SAFE CLEAN WATER PROGRAM

Lower San Gabriel River Watershed

August 8, 2023 Watershed Coordinator Update

SAFE CLEAN WATER

PRESENTED BY:

OhanaVets, Inc.
Lower San Gabriel River Watershed Coordinator

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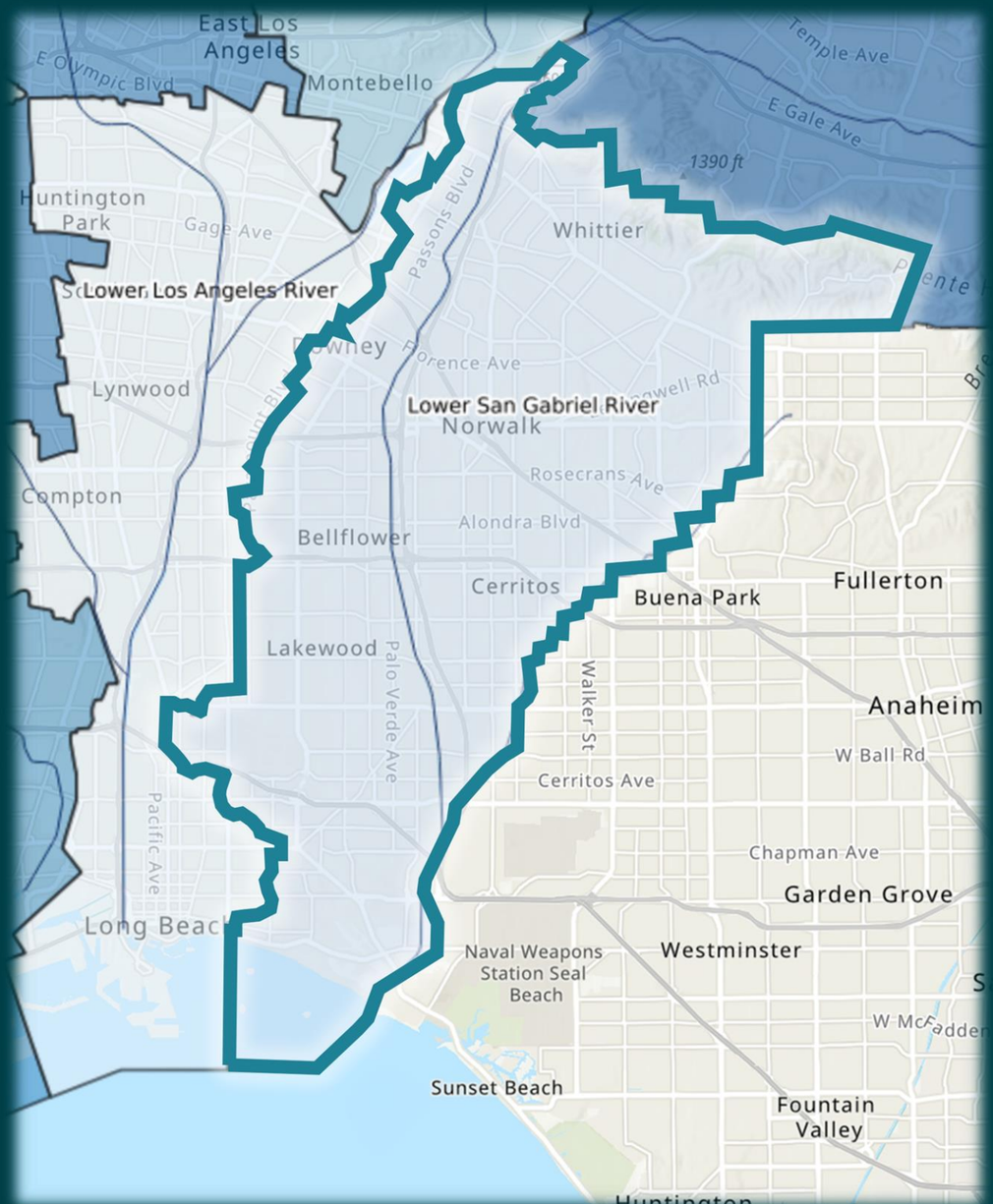
LSGR – Watershed & Member Agencies

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

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Workshops/Meetings/Education Events

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

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

- ☑ **Groundwater Festival at WRD – May 6th**
- ☑ **Touch-a-Truck at Whittier City Hall – May 24th**
- ☑ **Neighborhood Small Scale Project Coordination Workshops – June, July, August**
- ☑ **Earth Walk City of Lakewood – March 2024**
- ☑ **Earth Day LA County Sanitation Districts - April 2024**

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Photos of Recent Events

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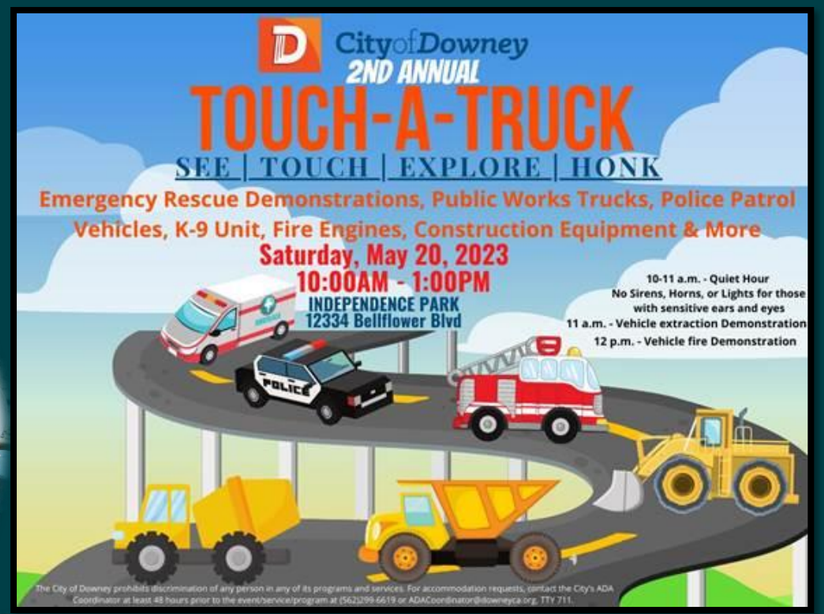
Photos of Recent Events



LSGR WASC Prioritization Criteria

- In 2022 LSGR WASC requested WC help to develop consensus on how to define certain SCWP elements not otherwise defined.
- Goal: Assist LSGR WASC in decision-making to help meet the priorities of the LSGR and SCWP.

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 (SIP). 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. The prioritization criteria below is considered a guidance tool and is not binding. It may be modified as needed by the LSGR WASC at any time.

MINIMUM CATCHMENT AREA?		
1.	Should Minimum Catchment Area for Projects be Considered?	Consideration will be on a case-by-case basis.
PROJECT SIZE DEFINITIONS?		
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
MINIMUM FUNDING MATCH?		
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
RESERVING FUNDS?		
10.	Reserving funds for Small-sized Projects	Reserve up to $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.
11.	Reserving funds for O&M Funding	If a project intends to utilize SCWP regional funding to support ongoing O&M, the SCWP construction funding application should identify the intent and need prior to construction award. This will allow for the project's O&M funding needs to be prioritized and considered for future O&M funds. Additional funds may also be reserved annually for non-SCWP funded construction projects.
FUNDING CAPS?		
12.	Funding Award Caps for Construction Project requests?	No maximum funding cap.
13.	Funding Award Cap for O&M requests?	Consideration will be on a case-by-case basis.

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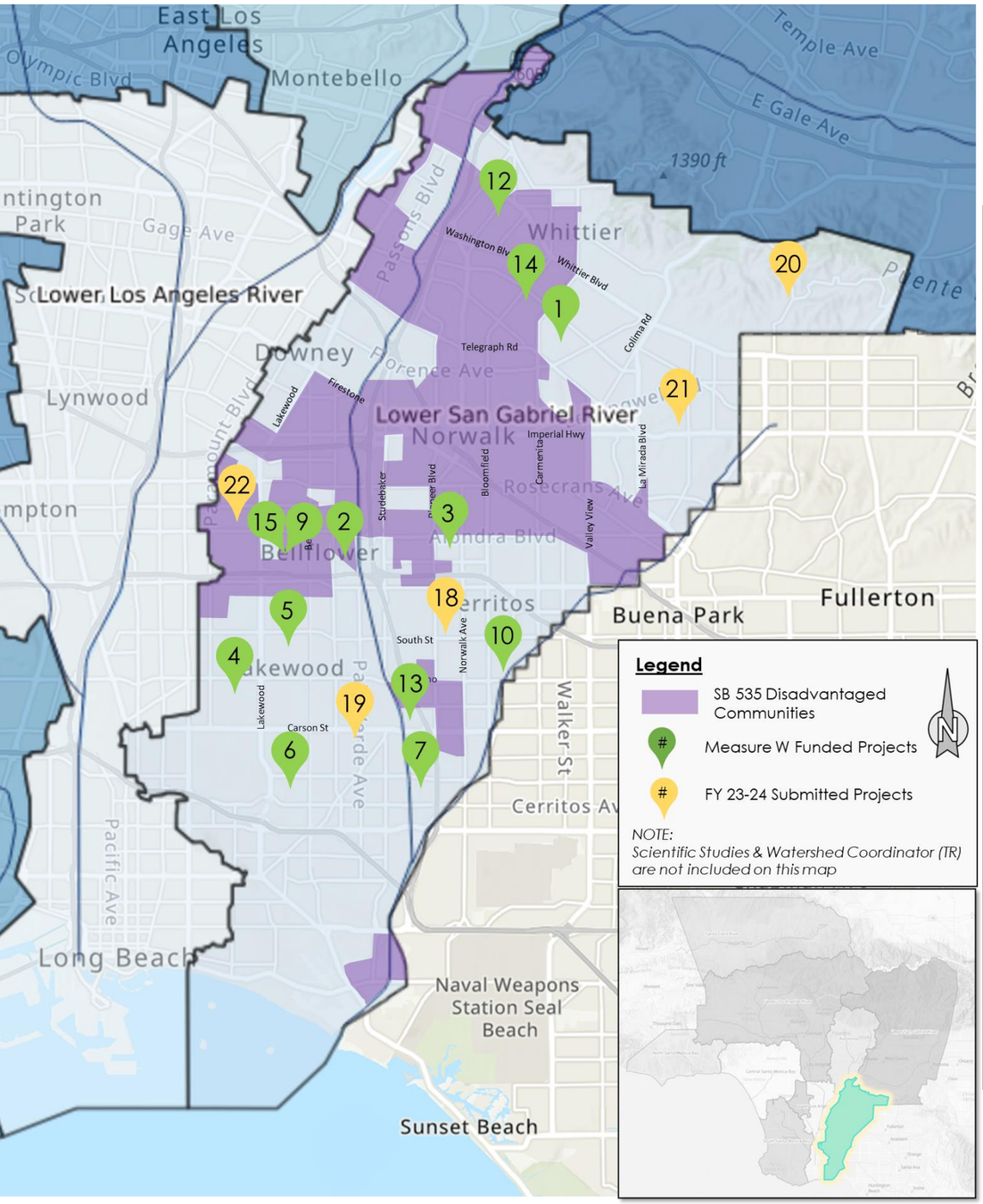
Lower San Gabriel WASC Prioritization Criteria Guidelines
Adopted: February 14, 2023

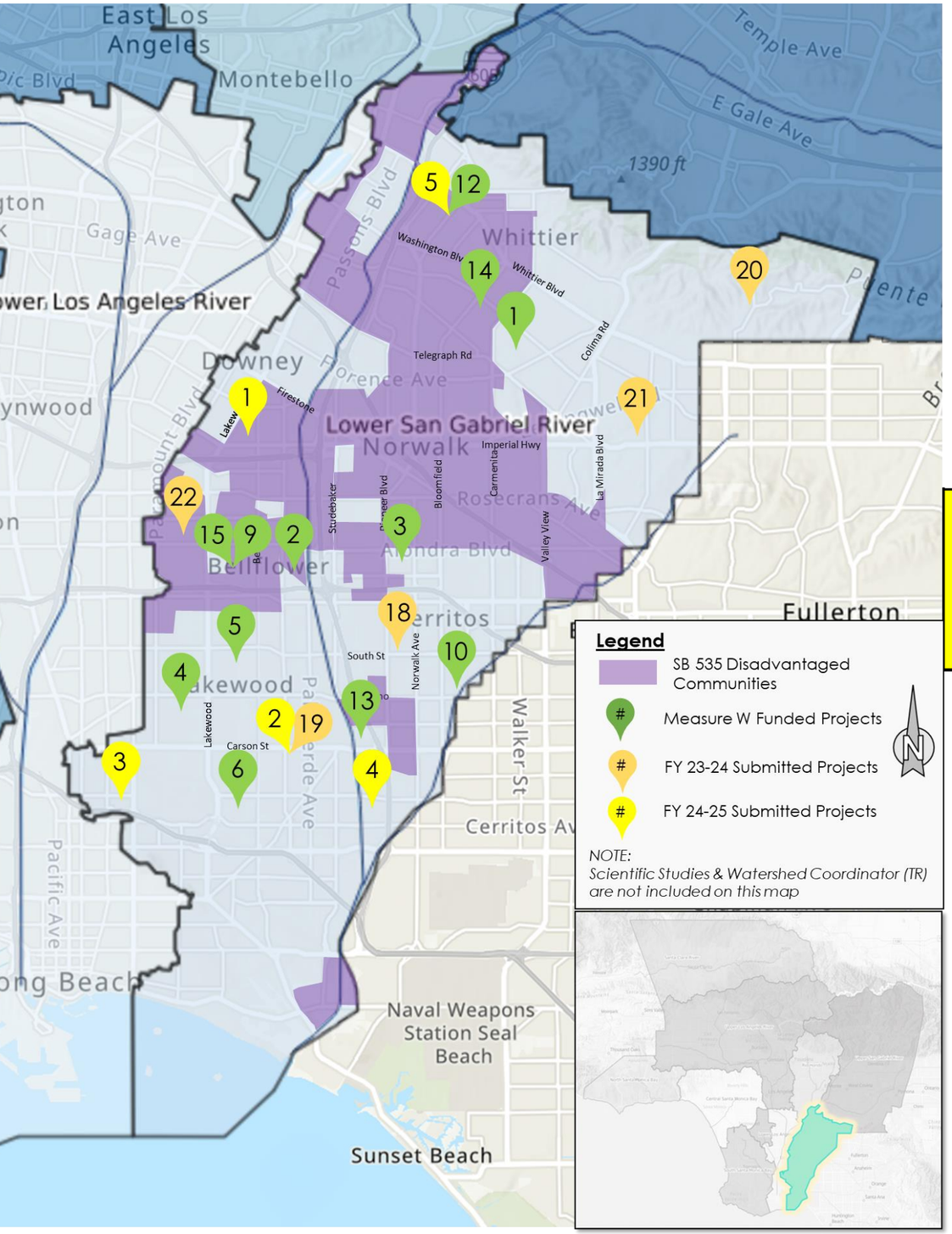
LSGR – SCWP PROJECTS FUNDED AND UNDER CONSIDERATION



		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
	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**	**$ 1.9**		**$ 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	GWMA
		Subtotal			**$ 5.3**	**$ 8.3**	**$ -**	**$ 1.5**		**$ 15.0**		
		Total			**$ 22.6**	**$ 59.3**	**$ 3.4**	**$ 5.2**		**$ 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

LSGR – FY 24-25 PROJECTS APPLICATIONS



		Project Name	DAC Benefit	BMP Type	Planning/Design	Construction	O&M	Technical Resource/ Scientific Study	Cost Share	Measure W Funding	Estimated Score	Project Developer
					$M	$M	$M	$M	$M	$M		
FY 24-25 Project Applications	1	Independence Park Runoff Capture Facility	Y	I	$ 1.6					**$ 1.6**	72	Downey
	2	Heartwell Park at Palo Verde Channel Stormwater Capture	N	i	$ 2.9					**$ 2.9**	66	Long Beach
	3	Reservoir Park Stormwater Capture Project	N	I	$ 1.0	$ 5.7				**$ 6.7**	69	Signal Hill
	4	El Dorado Park Regional Stormwater Capture Project	N	BF/D		$ 37.4				**$ 37.4**	64	Long Beach
	5	Sorensen Park Multi-Benefit Stormwater Capture Project	Y	I	$ 1.6					**$ 1.6**	67	LA County PW
		Total			**$ 7.1**	**$43.1**	**$ -**	**$ -**		**$ 50.2**		

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 FY24-25 PROJECT APPLICANT

INDEPENDENCE PARK RUNOFF CAPTURE FACILITY

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Regional stormwater capture facility at Independence Park.

PROJECT LEAD:	City of Downey
BMP TYPE:	Infiltration Facility
LOCATED IN DISADVANATED COMMUNITY(DAC)?	Yes
BENEFITS DAC?	Yes
PRELIMINARY SCORE:	72
TOTAL MEASURE W FUNDING REQUEST:	$1,310,458

FUNDING YEAR	*AMOUNT*
Year 1	$1,310,458 (Design)

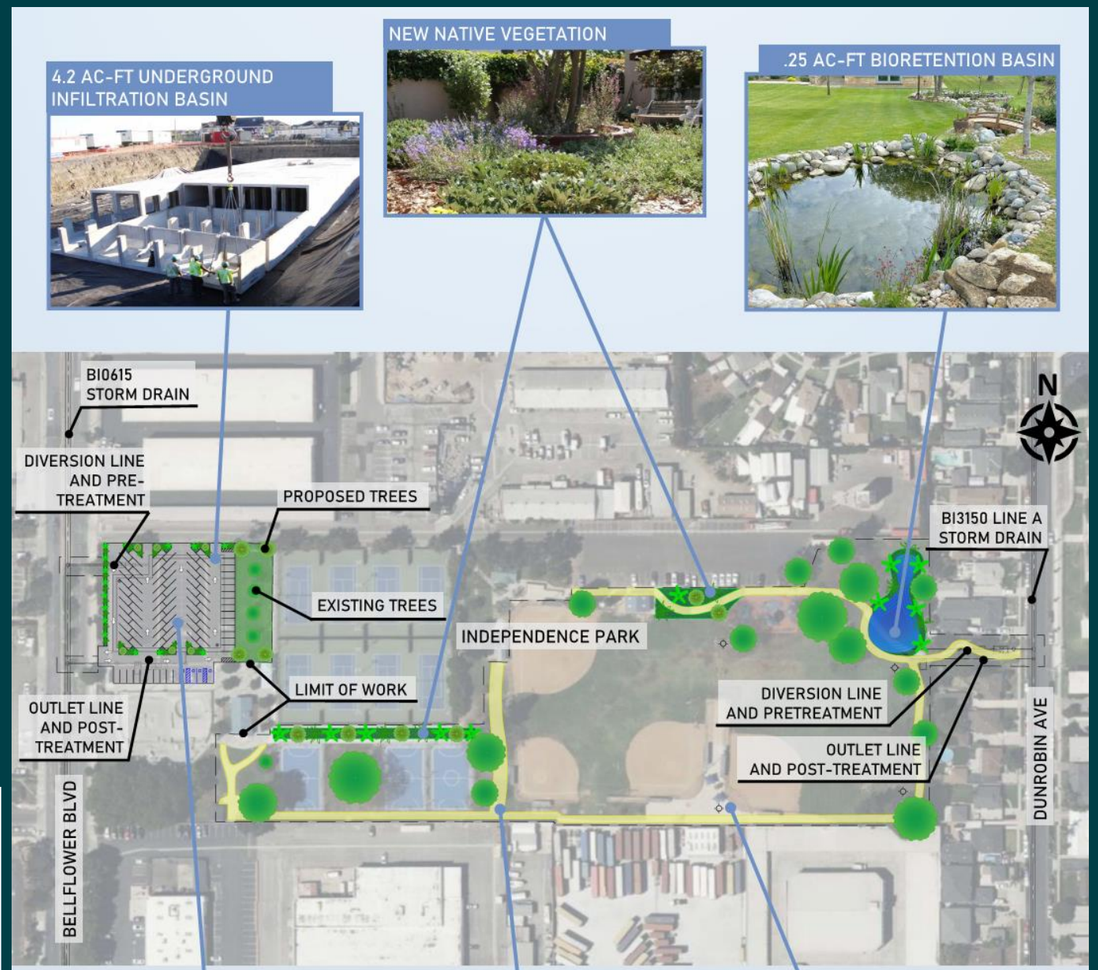
COST SHARE?	No
TOTAL CONSTRUCTION COST:	$11,937,061

PROJECT FEATURES:

- Captures water from 560 acres
- Bioswale and Permeable Pavement
- Reduce Heat Island Effect
- Improve Water Quality
- Improve Park Facility

DRAINAGE AREA CHARACTERISTICS	
REGIONAL WATER MANAGEMENT PLAN	Lower San Gabriel River Watershed
TOTAL DRAINAGE AREA	**560 AC** Downey (100%)
INFILTRATION RATE	0.5 in/hr
APPROX. DEPTH TO GROUNDWATER	52 ft BGS
MODELED AVERAGE ANNUAL RUNOFF VOLUME	223.7 acre-ft

WATER QUALITY IMPROVEMENT	
PRIMARY POLLUTANT (ZINC) POLLUTANT REDUCTION	144.218 lb/yr (90.47%)
SECONDARY POLLUTANT (COPPER) POLLUTANT REDUCTION	36.158 lb/yr (89.26%)
DESIGN DIVERSION RATE	28.34 CFS
STORAGE CAPACITY FOR SUBSURFACE STORAGE STRUCTRE	4.45 acre-ft (1.45 MG)
24-HOUR CAPACITY	8.57 acre-ft
CONSTRUCTION COST ESTIMATE	$10,670,055



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LSGR WATERSHED AREA FY24-25 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:	66
TOTAL MEASURE W FUNDING REQUEST:	$2,864,4725

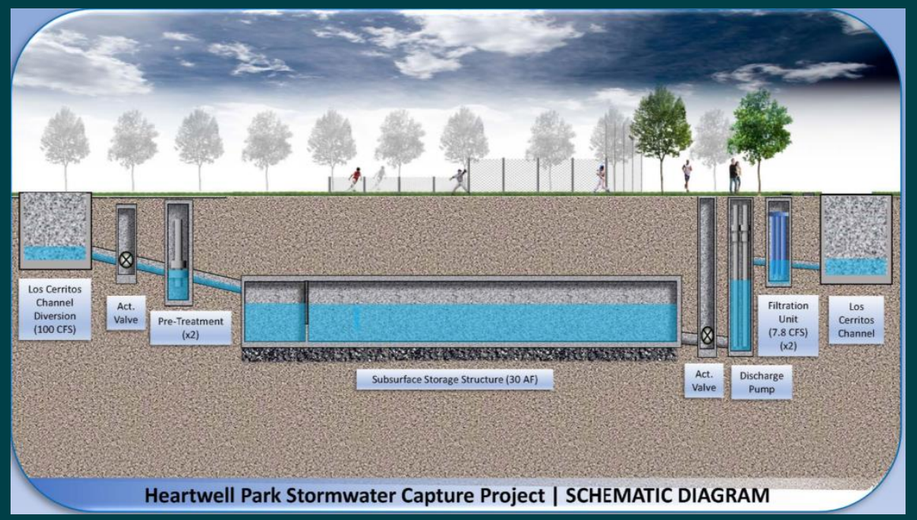
FUNDING YEAR	*AMOUNT*
Year 1	$2,864,472 (Design)

COST SHARE?	No
TOTAL CONSTRUCTION COST:	$11,956,920

PROJECT FEATURES:

- Captures water from 1,881 acres
- Enhance/Restore Park Space
- Improves Public Access to Waterways
- Enhance Recreational Opportunities
- Reduce Heat Local Island Effect
- Increase Tree Count

WATER QUALITY IMPROVEMENT	
Primary Pollutant Zinc Reduction Achieved (% Zn reduction)	111 lb/yr (92.5%)
Secondary Pollutant Copper Reduction Achieved (% Cu reduction)	26.6 lb/yr (90.5%)
Design Diversion Rate	100 CFS
Storage Capacity for Subsurface Storage Structure	30.0 ac-ft (9.78 MG)
24-Hour Capacity	61.10 ac-ft
Construction Cost Estimate	$42,833,433



Heartwell Park Stormwater Capture Project | SCHEMATIC DIAGRAM

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LSGR WATERSHED AREA FY24-25 PROJECT APPLICANT

RESERVOIR PARK STORMWATER CAPTURE FACILITY

SAFE CLEAN WATER PROGRAM

Regional stormwater capture, infiltration/filtration facility, and new park equipment/community garden at Reservoir Park.

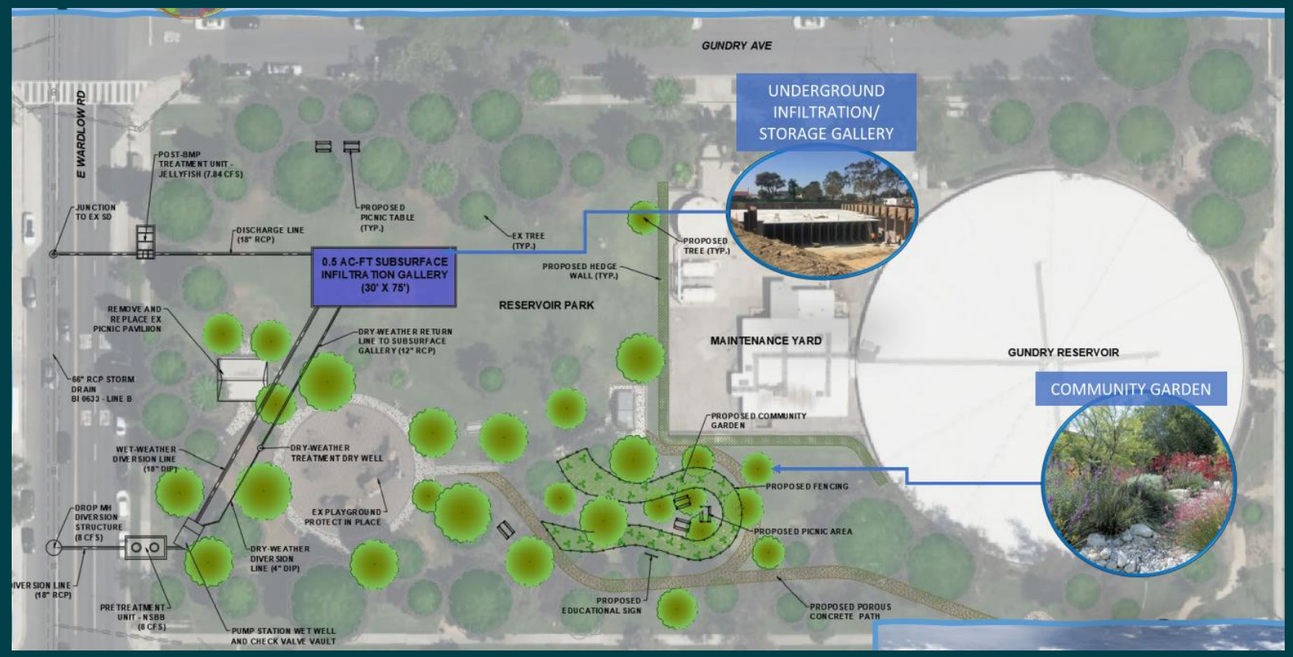
PROJECT LEAD:	City of Signal Hill
BMP TYPE:	Infiltration Facility
LOCATED IN DISADVANATED COMMUNITY(DAC)?	No
BENEFITS DAC?	No
PRELIMINARY SCORE:	69
TOTAL MEASURE W FUNDING REQUEST:	$6,676,878

FUNDING YEAR	*AMOUNT*
Year 1	$951,843 (Design)

COST SHARE?	No
TOTAL CONSTRUCTION COST:	$5,725,035

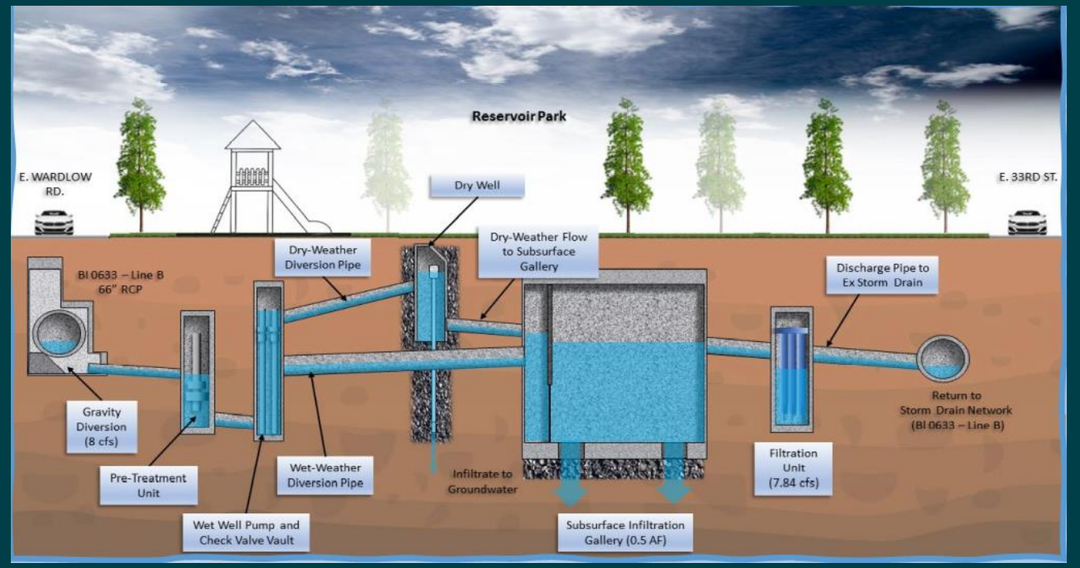
PROJECT FEATURES:

- Captures water from 184 acres
- Additional Shading
- Reduce Heat Island Effect
- Improve Water Quality
- Improve Park Facility



DRAINAGE AREA CHARACTERISTICS	
REGIONAL WATER MANAGEMENT PLAN	Los Cerritos Channel Watershed
TOTAL DRAINAGE AREA	**183.6 AC** Signal Hill (42.8%) Long Beach (57.2%)
INFILTRATION RATE	0.3 in/hr
GROUNDWATER BASIN BELOW SITE:	Central Basin
MODELED AVERAGE ANNUAL RUNOFF VOLUME	78.6 acre-ft

WATER QUALITY IMPROVEMENT	
PRIMARY POLLUTANT (ZINC) POLLUTANT REDUCTION	36.34 lb/yr (80.03%)
SECONDARY POLLUTANT (COPPER) POLLUTANT REDUCTION	9.29 lb/yr (81.21%)
DESIGN DIVERSION RATE	8 CFS
STORAGE CAPACITY FOR SUBSURFACE STORAGE STRUCTRE	0.5 acre-ft (0.16 MG)
24-HOUR CAPACITY	16.08 acre-ft
CONSTRUCTION COST ESTIMATE	$5,125,487



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LSGR WATERSHED AREA FY23-24 PROJECT APPLICANT

EL DORADO REGIONAL STORMWATER CAPTURE PROJECT

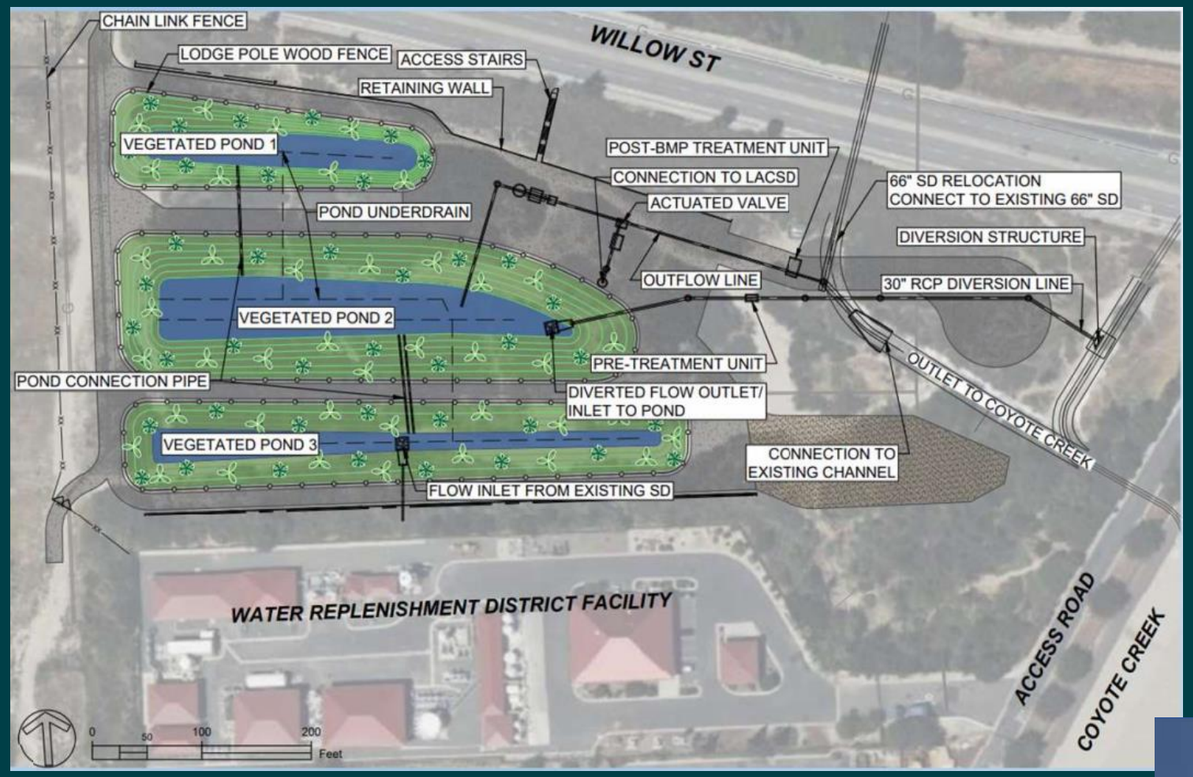
SAFE CLEAN WATER PROGRAM

Regional stormwater capture, surface ponds, diversion to sanitary sewer, and filtration facility at El Dorado Regional Park

PROJECT LEAD:	City of Long Beach
BMP TYPE:	Biofiltration, Diversion to Sanitary Sewer
LOCATED IN DISADVANATED COMMUNITY(DAC)?	No
BENEFITS DAC?	No
SCORING COMMITTTEES SCORE	64
TOTAL MEASURE W FUNDING REQUEST:	$37,386,870

FUNDING YEAR	*AMOUNT*
Year 1	$9,346,718 (Const)
Year 2	$9,346,718 (Const)
Year 3	$9,346,717 (Const)
Year 4	$9,346,717 (Const)

COST SHARE?	No
CONSTRUCTION COST:	$37,386,870



PROJECT FEATURES:

- Captures water from 2,874 acres
- Improves Water Quality
- Increases Shade and Trees
- Reduces Heat Island Effects
- Enhance Habitat Space

DRAINAGE AREA CHARACTERISTICS	
REGIONAL WATER MANAGEMENT PLAN	Lower San Gabriel River Watershed
TOTAL DRAINAGE AREA	**2874 AC** Long Beach: (15%) Artesia: (15%) Cerritos: (26%) Hawaiian Gardens: (16%) Lakewood: (23%) Norwalk: (5%)
APPROX. DEPTH TO GROUNDWATER	12 ft BGS
MODELED AVERAGE ANNUAL RUNOFF VOLUME	1211 acre-ft

WATER QUALITY IMPROVEMENT	
TRIBUTARY DRY WEATHER FLOWS CAPTURED (%)	100%
DRY WEATHER BMP TRIBUTARY SIZE	2,874 acres
DESIGN DIVERSION RATE	20 CFS
STORAGE CAPACITY FOR SURFACE STORAGE STRUCTRE	10.3 acre-ft (3.36 MG)
ESTIMATED AVERAGE DRY WEATHER FLOW RATE	0.04 cfs
CONSTRUCTION COST ESTIMATE	$37,386,870

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LSGR WATERSHED AREA FY24-25 PROJECT APPLICANT

SORENSEN PARK MULTI-BENEFIT STORMWATER CAPTURE PROJECT

SAFE CLEAN WATER PROGRAM

The project will involve construction of a stormwater storage and infiltration facility at Sorensen Park, in unincorporated South Whittier.

PROJECT LEAD:	**LA County PW**
BMP TYPE:	**Infiltration**
LOCATED IN DISADVANATED COMMUNITY(DAC)?	**Yes**
BENEFITS DAC?	**Yes**
SCORING COMMITTEE SCORE:	**67**
TOTAL MEASURE W FUNDING REQUEST:	**$1,616,592**

FUNDING YEAR	***AMOUNT***
Year 1	**$1,616,592 (Design)**

COST SHARE?	**No**
TOTAL CONSTRUCTION COST:	**$32,231,833**

PROJECT FEATURES:

- **Captures water from 617 acres**
- **Increase Water Supply**
- **Improves Stormwater Quality**
- **Enhances Habitat or Park Space**
- **Increases Shade and Trees**
- **Reduces Heat Island Effects**

Potential BMPs

- Infiltration Gallery
- Bioretention
- Biofiltration
- Bioswales
- Drywells
- Permeable Pavement

Proposed Feasibility Study

- Geotechnical Investigation
- Contamination Assessment
- Preliminary Design Plans
- Hydrology Analysis
- Identify suitable BMPs

Public Works LOS ANGELES COUNTY

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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

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THE END

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