Fiscal Year 2022-2023

Stormwater Investment Plan



Stormwater Investment Plan North 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:

1 Contents

1	Summary of Stormwater Investment Plan Recommendations	2
2	Summary of Meetings and Process	3
3	Infrastructure Program	5
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5	Scientific Studies Program	13
6	Next Steps	14

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

Safe, Clean Water Program Fiscal Year 2022-2023 Stormwater Investment Plan



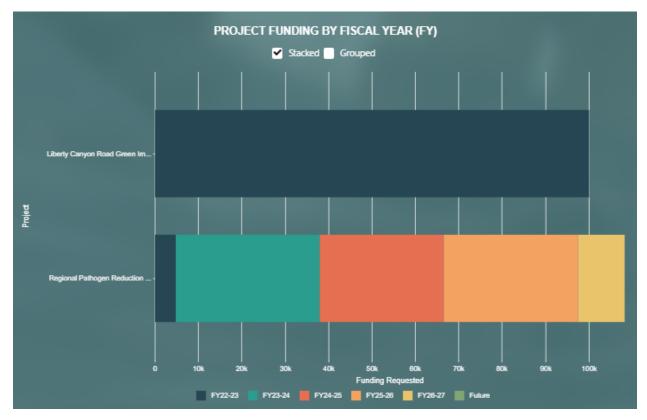
1 Summary of Stormwater Investment Plan Recommendations

The North Santa Monica Bay Watershed Area receives approximately \$1.8M in annual Regional Program funds.

For Fiscal Year 2022-2023 (FY22-23), 1 Infrastructure Program Project, 0 Technical Resources Program Project concepts, and 2 Scientific Studies Program applications were submitted for consideration. After careful review and consideration, the WASC voted to include 1 Infrastructure Program Project, 1 Scientific Studies Program 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 anticipated annual operations, maintenance, and monitoring costs for the new continuing projects.

Bud			Budget Projections						
		FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	Future Funding	TOTAL	Annual O&M
A. Anticipated Annual Regional Program Funds Collected		\$1.8M	\$1.8M	\$1.8M	\$1.8M	\$1.8M		\$9M	
B. Anticipated Annual Regional Program Funds Available (A+D) 🐧		\$4.5M	\$5.7M	\$7.4M	\$9M	\$10.7M			
C. Total Recommendation in Current SIP		\$105k	\$33.2k	\$28.5k	\$31k	\$10.8k		\$208k	\$75.7k
Total Allocated in Previous SIP(s)		\$500k	\$100k	\$100k	\$100k	\$100k		\$900k	\$66k
D. Remaining Balance/Rollover Funds (B-C) ① \$2.7M		\$3.9M	\$5.6M	\$7.2M	\$8.9M	\$10.6M			Total: \$142k
E. Percent Allocated (C/B) 🐧		13%						12%	



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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 six times between August 2021 and May 2022. Refer to the <u>WASC Webpage</u> (https://safecleanwaterla.org/north-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 Project, acknowledged the need for an accelerated timeline, and voted to send the Infrastructure Project 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 <u>Feasibility Study Guidelines</u>. Since all Regional 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. For the NSMB Watershed Area, the submitted IP project met the Threshold Score. Refer to the <u>FY 22-23 NSMB Scoring Rubric</u>.

2.3 Presentations

At the monthly virtual, WASC meetings, all Regional Program applicants that submitted complete proposals presented their Project, Project 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, Project 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.

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2.4 Preliminary Ranking Worksheet

Due to the low number of projects in the NSMB Watershed Area being considered, a preliminary ranking survey was not conducted. The WASC discussed each Infrastructure Program Project and Scientific Study listed below:

Program	Project Name
IP	Liberty Canyon Road Green Improvement Project
SS	Regional Pathogen Reduction Study
	Community-Centered Optimization of Nature-Based BMPs
SS	Starting with Gaffey Nature Center Facility

2.5 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.

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

Please refer to the <u>Project Portal (https://portal.safecleanwaterla.org/scw-reporting/map)</u> and the WASC webpage on the <u>Safe, Clean Water website (www.safecleanwaterla.org)</u> for details.

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

2.6 Summary of Public Comment

Public comments are detailed in the WASC meeting minutes, which are posted on the WASC webpage. The WASC received strong public support for the Liberty Canyon Road Green Improvement Project. The WASC did not receive any strong public input contrary to the recommended SIP.

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3 Infrastructure Program

3.1 Submitted and Recommended Projects

All projects were evaluated as described above in Section 2 Summary of Meetings. The Project below was submitted to the FY 22-23 Infrastructure Program for this Watershed Area.

Project Name	Project Applicant	SIP Programming Status	Phase(s)	Total Funding FY22-27
Liberty Canyon Road Green Improvement	Los Angeles County Public Works	Included in SIP	Design	\$100,000

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

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.

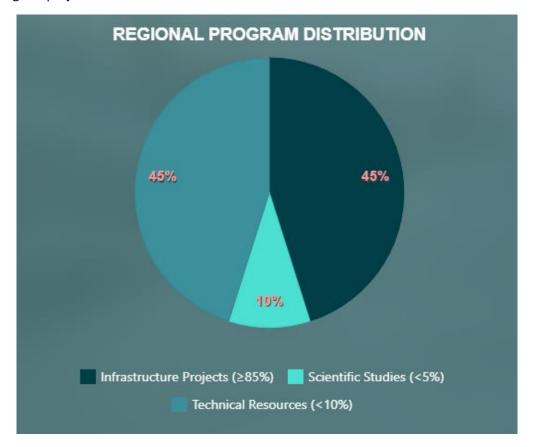
Funding Program	Total SCW Funding Allocated FY 22-27	Funding Distribution for Subprograms FY 22-27
Infrastructure Program (≥85%)	\$500,000	45.0%
Scientific Studies (<5%)	\$500,000	45.0%
Technical Resources Program (<10%)	\$108,292	10.0%
Grand Total	\$1,108,292	

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Due to the low number of project applications and the limited available annual Regional Program funds for this Watershed Area, the WASC decided to rollover the majority of the current funds to future years to aggregate the funds available for potential future projects. Additionally, in this Watershed Area it is not possible to adhere to the 85%, 10%, and 5% SIP funding requirements over a 5-year period, including unallocated funds, respectively, for Infrastructure Program, Technical Resources Program, and Scientific Study Program projects due to the limited available funds.



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.

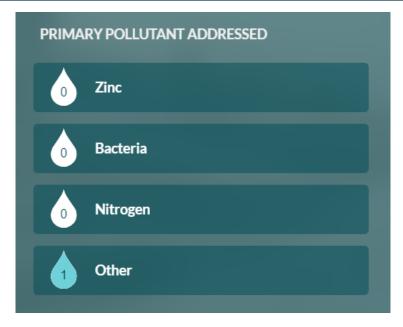
Below is an overview of the applicant-entered water quality data for the new FY22-23 Infrastructure Program Projects included in the recommended SIP.

Project Name	Project Type	Capture Area (acres)	24-hr Capacity (acre-feet)	Annual Average Capture (acre-feet)
Liberty Canyon Road Green				
Improvement	Wet	41.76	0.9	4.55
Grand Total		41.76	0.9	4.55

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*NOTE: "Other" may include Dry Weather Projects, Copper, Lead, Toxics, Phosphorus, and Chloride. The Primary Pollutant Addressed by the Liberty Canyon Road Green Improvement Project is Phosphorus.

3.2.4 Disadvantaged Communities (DAC) Benefits

Compliant with LACFCD Code Ch18.07.B.2.c.

This Watershed Area does not have a disadvantaged community population at this time.

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	Municipality	Municipalities within Project Capture Area
Liberty Canyon Road Green Improvement Project	Unincorporated (Los Angeles County)	Agoura Hills, Unincorporated (Los Angeles County)

3.2.6 Project Types and Sizes

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

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

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	ВМР Туре	Capture Area (acres)
Liberty Canyon Road Green Improvement	Wet	Treatment	
Project	wet	Facility	41.76
Grand Total			78.83

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
Liberty Canyon Road Improvement Project	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.

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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)
Liberty Canyon Road Green	Commitment		
Improvement Project	Received	\$50,000	3
Grand Total		\$50,000	3

^{*}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. The future anticipated construction costs were estimated and confirmed by the project applicants and actual future SCW Regional Program funding requests for construction may differ due to updated project estimates, leveraged funding, awarded grants, or municipality contribution. The recommended SIP allows enough future budget to accommodate the projects' anticipated construction costs. The Liberty Canyon Road Green Improvement Project requested SCW funding for design only to provide a more refined construction schedule and cost estimate once design is completed. It is anticipated that project proponents of the Liberty Canyon Road Green Improvement Project will apply for SCW Regional Program funds for construction once design is completed.

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 Projects were included in the SIP tool and shown below. The recommended SIP anticipates a total annual O & M cost of \$142k of the anticipated \$1.8M 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 projects based on currently anticipated additional funding requests to cover subsequent phases.

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		Budget		Projections					
		FY22-23	FY23-24	FY24-25	FY25-26	FY26-27	Future Funding	TOTAL	Annual O&M
A. Anticipated Annual Regional Program Funds Collected		\$1.8M	\$1.8M	\$1.8M	\$1.8M	\$1.8M		\$9M	
B. Anticipated Annual Regional Program Funds Available (A+D) 🛈		\$4.5M	\$5.5M	\$6.2M	\$7.7M	\$9.2M			
C. Total Recommendation in Current SIP		\$280k	\$1.1M	\$182k	\$183k		\$0	\$1.9M	\$75.7k
Total Allocated in Previous SIP(s)		\$500k	\$100k	\$100k	\$100k	\$100k	\$0	\$900k	\$66k
D. Remaining Balance/Rollover Funds (B-C) 1 \$2.7M		\$3.7M	\$4.4M	\$5.9M	\$7.4M	\$8.9M			Total: \$142k
E. Percent Allocated (C/B) 🐧		17%						31%	

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 in 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	Remaining Funding Request
Viewridge Road	Los Angeles			
Stormwater	County Public			
Improvements Project	Works	FY 21-22	Continuing	\$400,000

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.

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.

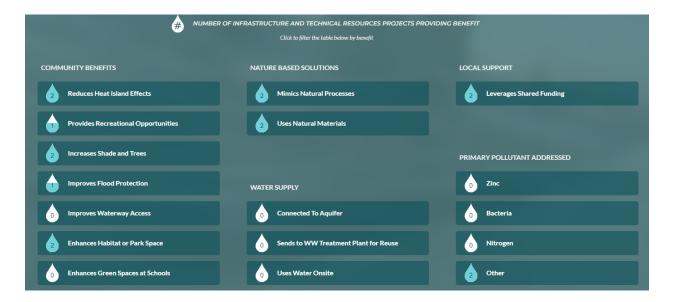
Area Managed by Projects (acres)	121
Project Storage Capacity (acre-feet)	4
Annual Average Stormwater Capture (acre-feet)	5
Dry Weather Inflow to Projects (cubic feet per sec)	0

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4 Technical Resources Program

Per LACFCD Code Ch18.07.D, the purpose of the Technical Resources Program 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

There were no Project concepts submitted to the FY 22-23 Technical Resources Program for this Watershed Area. Funding for one Watershed Coordinator for up to \$100,000 for FY 22-23 is included in the recommended SIP and placeholders for the same annual amount is included for future years.

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 the ongoing TRP Projects concept that was approved in a previous fiscal year's SIP. The Las Virgenes Creek Restoration TRP project team held their first meeting in May 2022.

Project Name	Project Applicant	SIP Year	SIP Funding Status	Remaining Funding Request
Las Virgenes Creek Restoration - Phase III	City of Calabasas	FY21-22	Funded	\$0.00

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4.3 Discussion

No Project concept applications were received for FY 22-23.

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. The study shown in white was included in the recommended SIP.

Project Name	Project Applicant	SIP Programming Status	Total Funding Allocated in this WASC
Community-Centered			
Optimization of Nature-			
Based BMPs Starting with			
the Gaffey Nature Center	Shahriar Eftekharzadeh, PhD,		
Facility	PE	Not Included	
Regional Pathogen	Gateway Water Management		
Reduction Study	Authority	Included in SIP	\$108,292

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

No Scientific Studies were included in previous SIPs.

5.3 Discussion

The WASC received presentations on the Community-Centered Optimization of Nature-Based BMPs Starting with the Gaffey Nature Center Facility and the Regional Pathogen Reduction Study at the October 14, 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 the Regional Pathogen Reduction Scientific Study based on the SCCWRP summaries and group discussion.

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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 14, 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 – North Santa Monica Bay



		Budget	Projections						
			FY23-24	FY24-25	FY25-26	FY26-27	Future Funding	TOTAL	Annual O&M
A. Anticipated Annual Regional Program Funds Collected		\$1.8M	\$1.8M	\$1.8M	\$1.8M	\$1.8M		\$9M	
B. Anticipated Annual Regional Program Funds Available (A+D) 🐧			\$5.7M	\$7.4M	\$9M	\$10.7M			
C. Total Recommendation in Current SIP		\$105k	\$33.2k	\$28.5k	\$31k	\$10.8k	\$0	\$208k	\$75.7k
Total Allocated in Previous SIP(s)		\$500k	\$100k	\$100k	\$100k	\$100k	\$0	\$900k	\$66k
D. Remaining Balance/Rollover Funds (B-C) 🐧	\$2.7M	\$3.9M	\$5.6M	\$7.2M	\$8.9M	\$10.6M			Total: \$142k
E. Percent Allocated (C/B) 🐧		13%	2%	2%	1%			12%	

Attachment A Final Recommended SIP

Watershed Area North Santa Monica Bay
Included in SIP? Yes

				FY 23-24	FY 24-25	FY 25-26	FY 26-27	Anticipated SCW
Row Labels	Project Lead	DAC	FY 22-23 Budget	Projection	Projection	Projection	Projection	Funding FY 22-27
FY20-21			\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$0.00	\$400,000.00
Technical Resource			\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$0.00	\$400,000.00
North Santa Monica Bay Watershed Coordinator	Los Angeles County Flood Control District	No	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$0.00	\$400,000.00
FY21-22			\$400,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$400,000.00
Infrastructure Project			\$400,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$400,000.00
Viewridge Road Stormwater Improvements Project	Los Angeles County Public Works	No	\$400,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$400,000.00
Technical Resource			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Las Virgenes Creek Restoration - Phase III	City of Calabasas	No	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FY22-23			\$104,748.60	\$33,240.22	\$28,491.61	\$30,982.33	\$10,829.20	\$208,291.96
Infrastructure Project			\$100,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$100,000.00
Liberty Canyon Road Green Improvement	Los Angeles County Public Works	No	\$100,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$100,000.00
Scientific Study			\$4,748.60	\$33,240.22	\$28,491.61	\$30,982.33	\$10,829.20	\$108,291.96
Regional Pathogen Reduction Study	Gateway Water Management Authority	No	\$4,748.60	\$33,240.22	\$28,491.61	\$30,982.33	\$10,829.20	\$108,291.96
Grand Total			\$604,748.60	\$133,240.22	\$128,491.61	\$130,982.33	\$10,829.20	\$1,008,291.96

Attachment B Summary to Date

Watershed Area North Santa Monica Bay Included in SIP? Yes

			FY 20-21	FY 21-22		FY 23-24	FY 24-25	FY 25-26	FY 26-27	Total Anticipated SCW
Row Labels	Project Lead	DAC	Disbursements	Disbursements	FY 22-23 Budget	Projection	Projection	Projection	Projection	Funding
FY20-21			\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$0.00	
Technical Resource			\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$0.00	
North Santa Monica Bay Watershed Coordinator	Los Angeles County Flood Control District	No	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$0.00	
FY21-22				\$700,000.00	\$400,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,100,000.00
Infrastructure Project				\$400,000.00	\$400,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$800,000.00
Viewridge Road Stormwater Improvements Project	Los Angeles County Public Works	No		\$400,000.00	\$400,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$800,000.00
Technical Resource				\$300,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$300,000.00
Las Virgenes Creek Restoration - Phase III	City of Calabasas	No		\$300,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$300,000.00
FY22-23					\$104,748.60	\$33,240.22	\$28,491.61	\$30,982.33	\$10,829.20	\$208,291.96
Infrastructure Project					\$100,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$100,000.00
Liberty Canyon Road Green Improvement	Los Angeles County Public Works	No			\$100,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$100,000.00
Scientific Study					\$4,748.60	\$33,240.22	\$28,491.61	\$30,982.33	\$10,829.20	\$108,291.96
Regional Pathogen Reduction Study	Gateway Water Management Authority	No			\$4,748.60	\$33,240.22	\$28,491.61	\$30,982.33	\$10,829.20	\$108,291.96
Grand Total			\$100,000.00	\$800,000.00	\$604,748.60	\$133,240.22	\$128,491.61	\$130,982.33	\$10,829.20	\$1,308,291.96