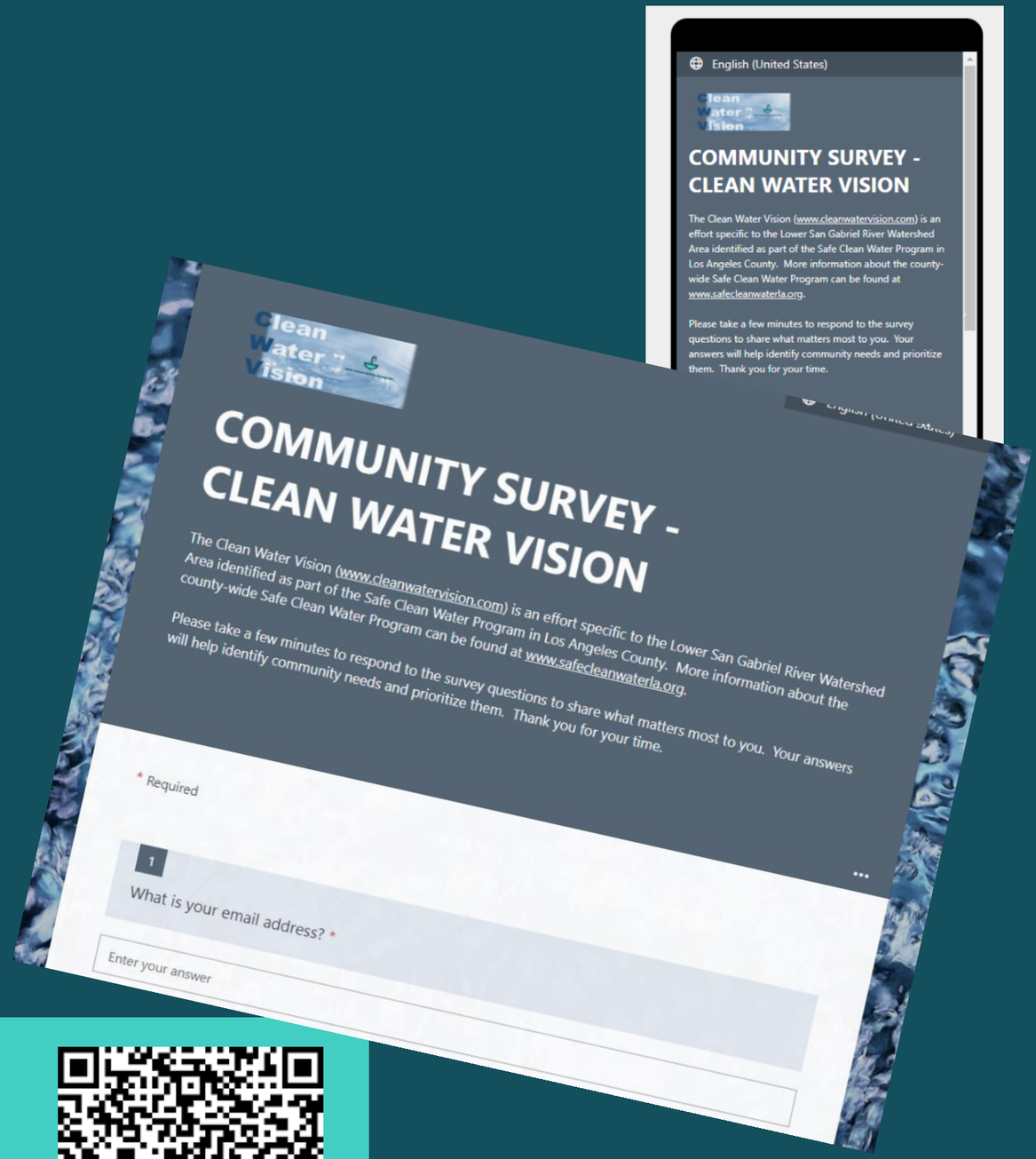
TAKE OUR 2 MINUTE

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

QUESTIONS? DISCUSSION?

Discussion Item

Project Funding and Distribution of Projects

ACTION ITEM – Development of Project Summaries

Development of Project Fact Sheets and Mapping

- ❑ Goal: Assist LSGR WASC in reviewing and evaluating project applications requesting funding;

- ❑ Goal: Make LSGR project information readily available to share with WASC and members of the public

SCWP Ordinance – Regional Program Highlights

- “Shall be programmed, to the extent feasible, such that **each Municipality receives benefits in proportion to the funds generated** within their jurisdiction…”

- “Shall be allocated such that funding for Projects that provide **a DAC Benefit is not less than one hundred ten percent (110%) of the ratio of the DAC population** to the total population in each Watershed Area;” *(Ordinance Definition: "Disadvantaged Community (DAC) Benefit" means a Water Quality Benefit, Water Supply Benefit, and/or Community Investment Benefit **located in a DAC or providing benefits directly to a DAC population**).*

- “Shall be programmed, to the extent feasible, such that **a spectrum of project types and sizes are implemented** throughout the region;”

- “Shall be programmed, to the extent feasible, such that **Nature-Based Solutions are prioritized**;”

- “Shall be disbursed to a non-municipal Infrastructure Program Project Applicant only after the Infrastructure Program **Project Applicant has secured a letter of support from the Municipality** in which the Project is located;”

- “Shall be prioritized and spent on Projects that, to the extent feasible, **assist in achieving compliance with [MS4 Permit]…”**

PROJECT SCORING CRITERIA

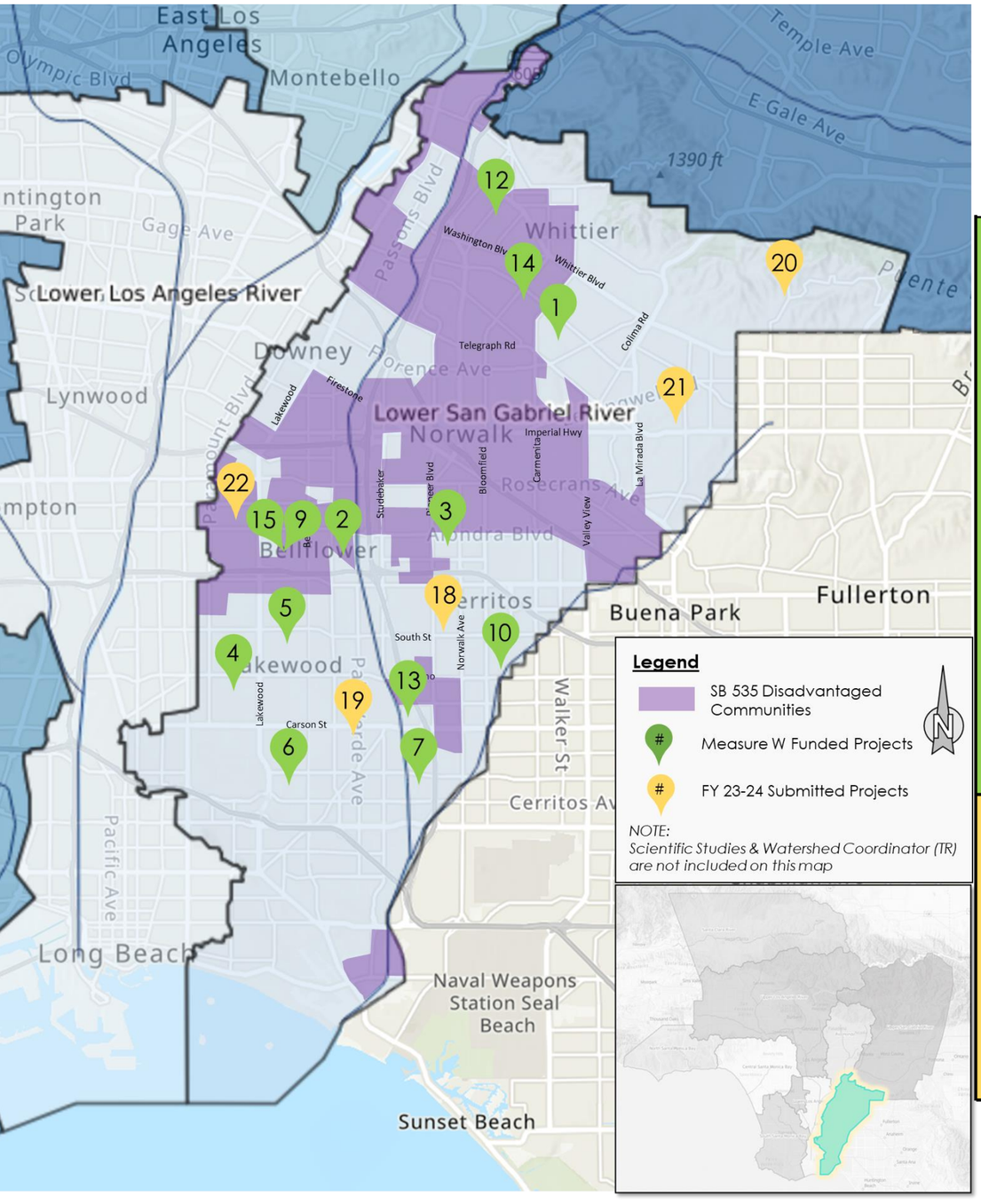
Projects must achieve a score of **at least 60 out of 110** to be considered for funding

Section	Score Range
A.1 Wet + Dry Weather Water Quality Benefits	50 points max
-OR-	
A.2 Dry Weather Only Water Quality Benefits	40 points max
B. Significant Water Supply Benefits	25 points max
C. Community Investments Benefits	10 points max
D. Nature-Based Solutions	15 points max
E. Leveraging Funds and Community Support	10 points max
TOTAL	**110 points**

65-75 Points Possible

34 Points Possible

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		
Funded	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	LACFCD
	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
		SubTotal			**$ 17.3**	**$ 51.0**	**$ 3.4**	**$168.7**		**$ 73.5**		
FY 23-24 Project Applications	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 Treament 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	~~Lakewood~~ GWMA
		Subtotal			**$ 5.3**	**$ 8.3**	**$ -**	**$ 1.5**		**$ 15.0**		
		Total			**$ 22.6**	**$ 59.3**	**$ 3.4**	**$ 3.3**		**$ 88.6**		

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

Project Fact Sheets

- Project Description
- Project Lead
- Benefits Disadvantaged Community
- Funding Amount and Year
- Project Features
- Project Graphics
- Shared on *www.cleanwatervision.com*

LSGR INFRASTRUCTURE PROJECT
CARUTHERS PARK

A regional stormwater and urban runoff capture facility at Caruthers Park in the City of Bellflower.

PROJECT LEAD:	City of Bellflower
WATERSHED:	LSGR
DISADVANTAGED COMMUNITY PROJECT?	Yes

Funding Year	*Amount*
2020-2021	$147K (O&M)
2021-2022	$177K (O&M)
2022-2023	$177K (O&M)
2023-2024	$177K (O&M)
2024-2025	$177K (O&M)

PROJECT FEATURES:

- Captures Water from 3,256 acres
- Harvested water will be utilized for irrigation
- Improves Flood Protection
- Enhances Habitat or Park Space
- Provides Recreational Opportunities
- Reduces Heat Island Effects
- Increases Shade and Trees

LSGR INFRASTRUCTURE PROJECT
EL DORADO REGIONAL PROJECT

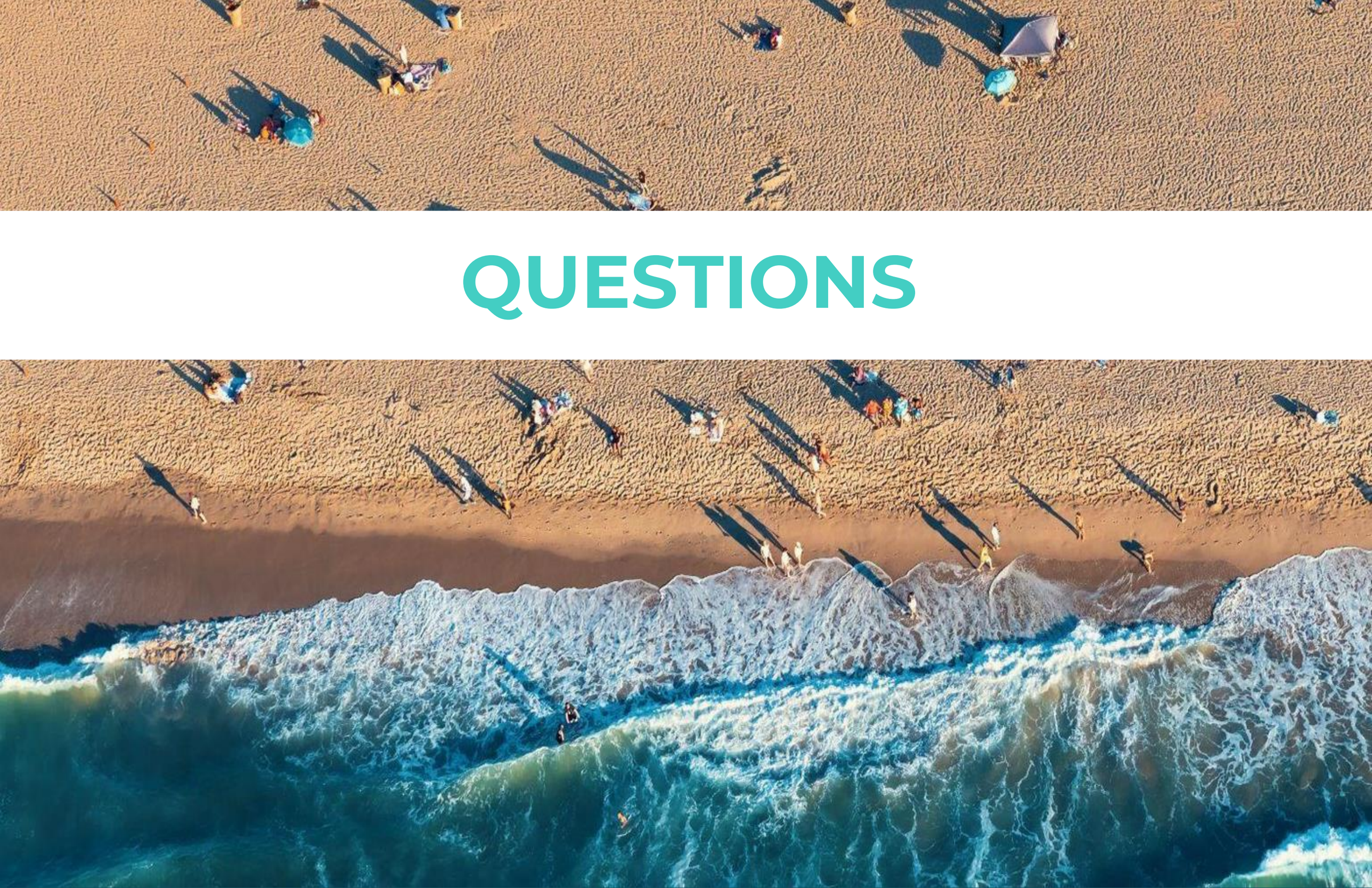
The proposed project will entail the development of an expansive 13.9 acre-foot treatment wetland system consisting of a series of seven hydraulically connected pools at El Dorado Regional Park. Dry weather flows and a portion of the 85th percentile storm event will be diverted to the wetlands.

PROJECT LEAD:	City of Long Beach
WATERSHED:	LSGR
DISADVANTAGED COMMUNITY PROJECT?	Yes

Funding Year	*Amount*
2020-2021	$900K (Design)
2021-2022	$1.5M (Design)
2022-2023	$600K (Design)

PROJECT FEATURES:

- Captures water from 2,924 acres
- Improves Flood Protection
- Provides Recreational Opportunities
- Improves Waterway Access
- Enhances Habitat or Park Space
- Increases Shade and Trees
- Reduces Heat Island Effects

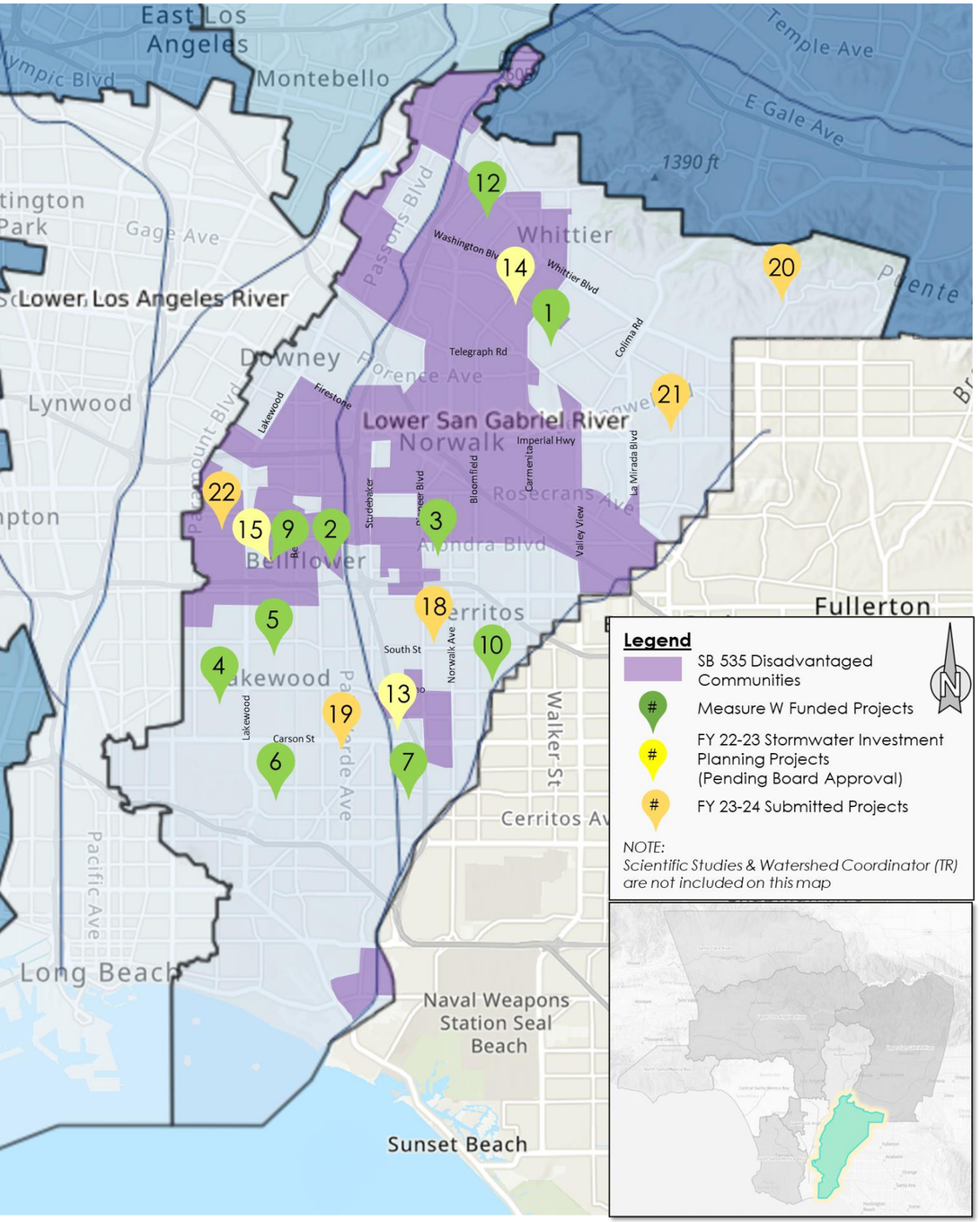


QUESTIONS

Discussion Item

Round 4 - Project Summaries

LSGR – SCWP PROJECTS FUNDED AND UNDER CONSIDERATION



	Project Name	DAC Benefit	BMP Type	Planning/Design $M	Construction $M	O&M $M	Technical Resource/ Scientific Study $M	Cost Share $M	Measure W Funding $M	SIP Year	Project Developer
Funded	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
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	8 Watershed Coordinator	N/A	TR				$ 1.0		**$ 1.0**	20-21	LACFCD
	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
	SubTotal			**$ 14.3**	**$ 37.3**	**$ 3.4**	**$ 1.4**		**$ 56.4**		
SIP Projects Pending Board Approval	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
	SubTotal			**$ 3.0**	**$ 13.7**	**$ -**	**$ 0.5**		**$ 17.2**		
FY 23-24 Project Applications	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 Treament 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	~~Lakewood~~ GWMA
	Subtotal			**$ 5.3**	**$ 8.3**	**$ -**	**$ 1.5**		**$ 15.0**		
Total				**$ 22.6**	**$ 59.3**	**$ 3.4**	**$ 3.3**		**$ 88.6**		

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Located in SB 535 Disadvantaged Communities

LSGR WATERSHED AREA FY23-24 PROJECT APPLICANT

ARTESIA PARK URBAN RUNOFF CAPTURE PROJECT

SAFE CLEAN WATER PROGRAM

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 DISADVANATED COMMUNITY(DAC)?	**No**
BENEFITS DAC?	**Yes**
PRELIMINARY SCORE:	**66**
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

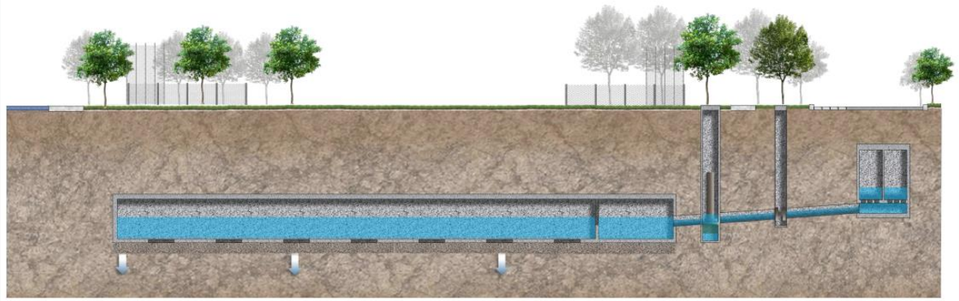
Pre-Cast Subsurface Storage Facility

Ephemeral Stream to butterfly garden

PRELIMINARY SCW SCORING

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

TYPICAL CROSS SECTION



PROJECT CHARACTERISTICS

Primary Pollutant Zinc Reduction Achieved (% Zn reduction)	76 lb/yr (91.4%)
Secondary Pollutant Bacteria (% Bacteria load reduction)	1.57 x 10^{13} MPN (98.1%)
Design Diversion Rate Project No. BI0021, 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

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LSGR WATERSHED AREA FY23-24 PROJECT APPLICANT

LA MIRADA CREEK PARK PROJECT

SAFE CLEAN WATER PROGRAM

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

PROJECT LEAD:	**City of La Mirada**
BMP TYPE:	**Bioretention**
LOCATED IN DISADVANATED COMMUNITY(DAC)?	**No**
BENEFITS DAC?	**No**
PRELIMINARY SCORE:	**75**
TOTAL MEASURE W FUNDING REQUEST:	**$5,752,200**

FUNDING YEAR	***AMOUNT***
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

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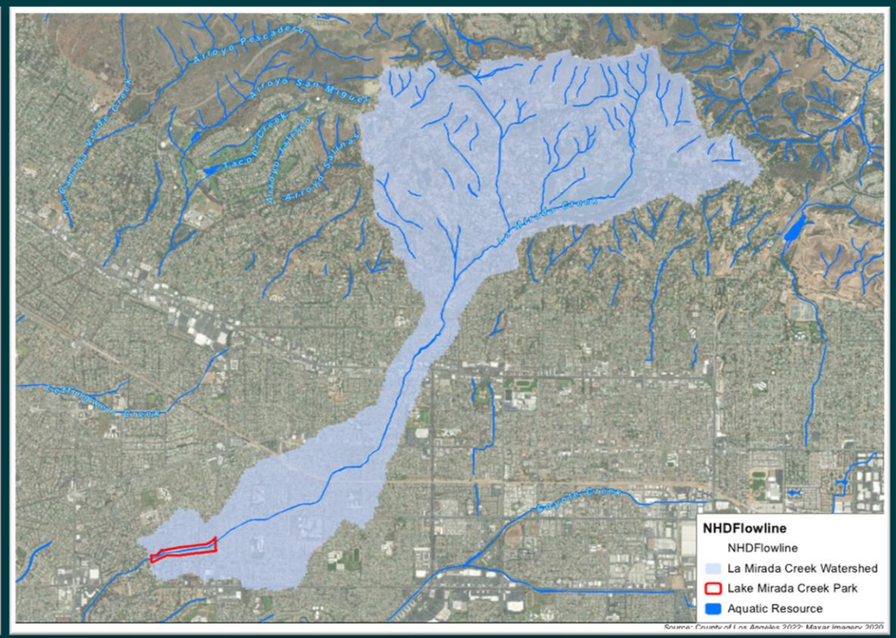
Existing Concrete Channel



LSGR WATERSHED AREA FY23-24 PROJECT APPLICANT

HEARTWELL PARK AT PALO VERDE CHANNEL STORMWATER CAPTURE PROJECT

SAFE CLEAN WATER PROGRAM

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

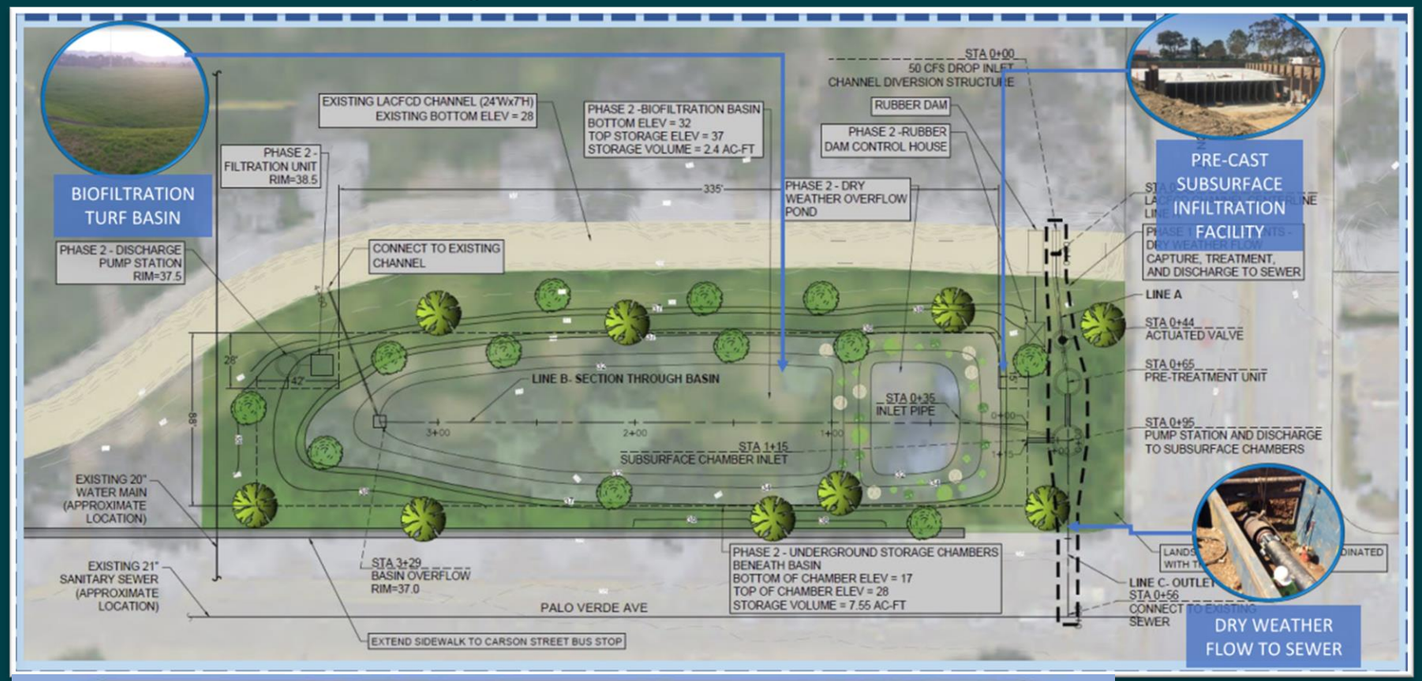
PROJECT LEAD:	**City of Long Beach**
BMP TYPE:	**Treatment Facility**
LOCATED IN DISADVANATED COMMUNITY(DAC)?	**No**
BENEFITS DAC?	**No**
PRELIMINARY SCORE:	**69**
TOTAL MEASURE W FUNDING REQUEST:	**$3,313,865**

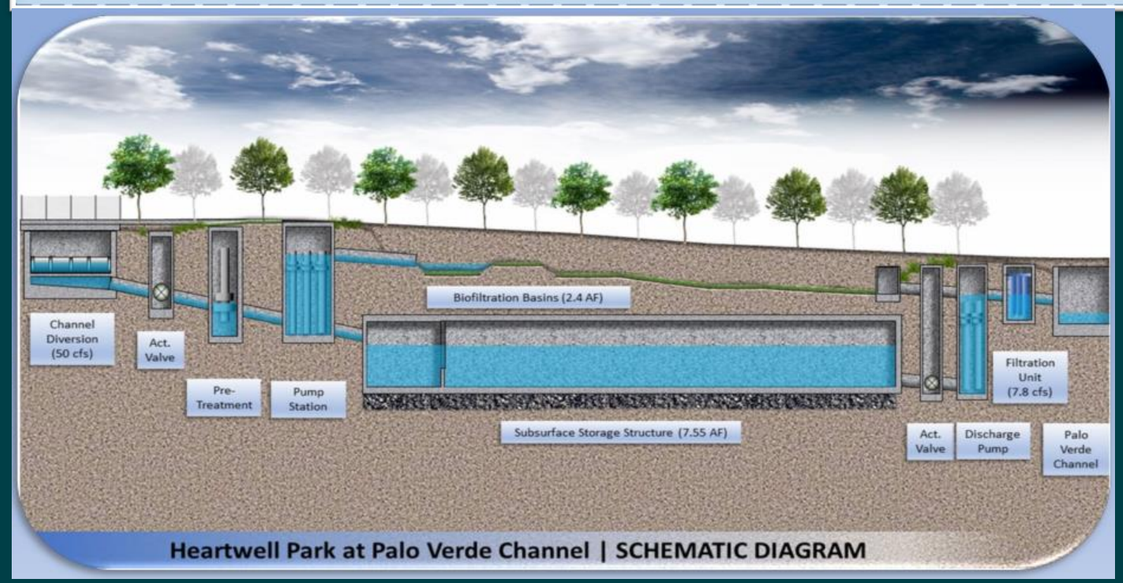
FUNDING YEAR	***AMOUNT***
Year 1	**$1,485,048 (Design)**
Year 2	**$1,828,817 (Phase 1 Const.)**

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





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LSGR WATERSHED AREA FY23-24 PROJECT APPLICANT

LA HABRA HEIGHTS STORMWATER TREATMENT AND REUSE SYSTEM THE PARK HACEINDA ROAD

SAFE CLEAN WATER PROGRAM

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 DISADVANATED COMMUNITY(DAC)?	**No**
BENEFITS DAC?	**Yes**
PRELIMINARY SCORE:	**72**
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

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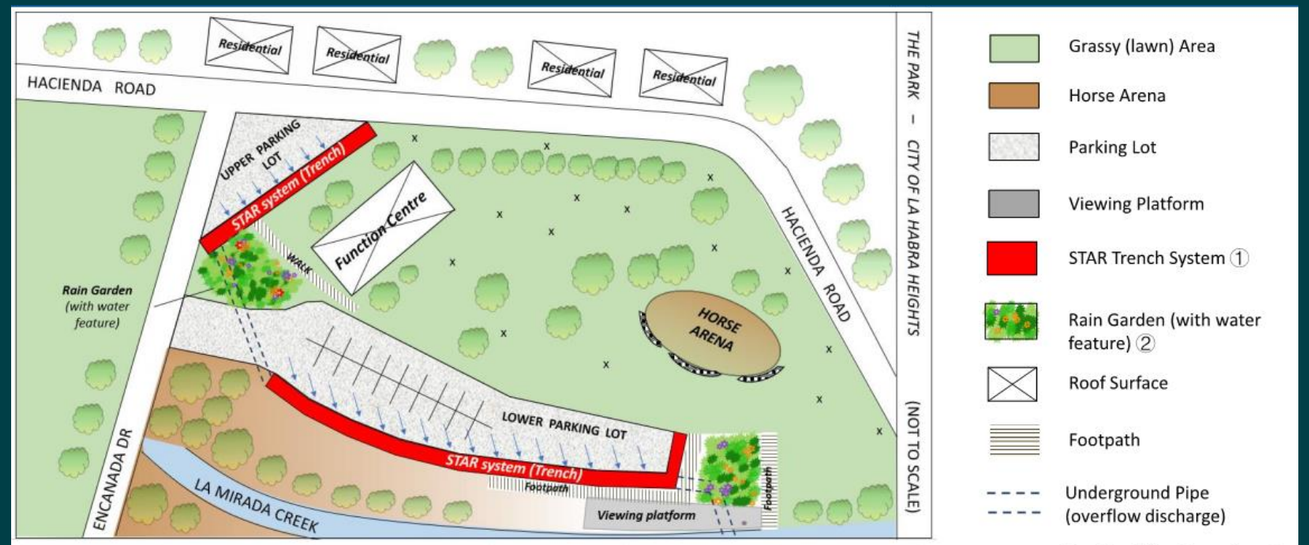
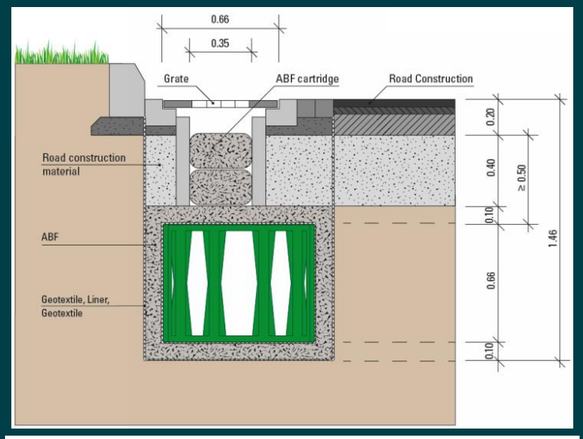
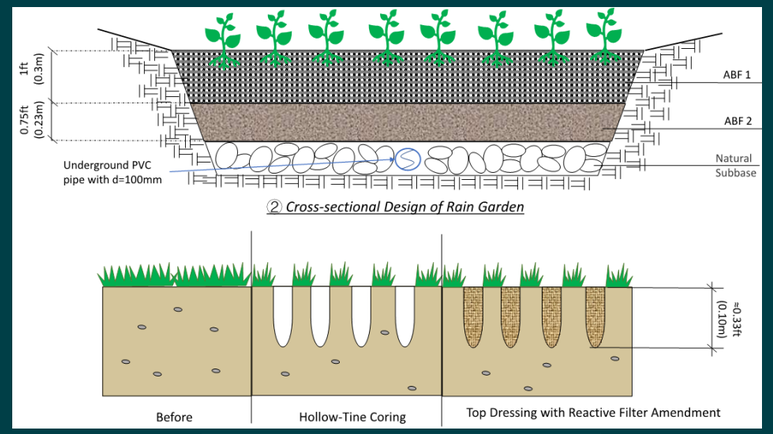


Catchment Area	Road (Hacienda Rd & Encanada Dr)	Roof (Function Center & Residential)	Parking Lot	Grassy Area of The Park	Total
Impermeable	2.061 ac (8,340m²)	0.760 ac (3,076m²)	1.384 ac (5,600m²)	-	4.205 ac (17,016m²)
Permeable	-	-	-	2.471ac (10,000m²)	2.471ac (10,000m²)



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

SAFE CLEAN WATER PROGRAM

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

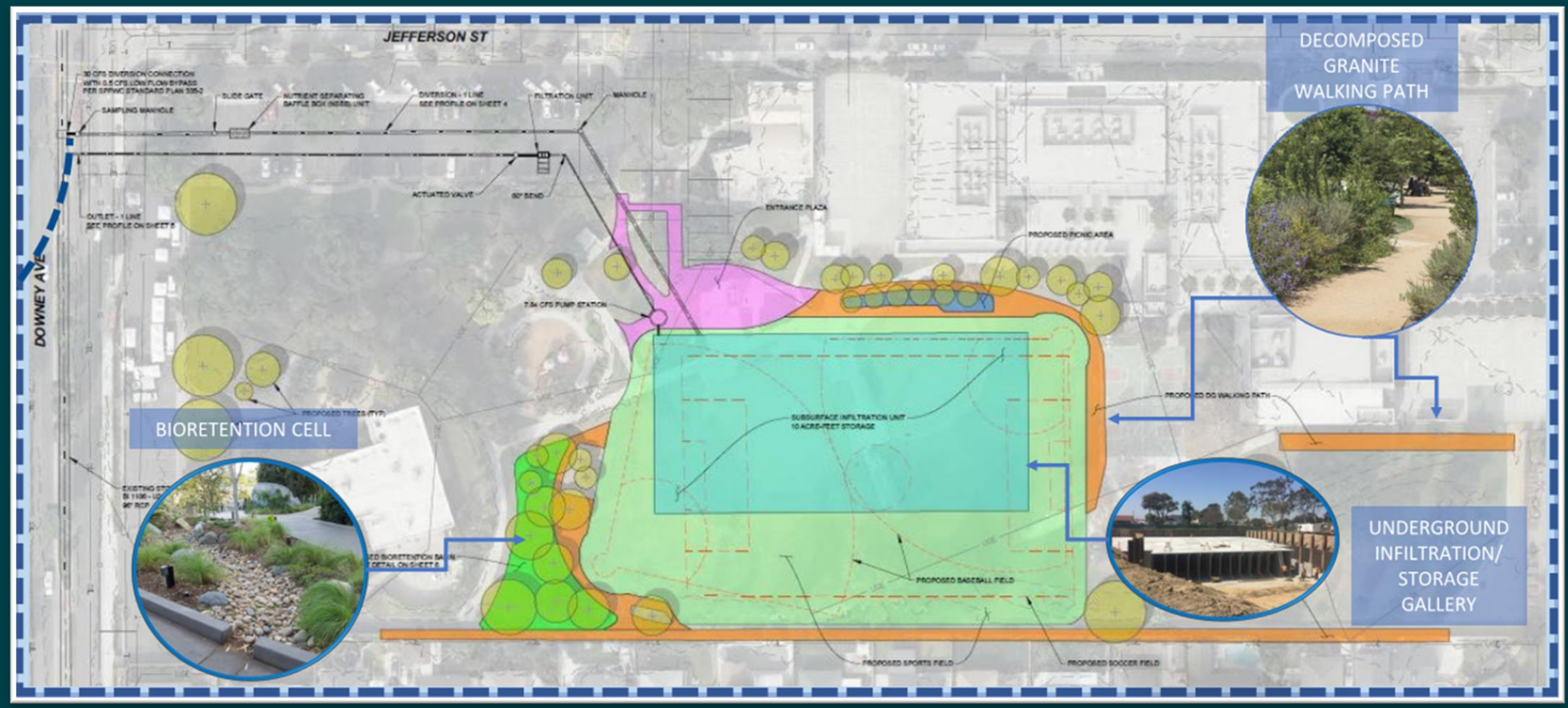
PROJECT LEAD:	City of Paramount
BMP TYPE:	Infiltration Facility
LOCATED IN DISADVANATED COMMUNITY(DAC)?	Yes
BENEFITS DAC?	Yes
PRELIMINARY SCORE:	79
TOTAL MEASURE W FUNDING REQUEST:	$2,161,744

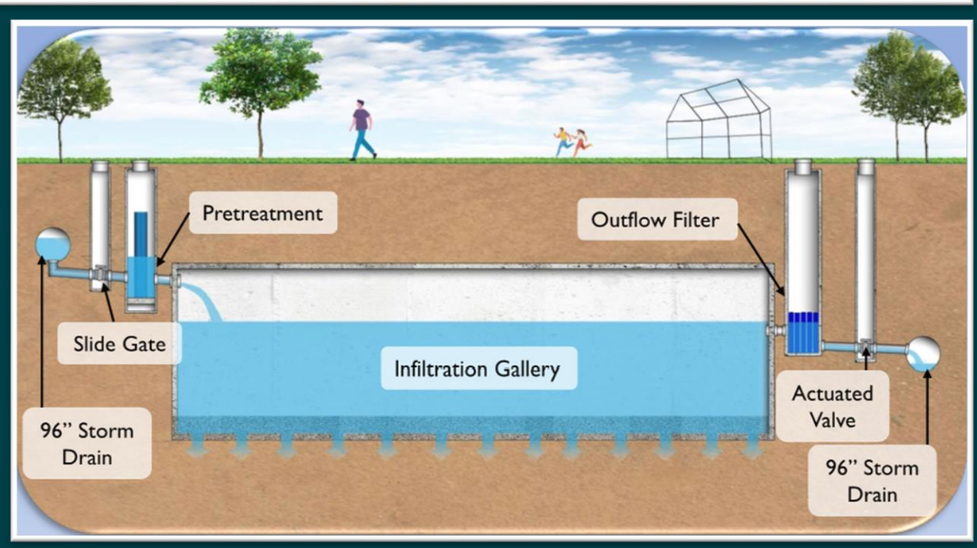
FUNDING YEAR	*AMOUNT*
Year 1	$2,161,744 (Design)

COST SHARE?	No
CONSTRUCTION COST:	$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





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LSGR WATERSHED AREA FY23-24 PROJECT APPLICANT

REGIONAL PATHOGEN REDUCTION STUDY

SAFE CLEAN WATER PROGRAM

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**

FUNDING YEAR	***AMOUNT***
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**

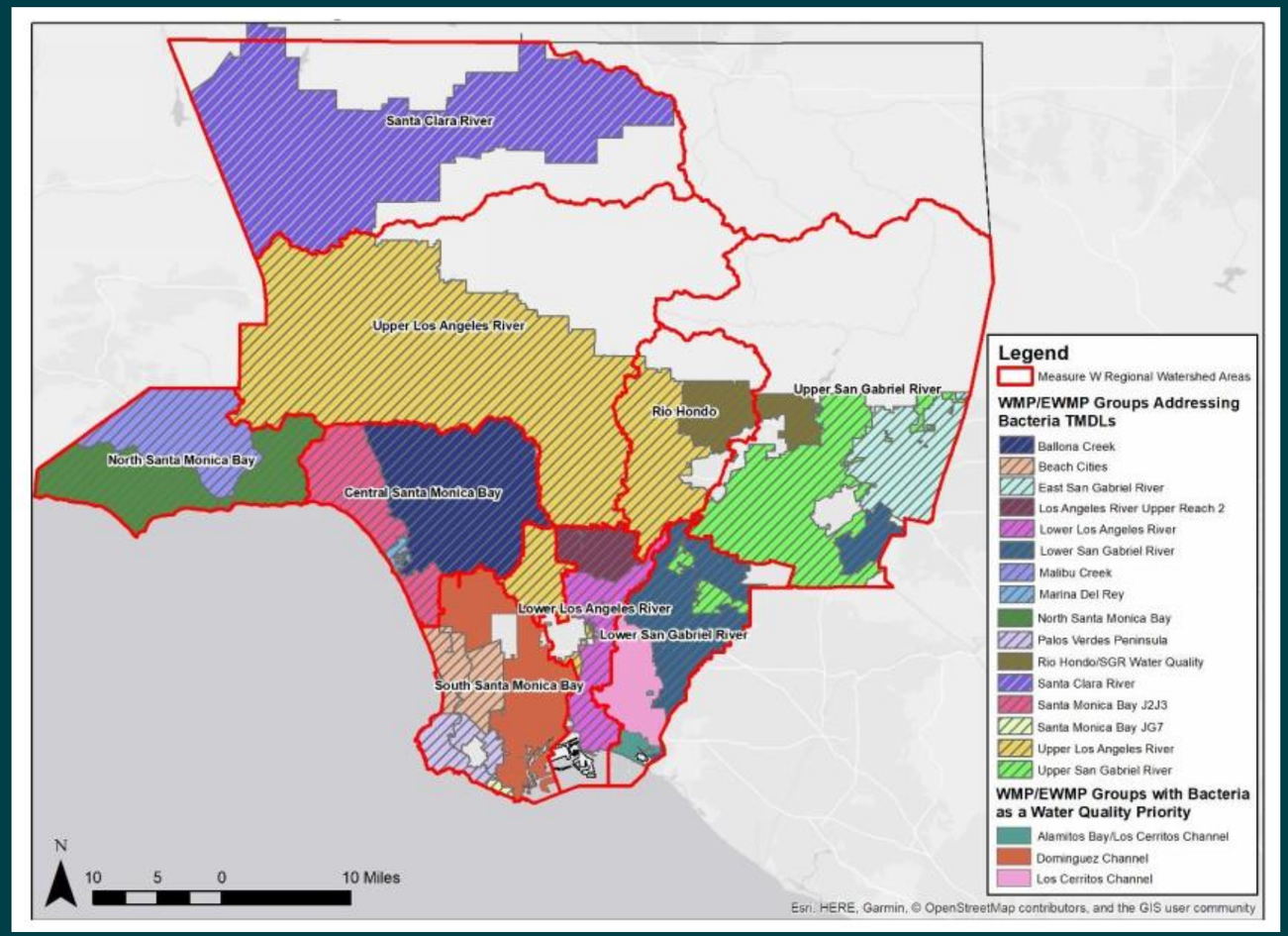

Figure 1. Watershed Management Program/Enhanced Watershed Management Program Groups Addressing Bacteria and SCWP Watershed Areas

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.

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LSGR WATERSHED AREA FY23-24 PROJECT APPLICANT

TARGETED HUMAN WASTE SOURCE REDUCTION STRATEGY TO ADDRESS BACTERIA RELATED COMLIANCE OBJECTIVES FOR THE LOS CERRITOS CHANNEL

SAFE CLEAN WATER PROGRAM

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

PROJECT LEAD: ~~City of Lakewood~~ **Gateway Water Management Authority**

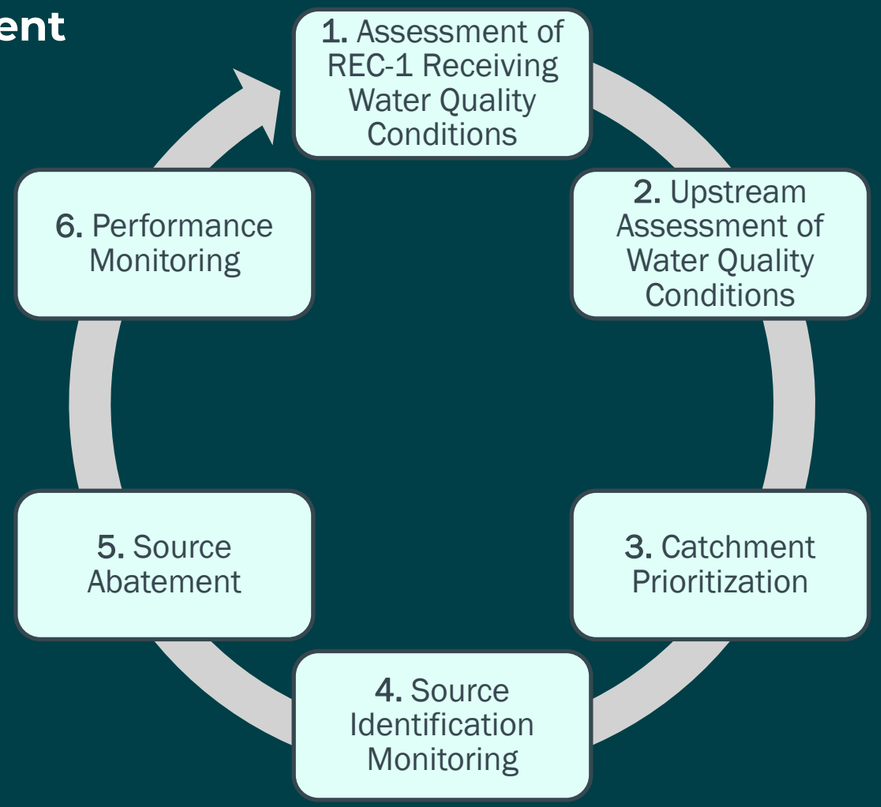
TOTAL MEASURE W FUNDING REQUEST: **$475,000**

FUNDING YEAR	***AMOUNT***
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.



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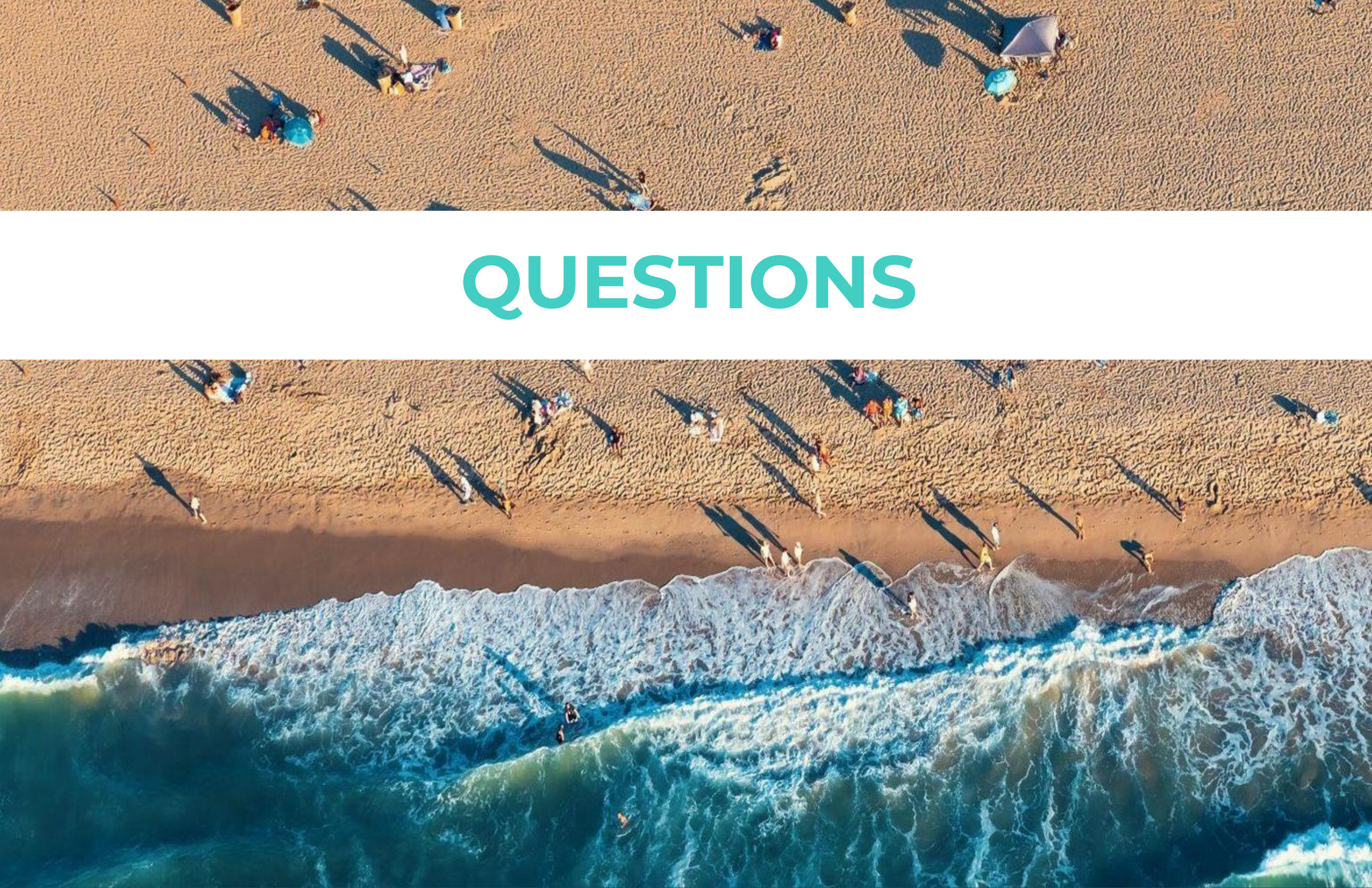

QUESTIONS