

# Safe, Clean Water Program

Fiscal Year 2022-2023

## Stormwater Investment Plan



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### Stormwater Investment Plan South Santa Monica Bay Watershed Area

The Stormwater Investment Plan (SIP) is an annual five (5) year plan developed by each Watershed Area Steering Committee (WASC) that recommends funding allocations for Projects and Programs in the Regional Program’s Infrastructure Program, Technical Resources Program, and Scientific Studies Program.

The purpose of the SIP is to capture recommended programming for the upcoming fiscal year as well as anticipated recommendations for the next four subsequent years.

The following sections include details regarding the recommended SIP:

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#### Attachments:

- Attachment A – Final Recommended SIP
- Attachment B – Summary to Date

Please review the recommended SIP and select one of the following:

	Regional Oversight Committee (ROC) concurs with the recommended SIP as-is
	Refer to ROC meeting minutes for comments

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## 1 Summary of Stormwater Investment Plan Recommendations

The South Santa Monica Bay Watershed Area receives approximately \$17.7M in annual Regional Program funds.

For Fiscal Year 2022-2023 (FY22-23), 7 Infrastructure Program Project, 2 Technical Resources Program, and 4 Scientific Studies Program applications were submitted for consideration. After careful review and consideration, the WASC voted to include 4 Infrastructure Program Projects, 2 Technical Resource Program Concepts, 1 Scientific Study, and 1 Watershed Coordinator into the recommended SIP.

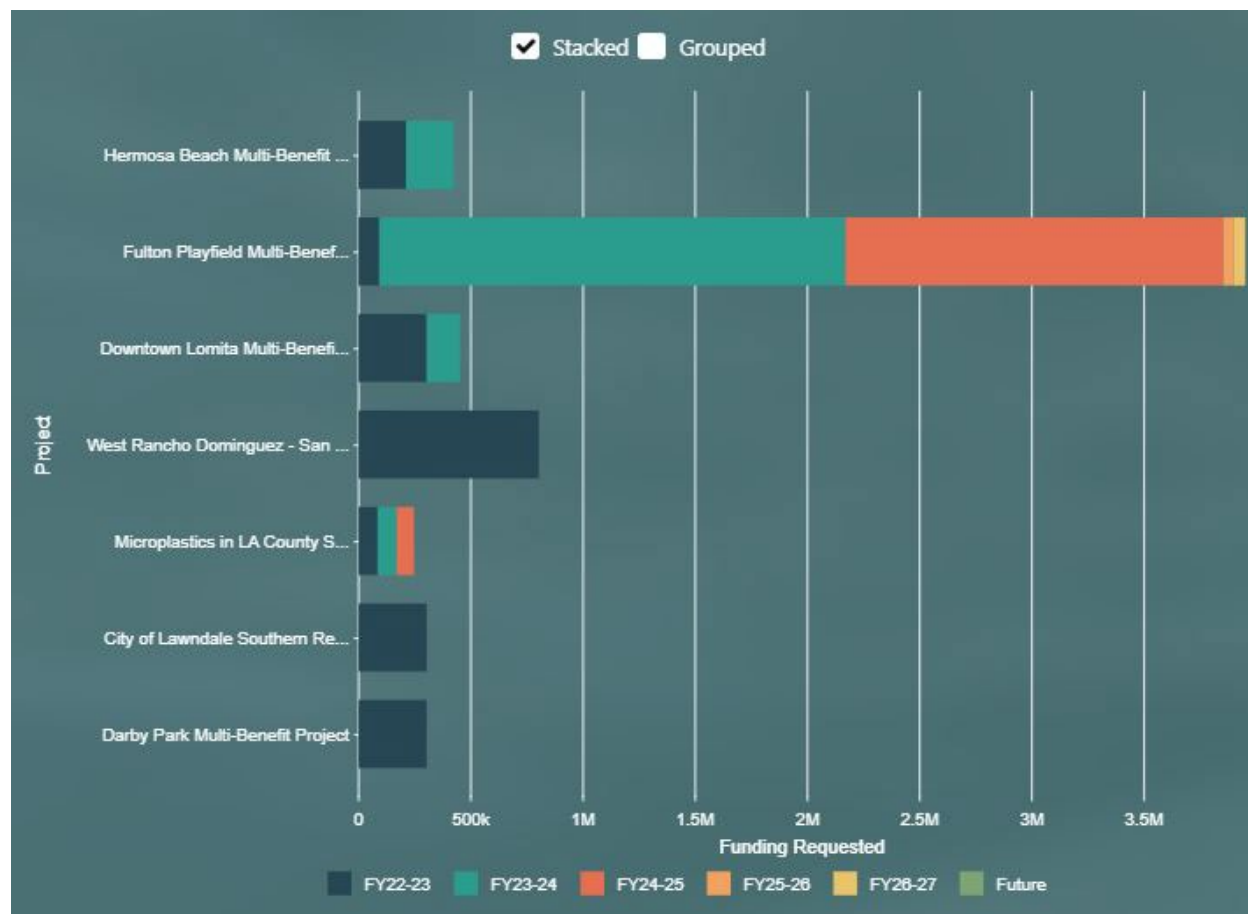
Below is a summary of the total funding allocated per year in the recommended SIP, including both new projects and continuing projects. The table also includes a column of the anticipated annual operations, maintenance, and monitoring costs for the new and continuing projects.

	Budget		Projections					TOTAL	Annual O&M
	FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	Future Funding			
A. Anticipated Annual Regional Program Funds Collected	\$17.7M	\$17.7M	\$17.7M	\$17.7M	\$17.7M		\$88.3M		
B. Anticipated Annual Regional Program Funds Available (A+D)	\$18M	\$18.3M	\$25.3M	\$31.6M	\$41.9M				
C. Total Recommendation in Current SIP	\$2.1M	\$2.5M	\$1.8M	\$50.5k	\$46.5k	\$346k	\$6.5M	\$232k	
Total Allocated in Previous SIP(s)	\$15.3M	\$8.1M	\$9.6M	\$7.3M	\$200k	\$0	\$40.6M	\$1.2M	
D. Remaining Balance/Rollover Funds (B-C)	\$374k	\$661k	\$7.7M	\$14M	\$24.2M	\$41.7M		Total: \$1.4M	
E. Percent Allocated (C/B)	96%	58%	45%	23%	1%		53%		

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Refer to Attachment A or the SIP tool (<https://portal.safecleanwaterla.org/sip-tool/>) for the Final Recommended SIP with additional project details.

## 2 Summary of Meetings and Process

The WASC met eight times between August 2021 and May 2022. Refer to the [WASC Webpage \(https://safecleanwaterla.org/south-santa-monica-bay-watershed-area/\)](https://safecleanwaterla.org/south-santa-monica-bay-watershed-area/) for the current list of WASC members, meeting dates, and meeting materials.

### 2.1 Call for Projects

The Call for Projects for FY22-23 funding ended on July 31, 2021. After a check for completeness by District staff, the WASC received an overview of project submittals. The WASC discussed the Projects, acknowledged the need for an accelerated timeline, and voted to send all Infrastructure Projects to be scored by the Scoring Committee.

### 2.2 Scoring

The Scoring Committee evaluated each Infrastructure Program (IP) project submittal and provided an official score based on the scoring criteria defined in the [Feasibility Study Guidelines](#). Since all Regional

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Program Projects must meet the Threshold Score of 60 points or more to be eligible for consideration in the Infrastructure Program, only those qualifying projects were returned to the WASC for further evaluation. The following two projects (1) Los Angeles Harbor College Central and West Campus Underground Infiltration and Biofiltration and (2) Wilmington-Anaheim Green Infrastructure Corridor did not meet the Threshold Score. Refer to the [FY 22-23 Scoring Rubric](#).

### 2.3 Presentations

At the monthly virtual WASC meetings, all Regional Program applicants that submitted complete proposals presented their projects, concepts, or scientific studies. Each presenter was allotted approximately 10 minutes to describe their project and 10 minutes for questions and answers; additional time was accommodated when necessary. The committee members discussed each application at the conclusion of each presentation.

As appropriate, the WASC also received updates from Project Developers on Projects, Concepts, and Studies, that were previously approved in the Year 1 and Year 2 SIPs. Those developers executed Transfer Agreements or Addendums, received funds, initiated the approved activities, and began the formal reporting process.

#### Preliminary Ranking Worksheet

The WASC discussed each eligible project, project concept, and scientific study as a group. The applications were ranked by each committee member and the totals were aggregated as follows:

Program	Project Name	Total*	Program Place	Overall Place
IP	Downtown Lomita Multi-Benefit Stormwater Project	146	1	1
IP	Fulton Playfield Multi-Benefit Infiltration Project	125	2	2
IP	Hermosa Beach Multi-Benefit Parking Lot Greening Project (Lot D)	115	3	3
IP	West Rancho Dominguez San Pedro Street Green Improvement	112	4	4
IP	Machado Lake Ecosystem Rehabilitation (MLER) Operations and Maintenance	60	5	8
SS	Microplastics in LA County Stormwater	61	1	7
SS	Rebuilding Soils for Effective Nature-Based Solutions	33	2	9
SS	Community Gardens Stormwater Capture Investigation	23	3	10
SS	Regenerate LA: Nature-Based Solutions for Community Parks	15	4	11

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TRP	Darby Park Multi-Benefit Project	85	1	5
TRP	City of Lawndale Southern Revitalization Project	76	2	6

\* NOTE: These values are NOT project scores but rather a weighted representation of the committee’s preliminary rankings to help prioritize funding considerations and discussion.

### 2.4 SIP Development

The WASC is aware of the District’s in-progress Metrics and Monitoring Study that is intended to help inform future SIP development through the support of both early/coordinated planning as well as more meaningful tracking/monitoring of projects and benefits. These results, along with other efforts and regional plans related to identifying needs, priorities, and lessons learned, will continue to be grafted into the Regional Program process as able. In meantime, the WASC reviewed and utilized all available information and guidance materials, including but not limited to, the items listed below. Refer to the [Project Portal \(https://portal.safecleanwaterla.org/scw-reporting/map\)](https://portal.safecleanwaterla.org/scw-reporting/map) and the WASC webpage for details.

- Project Applications, Factsheets, and Presentations
- Safe Clean Water Spatial Data Library
- SIP Programming Tool
- Preliminary Rankings
- Anticipated future construction costs for projects
- Program Guidance
  - Programing of Nature-Based Solutions
  - Implementing Disadvantaged Community Policies in the Regional Program
  - Partial Funding Guidelines

The WASC discussed all available information and received public comments before voting to approve Projects, Project concepts, and scientific studies, and associated annual funding allocations, into the recommended FY 22-23 SIP.

### 2.5 Summary of Public Comment

Public comments are detailed in the WASC meeting minutes, which are posted on the [WASC Webpage \(https://safecleanwaterla.org/south-santa-monica-bay-watershed-area/\)](https://safecleanwaterla.org/south-santa-monica-bay-watershed-area/).

Strong public support was expressed for the Machado Lake Ecosystem Rehabilitation Operation and Maintenance Project. However, the WASC raised concerns over the large budget requested to fund this operations and maintenance project, which would potentially limit the development of new projects due to the lack of available funds. The applicant was asked if they were willing to receive less funding than requested, as described in the SCW Partial Funding Guidelines, but they did not consider this option.

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Consequently, a motion to include the project in the FY22-23 Recommended SIP was not approved by the WASC.

### 3 Infrastructure Program

#### 3.1 Submitted and Recommended Projects

All projects were evaluated as described above in Section 2 Summary of Meetings. Below is a list of all Projects submitted to the FY 22-23 Infrastructure Program for this Watershed Area. Projects shown in white have been included in the recommended SIP.

Project Name	Project Applicant	SIP Programming Status	Phase(s)	Total Funding FY22-27
<b>Hermosa Beach Multi-Benefit Parking Lot Greening Project (Lot D)</b>	<b>Hermosa beach</b>	Included in SIP	Construction	\$423,950.00
<b>Fulton Playfield Multi-Benefit Infiltration Project</b>	<b>City of Redondo Beach</b>	Included in SIP	Planning, Design, Construction, O&M	\$4,292,138.00
<b>Downtown Lomita Multi-Benefit Stormwater Project</b>	<b>City of Lomita</b>	Included in SIP	Design	\$449,300.00
<b>West Rancho Dominguez San Pedro Street Green Improvement</b>	<b>Los Angeles County Public Works</b>	Included in SIP	Design	\$800,000.00
<b>Machado Lake Ecosystem Rehabilitation (MLER) Operations and Maintenance</b>	<b>City of Los Angeles, LA Sanitation and Environment</b>	Not Included	O&M	
<b>Los Angeles Harbor College Central and West Campus Underground Infiltration and Biofiltration Project</b>	<b>Los Angeles Community College District &amp; Building LACCD</b>	Withdrawn	Planning, Design, Construction, O&M	
<b>Wilmington-Anaheim Green Infrastructure Corridor Project</b>	<b>City of Los Angeles, Bureau of Sanitation and Environment</b>	Withdrawn	Construction	

Refer to Attachment A or the SIP tool (<https://portal.safecleanwaterla.org/sip-tool/>) for the Final Recommended SIP with additional project details.

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Note, Projects requesting Design funds only are expected to request Construction funds in subsequent years. In addition, all Projects included in the recommended SIP are expected to request additional funding for operations, maintenance, and monitoring for a minimum useful life of 30 years.

### 3.2 Discussion of Criteria

Per LACFCD Code Ch18.07.B.2, the SIPs shall be developed by the WASC in accordance with the criteria described below.

#### 3.2.1 Regional Program Allocations

*Compliant with LACFCD Code Ch18.07.B.2.a*

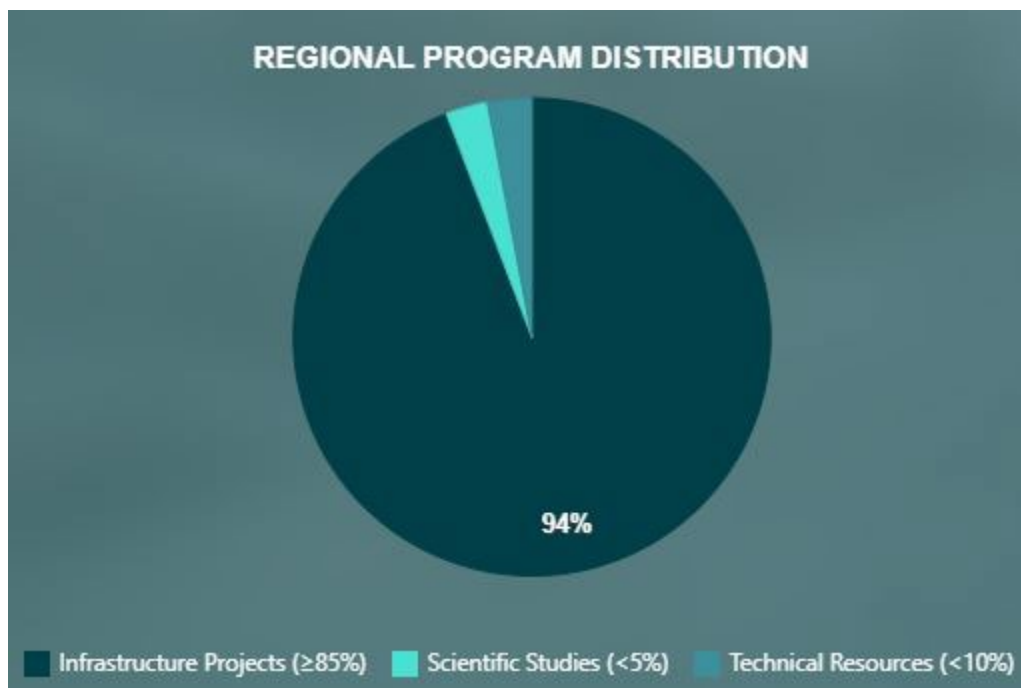
Below is a summary of the Regional Program allocations over the 5-year SIP, which includes both new and continuing projects.

<b>Funding Program</b>	<b>Total SCW Funding Allocated FY 22-27</b>	<b>Funding Distribution for Subprograms FY 22-27</b>
<b>Infrastructure Program (≥85%)</b>	\$44,092,453	93.8%
<b>Scientific Studies (&lt;5%)</b>	\$1,330,419	2.8%
<b>Technical Resources Program (&lt;10%)</b>	\$1,600,000	3.4%
<b>Grand Total</b>	<b>\$47,022,872</b>	<b>100%</b>

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### 3.2.2 Project Benefits

*Compliant with LACFCD Code Ch18.04.E*

The Scoring Committee confirmed the scores provided by each project including Water Quality, Water Supply, Community Investment, Nature-Based Solutions, and Leveraging Funds and Community Support as defined in the Feasibility Study Guidelines.

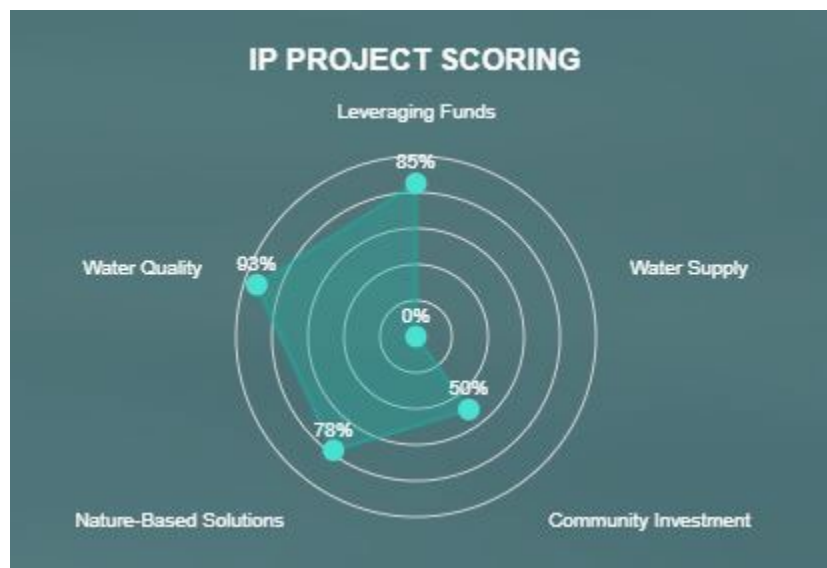
Below are the overall preliminary scoring category distributions for the new Infrastructure Program Projects included in the recommended SIP.



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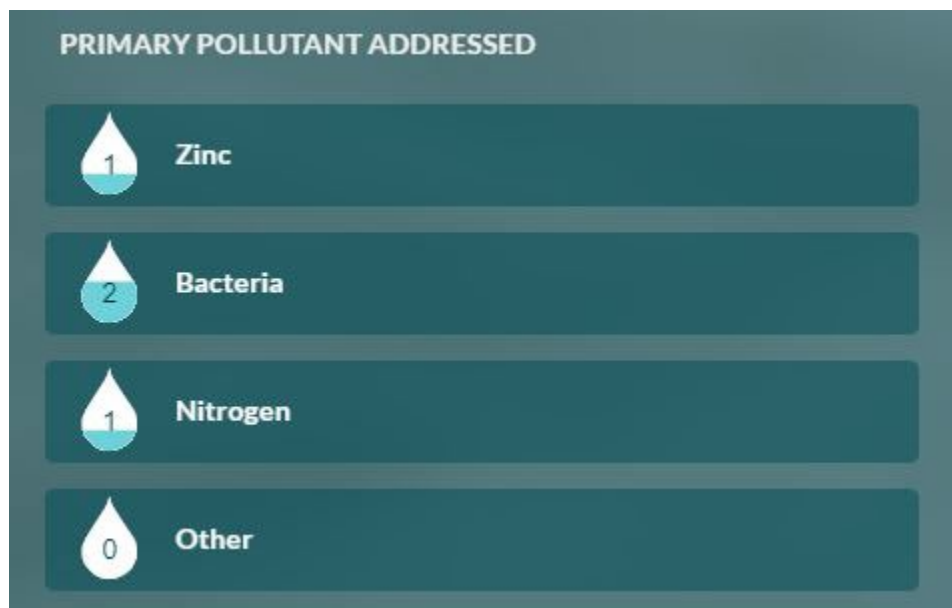
### 3.2.3 MS4 Compliance

*Compliant with LACFCD Code Ch18.07.B.2.b.*

Below is an overview of the applicant-entered water quality data for the new FY22-23 Infrastructure Program Projects included in the recommended SIP.

Project Name	Project Type	Capture Area (acres)	24-hr Capacity (acre-feet)	Annual Average Capture (acre-feet)
<b>Hermosa Beach Multi-Benefit Parking Lot Greening Project (Lot D)</b>	Wet	0.21	10.72	0.069
<b>Fulton Playfield Multi-Benefit Infiltration Project</b>	Wet	464.5	13.11	0*
<b>Downtown Lomita Multi-Benefit Stormwater Project</b>	Wet	110.5	5.65	0*
<b>West Rancho Dominguez San Pedro Street Green Improvement</b>	Wet	278.4	12.84	0*
<b>Grand Total</b>		<b>853.61</b>	<b>42.23</b>	<b>0.069</b>

\* Note: Value is specified by the applicant, which differs from the automatically generated value in the application module.



3.2.4 Disadvantaged Communities (DAC) Benefits  
 Compliant with LACFCD Code Ch18.07.B.2.c.

Based on the total Infrastructure Program funding allocations for the SIP and the ratio of the DAC population to the total population in each Watershed Area, funding for Projects that provide DAC benefits over the 5-year SIP shall not be less than the value shown below. Below is an overview of Funding Allocated for DACs from FY22-27.

DISADVANTAGED COMMUNITY (DAC) ALLOCATION	
Required DAC Ratio	34%
Required Funding for DACs FY22-27 (110%)	\$ 16,490,577
Funding Allocated for DACs FY22-27	\$ 23,599,573

\* These figures are based on the 2016 US Census and will be updated periodically.

As shown, the total Safe, Clean Water Funds benefiting DAC over a rolling 5-year period for the recommended SIP is greater than the required funding for DACs for this Watershed Area.

Below is an overview of the WASC-confirmed DAC Benefit for the new FY22-23 Infrastructure Program Projects included in the recommended SIP. To better assist with and standardize

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this determination in the future, the District developed interim guidance for implementing Disadvantage Community Policies in the Regional Program. Interim guidance is available on our website (<https://safecleanwaterla.org/regional-program-2/>).

Project Name	Provides Benefit to a DAC	Total Funding Allocated
<b>Hermosa Beach Multi-Benefit Parking Lot Greening Project (Lot D)</b>	No	\$423,950
<b>Fulton Playfield Multi-Benefit Infiltration Project</b>	No	\$4,292,138
<b>Downtown Lomita Multi-Benefit Stormwater Project</b>	Yes	\$449,300
<b>West Rancho Dominguez San Pedro Street Green Improvement</b>	Yes	\$800,000

### 3.2.5 Municipality Benefits

*Compliant with LACFCD Code Ch18.07.B.2.d.*

The ordinance language calls for a distribution of benefits, not necessarily just dollars invested. The currently recommended Projects are distributed throughout the Watershed Area to help comply with this rolling 5-year criterion in future years. The District intends to develop guidance for evaluating and tracking municipality benefits in future years.

Below is a summary of the Municipality in which each new FY22-23 Infrastructure Program Project included in the SIP is located and the Municipalities within the Project's capture area.

Project Name	Municipalities within Project Capture Area
<b>Downtown Lomita Multi-Benefit Stormwater Project (Lomita)</b>	Lomita
<b>Fulton Playfield Multi-Benefit Infiltration Project (Redondo Beach)</b>	Manhattan Beach, Redondo Beach
<b>Hermosa Beach Multi-Benefit Parking Lot Greening Project (Lot D) (Hermosa Beach)</b>	Hermosa Beach
<b>West Rancho Dominguez - San Pedro Street Green Improvement (Unincorporated LA County)</b>	Unincorporated (Los Angeles County)

### 3.2.6 Project Types and Sizes

*Compliant with LACFCD Code Ch18.07.B.2.e.*

Recommendations include a variety of projects in order to ensure compliance with this rolling 5-year criterion in future years.

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Below is a summary of project types and the total capture area in acres for the new FY22-23 Infrastructure Program Projects included in the recommended SIP.

Project Name	Project Type	BMP Type	Capture Area (acres)
<b>Downtown Lomita Multi-Benefit Stormwater Project</b>	Wet	Infiltration Well	110.5
<b>Fulton Playfield Multi-Benefit Infiltration Project</b>	Wet	Infiltration Facility	464.5
<b>Hermosa Beach Multi-Benefit Parking Lot Greening Project (Lot D)</b>	Wet	Infiltration Facility	0.2
<b>West Rancho Dominguez - San Pedro Street Green Improvement</b>	Wet	Infiltration Well	278.4
<b>Grand Total</b>			<b>853.6</b>

### 3.2.7 Nature-Based Solutions

*Compliant with LACFCD Code Ch18.07.B.2.f.*

Below is a summary of the new FY22-23 Infrastructure Program Projects included in the recommended SIP that implement Nature-Based Solutions (NBS).



Project Name	Mimics Natural Processes	Uses Natural Materials
<b>Downtown Lomita Multi-Benefit Stormwater Project</b>	Yes	Yes
<b>Fulton Playfield Multi-Benefit Infiltration Project</b>	Yes	Yes
<b>Hermosa Beach Multi-Benefit Parking Lot Greening Project (Lot D)</b>	Yes	Yes

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Project Name	Mimics Natural Processes	Uses Natural Materials
West Rancho Dominguez - San Pedro Street Green Improvement	Yes	Yes

Mimics Natural Process: Implements natural processes or mimics natural processes to slow, detain, capture, and absorb/infiltrate water in a manner that protects, enhances and/or restores habitat, green space and/or usable open space.

Uses Natural Materials: Utilizes natural materials such as soils and vegetation with a preference for native vegetation.

For reference, the District developed interim guidance related to developing and programming Nature-Based Solutions in the future. Interim guidance is available on our website (<https://safecleanwaterla.org/regional-program-2/>).

### 3.2.8 Leveraged Funds and Community Support

Below is a summary of leveraged funds, SCW funding allocations, and community support for the FY22-23 Infrastructure Program Projects included in the recommended SIP.

Project Name	Status of Leveraged Funds	Sum of Leveraged Funding	Community Support Score (max 4 points)
Downtown Lomita Multi-Benefit Stormwater Project	In Progress	\$449,500	2
Fulton Playfield Multi-Benefit Infiltration Project	Commitment Received	\$436,000	3
Hermosa Beach Multi-Benefit Parking Lot Greening Project (Lot D)	Money Received/ In Progress	\$616,650	4
West Rancho Dominguez - San Pedro Street Green Improvement	Commitment Received	\$800,000	2
<b>Grand Total</b>		<b>\$2,302,150</b>	<b>11</b>

\*Note: Community Support Points are awarded when the Project demonstrates strong local, community-based support and/or has been developed as part of a partnership with local NGOs/CBOs

### 3.2.9 Long Term Planning Considerations

The WASC incorporated long term planning by considering the future construction costs of projects approved in a previous SIP and new projects that are recommended for inclusion in the current SIP. Two newly recommended projects, Downtown Lomita Multi-Benefit Stormwater and West Rancho Dominguez

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– San Pedro Street Green Improvement, requested funding for design only for the current SIP year to provide a more refined construction schedule and cost estimate once design is completed. It is anticipated that the project proponents will apply for SCW Regional Program funds for construction once design is completed. The recommended SIP allows enough future budget to accommodate these projects’ anticipated construction costs. The future anticipated construction costs were estimated and confirmed by the project applicants, however, actual future SCW funding requests for construction may differ due to updated project estimates, securing of leveraged funding and awarded grants, or local municipality contribution.

The WASC will discuss selection criteria for future projects requesting SCW funds for construction at a future WASC meeting. In addition, the annual Operations and Maintenance (O&M) projections provided in the Project applications for the new and continuing selected projects were included in the SIP tool and shown below. The recommended SIP anticipates a total annual O & M cost of \$1.4M of the anticipated \$17.7M annual regional program funds collected and will be accounted for in future SIPs.

Below is a summary of the total funding allocated per year in the recommended SIP, including estimated construction costs for both new projects and continuing projects. This represents the theoretical SIP projections based on currently anticipated additional funding requests to cover subsequent phases.

	Budget		Projections					TOTAL	Annual O&M
	FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	Future Funding			
A. Anticipated Annual Regional Program Funds Collected	\$17.7M	\$17.7M	\$17.7M	\$17.7M	\$17.7M		\$88.3M		
B. Anticipated Annual Regional Program Funds Available (A+D)	\$18M	\$18.3M	\$21.1M	\$20.5M	\$28.1M				
C. Total Recommendation in Current SIP	\$2.1M	\$6.7M	\$8.7M	\$2.7M	\$46.5k	\$346k	\$20.3M	\$232k	
Total Allocated in Previous SIP(s)	\$15.3M	\$8.1M	\$9.6M	\$7.3M	\$200k	\$0	\$40.6M	\$1.2M	
D. Remaining Balance/Rollover Funds (B-C)	\$374k	\$561k	\$3.5M	\$2.9M	\$10.4M	\$27.9M		Total: \$1.4M	
E. Percent Allocated (C/B)	96%	81%	86%	49%	1%		69%		

Refer to the SIP tool (<https://portal.safecleanwaterla.org/sip-tool/>) for the “Final Recommended SIP with anticipated construction costs”. As shown, other funding sources will be required to bring all projected project to completion, and the majority of the members win the WASC were confident in the Watershed Areas ability to do so. If not, the WASC understands they will need to defer certain projects to occur in later years.

### 3.3 Continuing Projects

All projects were evaluated as described above in Section 2 Summary of Meetings and Process. Below is a list of continuing Infrastructure Projects included in the SIP for this Watershed Area.

Project Name	Project Applicant	SIP Year	SIP Funding Status	Phase(s)	Remaining Funding Request
Alondra Park Multi Benefit Stormwater Capture Project	Los Angeles County Public Works	FY 20-21	Continuing	Construction	\$10,000,000

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Project Name	Project Applicant	SIP Year	SIP Funding Status	Phase(s)	Remaining Funding Request
<b>Carson Stormwater and Runoff Capture Project at Carriage Crest Park</b>	<b>City of Carson</b>	FY 21-22	Continuing	Operations & Maintenance	\$830,000
<b>South Santa Monica Bay Water Quality Enhancement: 28th Street Storm Drain Infiltration Project</b>	<b>City of Manhattan Beach</b>	FY 21-22	Continuing	Design, Construction, Operations & Maintenance	\$16,122,930
<b>Stormwater Basin Expansion Project</b>	<b>City of Torrance</b>	FY 21-22	Funded	Construction	\$0
<b>Torrance Airport Storm Water Basin Project, Phase 2</b>	<b>City of Torrance</b>	FY 20-21	Funded	Design	\$0
<b>Wilmington Neighborhood Greening Project</b>	<b>City of Los Angeles, Bureau of Sanitation and Environment</b>	FY 21-22	Continuing	Planning, Design, Construction, Operations & Maintenance	\$11,520,273
<b>Wilmington Q Street Local Urban Area Flow Management Project</b>	<b>City of Los Angeles, Bureau of Sanitation and Environment</b>	FY 20-21	Funded	Construction	\$0

Refer to Attachment A or the SIP tool (<https://portal.safecleanwaterla.org/sip-tool/>) for the Final Recommended SIP with additional project details and refer to Attachment B for a Summary to Date.

Project Developers for continuing and completed Projects are required to submit quarterly progress and expenditure reports which are publicly available on the SCW Portal (<https://portal.safecleanwaterla.org/scw-reporting/map>) by selecting the Project of interest.

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### 3.4 Projected Watershed Area Benefits To-Date

Below is a summary of the estimated aggregate benefits for Infrastructure Program Projects included in the approved FY 20-21 SIP, FY 21-22 SIP, and recommended FY 22-23 SIP.

<b>Area Managed by Projects (acres)</b>	10,397
<b>Project Storage Capacity (acre-feet)</b>	135
<b>Annual Average Stormwater Capture (acre-feet)</b>	1,811
<b>Dry Weather Inflow to Projects (cubic feet per sec)</b>	2



## 4 Technical Resources Program

Per LACFCD Code Ch18.07.D, the purpose of the Technical Resources Program (TRP) is to provide Technical Assistance Teams to assist with the development of Feasibility Studies and to provide Watershed Coordinators.

### 4.1 Submitted and Recommended Project Concepts

Two Project concepts, listed below, were submitted to the FY 22-23 Technical Resources Program for this Watershed Area for consideration of funding, and they are both included in the recommended FY 22-23 SIP. Additionally, funding for one Watershed Coordinator for up to \$200,000 for FY 22-23 is included in the recommended SIP and placeholders for the same annual amount is included for future years.

Project Name	Project Applicant	SIP Programming Status	Total Funding Allocated
<b>City of Lawndale Southern Revitalization Project</b>	<b>City of Lawndale</b>	Included in SIP	\$300,000
<b>Darby Park Multi-Benefit Project</b>	<b>City of Inglewood</b>	Included in SIP	\$300,000



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Refer to Attachment A or the SIP tool (<https://portal.safecleanwaterla.org/sip-tool/>) for the Final Recommended SIP with additional project details.

### 4.2 Continuing Project Concepts

Below is a list of all the ongoing TRP Project concepts that were approved in previous fiscal year's SIPs. The FY 20-21 TRPs Feasibility Studies are considerably developed and have expended more than half of their original budgets. The Prioritization of Parkway BMPs for Dominguez Channel / Harbor Toxics TMDL project team held their first project meeting in April 2022 and the consultant assigned to develop the Palos Verdes Peninsula Multi-Benefit Flow Diversion TRP is currently redrafting their scope of work and cost estimate.

Project Name	Project Applicant	Call for Projects Year	SIP Funding Status	Remaining Funding Request
Eastview Park	City of Rancho Palos Verdes	FY20-21	Continuing	\$105,792
Harbor City Park Multi-Benefit Stormwater Capture Project	Los Angeles County	FY20-21	Continuing	\$98,421
Palos Verdes Peninsula Multi-Benefit Flow Diversion Project	City of Rolling Hills Estates	FY21-22	Continuing	\$300,000
Prioritization of Parkway BMPs for Dominguez Channel/ Harbors Toxics TMDL	City of Torrance	FY21-22	Continuing	\$300,000

### 4.3 Discussion

The WASC received presentations by the project applicants for the City of Lawndale Southern Revitalization Project and Darby Park Multi-Benefit Project at the October 20<sup>th</sup>, 2021 WASC Meeting. A WASC member commented that the Darby Park applicant should utilize infiltration data from an existing geotechnical investigation to supplement the Feasibility Study instead of using funds to conduct a similar geotechnical investigation. A WASC member commented that the Southern Revitalization Project could possibly have negative impacts to the nearby residents during construction and that those impacts should be mentioned in the Feasibility Study. The WASC decided to fund both of the submitted TRP Project concepts based on the results from the Preliminary Ranking Worksheet.

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### 5 Scientific Studies Program

Per LACFCD Code Ch18.07.E, the purpose of the Scientific Studies Program is to provide funding for scientific and technical activities.

#### 5.1 Submitted and Recommended Studies

Below is a list of all Projects submitted to the Scientific Studies Program for this Watershed Area. Studies shown in white have been included in the recommended SIP.

Project Name	Project Applicant	SIP Programming Status	Total Funding Allocated in this WASC
Community Garden Stormwater Capture Investigation	Los Angeles Community Garden Council	Not Included	
Microplastics in LA County Stormwater	Dr. Andrew Gray, University of California Riverside	Included in SIP	\$247,752
Rebuilding Soils for Effective Nature-based Solutions	TreePeople	Not Included	
Regenerate LA: Nature-Based Solutions for Community Parks	Kiss the Ground	Not Included	

Refer to Attachment A or the SIP tool (<https://portal.safecleanwaterla.org/sip-tool/>) for the Final Recommended SIP with additional project details.

#### 5.2 Continuing Studies

Below is a list of all the Scientific Studies that were included in previous SIPs.

Project Name	Project Applicant	SIP Year	SIP Funding Status	Remaining Funding Requested
Recalculation of Wet Weather Zinc Criterion	City of Los Angeles Sanitation	FY20-21	Continuing	\$57,886
Regional Pathogen Reduction Study	Gateway Water Management Authority	FY21-22	Continuing	\$1,109,562

# Safe, Clean Water Program

Fiscal Year 2022-2023

## Stormwater Investment Plan

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### 5.3 Discussion

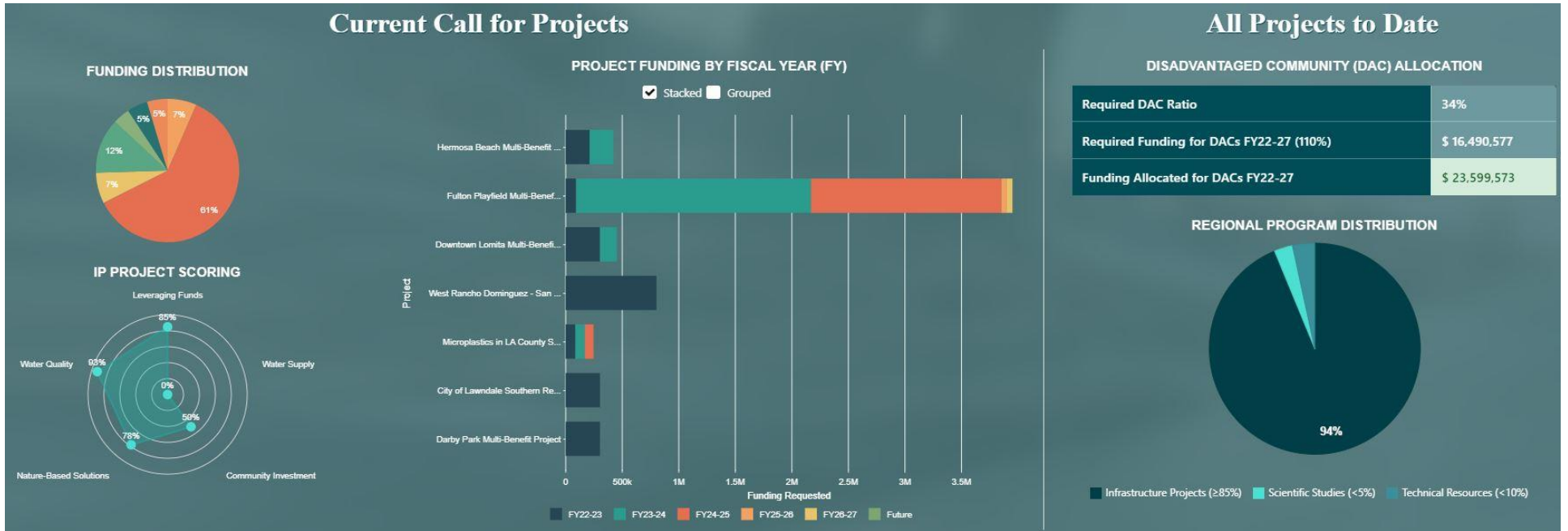
The WASC received presentations on the Microplastics in LA County Stormwater and Regenerate LA Scientific Studies at the October 20, 2021 WASC meeting. Regenerate LA was presented as a TRP at this meeting, however, the WASC Committee, Watershed Coordinator, and District decided this project did not fit the TRP criteria. Therefore, the Regenerate LA application was re-submitted as a Scientific Study (SS) and presented at the February 16, 2022 WASC meeting with the revised title: Regenerate LA: Nature-Based Solutions for Community Parks. The WASC voted to accept the new SS, under its new title, in place of the previously submitted TRP Project concept for consideration of funding. The WASC received presentations for the Community Garden Stormwater Investigation and Rebuilding Soils for Effective Nature-based Solutions at the November 17, 2021 WASC meeting. The District hired Southern California Coastal Water Research Project (SCCWRP) to provide independent, rapid, and unbiased evaluation (summary) of the technical adequacy of each scientific study proposal, which were shared with the project applicants and WASC members. Once the SCCWRP summaries were completed, the applicants were invited to the following WASC meeting to provide clarification and respond to the content of the SCCWRP summaries. The WASC decided to fund only one of the submitted SSs, the Microplastics in LA County Stormwater SS, based on the SCCWRP summary and Preliminary Ranking Worksheet.

## 6 Next Steps

The WASC requests that the Regional Oversight Committee (ROC) advance the recommended SIP to the Board of Supervisors for approval.

Next WASC meeting will be on July 20, 2022, from 1:00 pm to 3:00 pm. At this meeting, the WASC members will consider the ROC's feedback on the recommended SIP.

Attachment A  
Final Recommended SIP – South Santa Monica Bay



	Budget		Projections					TOTAL	Annual O&M
	FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	Future Funding			
A. Anticipated Annual Regional Program Funds Collected	\$17.7M	\$17.7M	\$17.7M	\$17.7M	\$17.7M		\$88.3M		
B. Anticipated Annual Regional Program Funds Available (A+D) ⓘ	\$18M	\$18.3M	\$25.3M	\$31.6M	\$41.9M				
C. Total Recommendation in Current SIP	\$2.1M	\$2.5M	\$1.8M	\$50.5k	\$46.5k	\$346k	\$6.5M	\$232k	
Total Allocated in Previous SIP(s)	\$15.3M	\$8.1M	\$9.6M	\$7.3M	\$200k	\$0	\$40.6M	\$1.2M	
D. Remaining Balance/Rollover Funds (B-C) ⓘ	\$374k	\$661k	\$7.7M	\$14M	\$24.2M	\$41.7M		Total: \$1.4M	
E. Percent Allocated (C/B) ⓘ	96%	58%	45%	23%	1%		53%		

Attachment A  
Final Recommended SIP

Watershed Area	South Santa Monica Bay
Included in SIP?	Yes

Row Labels	Project Lead	DAC	FY 22-23 Budget	FY 23-24 Projection	FY 24-25 Projection	FY 25-26 Projection	FY 26-27 Projection	Anticipated SCW Funding FY 22-27
<b>FY20-21</b>			<b>\$10,220,261.00</b>	<b>\$200,000.00</b>	<b>\$200,000.00</b>	<b>\$200,000.00</b>	<b>\$0.00</b>	<b>\$10,820,261.00</b>
Infrastructure Project			\$10,000,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,000,000.00
Alondra Park Multi Benefit Stormwater Capture Project	Los Angeles County	Yes	\$10,000,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,000,000.00
Torrance Airport Storm Water Basin Project, Phase 2	City of Torrance	Yes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Wilmington Q Street Local Urban Area Flow Management Project	City of Los Angeles, Bureau of Sanitation	Yes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Scientific Study			\$20,261.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20,261.00
Recalculation of Wet Weather Zinc Criterion	City of Los Angeles Sanitation	No	\$20,261.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20,261.00
Technical Resource			\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$0.00	\$800,000.00
Eastview Park	City of Rancho Palos Verdes	No	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Harbor City Park Multi-Benefit Stormwater Capture Project	Los Angeles County	Yes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
South Santa Monica Bay Watershed Coordinator	Los Angeles County Flood Control District	No	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$0.00	\$800,000.00
<b>FY21-22</b>			<b>\$5,061,869.98</b>	<b>\$7,933,801.36</b>	<b>\$9,412,027.45</b>	<b>\$7,127,910.64</b>	<b>\$0.00</b>	<b>\$29,535,609.43</b>
Infrastructure Project			\$4,717,905.50	\$7,600,932.50	\$9,081,932.50	\$7,072,432.50	\$0.00	\$28,473,203.00
Carson Stormwater and Runoff Capture Project at Carriage Crest Park	City of Carson	Yes	\$207,500.00	\$207,500.00	\$207,500.00	\$207,500.00	\$0.00	\$830,000.00
South Santa Monica Bay Water Quality Enhancement: 28th Street Storm Drain Infiltration Project	City of Manhattan Beach (Mamerto Estepa Jr., Prem Kumar, and Shawn Igoe)	No	\$4,005,732.50	\$4,005,732.50	\$4,055,732.50	\$4,055,732.50	\$0.00	\$16,122,930.00
Stormwater Basin Expansion Project	City of Torrance	No	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Wilmington Neighborhood Greening Project	City of Los Angeles, Bureau of Sanitation and Environment	Yes	\$504,673.00	\$3,387,700.00	\$4,818,700.00	\$2,809,200.00	\$0.00	\$11,520,273.00
Scientific Study			\$343,964.48	\$332,868.86	\$330,094.95	\$55,478.14	\$0.00	\$1,062,406.43
Regional Pathogen Reduction Study	Gateway Water Management Authority	No	\$343,964.48	\$332,868.86	\$330,094.95	\$55,478.14	\$0.00	\$1,062,406.43
Technical Resource			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Palos Verdes Peninsula Multi-Benefit Flow Diversion Project	City of Rolling Hills Estates	Yes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Prioritization of Parkway BMPs for Dominguez Channel/ Harbors Toxics TMDL	City of Torrance	No	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>FY22-23</b>			<b>\$2,090,133.75</b>	<b>\$2,520,717.50</b>	<b>\$1,759,150.25</b>	<b>\$50,500.00</b>	<b>\$46,500.00</b>	<b>\$6,467,001.50</b>
Infrastructure Project			\$1,404,975.00	\$2,434,275.00	\$1,683,000.00	\$50,500.00	\$46,500.00	\$5,619,250.00
Downtown Lomita Multi-Benefit Stormwater Project	City of Lomita	Yes	\$300,000.00	\$149,300.00	\$0.00	\$0.00	\$0.00	\$449,300.00
Fulton Playfield Multi-Benefit Infiltration Project	City of Redondo Beach	No	\$93,000.00	\$2,073,000.00	\$1,683,000.00	\$50,500.00	\$46,500.00	\$3,946,000.00
Hermosa Beach Multi-Benefit Parking Lot Greening Project (Lot D)	Hermosa Beach	No	\$211,975.00	\$211,975.00	\$0.00	\$0.00	\$0.00	\$423,950.00
West Rancho Dominguez - San Pedro Street Green Improvement	Los Angeles County Public Works	Yes	\$800,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$800,000.00
Scientific Study			\$85,158.75	\$86,442.50	\$76,150.25	\$0.00	\$0.00	\$247,751.50
Microplastics in LA County Stormwater	Dr. Andrew Gray, University of California Riverside	No	\$85,158.75	\$86,442.50	\$76,150.25	\$0.00	\$0.00	\$247,751.50
Technical Resource			\$600,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$600,000.00
City of Lawndale Southern Revitalization Project	City of Lawndale	Yes	\$300,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$300,000.00
Darby Park Multi-Benefit Project	City of Inglewood	Yes	\$300,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$300,000.00
<b>Grand Total</b>			<b>\$17,372,264.73</b>	<b>\$10,654,518.86</b>	<b>\$11,371,177.70</b>	<b>\$7,378,410.64</b>	<b>\$46,500.00</b>	<b>\$46,822,871.93</b>

Attachment B  
Summary to Date

Watershed Area	South Santa Monica Bay
Included in SIP?	Yes

Row Labels	Project Lead	DAC	FY 20-21 Disbursements	FY 21-22 Disbursements	FY 22-23 Budget	FY 23-24 Projection	FY 24-25 Projection	FY 25-26 Projection	FY 26-27 Projection	Total Anticipated SCW Funding
<b>FY20-21</b>			<b>\$14,388,796.00</b>	<b>\$12,478,529.00</b>	<b>\$10,220,261.00</b>	<b>\$200,000.00</b>	<b>\$200,000.00</b>	<b>\$200,000.00</b>	<b>\$0.00</b>	<b>\$37,687,586.00</b>
Infrastructure Project			\$13,574,325.00	\$12,255,375.00	\$10,000,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35,829,700.00
Alondra Park Multi-Benefit Stormwater Capture Project	Los Angeles County	Yes	\$10,000,000.00	\$10,000,000.00	\$10,000,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30,000,000.00
Torrance Airport Storm Water Basin Project, Phase 2	City of Torrance	Yes	\$906,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$906,000.00
Wilmington Q Street Local Urban Area Flow Management Project	City of Los Angeles, Bureau of Sanitation	Yes	\$2,668,325.00	\$2,255,375.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,923,700.00
Scientific Study			\$14,471.00	\$23,154.00	\$20,261.00	\$0.00	\$0.00	\$0.00	\$0.00	\$57,886.00
Recalculation of Wet Weather Zinc Criterion	City of Los Angeles Sanitation	No	\$14,471.00	\$23,154.00	\$20,261.00	\$0.00	\$0.00	\$0.00	\$0.00	\$57,886.00
Technical Resource			\$800,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$0.00	\$1,800,000.00
Eastview Park	City of Rancho Palos Verdes	No	\$300,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$300,000.00
Harbor City Park Multi-Benefit Stormwater Capture Project	Los Angeles County	Yes	\$300,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$300,000.00
South Santa Monica Bay Watershed Coordinator	Los Angeles County Flood Control District	No	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$0.00	\$1,200,000.00
<b>FY21-22</b>				<b>\$7,519,483.42</b>	<b>\$5,061,869.98</b>	<b>\$7,933,801.36</b>	<b>\$9,412,027.45</b>	<b>\$7,127,910.64</b>	<b>\$0.00</b>	<b>\$37,055,092.85</b>
Infrastructure Project				\$6,872,327.00	\$4,717,905.50	\$7,600,932.50	\$9,081,932.50	\$7,072,432.50	\$0.00	\$35,345,530.00
Carson Stormwater and Runoff Capture Project at Carriage Crest Park	City of Carson	Yes		\$207,500.00	\$207,500.00	\$207,500.00	\$207,500.00	\$207,500.00	\$0.00	\$1,037,500.00
South Santa Monica Bay Water Quality Enhancement: 28th Street Storm Drain Infiltration Project	City of Manhattan Beach (Mamerto Estepa Jr., Prem Kumar, and Shawn Igoe)	No		\$1,497,100.00	\$4,005,732.50	\$4,005,732.50	\$4,055,732.50	\$4,055,732.50	\$0.00	\$17,620,030.00
Stormwater Basin Expansion Project	City of Torrance	No		\$4,505,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,505,000.00
Wilmington Neighborhood Greening Project	City of Los Angeles, Bureau of Sanitation and Environment	Yes		\$662,727.00	\$504,673.00	\$3,387,700.00	\$4,818,700.00	\$2,809,200.00	\$0.00	\$12,183,000.00
Scientific Study				\$47,156.42	\$343,964.48	\$332,868.86	\$330,094.95	\$55,478.14	\$0.00	\$1,109,562.85
Regional Pathogen Reduction Study	Gateway Water Management Authority	No		\$47,156.42	\$343,964.48	\$332,868.86	\$330,094.95	\$55,478.14	\$0.00	\$1,109,562.85
Technical Resource				\$600,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$600,000.00
Palos Verdes Peninsula Multi-Benefit Flow Diversion Project	City of Rolling Hills Estates	Yes		\$300,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$300,000.00
Prioritization of Parkway BMPs for Dominguez Channel/ Harbors Toxics TMDL	City of Torrance	No		\$300,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$300,000.00
<b>FY22-23</b>					<b>\$2,090,133.75</b>	<b>\$2,520,717.50</b>	<b>\$1,759,150.25</b>	<b>\$50,500.00</b>	<b>\$46,500.00</b>	<b>\$6,813,139.50</b>
Infrastructure Project					\$1,404,975.00	\$2,434,275.00	\$1,683,000.00	\$50,500.00	\$46,500.00	\$5,965,388.00
Downtown Lomita Multi-Benefit Stormwater Project	City of Lomita	Yes			\$300,000.00	\$149,300.00	\$0.00	\$0.00	\$0.00	\$449,300.00
Fulton Playfield Multi-Benefit Infiltration Project	City of Redondo Beach	No			\$93,000.00	\$2,073,000.00	\$1,683,000.00	\$50,500.00	\$46,500.00	\$4,292,138.00
Hermosa Beach Multi-Benefit Parking Lot Greening Project (Lot D)	Hermosa Beach	No			\$211,975.00	\$211,975.00	\$0.00	\$0.00	\$0.00	\$423,950.00
West Rancho Dominguez - San Pedro Street Green Improvement	Los Angeles County Public Works	Yes			\$800,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$800,000.00
Scientific Study					\$85,158.75	\$86,442.50	\$76,150.25	\$0.00	\$0.00	\$247,751.50
Microplastics in LA County Stormwater	Dr. Andrew Gray, University of California Riverside	No			\$85,158.75	\$86,442.50	\$76,150.25	\$0.00	\$0.00	\$247,751.50
Technical Resource					\$600,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$600,000.00
City of Lawndale Southern Revitalization Project	City of Lawndale	Yes			\$300,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$300,000.00
Darby Park Multi-Benefit Project	City of Inglewood	Yes			\$300,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$300,000.00
<b>Grand Total</b>			<b>\$14,388,796.00</b>	<b>\$19,998,012.42</b>	<b>\$17,372,264.73</b>	<b>\$10,654,518.86</b>	<b>\$11,371,177.70</b>	<b>\$7,378,410.64</b>	<b>\$46,500.00</b>	<b>\$81,555,818.35</b>