

Why Watershed Planning?

Board Motions:

- July 25, 2023 – **Accelerating Implementation of the Safe, Clean Water Program**
- November 23, 2023 – **Board Motion 120 Day Report Back**
- March 19, 2024 – **Progress and Adaptive Management of the Safe, Clean Water Program**

Biennial Report Recommendations:

-  1. Apply new metrics to improve reporting, inform decision-making, and maximize benefits
 - a. Incorporate MMS-generated metrics to standardize evaluation of Goals across the SCW Program
 - b. Develop a Community Strengths & Needs Assessment process to help characterize community-preferred Community Investment Benefit needs and metrics
 - c. Incorporate MMS tested/ generated monitoring and methods to streamline data collection across SCW program
-  2. Adaptively manage scoring and Program guidance to strengthen achievement of SCW Program Goals
 - a. Evaluate results of water supply scoring pilot to evaluate opportunities to refine water supply guidance and scoring
 - b. Benchmark performance to adapt water quality guidance and scoring
 - c. Adapt Community Investment Benefit scoring to accept community-preferred benefits alongside existing Community Investment Benefit categories
-  3. Strengthen planning and collaboration with new data and tools
 - a. Update SCW Program tools to automate computation of new metrics and to account for watershed interactions
 - b. Share MMS datasets to identify opportunities and gaps
 - c. Incorporate MMS compiled Watershed Area opportunity information to support comprehensive Watershed Planning

The Board of Supervisors, Public Works, Governance Committees, and other practitioners recognized the added value in centralized leadership to set specific targets, drive strategic investments towards those targets, and facilitate adaptive management.

What is a SCWP Watershed Plan?

A collaboratively-developed strategic plan (with accompanying tools) that:

- Identifies meaningful opportunities for multi-benefit investments (but does not prescribe specific projects) to advance SCWP Goals within each of the unique SCWP Watershed Areas.
- Articulates targets (desired outcomes) as well as strategies and actions to plan for, achieve, and track progress towards those targets.
- Guides the region to best invest and leverage SCWP funding across all 3 subprograms.
- Proactively directs implementation – i.e., empowers the region to implement using the same language and to lead the strategic pursuit of shared countywide targets through Watershed Area-specific contributions.



How should everyone use them?

To collaboratively plan, implement, track, and assess SCWP investments.

- Project developers will partner with interested parties to craft strategic proposals and will be required to describe alignment in applications and reports
- Committees will review for alignment
- Public Works will apply lessons learned to inform adaptive management (e.g., Feasibility Study Guidelines & scoring revisions, supplemental guidance, etc)

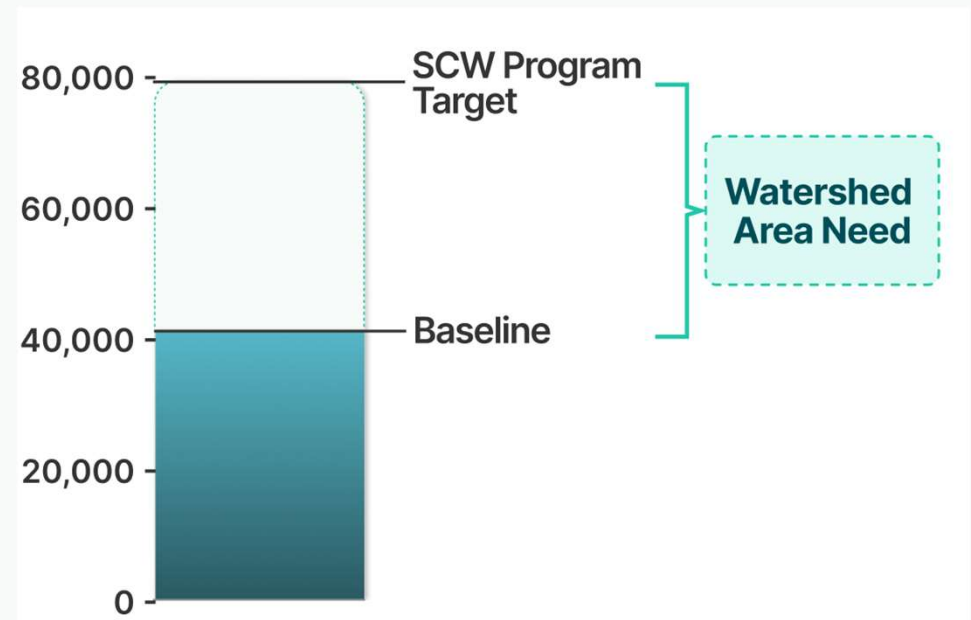


Key Definitions

SCWP Targets = Desired numeric outcomes associated with SCWP investments

Baselines = Anticipated numeric benefits of projects funded to date

Watershed Area Needs = The difference between baselines and targets



SCW Program: Watershed Planning Next Steps

- Public Review period anticipated to start on **Thursday, August 14th** following August ROC Meeting (ending on **Sunday, September 28th**).
 - Parallel public notice of SCWP Feasibility Study Guidelines addendum (adding requirement to describe alignment with Initial Watershed Plans).
 - Note: Municipal Program Annual Plan and reporting modules will have new required input fields to describe alignment.
- September ROC Meeting to discuss further (during review period).
- Comments will be collected from the public in writing, with the comment log to accompany revised plans.
- Submit your Comments and Questions during Public Review to wppubliccomment@dpw.lacounty.gov





**SAFE CLEAN
WATER PROGRAM**

Watershed Planning Technical Information Session

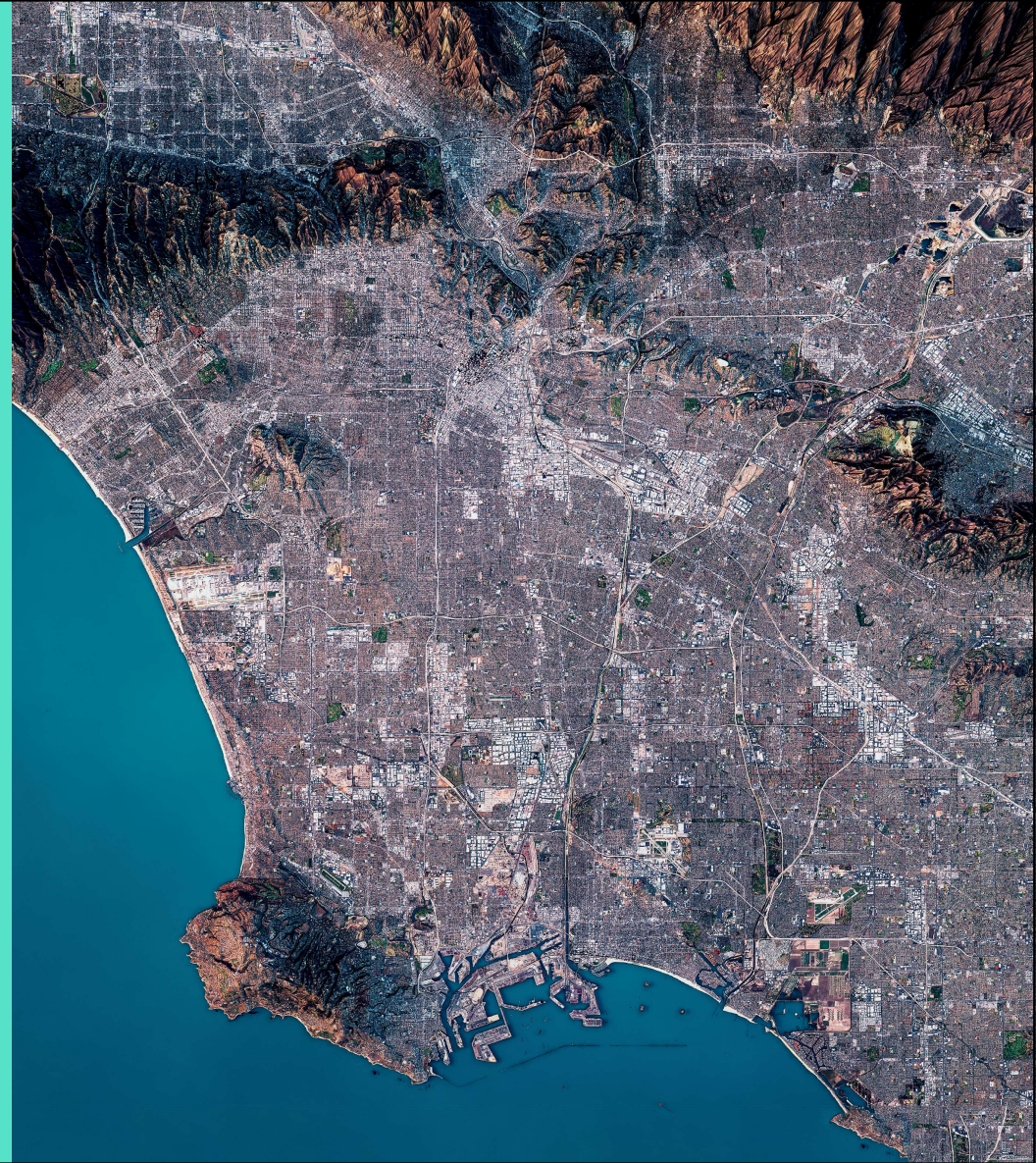
PRESENTED BY:

JUSTIN JONES, P.E.

JASON JADE PEPITO, P.E.

**LOS ANGELES COUNTY PUBLIC WORKS
SCW WATERSHED PLANNING SECTION**

AUGUST 12, 2025



What We're Covering Today

Part 1 – Watershed Planning Recap

1. Key Elements of Watershed Planning
2. Engagement Efforts
3. Overview of Initial Watershed Plans
4. Recommended Use Cases
5. Baselines, Targets, Strategies, Actions, Opportunities

Q&A - Part 1

Part 2 – Technical Session

4. Planning Theme Deep Dive (WQ, WS (Drought Preparedness), & Community Investment)
5. Watershed Planning Timeline

Q&A Part 2



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Watershed Planning has developed:

Data, Tools,
Guidance about
achieving SCW
Program **Goals**

**Indicators
(Metrics)**
for measuring
and selecting
targets

Targets related
to the SCW
Program Goals

**Baseline
(Snapshot of
Progress)**
already initiated
towards the
targets

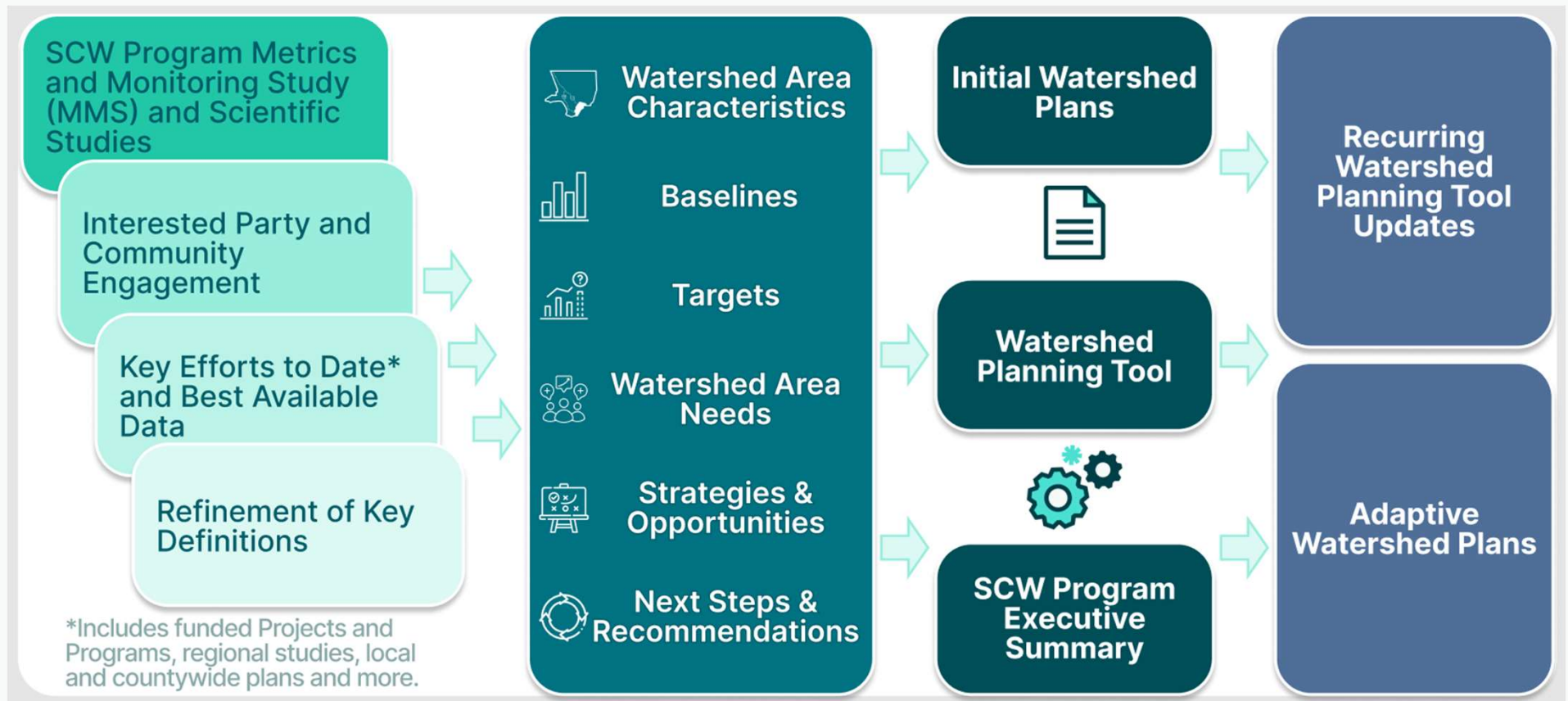
Understanding
Watershed Area
Needs
to reach the
targets

Strategies
for addressing
needs to reach
those targets

Opportunities,
Tools for
decisions,
planning, and
tracking,
progress towards
targets



Inputs and Key Elements of Watershed Planning



Engagement



The SCW Program takes a collaborative approach to address the Los Angeles region's water resilience challenges.

The Initial Watershed Plans prioritize meaningful engagement and synthesize key efforts to date to inform WA characteristics, targets, and strategies that support strategic funding decisions and achievement of SCW Program Goals.



LEAGUE OF
**CALIFORNIA
CITIES**



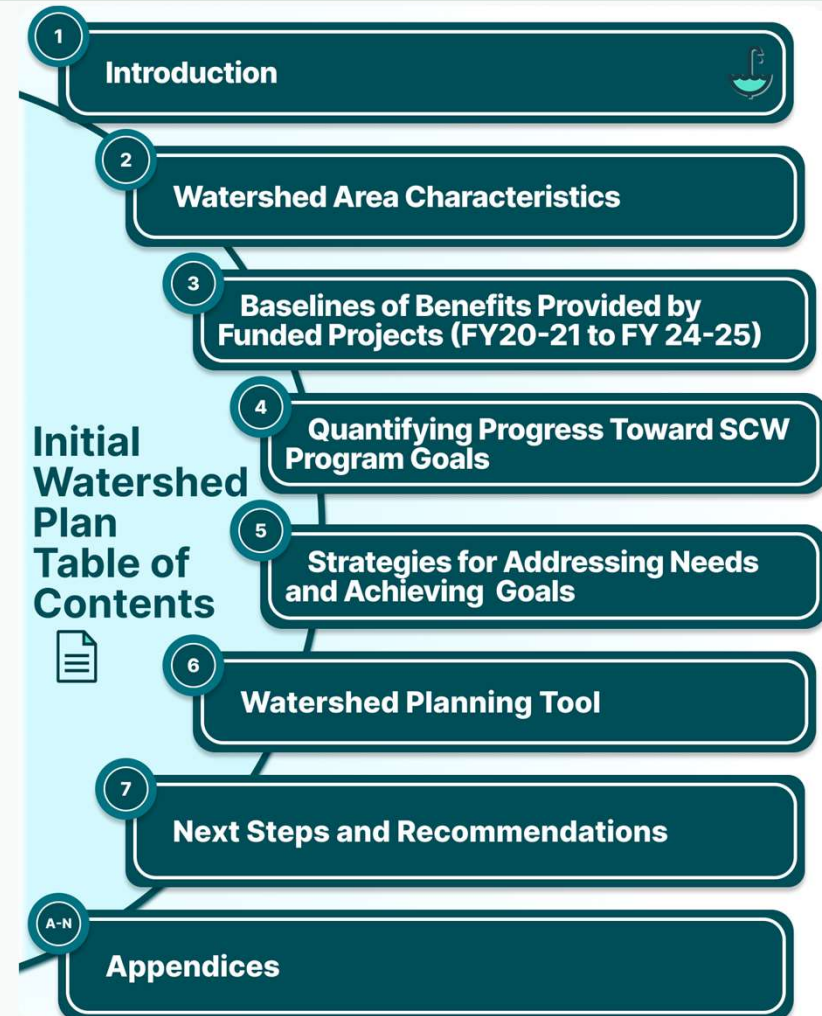
- WASC Workshops (Rounds 1-3)
- ROC Community Investments Benefits and Benefit Ratios Working Group
- ROC Water Quality Working Group
- Watershed Area Task Force – Post Fire Efforts
- Schools and School Greening Advocates
- LA County MS4 Permit Group (Municipalities)



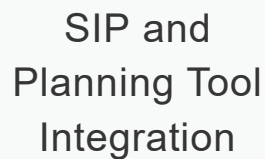
Santa Monica Bay
Restoration Commission

Overview of Initial Watershed Plans:

- Unique, customized Plans for each of the nine (9) Watershed Areas
- 7 Chapters and 14 Appendices
- Chapters 2-5 (Throughline)
- Executive Summary
- SCW Program Wide Executive Summary



The graphic features a teal background on the left with a white icon of a water drop containing a fish. To the right of the icon, the text "SAFE CLEAN WATER PROGRAM" is written in white, bold, sans-serif capital letters. Below this, the title "Initial Watershed Plan" is written in a larger, white, serif font. On the right side of the graphic, there is a photograph of a river flowing under a concrete bridge, with lush green trees and vegetation along the banks.



Recommended Initial Watershed Plan and Watershed Planning Tool Use Cases

 = Key Use



Recommended Initial Watershed Plan and Planning Tool Uses by Interested Party



Community Members and Other Interested Parties



Initial Watershed Plans

- Learn about SCW Program Watershed Planning, characteristics of their Watershed Area, and the benefits provided by SCW Program-funded Projects within their community.
- Learn about targets and strategies specific to their Watershed Area to understand the vision for future Projects and Programs.**
- Learn how to participate in Initial Watershed Plan engagement as well as the Community Strengths and Needs Assessment.
- Understand local water challenges and how Projects and Programs are being prioritized.



Watershed Planning Tool

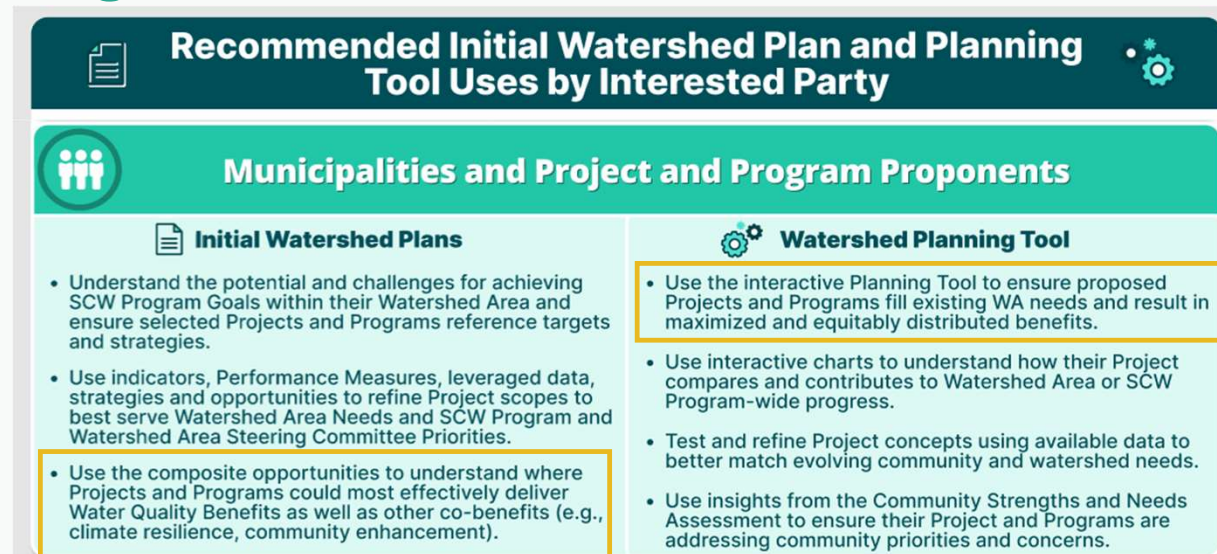
- Use the Planning Tool dashboard to track SCW Program progress toward meeting targets and achieving SCW Program Goals. Revisit the dashboard to see the latest Project and Program investments.**
- Access clear, localized up-to-date information about SCW Program-funded Projects and Programs, including the benefits delivered within their community.
- Advocate for Projects that meet specific community priorities and provide Water Quality and other community co-benefits identified in the Planning Tool composite opportunities and Community Strengths and Needs Assessment.

Other Uses:

- Get involved in planning through the ‘Community Strengths and Needs Assessment’ (CSNA) and engagement efforts related to community priorities and concerns

Recommended Initial Watershed Plan and Watershed Planning Tool Use Cases

 = Key Use



IP/TRP Implementers:

- Work with Watershed Coordinators to maximize potential benefits

SS Implementers:

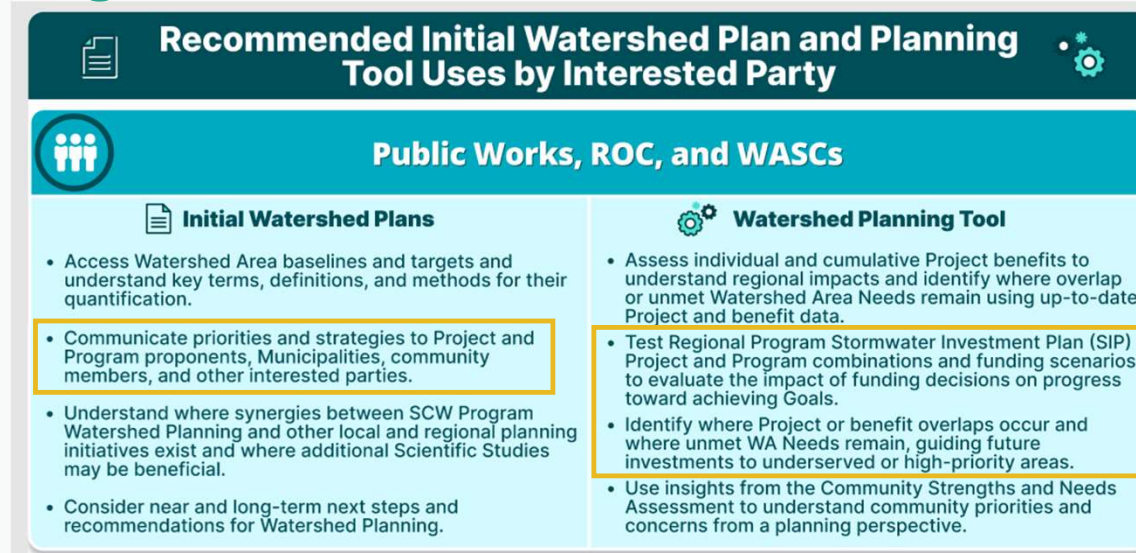
- Work with Scientific Study Advisory Committee to prioritize and develop studies

Municipalities:

- Work with PW/WASCs to identify opportunities for collaboration and co-funding

Recommended Initial Watershed Plan and Watershed Planning Tool Use Cases

 = Key Use



WASC Members:

- Evaluate alignment of projects/studies with the plans

Scoring Committee:

- Aid in scoring process and provide suggestions via annual Scoring Memo

Public Works:

- Identify and implement adaptive management priorities for Watershed Planning and the Program

Alignment with SCW Program



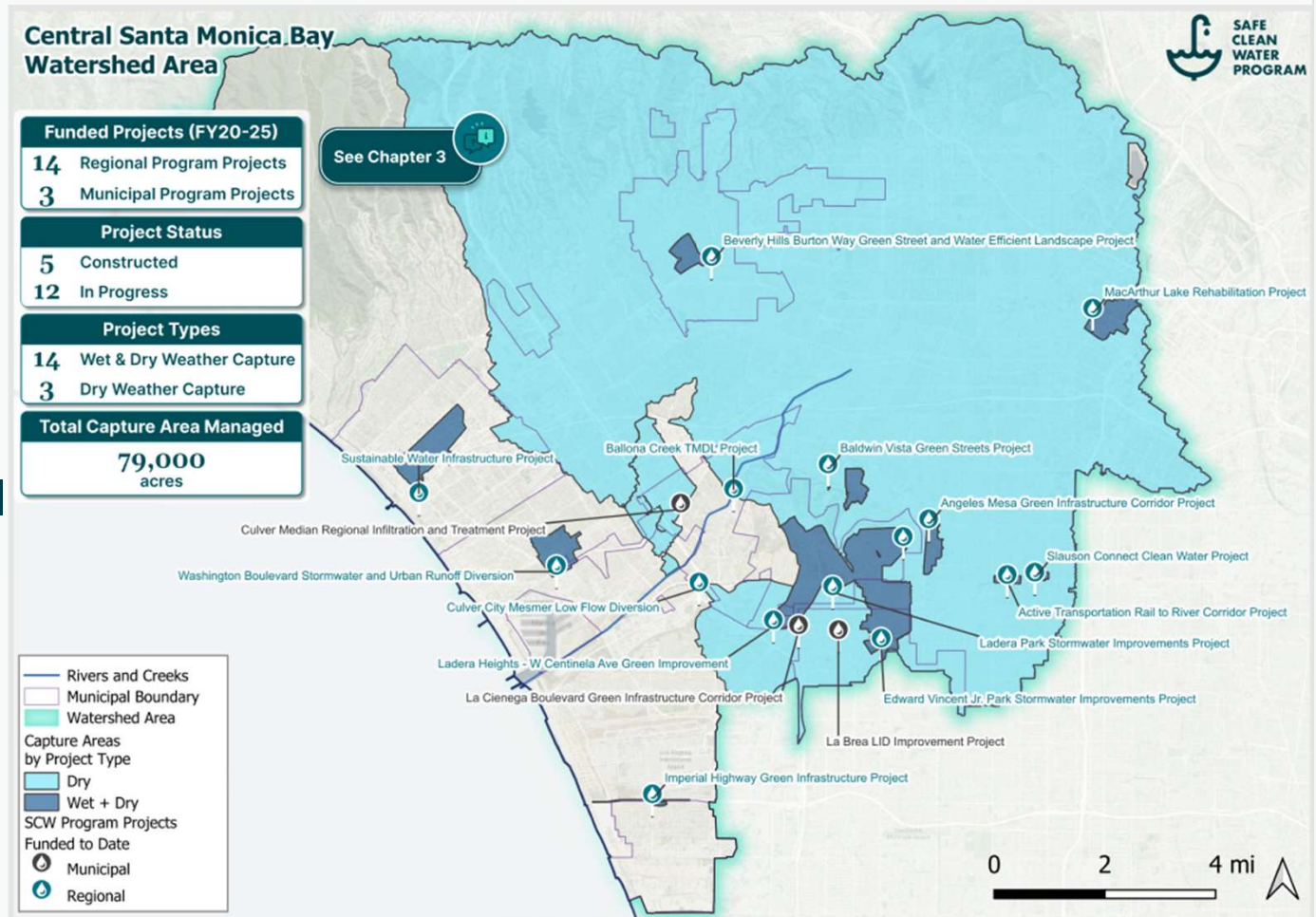
20. Align with WASC Initial Watershed Plan

Provide a detailed description of how this application aligns with your Watershed Area's watershed plan

Description

Planning Baselines Incorporate Investments to Date

- Projects from SIPs
(Regional Program)
- Projects from Annual
Plans (Municipal
Program)



Quantifying Progress Toward SCW Goals



Los Angeles County Flood Control District Code Chapter 16

16.02.B. Provide funding for Programs and Projects to increase Stormwater and Urban Runoff capture and reduce Stormwater and Urban Runoff pollution in the District, including **Projects and Programs providing a Water Supply Benefit, Water Quality Benefit, and Community Investment Benefit.**

| Planning Theme | Improve Water Quality | Increase Drought Preparedness | Improve Public Health |
|---|--|--|---|
| SCW Program Goal Goal Description [LEGEND] | A SCW Program Goal (18.04.A) Improve water quality and contribute to attainment of water-quality requirements. | B SCW Program Goal (18.04.B) Increase drought preparedness by capturing more Stormwater and/or Urban Runoff to store, clean, reuse, and/or recharge groundwater basins. | C SCW Program Goal (18.04.C) Improve public health by preventing and cleaning up contaminated water, increasing access to open space, providing additional recreational opportunities, and helping communities mitigate and adapt to the effects of climate change through activities such as increasing shade and green space. |
| Deliver Multi-Benefits with Nature-Based Solutions & Diverse Projects | Leverage Funding & Invest in Research & Development | Equitably Distribute Benefits | |
| E SCW Program Goal (18.04.E) Invest in infrastructure that provides multiple benefits. | D SCW Program Goal (18.04.D) Leverage other funding sources to maximize SCW Program Goals. | J SCW Program Goal (18.04.J) Provide DAC Benefits, including Regional Program infrastructure investments, that are not less than one hundred and ten percent (110%) of the ratio of the DAC population to the total population in each Watershed Area. | |
| F SCW Program Goal (18.04.F) Prioritize Nature - Based Solutions. | H SCW Program Goal (18.04.H) Encourage innovation and adoption of new technologies and practices. | K SCW Program Goal (18.04.K) Provide Regional Program infrastructure funds benefitting each Municipality in proportion to the funds generated within their jurisdiction, after accounting for allocation of the one hundred and ten percent (110%) return to DACs, to the extent feasible. | |
| G SCW Program Goal (18.04.G) Provide a spectrum of project sizes from neighborhood to regional scales. | I SCW Program Goal (18.04.I) Invest in independent scientific research. | | |
| L SCW Program Goal (18.04.L)* Implement an iterative planning and evaluation process to ensure adaptive management. | Promote Green Jobs & Career Pathways | Ensure Ongoing Operations & Maintenance | Prioritize Meaningful Engagement |
| | M SCW Program Goal (18.04.M) Promote green jobs and career pathways. | N SCW Program Goal (18.04.N) Ensure ongoing operations and maintenance for Projects. | Meaningful engagement is fundamental to the achievement of all Goals. |

* While not aligned with a specific theme, Goal L is supported by Watershed Planning as a whole.

Recommended Strategies and Actions are Generated for each Watershed Area

| Upper Los Angeles River Watershed Area Strategies | | |
|---|--|--------------------|
| Improve Water Quality | | SCW Program Goal A |
| 1.1 | Prioritize high performance Projects and Programs in areas with the highest pollutant loads | |
| 1.2 | Improve water quality and mitigate post-fire runoff through targeted Nature-Based Solutions | |
| Increase Drought Preparedness | | SCW Program Goal B |
| 2.1 | Link MS4 compliance, groundwater recharge, and water reclamation planning to maximize stormwater capture for water quality and water supply* | |
| 2.2 | Maximize stormwater runoff capture and management for water supply | |
| 2.3 | Enhance local water supply through groundwater recharge, diversion to sanitary sewer, and onsite reuse | |
| 2.4 | Enhance local water supply through enhancements to existing LACFCD major capture facilities | |
| Improve Public Health | | SCW Program Goal C |
| 3.1 | Evaluate open space and large lot potential, particularly on school campuses* | |
| 3.2 | Create, enhance, and restore park and green space, especially in high-need communities** | |
| 3.3 | Help communities most affected by extreme heat mitigate and adapt to the effects of climate change** | |

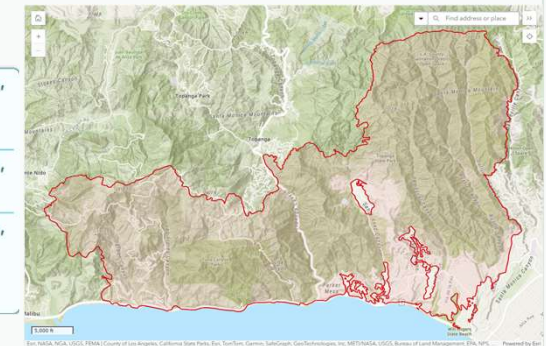
3.3 Help communities most affected by extreme heat mitigate and adapt to the effects of climate change**

- 3.3.1** Utilize green infrastructure that reduces hardscape and optimizes Project footprints to maximize tree canopy, urban cooling, and shaded surfaces, thereby enhancing climate resilience. Project types may include green streets, tree wells, and other surface-based stormwater capture features, such as vegetated areas designed with integrated water storage capacity.
- 3.3.2** Implement multi-benefit Projects that prioritize expanding tree canopy, enhancing urban cooling, and increasing shaded surfaces in communities most vulnerable to climate change by referencing the *Multiple Benefit Opportunity Across Planning Themes* layer.
- 3.3.3** Select tree species based on drought tolerance, community preferences, shade provision capacity, and contributions to local biodiversity. Prioritize the planting, establishment, and maintenance of trees according to industry best management practices, as outlined in the *Recommended Tree Species for Los Angeles County and Best Management Practices for Tree Care* guidelines.

- NEAR TERM WASCs, Municipalities, Project proponents
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| Deliver Multi-Benefits with NBS & Diverse Projects | | SCW Program Goals E, F, G |
|--|--|---------------------------|
| 4.1 | Acknowledge, where feasible, other capital improvement programs that can contribute to regional outcomes* | |
| 4.2 | Deliver nature-based, multi-benefit Projects and Programs that improve water quality while addressing community priorities and concerns | |
| 4.3 | Advance fire-adapted communities by implementing multi-benefit Projects that employ NBS to reduce wildfire risk and enhance ecosystem resilience | |
| Leverage Funding & Invest in Research & Development | | SCW Program Goals D, H, I |
| 5.1 | Booster SCW Program and regional coordination to support identification and communication of alternative funding sources and opportunities | |
| 5.2 | Booster the Scientific Study Program through enhanced review, coordination, and dissemination of results | |
| Equitably Distribute Benefits | | SCW Program Goals J, K |
| 6.1 | Consider historic land use disparities and environmental justice metrics across the SCW Program area* | |
| 6.2 | Advance equity and prioritize new investments particularly in communities not currently served by a SCW Program Project or Program | |
| Promote Green Jobs and Career Pathways | | SCW Program Goal M |
| 7.1 | Prioritize smaller Projects for which construction and maintenance jobs are more likely to come from a local labor force | |
| 7.2 | Invest in research and Programs that promote permanent career pathways | |
| 7.3 | Coordinate job placement and partner with workforce training and pre-apprenticeship programs | |
| Ensure Ongoing Operations & Maintenance for Projects | | SCW Program Goal N |
| 8.1 | Maintain a skilled, local workforce to ensure quality construction and comprehensive operation & maintenance | |
| 8.2 | Ensure sufficient resources are set aside for Project O&M and monitoring | |
| 8.3 | Promote wildfire resilience through fire-resilient O&M protocols for Projects | |
| 8.4 | Integrate post-construction monitoring data into O&M plans | |
| Prioritize Meaningful Engagement | | |
| 9.1 | Promote meaningful and sustained outreach and engagement through regional coordination and expertise | |
| 9.2 | Develop and bolster existing resources and support for Project and Program-specific engagement | |
| 9.3 | Promote fire-adapted communities through enhanced education and outreach | |

*SCW Program-wide Priority Strategy based on engagement **Upper Los Angeles River WASC Priority Strategy based on engagement
Note: While some strategies may not explicitly reference water quality, in accordance with the SCW Program Implementation Ordinance.



Recommended Strategies, Actions, and Involved Parties

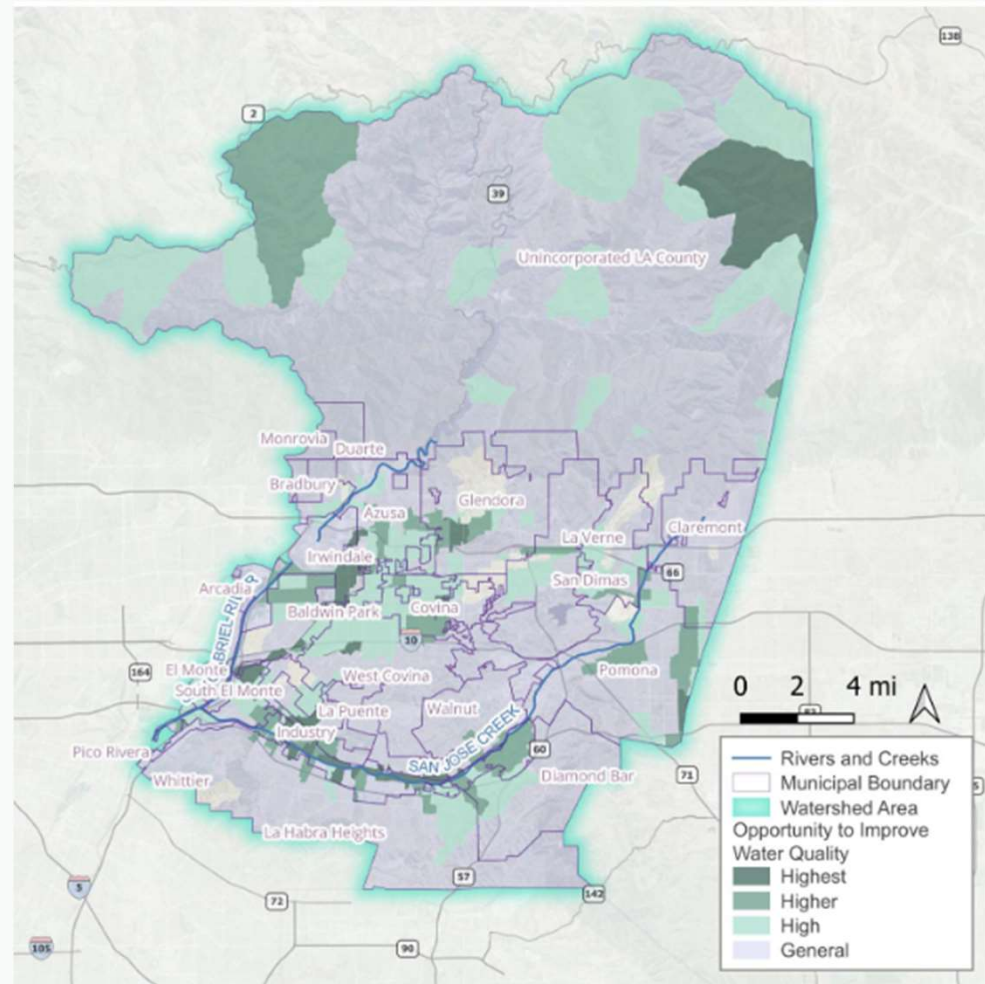
- Each strategy is composed of a series of actions
- WASC Priority Strategies are highlighted
- Recommended participants are listed

| Upper San Gabriel River Watershed Area Strategies and Actions  | | | |
|---|--|---|---|
| Improve Water Quality  | | | |
| Watershed Area Needs (by 2038) | | 15,700 Zinc Load Reduction (lb/yr) | 112,400 Total Phosphorus Load Reduction (lb/yr) |
| | | 1,020 ac-ft Approx. 24-hr Project Capacity to meet WQ WA Needs | |
| Strategies | Action(s) | | Who Should be Involved |
| 1.1 Prioritize high performance Projects and Programs in areas with the highest pollutant loads | 1.1.1 Implement Projects where stormwater runoff is not currently managed by an existing stormwater capture Project or major capture facility by referencing the <i>Opportunity to Improve Water Quality and Increase Water Supply</i> composite layer. | NEAR TERM | WASCs, Municipalities, Project & Program proponents |
| | 1.1.2 Prioritize wet-weather Projects for a total estimated 24-hour Project capacity of approx. 1,020 ac-ft , and which are located in areas with the highest average annual load reduction opportunity for zinc, total phosphorous, and bacteria. Reference the <i>Opportunity to Improve Water Quality</i> layer. | NEAR TERM | WASCs, Municipalities, Project proponents |
| | 1.1.3 Invest in research to evaluate and standardize the quantification of bacteria, total DDT, total PCBs, and trash in managed and unmanaged stormwater runoff. | NEAR TERM | Public Works |
| | 1.1.4 Support Municipalities in implementing small-scale and distributed Projects and encourage Municipalities to bundle multiple small Projects into larger funding applications where appropriate to maximize cost-efficiency. | NEAR TERM | Public Works, Municipalities |
| | 1.1.5 Select a combination of regional Projects with distributed surface capture Projects, such as green streets. | LONG TERM | WASCs, Municipalities, Project proponents |
| | 1.1.6 Address knowledge gaps pertaining to BMP treatment effectiveness and new treatment technologies through Scientific Studies to bolster Project effectiveness. | LONG TERM | Public Works, Scientific Study proponents |
| | 1.1.7 Select and integrate post-construction monitoring metrics into Project reporting to support consistent evaluation and tracking of Project post-construction performance. | NEAR TERM | Public Works |
| 1.2 Identify and prioritize priority MS4 outfalls for Project and Program implementation** | 1.2.1 Establish an approach for using regional water quality monitoring data collected through MS4 Programs to assess trends with regards to hydrology and water quality. | NEAR TERM | Public Works |
| | 1.2.2 Build from the SCW Program Scientific Study <i>Load Reduction Strategy Adaptation to Address the LA River Bacteria TMDL for the Upper Los Angeles River Watershed Management Group</i> and Coordinated Integrated Monitoring Programs to identify priority MS4 outfalls for Project and Program implementation. Although this Scientific Study was not originally funded in the USGR WA, its findings may serve as a valuable reference to inform a Scientific Study specific to the USGR WA. | NEAR TERM | Public Works, Scientific Study proponents |

**USGR WASC Priority Strategy based on engagement

Opportunities Help Maximize Return on Investments by SCW Program

- Opportunities are mapping layers generated for each WA and Municipality to support Project selection



Q&A - Part 1

Please use the chat to ask questions regarding the methodology for Baselines, Targets, Strategies, Actions, Opportunities within Watershed Planning.

Questions and answers will also be distributed following the information session.

Part 2: Technical Session Objectives

- Highlighting key sections from Initial Watershed Plans to:
 - Identify meaningful **opportunities** for multi-benefit investments to advance SCWP Goals within each of the unique SCWP Watershed Areas.
 - Articulate **targets** (desired outcomes), as well as **strategies and actions**, to plan for, achieve, and track progress towards those targets.
- Three Watershed Area examples for each major benefit objective (Water Quality, Water Supply, CIB)
- Technical Session will detail how Indicators/Targets and Opportunities are developed



WATER QUALITY BENEFITS

Planning Theme: Improve Water Quality

Improve Water Quality

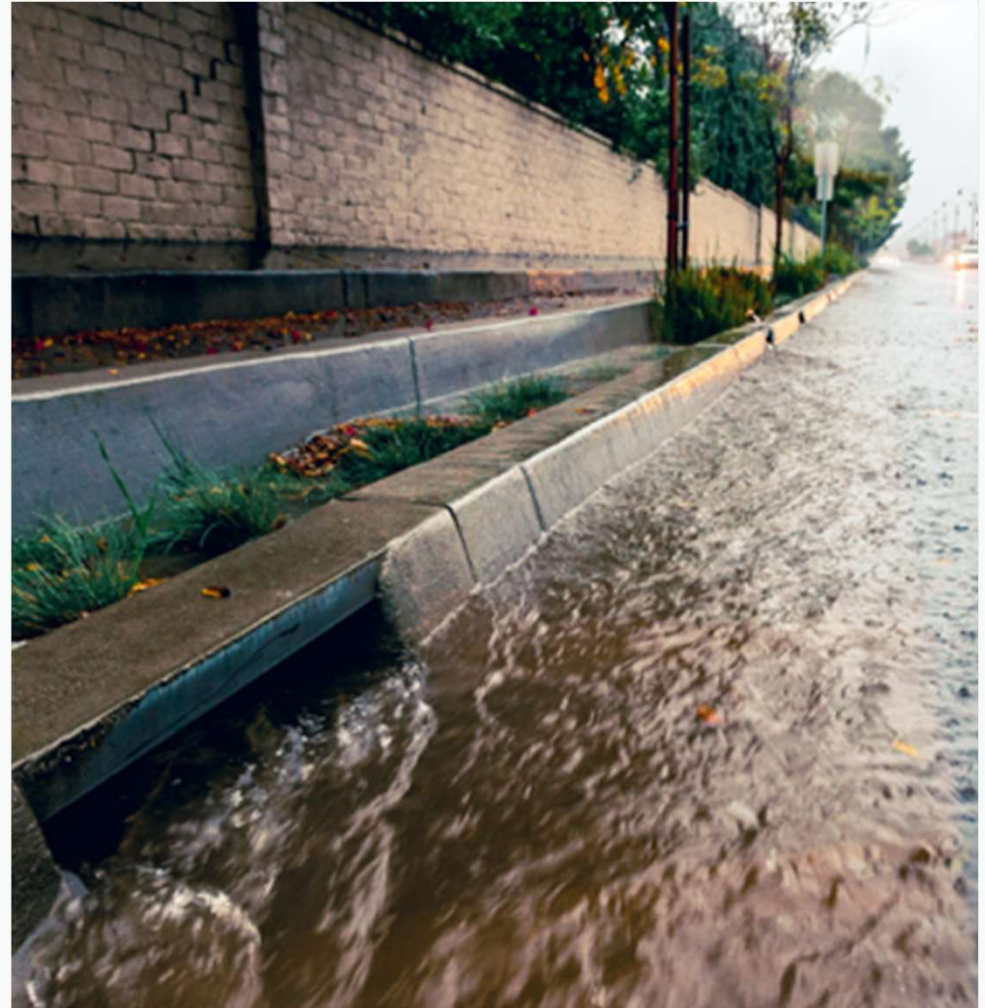
A SCW Program Goal (18.04.A)
Improve water quality and contribute to attainment of water-quality requirements.

Los Angeles County Flood Control District Code Chapter 16

16.05.D....Projects implemented through the Municipal Program **shall include a Water Quality Benefit**. Multi-Benefit Projects and Nature-Based Solutions are strongly encouraged.

16.05.D.1... Infrastructure Program. This program **shall implement Multi-Benefit watershed-based Projects that have a Water Quality Benefit**, as well as, either a Water Supply Benefit or Community Investment Benefit, or both. Infrastructure Program funds

Every Multi-Benefit Opportunity Area includes Water Quality Benefit



Improve Water Quality: Limiting Pollutant Indicators

Table H-8 Load reduction target references and methods

| Indicator | Pollutant varies by Watershed (pounds or other loading unit/yr) [time horizon per WMPs] |
|---|--|
| Key Efforts & Countywide Targets Referenced | <ul style="list-style-type: none"> WMPs Plans (LINK) Gateway Area Pathfinding Analysis <ul style="list-style-type: none"> "Focusing decisions directly on pollutant reductions is the best way towards ensuring actions have the intended outcome of water quality improvement." Pre-Stormwater Investment Plan: A Platform for Watershed Science and Project Collaboration (ULAR WASC) SCW Program Metrics & Monitoring Study (MMS) (SCW Program; LINK) |
| WA Characteristic Data Source(s) | <ul style="list-style-type: none"> SCW Program MMS (SCW Program; LINK) WMMS2 (Public Works) & LACFCD; (LINK) |
| Methods & Considerations | <ul style="list-style-type: none"> The SCW Program Goal of improving water quality by zinc load reduction referenced existing known zinc load reduction to achieve benchmarks (lbs/yr) in WMMS2 multiply by the SCW Program % of WMP Implementation Cost |

Table H-3 Summary of limiting pollutants

| Watershed Area | WMP | Watershed Management Program (WMP) Limiting Pollutant(s) | Pollutants Considered for Initial Watershed Plan Indicators & Targets |
|----------------|-----------------------------------|--|---|
| CSMB | Ballona Creek | Zinc, Bacteria | Zinc ¹ , Bacteria |
| | Marina del Rey | Bacteria, Toxics (Zinc) | |
| | Santa Monica Bay J2/3 | Bacteria | |
| LLAR | Los Angeles River Upper Reach 2 | Bacteria (Los Angeles River), Zinc (Rio Hondo) | Zinc ¹ , Bacteria |
| | Lower Los Angeles River | Zinc | |
| LSGR | Alamitos Bay/Los Cerritos Channel | Zinc | Zinc ¹ , Bacteria |
| | Los Cerritos Channel | Zinc, Bacteria | |
| | Lower San Gabriel River | Zinc | |
| NSMB | Malibu Creek | Bacteria, Phosphorus | Total Phosphorus ¹ , Bacteria |
| | North Santa Monica Bay | Bacteria | |
| RH | Upper Los Angeles River | Zinc, Bacteria | Zinc ¹ , Total Phosphorus, Bacteria |
| | Rio Hondo/San Gabriel River | Zinc | |
| SCR | Upper Santa Clara River | Bacteria | Bacteria |
| SSMB | Beach Cities | Bacteria (Santa Monica Bay), Zinc (Dominguez Channel) | Zinc ¹ , Total Phosphorus, Bacteria |
| | Dominguez Channel | Zinc, Bacteria | |
| | Palo Verdes Peninsula | Bacteria, Phosphorus, Copper | |
| | Santa Monica Bay Jurisdiction 7 | Bacteria, PCBs/DDT, Debris & Plastic Pellets | |
| ULAR | Upper Los Angeles River | Zinc, Bacteria | Zinc ¹ , Total Phosphorus, Bacteria |
| USGR | Rio Hondo/San Gabriel River | Zinc | Zinc ¹ , Total Phosphorus, Bacteria |

¹ MMS identified potential representative limiting pollutant for the WA.

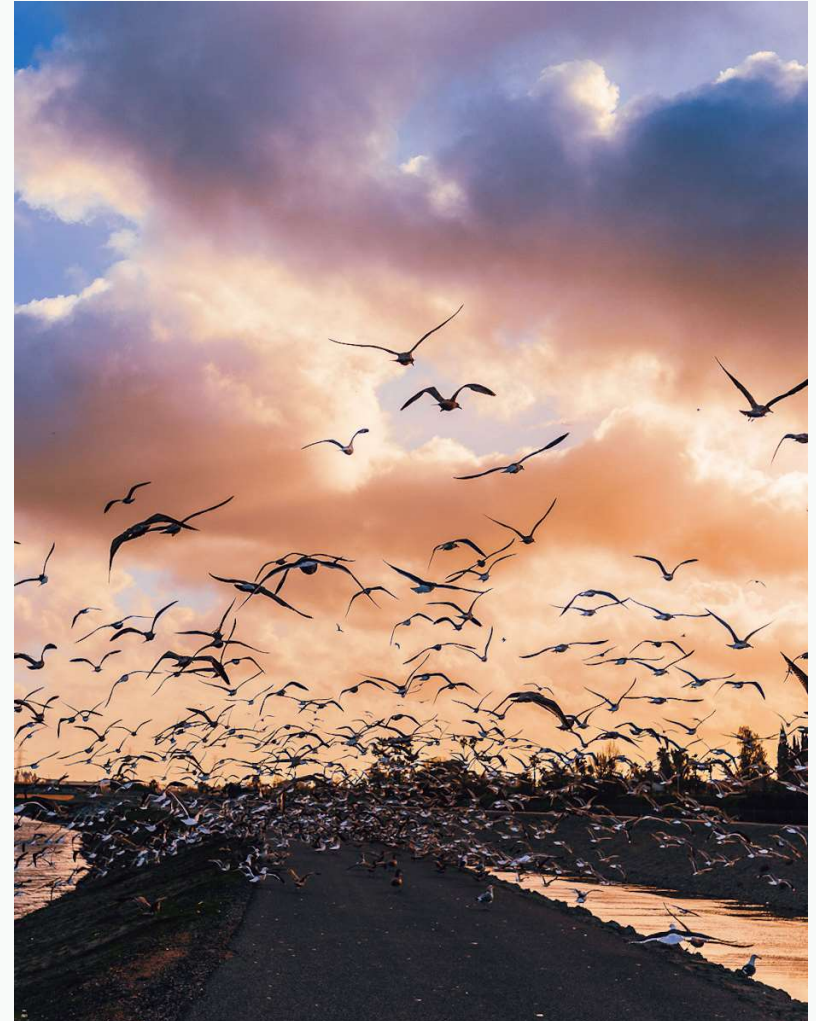
$$SCW \text{ Program } \% \text{ of WMP Implementation Cost} = \frac{Est. Total Tax Collection 2020 - 2038}{WMP Implementation Cost}$$

$$Target = (SCW \text{ Program } \% \text{ of WMP Implementation Cost}) \times (\text{Load Reduction to Achieve Benchmark})$$

***Refer to Appendix H for more details**

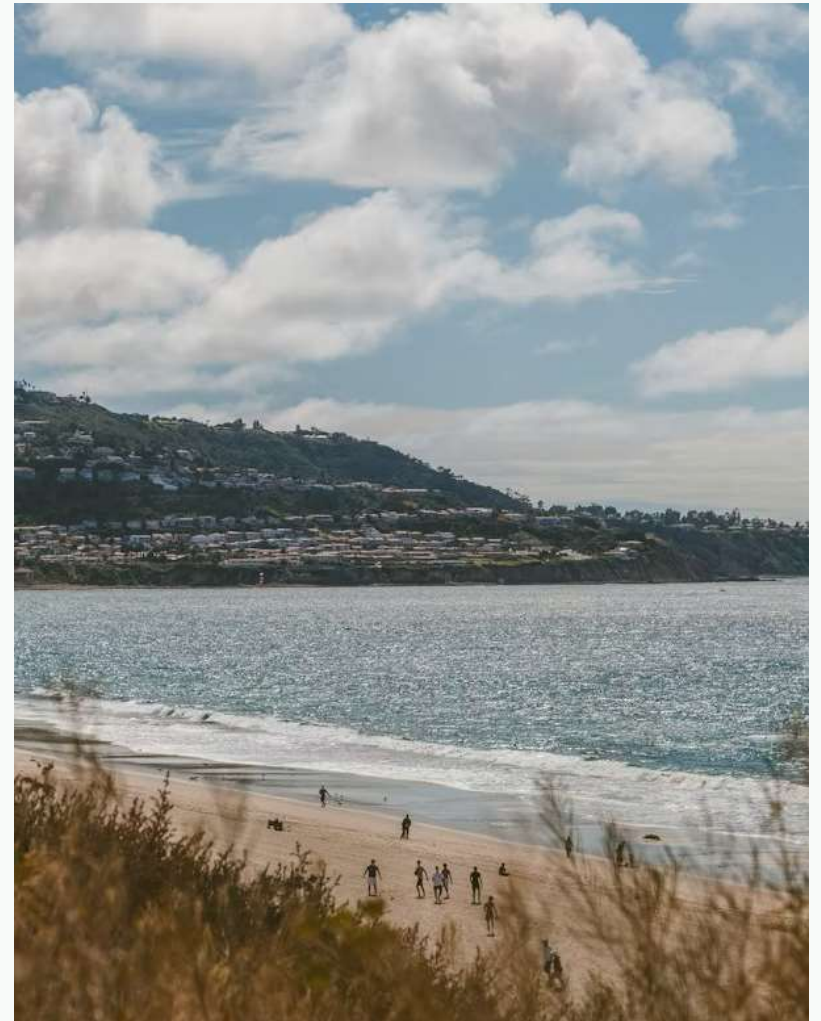
Improve Water Quality: RH

- Urban runoff from densely developed urban areas, intensive commercial and industrial land uses and channelized drainage networks convey elevated concentrations of pollutants into receiving waters such as the Rio Hondo, Eaton Wash, Los Angeles River and ultimately the Pacific Ocean, contributing to recurring water quality impairments.
- Priority Pollutants:
Zinc, Total Phosphorus, and Bacteria



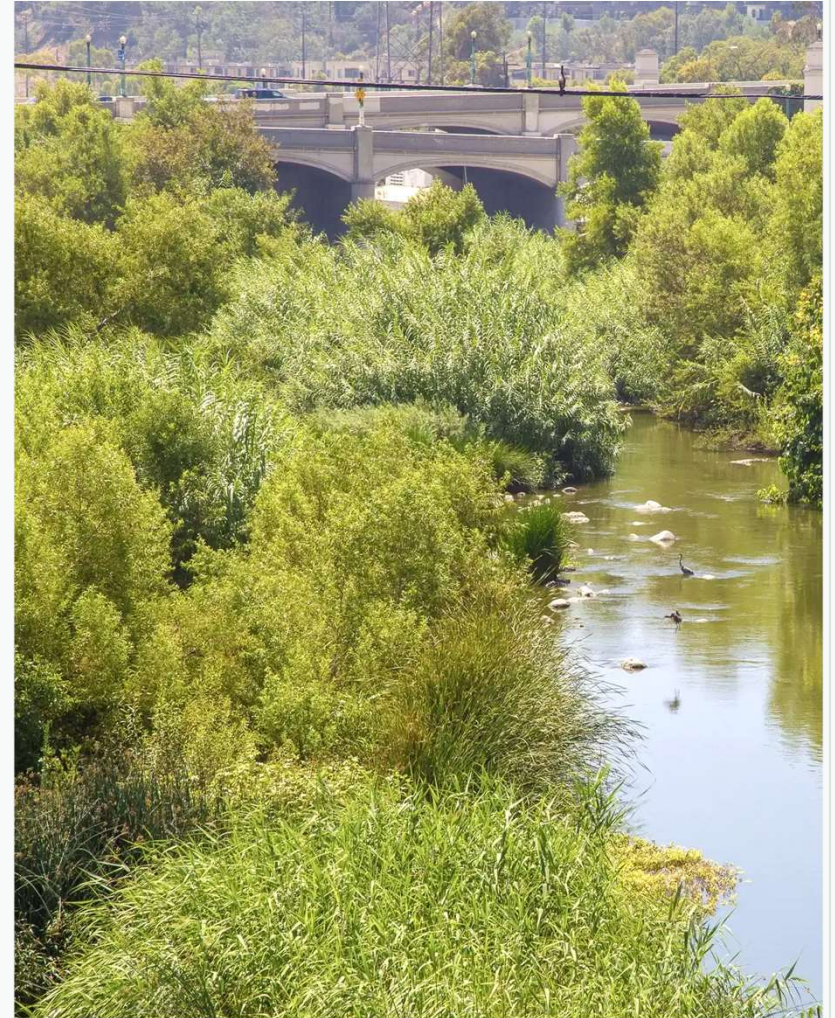
Improve Water Quality: SSMB

- Urban runoff from densely developed inland areas and channelized drainage networks convey elevated concentrations of pollutants into receiving waters contributing to recurring water quality impairments and beach closures.
- Priority Pollutants:
Zinc, Total Phosphorus, and Bacteria



Improve Water Quality: ULAR

- Large mountains in the northern watershed and dense urbanization that predominates the southern watershed have exacerbated pollutant loadings within the ULAR WA.
- Urban runoff frequently conveys elevated concentrations of pollutants including metals, bacteria, and legacy contaminants into the Los Angeles River and its tributaries.
- Priority Pollutants:
Zinc, Total Phosphorus, and Bacteria



Improve Water Quality: Baselines & Forecasts

Table H-4 Improve Water Quality Indicator baselines and forecasts

| Watershed Area | Improve Water Quality (Goal A) | | | |
|----------------|--|---------------|--|---------------|
| | Source: WMMS2 model (nesting considered) | | | |
| | Zinc Load Reduction (lbs/yr) | | Total Phosphorus Load Reduction (lbs/yr) | |
| | Baseline | 2038 Forecast | Baseline | 2038 Forecast |
| RH | 623 | 1,237 | 961 | 1,927 |
| SSMB | 3,967 | 15,844 | 6,427 | 25,649 |
| ULAR | 3,442 | 5,820 | 5,485 | 9,024 |

¹ Bacteria is not included among the pollutants modeled in the WMMS2 model.

*Refer to Appendix H for more details

Improve Water Quality: Targets - Zinc

$$\text{SCW Program \% of WMP Implementation Cost} = \frac{\text{Est. Total Tax Collection 2020 - 2038}}{\text{WMP Implementation Cost}}$$

$$\text{Target} = (\text{SCW Program \% of WMP Implementation Cost}) \times (\text{Load Reduction to Achieve Benchmark})$$

Table H-9 Zinc load reduction WA characteristics and targets

| Watershed Area | WA Characteristics | | | | Targets |
|----------------|-------------------------------|---|--|---|------------------------------|
| | Source: WMPs | Source: SCW Program Tax Collection Reports, MMS | C = B / A | Source: WMMS2 | E = C x D |
| | A | B | C | D | E |
| | WMP Implementation Cost (\$)¹ | Est. Total Tax Collection (2020 - 2038)² (\$) | SCW Program % of WMP Implementation Cost | Zinc Load Reduction to Achieve Benchmark (lbs/yr) | Zinc Load Reduction (lbs/yr) |
| RH | \$1B | \$279M | 28% | 9,775 | 2,737 |
| SSMB | \$1.1B | \$426M | 38% | 23,738 | 9,020 |
| ULAR | \$4.7B | \$933M | 20% | 41,331 | 8,266 |

Note: Values shown are unrounded and were derived from the technical analysis described by the methods. Final WA and SCW Program targets were rounded.

¹ WMP implementation costs were factored for inflation out to their target year. These values were not brought to a different base year given that all the referenced WMPs were developed in the last ~5 years. WMP implementation costs are sourced from each respective 2021 WMP implementation plan. Where WA boundaries do not align with WMP boundaries, costs are adjusted using area-weighted allocations.

² Using a 2020 base and an inflation rate of 4.35% (source: MMS).

***Refer to Appendix H for more details**

Improve Water Quality: Targets - Phosphorus

$$\text{SCW Program \% of WMP Implementation Cost} = \frac{\text{Est. Total Tax Collection 2020 - 2038}}{\text{WMP Implementation Cost}}$$

$$\text{Target} = (\text{SCW Program \% of WMP Implementation Cost}) \times (\text{Load Reduction to Achieve Benchmark})$$

Table H-10 Total phosphorus load reduction WA characteristics and targets

| Watershed Area | WA Characteristics | | Targets |
|----------------|--|---|--|
| | See Table H-9 above | Source: WMMS2 | C = A x B |
| | A | B | C |
| | SCW Program % of WMP Implementation Cost (%) | Total Phosphorus Load Reduction to Achieve Benchmark (lbs/yr) | Total Phosphorus Load Reduction (lbs/yr) |
| RH | 28% | 21,538 | 6030.64 |
| SSMB | 38% | 29,179 | 11088.02 |
| ULAR | 20% | 101,640 | 20328 |

Note: Values shown are unrounded and were derived from the technical analysis described by the methods. Final WA and SCW Program targets were rounded.

***Refer to Appendix H for more details**

Improve Water Quality: Interim Targets

Table H-11. *Improve Water Quality* interim targets

| Watershed Area | Improve Water Quality (Goal A) WA Interim Targets | | | | | |
|----------------|---|-------|--------|--|--------|--------|
| | Zinc Load Reduction (lbs/yr) | | | Total Phosphorus Load Reduction (lbs/yr) | | |
| | Baseline | 2032 | 2038 | Baseline | 2032 | 2038 |
| RH | 600 | 1,300 | 2,000 | 500 | 7,600 | 22,000 |
| SSMB | 4,000 | 5,700 | 17,600 | 3,300 | 11,800 | 29,000 |
| ULAR | 3,400 | 5,000 | 7,400 | 2,200 | 8,100 | 20,000 |

1: Bacteria is not included among the pollutants modeled in the WMMS2 model.

[*Refer to Appendix H for more details](#)

Improve Water Quality: Needs

Table H-12. WA Needs to *Improve Water Quality* Indicators

| Watershed Area | Improve Water Quality (<i>Goal A</i>) WA Needs | |
|----------------|--|--|
| | Zinc Load Reduction (lbs/yr) | Total Phosphorus Load Reduction (lbs/yr) |
| RH | 2,200 | 21,000 |
| SSMB | 5,200 | 22,600 |
| ULAR | 4,900 | 14,500 |

¹ Bacteria is not included among the pollutants modeled in the WMMS2 model.

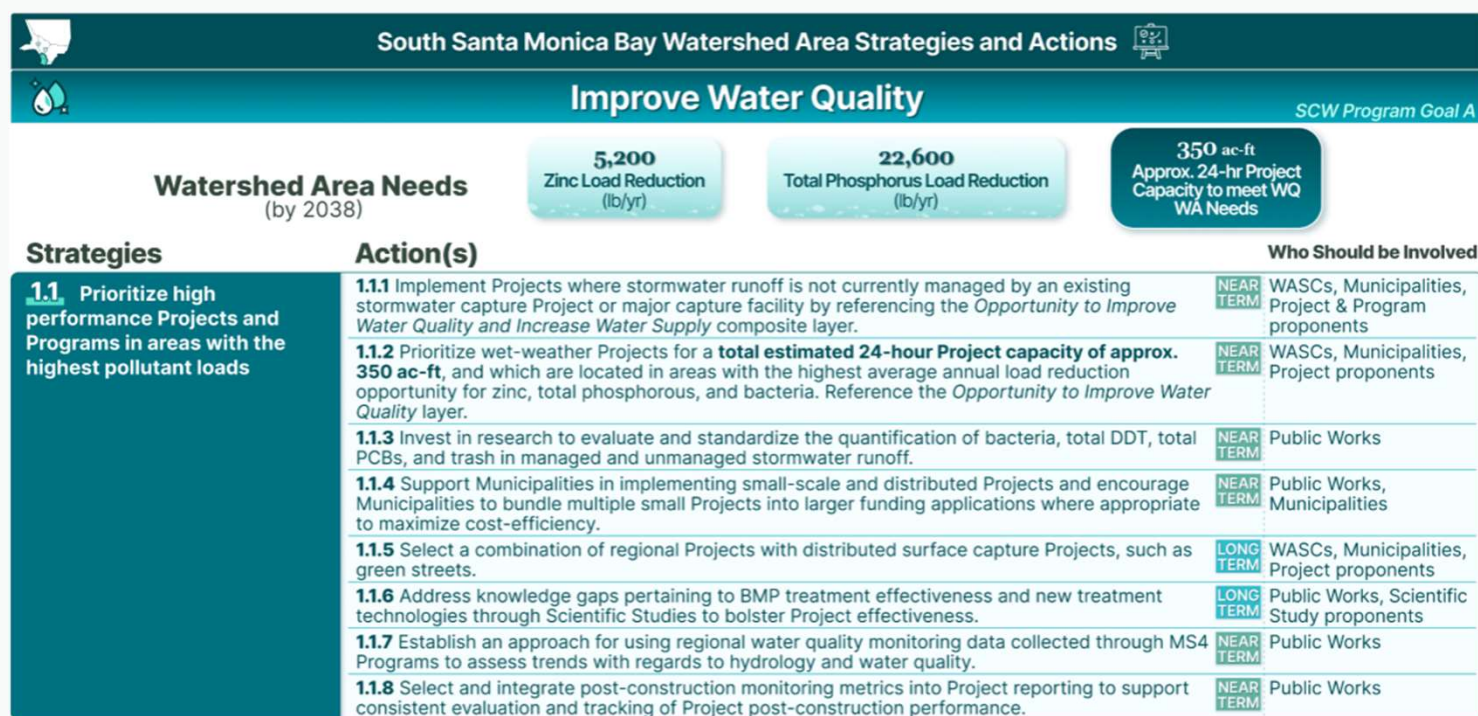
***Refer to Appendix H for more details**

Improve Water Quality: RH Strategies

Water Quality Benefit

| Rio Hondo Watershed Area Strategies and Actions | | | |
|---|--|---|--|
| Improve Water Quality | | | |
| Watershed Area Needs (by 2038) | | 2,200 Zinc Load Reduction (lb/yr) | 21,000 Total Phosphorus Load Reduction (lb/yr) |
| | | 200 ac-ft Approx. 24-hr Project Capacity to meet WQ WA Needs | |
| Strategies | Action(s) | Who Should be Involved | |
| 1.1 Prioritize high performance Projects and Programs in areas with the highest pollutant loads | 1.1.1 Implement Projects where stormwater runoff is not currently managed by an existing stormwater capture Project or major capture facility by referencing the <i>Opportunity to Improve Water Quality and Increase Water Supply</i> composite layer. | NEAR TERM | WASCs, Municipalities, Project & Program proponents |
| | 1.1.2 Prioritize wet-weather Projects for a total estimated 24-hour Project capacity of approx. 200 ac-ft , and which are located in areas with the highest average annual load reduction opportunity for zinc and bacteria. Reference the <i>Opportunity to Improve Water Quality</i> layer. | NEAR TERM | WASCs, Municipalities, Project proponents |
| | 1.1.3 Invest in research to evaluate and standardize the quantification of bacteria, total DDT, total PCBs, and trash in managed and unmanaged stormwater runoff. | NEAR TERM | Public Works |
| | 1.1.4 Consider the stormwater Project opportunities presented in the SCW Program Scientific Study preSIP dashboard to guide Project implementation; see the <i>Stormwater Project opportunities in the Upper Los Angeles River Watershed</i> opportunity for a direct link to the dashboard. | NEAR TERM | WASCs, Municipalities, Project & Program proponents |
| | 1.1.5 Consider the priority catchments for bacteria load reduction presented in the SCW Program Scientific Study <i>Load Reduction Strategy Adaptation</i> dashboard to guide the implementation of wet- and dry-weather Projects; see the <i>Opportunity to reduce bacteria loads by implementing Projects in priority catchments</i> opportunity for a direct link to the dashboard. | NEAR TERM | WASCs, Municipalities, Project & Program proponents |
| | 1.1.6 Support Municipalities in implementing small-scale and distributed Projects and encourage Municipalities to bundle multiple small Projects into larger funding applications where appropriate to maximize cost-efficiency. | NEAR TERM | Public Works, Municipalities |
| | 1.1.7 Implement a combination of regional Projects with distributed surface capture Projects, such as green streets. | LONG TERM | WASCs, Municipalities |
| | 1.1.8 Address knowledge gaps pertaining to BMP treatment effectiveness and new treatment technologies through Scientific Studies to bolster Project effectiveness. | LONG TERM | Public Works, Scientific Study proponents |
| | 1.1.9 Establish an approach for using regional water quality monitoring data collected through MS4 Programs to assess trends with regards to hydrology and water quality. | NEAR TERM | Public Works |
| | 1.1.10 Select and integrate post-construction monitoring metrics into Project reporting to support consistent evaluation and tracking of Project post-construction performance. | NEAR TERM | Public Works |
| Rio Hondo Watershed Area Strategies and Actions | | | |
| Improve Water Quality | | | |
| | | SCW Program Goal A | |
| Strategies | Action(s) | Who Should be Involved | |
| 1.2 Improve water quality and mitigate post-fire runoff through targeted Nature-Based Solutions | 1.2.1 Implement small-scale, distributed nature-based Projects—such as riparian restoration, native vegetation reestablishment, vegetated buffers, and sediment control features—that reduce sediment and pollutant loads, stabilize soils, and support ecological resilience. | NEAR TERM | WASCs, Municipalities, Project & Program proponents |
| | 1.2.2 Stabilize slopes and streambanks in priority runoff areas (including post-fire landscapes) with erosion control measures (e.g., native revegetation, mulch, wattles) to minimize sediment transport and protect downstream water quality. | NEAR TERM | Public Works, Municipalities |
| | 1.2.3 Implement dry-weather, low impact development Projects that capture and treat urban runoff through localized infiltration, reducing pollutants at the source, maintaining year-round soil moisture to support vegetation health, and helping reduce fire risk and post-fire sediment mobilization. | NEAR TERM | WASCs, Municipalities, Project & Program proponents |

Improve Water Quality: SSMB Strategies



Improve Water Quality: ULAR Strategies

| Upper Los Angeles River Watershed Area Strategies and Actions | | | |
|---|--|---|--|
| Improve Water Quality | | | |
| Watershed Area Needs (by 2038) | | 4,900 Zinc Load Reduction (lb/yr) | 14,500 Total Phosphorus Load Reduction (lb/yr) |
| | | 680 ac-ft Approx. 24-hr Project Capacity to meet WQ WA Needs | |
| Strategies | Action(s) | Who Should be Involved | |
| 1.1 Prioritize high performance Projects and Programs in areas with the highest pollutant loads | 1.1.1 Implement Projects where stormwater runoff is not currently managed by an existing stormwater capture Project or major capture facility by referencing the <i>Opportunity to Improve Water Quality and Increase Water Supply</i> composite layer. | NEAR TERM | WASCs, Municipalities, Project & Program proponents |
| | 1.1.2 Prioritize wet-weather Projects for a total estimated 24-hour Project capacity of approx. 680 ac-ft, and which are located in areas with the highest average annual load reduction opportunity for zinc, total phosphorus, and bacteria. Reference the <i>Opportunity to Improve Water Quality</i> layer. | NEAR TERM | WASCs, Municipalities, Project proponents |
| | 1.1.3 Invest in research to evaluate and standardize the quantification of bacteria, total DDT, total PCBs, and trash in managed and unmanaged stormwater runoff. | NEAR TERM | Public Works |
| | 1.1.4 Consider the stormwater Project opportunities presented in the SCW Program Scientific Study preSIP dashboard to guide Project implementation; see the <i>Stormwater Project opportunities in the Upper Los Angeles River Watershed</i> opportunity for a direct link to the dashboard. | NEAR TERM | WASCs, Municipalities, Project & Program proponents |
| | 1.1.5 Consider the priority catchments for bacteria load reduction presented in the SCW Program Scientific Study <i>Load Reduction Strategy Adaptation dashboard</i> to guide the implementation of wet- and dry-weather Projects; see the <i>Opportunity to reduce bacteria loads by implementing Projects in priority catchments</i> opportunity for a direct link to the dashboard. | NEAR TERM | WASCs, Municipalities, Project & Program proponents |
| | 1.1.6 Support Municipalities in implementing small-scale and distributed Projects and encourage Municipalities to bundle multiple small Projects into larger funding applications where appropriate to maximize cost-efficiency. | NEAR TERM | Public Works, Municipalities |
| | 1.1.7 Select a combination of regional Projects with distributed surface capture Projects, such as green streets. | LONG TERM | WASCs, Municipalities |
| | 1.1.8 Address knowledge gaps pertaining to BMP treatment effectiveness and new treatment technologies through Scientific Studies to bolster Project effectiveness. | LONG TERM | Public Works, Scientific Study proponents |
| | 1.1.9 Establish an approach for using regional water quality monitoring data collected through MS4 Programs to assess trends with regards to hydrology and water quality. | NEAR TERM | Public Works |
| | 1.1.10 Select and integrate post-construction monitoring metrics into Project reporting to support consistent evaluation and tracking of Project post-construction performance. | NEAR TERM | Public Works |
| Upper Los Angeles River Watershed Area Strategies and Actions | | | |
| Improve Water Quality | | | |
| SCW Program Goal A | | | |
| Strategies | Action(s) | Who Should be Involved | |
| 1.2 Improve water quality and mitigate post-fire runoff through targeted Nature-Based Solutions | 1.2.1 Implement small-scale, distributed nature-based Projects—such as riparian restoration, native vegetation reestablishment, vegetated buffers, and sediment control features—that reduce sediment and pollutant loads, stabilize soils, and support ecological resilience. | NEAR TERM | WASCs, Municipalities, Project & Program proponents |
| | 1.2.2 Stabilize slopes and streambanks in priority runoff areas (including post-fire landscapes) with erosion control measures (e.g., native revegetation, mulch, wattles) to minimize sediment transport and protect downstream water quality. | NEAR TERM | Public Works, Municipalities |
| | 1.2.3 Implement dry-weather, low impact development Projects that capture and treat urban runoff through localized infiltration, reducing pollutants at the source, maintaining year-round soil moisture to support vegetation health, and helping reduce fire risk and post-fire sediment mobilization. | NEAR TERM | WASCs, Municipalities, Project & Program proponents |

Improve Water Quality: Opportunities

Pollutant Load Reduction Opportunity

Table I-1. Pollutant Load Reduction opportunity data sources and analysis

| Data Source(s) | Key Attributes | Opportunity Analysis & Considerations |
|-----------------------------------|---|---|
| WMMS2 | Pollutant load and runoff volume (10-year continuous modeled timeseries for water year 2014 through 2023) | <ul style="list-style-type: none"> Pollutant load and runoff volume outputs from WMMS2 were area-weighted across each subwatershed by dividing the total load and runoff values by the respective subwatershed area, resulting in pollutant yield and runoff yield expressed per unit area (i.e., lbs/acre). Next, capture areas of funded wet-weather SCW Program Projects were removed from consideration. This was completed to emphasize subwatersheds with high pollutant loads or runoff that do not have a downstream Project. Lastly, percentile classifications were calculated based on the remaining subwatersheds (see Table I-2). |
| SCW Program Project capture areas | Project type: Wet-weather | |

Table I-2. Classification criteria for Pollutant Load Reduction opportunity

| Opportunity | Classification Description |
|-------------|--|
| High | 75 th Percentile to 85 th Percentile |
| Higher | 85 th Percentile to 95 th Percentile |
| Highest | >95 th Percentile |

Opportunity to 'Improve Water Quality'

Table I-3. Scoring method example for the Improve Water Quality opportunity for three subwatersheds

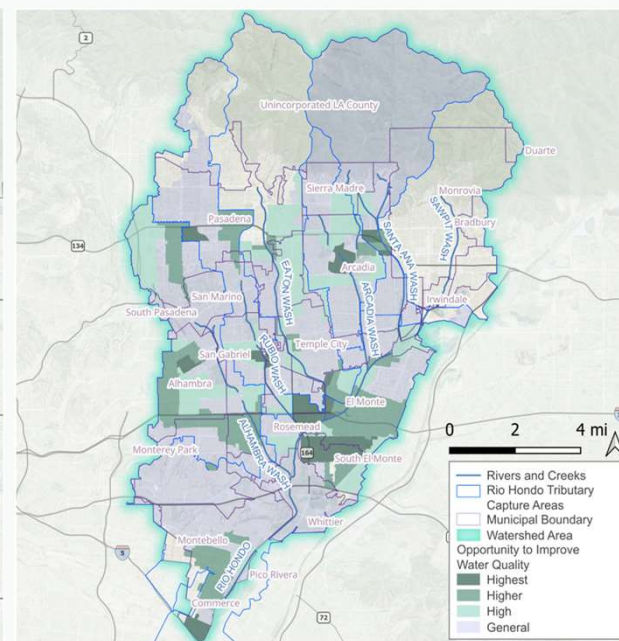
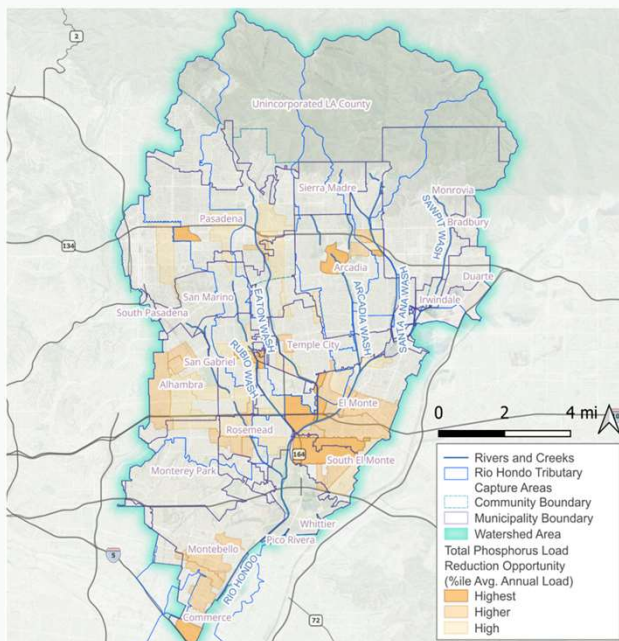
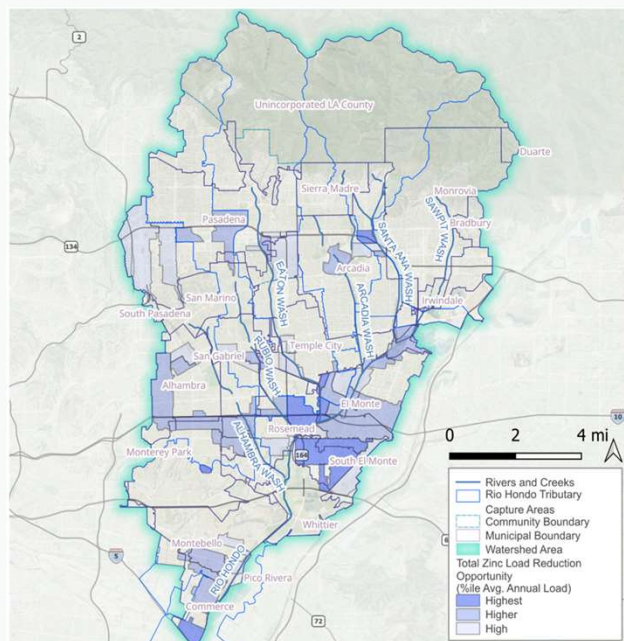
| A | B | C | D=A+B+C | E=C x 1 |
|-------------|-------------|------------------|-------------|----------------------------|
| Zinc | Bacteria | Total Phosphorus | Total Score | Final Score (Indexed to 9) |
| 3 (Highest) | 3 (Highest) | 0 (Limited) | 6 | 6 |
| 1 (High) | 2 (Higher) | 0 (Limited) | 3 | 3 |
| 0 (Limited) | 1 (High) | 0 (Limited) | 1 | 1 |

Table I-4. Classification criteria for Improve Water Quality opportunity

| Opportunity | Final Score (Indexed to 9) |
|-------------|----------------------------|
| High | 0 to 3 |
| Higher | >3 to 6 |
| Highest | >6 to 9 |

*Refer to Appendix I for more details

Improve Water Quality: RH Opportunities



Improve Water Quality: SSMB Opportunities

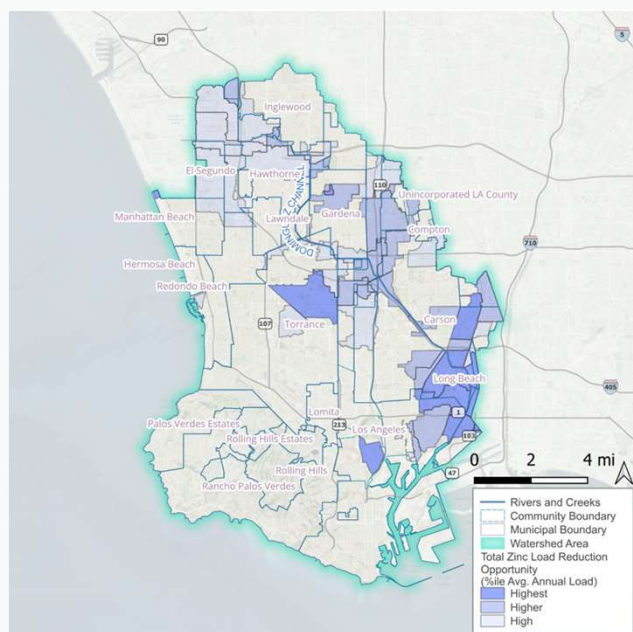


Figure I-2. Pollutant Load Reduction Opportunity for zinc

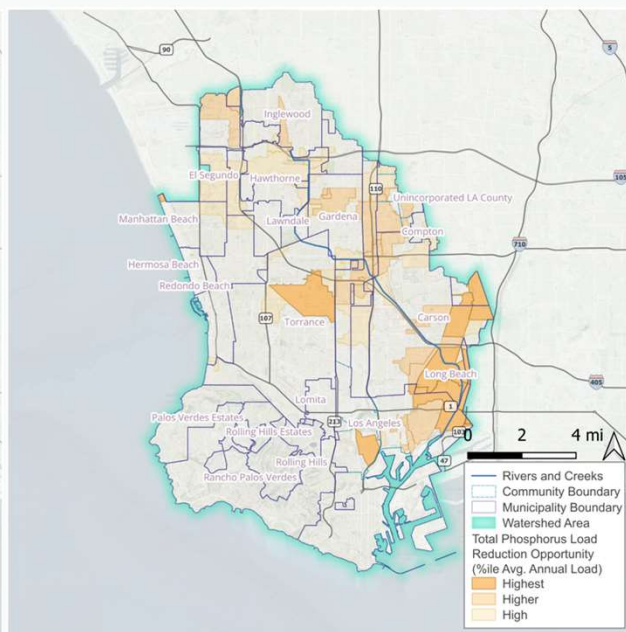


Figure I-3. Pollutant Load Reduction Opportunity for total phosphorus

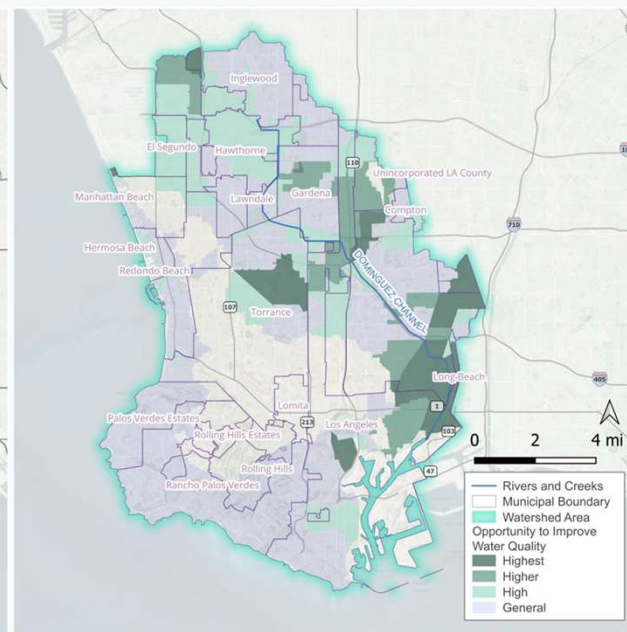
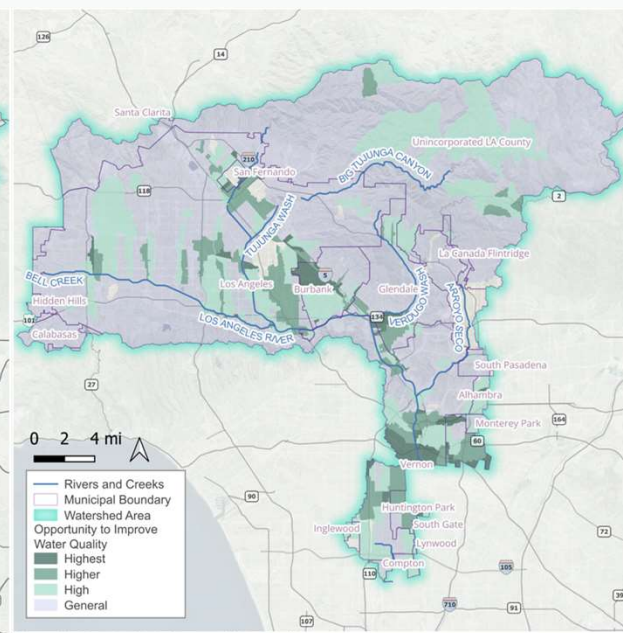
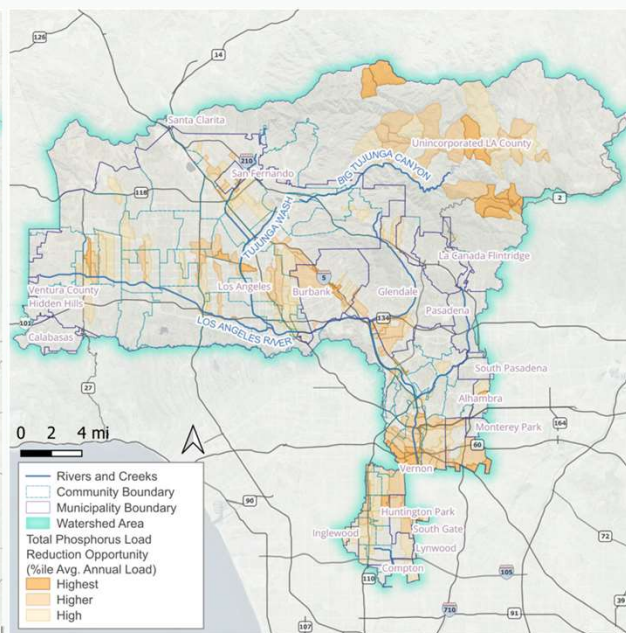
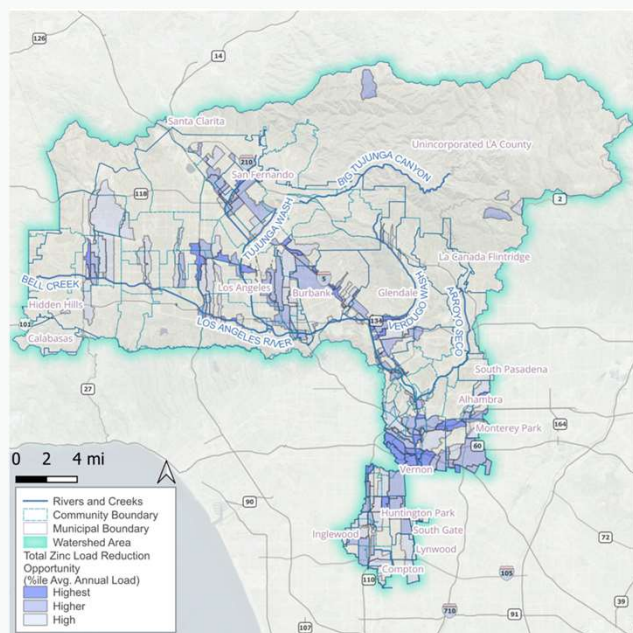


Figure I-4. Opportunity to Improve Water Quality

Improve Water Quality: ULAR Opportunities



WATER SUPPLY BENEFITS

Planning Theme: Increase Drought Preparedness (Water Supply)

B SCW Program Goal (18.04.B)
Increase drought preparedness by capturing more Stormwater and/or Urban Runoff to store, clean, reuse, and/or recharge groundwater basins.

What Counts as New Locally Available Water Supply?

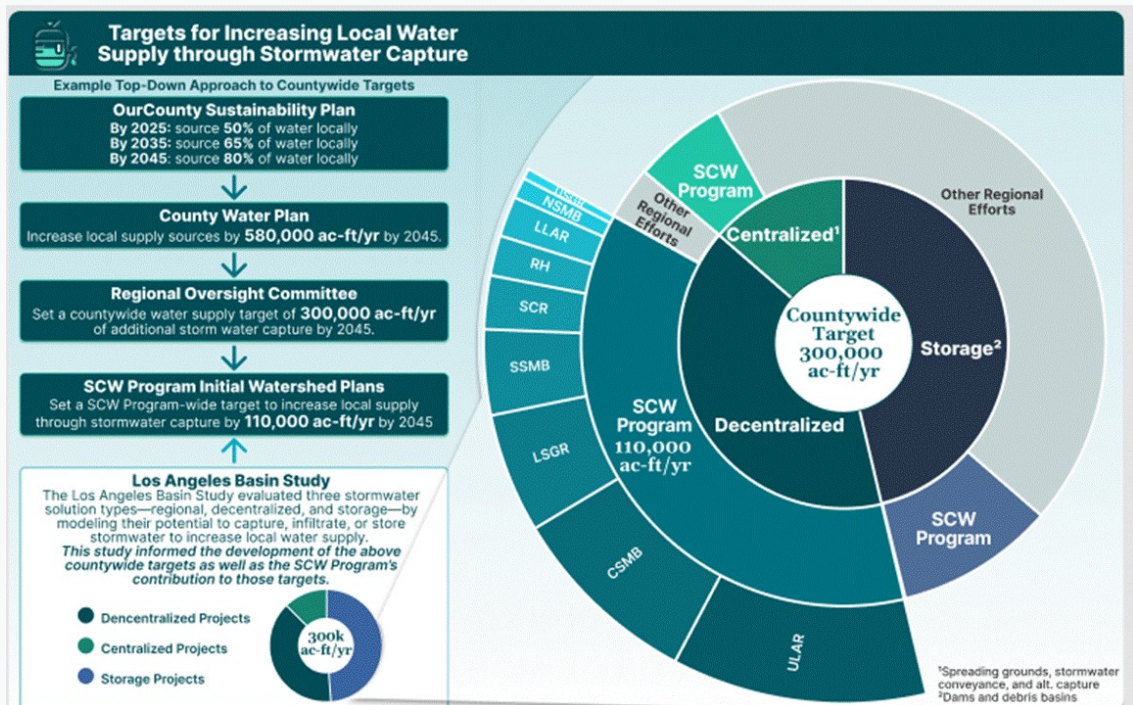
Per the 2025 SCW Program Interim Guidance, the following fates of captured water count as new locally available water supply and a Water Supply Benefit (claims to be confirmed through modeling, geotechnical analysis, and/or engagement):

- **Net water used onsite for potable offset** (not including offset of Project-created water supply demand)
- Diverted to existing treatment/reuse plant
- Diverted to future planned treatment/reuse plant operational within 10 years with concurrence from treatment/reuse plant on timeline and capacity
- Infiltration to managed useable groundwater aquifers
- **Infiltration to unmanaged aquifer** with geotechnical analysis and/or community acknowledgement to confirm infiltration and use
- **Treated and discharged to storm drain or receiving water** when tributary to a downstream water recharge facility if the Project facilitates the recharge of water that would otherwise not be used to augment water supply.

The following do **NOT** count towards new locally available water supply but do provide Water Quality Benefits:

- **Water that would have already been captured downstream** by an existing water recharge facility (see adjustment factors in Watershed Planning Framework that can be used to prorate the *net* new local water supply when captured upstream from existing facilities) and
- Maintenance of existing capture/conservation infrastructure (i.e. sediment removal behind dams).

Environmental water does not count as locally available water supply nor a Water Quality Benefit unless analysis proves that discharging clean water to channels to support ecological functions will offset potable supplies. Environmental water may provide a Water Quality Benefit if site-specific studies demonstrate improvement in flow ecology.



Increase Drought Preparedness: Water Supply Indicators

- Increase Local Supply through Stormwater Capture (ac-ft/yr)
- Increase Local Supply through Groundwater Recharge and Storage (ac-ft/yr)

Table H-18. Increase local supply through stormwater capture (ac-ft/yr) target-setting references and methods

| Indicator | Increase Local Supply through Stormwater Capture (ac-ft/yr) |
|---|--|
| Key Efforts & Countywide Targets Referenced | <ul style="list-style-type: none"> • Los Angeles County Water Plan (2022) (Public Works; LINK) <ul style="list-style-type: none"> ○ Countywide target: Increase local supply sources by 580,000 ac-ft/yr by 2045 • ROC Biennial <ul style="list-style-type: none"> ○ Countywide target: Set a region wide water supply target of 300,000 acre-ft of additional storm water capture by 2045 • Los Angeles Basin Study (2014) • SCW Program MMS (SCW Program; LINK) • GLAC IRWMP (Public Works; LINK) • SCR IRWMP (Public Works; LINK) |

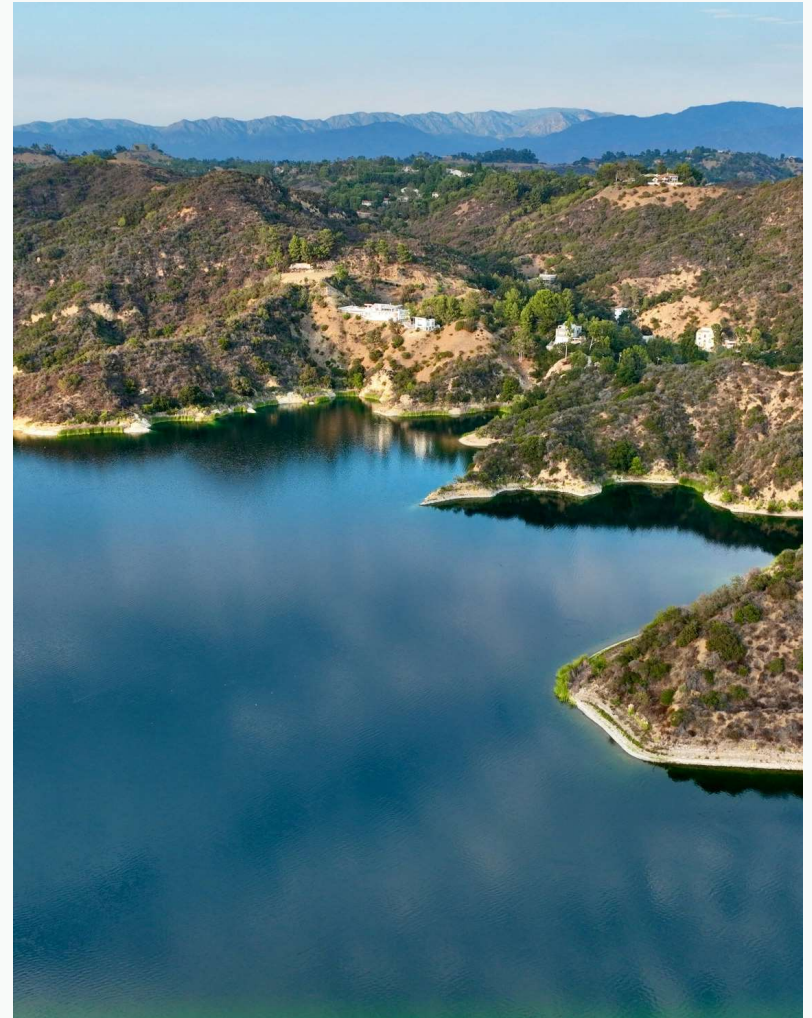
Table H-15. Increase local supply through groundwater recharge and storage (ac-ft/yr) target-setting references and methods

| Indicator | Increase Local Supply through Groundwater Recharge and Storage (ac-ft/yr) |
|---|---|
| Key Efforts & Countywide Targets Referenced | <ul style="list-style-type: none"> • Los Angeles County Water Plan (2022) (Public Works; LINK) <ul style="list-style-type: none"> ○ Countywide target: Increase groundwater recharge and storage by increasing decentralized infiltration by 80,000 ac-ft/yr ○ Countywide target: Increase local supply sources by 580,000 ac-ft/yr by 2045 • Regional Oversight Committee (ROC) Biennial <ul style="list-style-type: none"> ○ Countywide target: Set a region wide water supply target of 300,000 ac-ft/yr of additional storm water capture by 2045 • Los Angeles Basin Study (2014) • SCW Program MMS (SCW Program; LINK) • Greater Los Angeles County (GLAC) IRWMP (Public Works; LINK) • SCR IRWMP (Public Works; LINK) |

***Refer to Appendix H for more details**

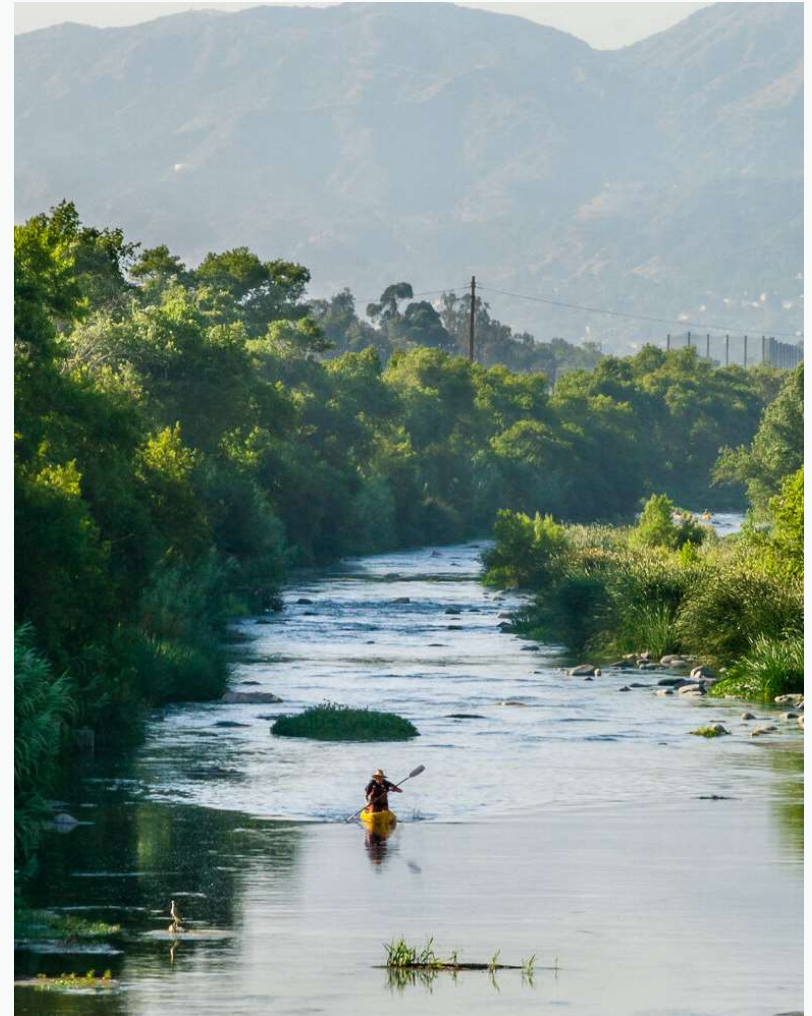
Increase Drought Preparedness: CSMB

- Densely concentrated impervious landscape (~44%) contribute to a large volume of stormwater runoff, where a significant portion of that volume remains untreated—presenting opportunities for additional stormwater capture and reuse Projects.
- Urbanization has led to dense concentrations of impervious surfaces and compacted soils which reduce infiltration capacity.



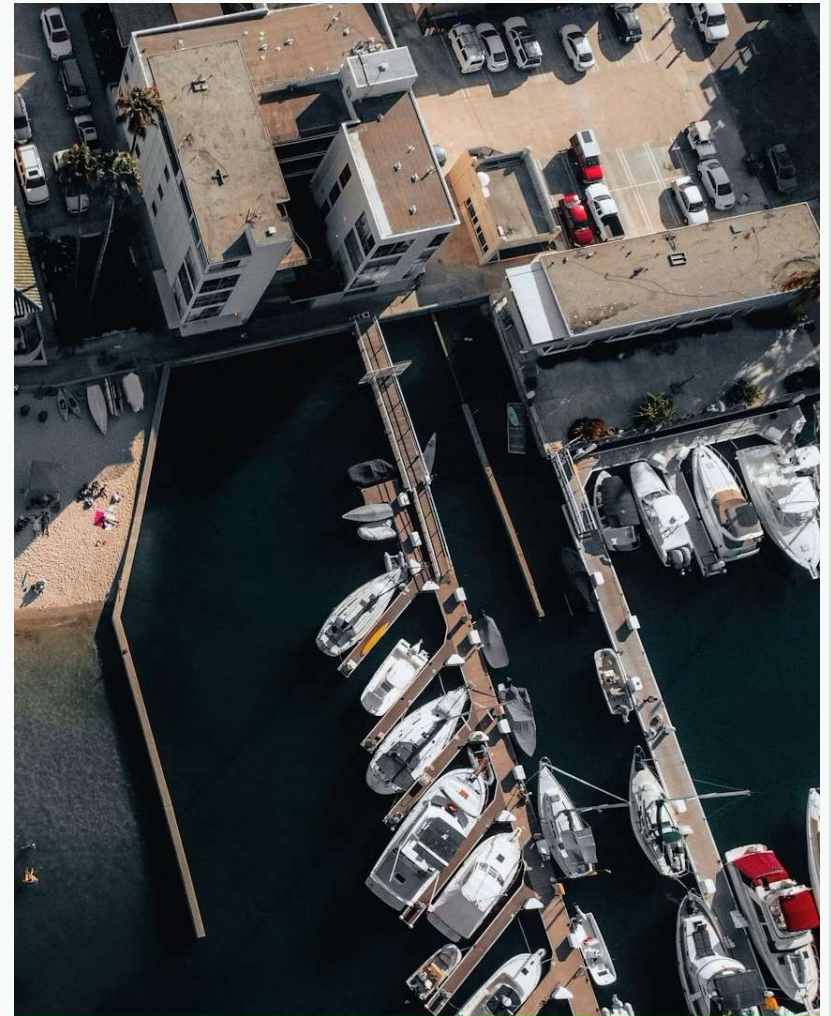
Increase Drought Preparedness: LLAR

- Urban density and extensive impervious surfaces have limited the WA's ability to naturally recharge its groundwater basins, meanwhile groundwater basins are increasingly stressed by over-extraction and water quality concerns.



Increase Drought Preparedness: **LSGR**

- The LSGR WA is comprised of dense urban and residential areas in the San Gabriel Valley and extensive riparian and woodland habitats in the north, producing varying opportunities for stormwater capture and infiltration to augment local supply.



Increase Drought Preparedness: Baselines & Forecasts

Table H-13 *Increase Drought Preparedness* baselines and forecasts

| Watershed Area | Increase Drought Preparedness (Goal B) | | | |
|----------------|---|---------------|---|---------------|
| | Source: WMMS2 model (nesting considered) | | | |
| | Increase Local Supply through Stormwater Capture (ac-ft/yr) | | Increase Local Supply through Groundwater Recharge and Storage (ac-ft/yr) | |
| | Baseline | 2045 Forecast | Baseline | 2045 Forecast |
| CSMB | 16,769 | 20,850 | 672 | 3,542 |
| LLAR | 3,170 | 5,803 | 546 | 2,589 |
| LSGR | 5,708 | 14,671 | 4,275 | 13,009 |

*Refer to Appendix H for more details

Increase Drought Preparedness: Targets - Increase Water Supply through Stormwater Capture (ac-ft/yr)

Increase Local Supply through Stormwater Capture (ac-ft/yr) =

$$(\text{SW Runoff Capture and GW Capture to meet Target}) + \frac{\sum (\text{SW Runoff Capture and GW Capture to meet Target}) \times (\text{Runoff Remaining to Capture for WS})}{\sum (\text{Runoff Remaining to Capture for WS})}$$

Table H-19 Average annual stormwater capture WA targets and supporting data

| Watershed Area | WA Characteristics | | Targets |
|----------------|---|---|---|
| | <i>Source: MMS, WRAMPS, Opti GLAC IRWM</i> | | $C = B + \sum (B) \times A / \sum (A)$ |
| | A | B | C |
| | Runoff Remaining to Capture for Water Supply (ac-ft/yr) | Stormwater Runoff Capture and Groundwater Capture to meet target (ac-ft/yr) | Increase Local Supply through Stormwater Capture (ac-ft/yr) |
| CSMB | 41,391 | 17,030 | 12393 |
| LLAR | 10,089 | 3,288 | 2456 |
| LSGR | 47,390 | 6,042 | 12070 |

Note: Values shown are unrounded and were derived from the technical analysis described by the methods. Final WA and SCW Program targets were rounded.

***Refer to Appendix H for more details**

Increase Drought Preparedness: Targets - Increase Water Supply through Groundwater Recharge and Storage (ac-ft/yr)

$$\text{Weighted Ratio of Average of Aquifer Area and Countable Runoff (\%)} = \frac{(\text{Runoff Remaining to Capture for WS})(\text{Unconfined Aquifer Area})}{\sum(\text{Runoff Remaining to Capture for WS})(\text{Unconfined Aquifer Area})}$$

Increase Local Supply through Groundwater Recharge

$$= \text{Baseline} + (\text{Weighted ratio of Average of Aquifer area and Countable Runoff}) \times (\sum (\text{Increase Local Supply through Groundwater Recharge}) - (\text{Baseline}))$$

Table H-16. Average annual stormwater capture through groundwater recharge WA targets and supporting data

| Watershed Area | WA Characteristics | | | | Targets |
|----------------|---------------------------------|---|---|--|---|
| | Source: WMMS2 | Source: WMMS2 (LSPC), MMS | Source: MMS, WRAMPS, Opti GLAC IRWM | $D = (C \times A) / \sum (C \times A)$ | $E = F + D \times \sum (E - F)$ |
| | A | B | C | D | E |
| | Unconfined Aquifer Area (acres) | Avg. Annual Uncaptured Stormwater Runoff (ac-ft/yr) | Runoff Remaining to Capture for Water Supply (ac-ft/yr) | Weighted Ratio of Average of Aquifer Area and Countable Runoff (%) | Increase Local Supply through Groundwater Recharge (ac-ft/yr) |
| CSMB | 8,855 | 42,356 | 41,391 | 3% | 1,038 |
| LLAR | 10,451 | 27,135 | 10,089 | 1% | 651 |
| LSGR | 12,196 | 47,687 | 47,390 | 4% | 4,852 |

Note: Values shown are unrounded and were derived from the technical analysis described by the methods. Final WA and SCW Program targets were rounded.

***Refer to Appendix H for more details**

Increase Drought Preparedness: Interim Targets

Table H-20. Increase Drought Preparedness WA interim targets summary

| Watershed Area | Increase Drought Preparedness (Goal B) WA Interim Targets | | | | | | | |
|----------------|---|--------|--------|--------|---|-------|-------|-------|
| | Increase Local Supply through Stormwater Capture (ac-ft/yr) | | | | Increase Local Supply through Groundwater Recharge and Storage (ac-ft/yr) | | | |
| | Baseline | 2030 | 2035 | 2045 | Baseline | 2030 | 2035 | 2045 |
| CSMB | 16,800 | 18,200 | 19,870 | 26,100 | 670 | 730 | 790 | 1,040 |
| LLAR | 3,200 | 3,550 | 3,960 | 5,500 | 550 | 570 | 580 | 650 |
| LSGR | 5,700 | 7,320 | 9,260 | 16,500 | 4,280 | 4,370 | 4,470 | 4,850 |

*Refer to Appendix H for more details


Increase Drought Preparedness: Needs

Table H-21. Increase Drought Preparedness WA Needs summary









| Watershed Area | Increase Drought Preparedness (Goal B) WA Needs | |
|----------------|---|---|
| | Increase Local Supply through Stormwater Capture (ac-ft/yr) | Increase Local Supply through Groundwater Recharge and Storage (ac-ft/yr) |
| CSMB | 9,300 | 370 |
| LLAR | 2,300 | 100 |
| LSGR | 10,800 | 570 |

*Refer to Appendix H for more details

Increase Drought Preparedness: CSMB Strategies

| Central Santa Monica Bay Watershed Area Strategies and Actions  | | | | |
|--|--|---|--|---|
| Increase Drought Preparedness | | | | |
| SCW Program Goal B | | | | |
| Watershed Area Needs (by 2045) | 9,300 Increase Local Supply through Stormwater Capture (ac-ft/year) | 170 ac-ft Approx. 24-hr Capacity for Projects that Increase Local Water Supply | 370 Increase Local Supply through Groundwater Recharge and Storage (ac-ft/year) | 10 ac-ft Approx. 24-hr Capacity for Groundwater Recharge Projects |
| Strategies | Action(s) | | | Who Should be Involved |
| 2.1 Link MS4 compliance, and water supply planning to maximize stormwater capture for water quality and water supply* | 2.1.1 Plan and implement Projects and Programs that link MS4 compliance, groundwater recharge, and water reclamation planning by prioritizing Projects that align with strategies 1.1, 2.2, and 2.3 and by referencing the <i>Opportunity to Improve Water Quality and Increase Water Supply</i> composite layer. 2.1.2 Ensure Projects are included in a stormwater resource plan or a regional Water Management Plan (see SCW Program Implementation Ordinance 18.07.c.3). | | | NEAR TERM WASCs, Municipalities, Project proponents NEAR TERM WASCs, Municipalities, Project proponents |
| 2.2 Maximize stormwater runoff capture and management for water supply | 2.2.1 Implement Projects that augment water supply where stormwater runoff is not currently managed to a total estimated 24-hour Project capacity of approx. 170 ac-ft or more. Reference the <i>Opportunity to Improve Water Quality and Increase Water Supply</i> composite layer. 2.2.2 Target the highest runoff capture areas with distributed Projects using BMPs such as dry wells, infiltration galleries, diversion to sanitary sewer, and green infrastructure. Reference the <i>Bacteria Load Reduction Opportunity</i> layer, which reflects on runoff volume, and the <i>Opportunity to Improve Water Quality and Increase Water Supply</i> composite layer. | | | NEAR TERM WASCs, Municipalities, Project proponents NEAR TERM WASCs, Municipalities, Project proponents |
| 2.3 Enhance local water supply through groundwater recharge, diversion to sanitary sewer, and onsite reuse | 2.3.1 Of the total estimated 24-hour Project capacity identified in action 2.2.1, implement Projects that infiltrate to a managed unconfined groundwater basin for a total estimated 24-hour Project capacity of approx. 10 ac-ft or more. Utilize high performing BMPs such as infiltration galleries and dry wells. Reference the <i>Opportunity to Increase Water Supply Through Groundwater Recharge and Storage</i> layer. 2.3.2 Of the total estimated 24-hour Project capacity identified in action 2.2.1, implement Projects that reuse water onsite and/or divert to the Hyperion Water Reclamation Plant or the Santa Monica Urban Runoff Recycling Facility for a total estimated 24-hour Project capacity of approx. 160 ac-ft or more. 2.3.3 Utilize Scientific Studies to address knowledge gaps related to sewer system capacity for stormwater diversion, and to map potential locations for Project tie-ins. | | | NEAR TERM WASCs, Municipalities, Project proponents NEAR TERM WASCs, Municipalities, Project proponents NEAR TERM Public Works, WASCs, Scientific Study proponents |

Increase Drought Preparedness: LLAR Strategies

| Lower Los Angeles River Watershed Area Strategies and Actions  | | | | |
|---|--|--|--|---|
| Increase Drought Preparedness | | | | |
| SCW Program Goal B | | | | |
| Watershed Area Needs (by 2045) | 2,300 Increase Local Supply through Stormwater Capture (ac-ft/year) | 70 ac-ft Approx. 24-hr Capacity for Projects that Increase Local Water Supply | 100 Increase Local Supply through Groundwater Recharge and Storage (ac-ft/year) | 10 ac-ft Approx. 24-hr Capacity for Groundwater Recharge Projects |
| Strategies | Action(s) | | | Who Should be Involved |
| 2.1. Link MS4 compliance and water supply planning to maximize stormwater capture for water quality and water supply* | 2.1.1 Plan and implement Projects and Programs that link MS4 compliance, groundwater recharge, and water reclamation planning by prioritizing Projects that align with strategies 1.1, 2.2, and 2.3 and by referencing the <i>Opportunity to Improve Water Quality and Increase Water Supply</i> composite layer. 2.1.2 Ensure Projects are included in a stormwater resource plan or a regional Water Management Plan (see SCW Program Implementation Ordinance 18.07.c.3). | | |  WASCs, Municipalities, Project proponents  WASCs, Municipalities, Project proponents |
| 2.2. Maximize stormwater runoff capture and management for water supply | 2.2.1 Implement Projects that augment water supply where stormwater runoff is not currently managed to a total estimated 24-hour Project capacity of approx. 100 ac-ft or more. Reference the <i>Opportunity to Improve Water Quality and Increase Water Supply</i> composite layer. 2.2.2 Target the highest runoff capture areas with distributed Projects using BMPs such as dry wells, infiltration galleries, diversion to sanitary sewer, and green infrastructure, which have exhibited high performance in augmenting water supply in this WA. Reference the <i>Bacteria Load Reduction Opportunity</i> layer, which reflects on runoff volume, and the <i>Opportunity to Improve Water Quality and Increase Water Supply</i> composite layer. | | |  WASCs, Municipalities, Project proponents  WASCs, Municipalities, Project proponents |
| 2.3. Enhance local water supply through groundwater recharge, diversion to sanitary sewer, and onsite reuse | 2.3.1 Of the total estimated 24-hour Project capacity identified in action 2.2.1, implement Projects that infiltrate to the West Coast Groundwater Basin for a total estimated 24-hour Project capacity of approx. 10 ac-ft or more. Utilize high-performing BMPs such as infiltration galleries and dry wells. Reference the <i>Opportunity to Increase Water Supply Through Groundwater Recharge and Storage</i> layer. 2.3.2 Of the total estimated 24-hour Project capacity identified in action 2.2.1, implement Projects that reuse water onsite and/or divert to the A.K. Warren Water Resource Facility or Long Beach Water Reclamation Plant for a total estimated 24-hour Project capacity of approx. 60 ac-ft or more. 2.3.3 Utilize Scientific Studies to address knowledge gaps related to sewer system capacity for stormwater diversion, and to map potential locations for Project tie-ins. | | |  WASCs, Municipalities, Project proponents  WASCs, Municipalities, Project proponents  Public Works, WASCs, Scientific Study proponents |
| 2.4. Enhance local water supply through enhancements to existing LACFCD major capture facilities | 2.4.1 Invest in rehabilitation, expansion, and O&M enhancements for spreading grounds to yield approx. 1,460 ac-ft of additional annual water supply per the Los Angeles Basin Study. | | |  Public Works |

Increase Drought Preparedness: LSGR Strategies

| Lower San Gabriel River Watershed Area Strategies and Actions  | | | | |
|---|--|---|--|--|
| Increase Drought Preparedness | | | | |
| SCW Program Goal B | | | | |
| Watershed Area Needs (by 2045) | 10,800 Increase Local Supply through Stormwater Capture (ac-ft/year) | 310 ac-ft Approx. 24-hr Capacity for Projects that Increase Local Water Supply | 570 Increase Local Supply through Groundwater Recharge and Storage (ac-ft/year) | 40 ac-ft Approx. 24-hr Capacity for Groundwater Recharge Projects |
| Strategies | Action(s) | Who Should be Involved | | |
| 2.1. Link MS4 compliance and water supply planning to maximize stormwater capture for water quality and water supply* | 2.1.1 Plan and implement Projects and Programs that link MS4 compliance, groundwater recharge, and water reclamation planning by prioritizing Projects that align with strategies 1.1, 2.2, and 2.3 and by referencing the <i>Opportunity to Improve Water Quality and Increase Water Supply</i> composite layer. 2.1.2 Ensure Projects are included in a stormwater resource plan or a regional Water Management Plan (see SCW Program Implementation Ordinance 18.07.c.3). | NEAR TERM | WASCs, Municipalities, Project proponents | |
| 2.2. Maximize stormwater runoff capture and management for water supply | 2.2.1 Implement Projects that augment water supply where stormwater runoff is not currently managed to a total estimated 24-hour Project capacity of approx. 330 ac-ft or more. Reference the <i>Opportunity to Improve Water Quality and Increase Water Supply</i> composite layer. 2.2.2 Target the highest runoff capture areas with distributed Projects using BMPs such as dry wells, infiltration galleries, diversion to sanitary sewer, and green infrastructure, which have exhibited high performance in augmenting water supply in this WA. Reference the <i>Bacteria Load Reduction Opportunity</i> layer, which reflects on runoff volume, and the <i>Opportunity to Improve Water Quality and Increase Water Supply</i> composite layer. | NEAR TERM | WASCs, Municipalities, Project proponents | |
| 2.3. Enhance local water supply through groundwater recharge, diversion to sanitary sewer, and onsite reuse | 2.3.1 Of the total estimated 24-hour Project capacity identified in action 2.2.1, implement Projects that infiltrate to a managed unconfined groundwater basin for a total estimated 24-hour Project capacity of approx. 40 ac-ft or more, utilizing high performing BMPs such as infiltration galleries and dry wells. Reference the <i>Opportunity to Increase Water Supply Through Groundwater Recharge and Storage</i> layer. 2.3.2 Of the total estimated 24-hour Project capacity identified in action 2.2.1, implement Projects that reuse water onsite and/or divert to the Los Coyotes Water Reclamation Plant, San Jose Creek Water Reclamation Plant, or the Long Beach Water Reclamation Plant for a total estimated 24-hour Project capacity of approx. 270 ac-ft or more. 2.3.3 Utilize Scientific Studies to address knowledge gaps related to sewer system capacity for stormwater diversion, and to map potential locations for Project tie-ins. | NEAR TERM | WASCs, Municipalities, Project proponents | |
| 2.4. Enhance local water supply through enhancements to existing LACFCD major capture facilities | 2.4.1 Invest in rehabilitation, expansion, and O&M enhancements for spreading grounds to yield approx. 1,460 ac-ft of additional annual water supply per the Los Angeles Basin Study. | NEAR TERM | Public Works, WASCs, Scientific Study proponents | |

Increase Drought Preparedness: Opportunities

Increase WS through Stormwater Capture

Table I-5. Opportunity to Increase Water Supply through Stormwater Capture data sources and analysis

| Data Source(s) | Key Attributes | Opportunity Analysis & Considerations |
|---|---|---|
| SCW Program funded Project capture areas | Project type: Wet-weather or dry-weather, and Wet-weather only | <ul style="list-style-type: none"> As described in Section I.1.1, runoff yield was calculated for each subwatershed, accounting for stormwater capture by major capture facilities. Then, capture areas upstream of major capture facilities with less than 30% Net Countable Supply were removed. Additionally, areas already managed by SCW Program-funded wet-weather capture Projects were removed. Remaining areas were then evaluated for wet-weather and dry-weather runoff capture opportunity, with existing SCW Program Projects categorized to distinguish between wet-weather or dry-weather and wet-weather only capture potential. Note: low flow diversion areas were included in the wet-weather only opportunity. Lastly, percentile classifications were calculated based on the remaining subwatersheds (see Table I-6). |
| Major capture facilities | Dams, reservoirs, spreading grounds, and low flow diversions | |
| SCW Program Metrics and Monitoring Study Net Countable Supply | Entries meeting the 30% Net Countable Supply threshold ("NET_COUNT" ≥ 0.3) | |
| WMMS2 | Runoff volume (10-year continuous model timeseries, water year 2014 through 2023) | |

Table I-6. Classification criteria for Opportunity to Increase Water Supply through Stormwater Capture

| Opportunity | Classification Description |
|-------------|--|
| High | 75 th Percentile to 85 th Percentile |
| Higher | 85 th Percentile to 95 th Percentile |
| Highest | >95 th Percentile |

Increase WS through GW Recharge and Storage

Table I-7. Opportunity to Increase Water Supply Through Groundwater Recharge and Storage data sources and analysis

| Data Source(s) | Key Attributes | Opportunity Analysis & Considerations |
|---|--|---|
| Groundwater Basins | Entries with "Unconfined" in the Basin Type field name | <ul style="list-style-type: none"> First, groundwater basin data was filtered to only include "unconfined" aquifers. Next, capture areas upstream of major capture facilities and SCW Program funded wet-weather capture Projects were removed as described in the section above. The resulting layer was exported and is illustrated in Figure I-5. |
| SCW Program funded Project capture areas | Project type: Wet-weather or dry-weather | |
| SCW Program Metrics and Monitoring Study Net Countable Supply | Entries meeting the 30% Net Countable Supply threshold ("NET_COUNT" ≥ 0.3) | |
| Major capture facilities | Capture areas for dams, reservoirs, spreading grounds, low flow diversions | |

***Refer to Appendix I for more details**

Increase Drought Preparedness: Opportunities - Increase Water Supply through Stormwater Capture

CSMB Opportunity

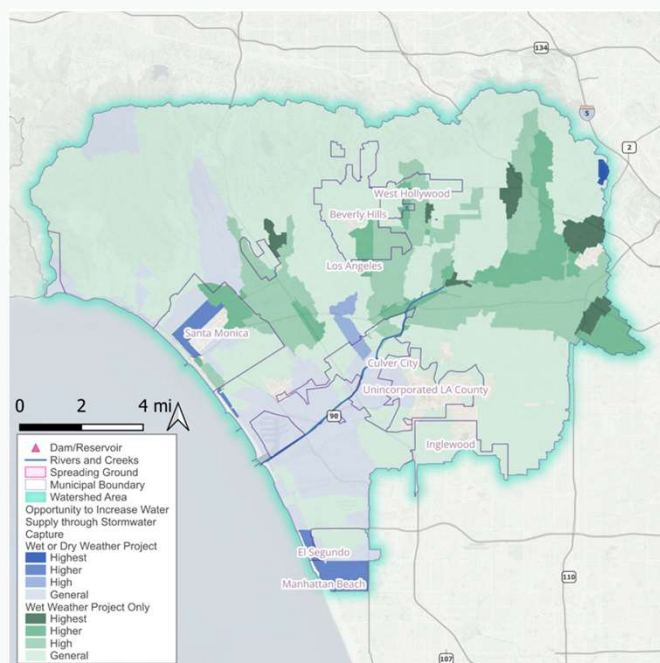


Figure I-4. Opportunity to Increase Water Supply through Stormwater Capture

LLAR Opportunity

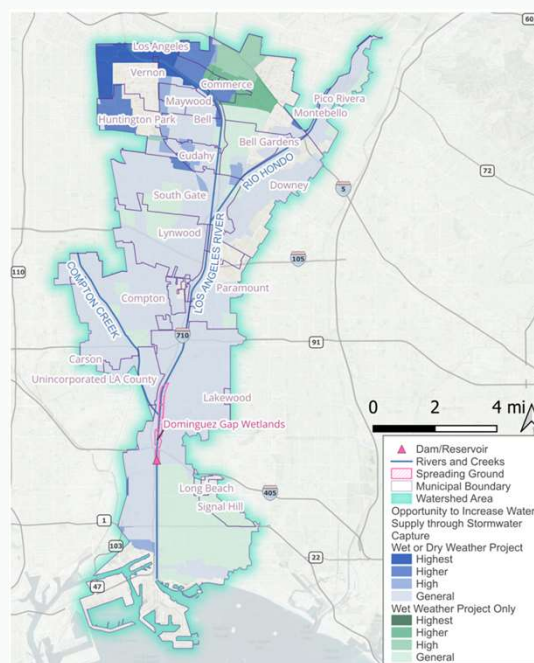


Figure I-4. Opportunity to Increase Water Supply through Stormwater Capture

LSGR Opportunity

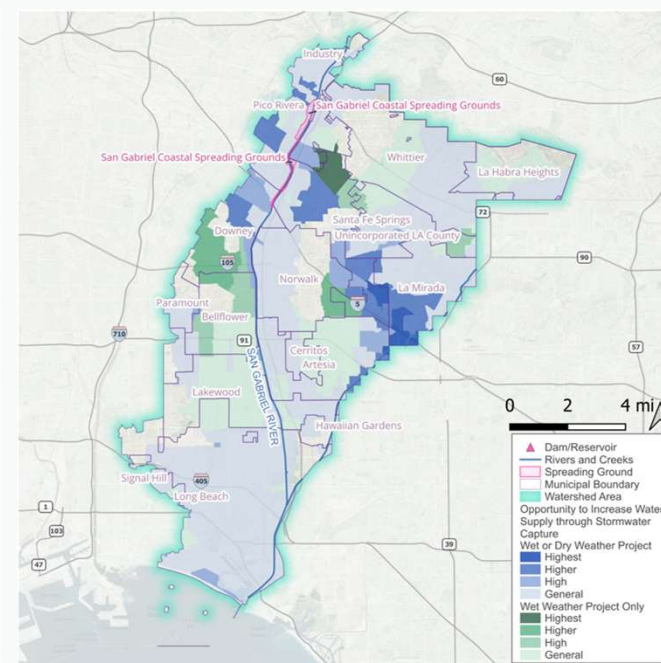
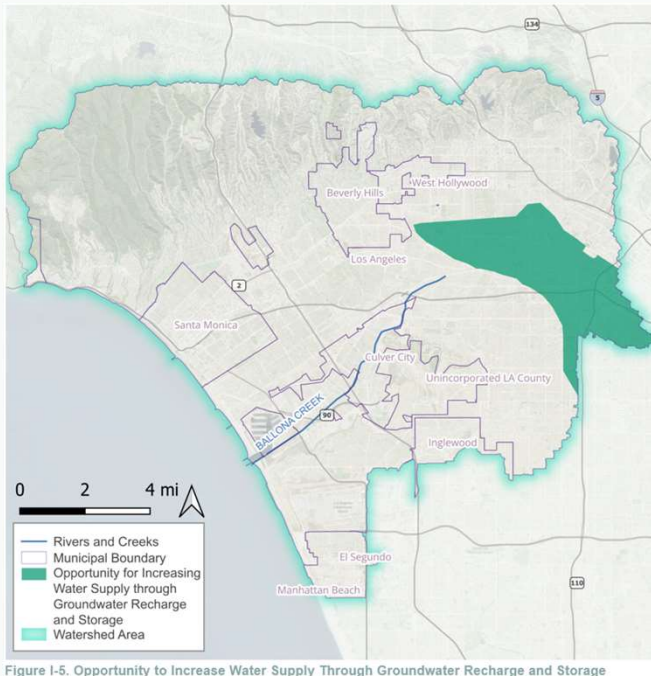


Figure I-4. Opportunity to Increase Water Supply through Stormwater Capture

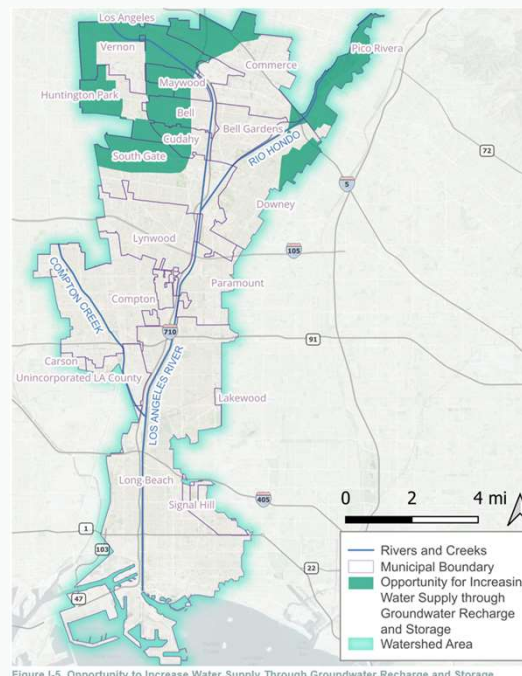
***Refer to Appendix I for more details**

Increase Drought Preparedness: Opportunities - Increase WS through GW Recharge and Storage

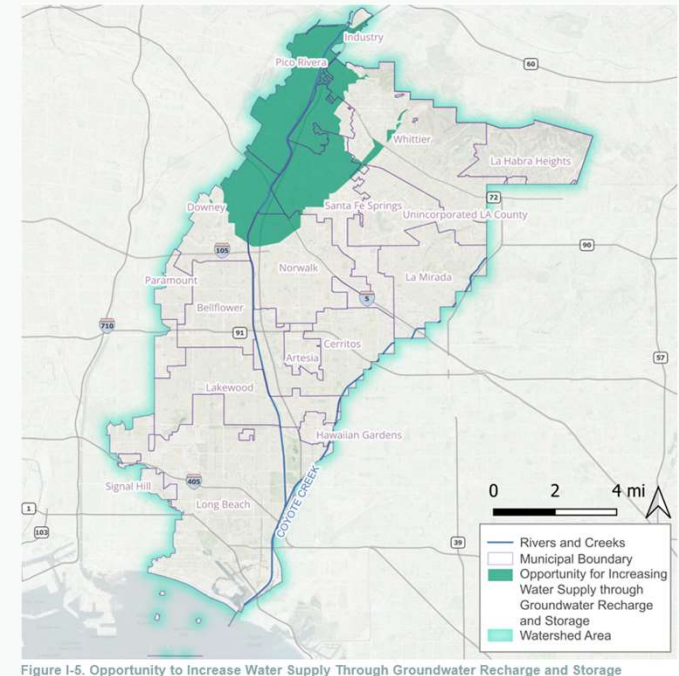
CSMB Opportunity



LLAR Opportunity



LSGR Opportunity



***Refer to Appendix I for more details**

COMMUNITY INVESTMENT BENEFITS

COMMUNITY INVESTMENT

Planning Theme: Improve Public Health

Improve Public Health

© SCW Program Goal (18.04.C)

Improve public health by preventing and cleaning up contaminated water, increasing access to open space, providing additional recreational opportunities, and helping communities mitigate and adapt to the effects of climate change through activities such as increasing shade and green space.



Improve Public Health: Indicators

- Net area of park and green space created (acres)
- Net area of park enhanced or restored (acres)
- Net area of green space at schools created (acres)
- Net new area of canopy, cooling, and shading surfaces (acres)

Table H-23 Net area of park and green space created target-setting references and methods

| Indicator | Net Area of Park and Green Space Created (acres) |
|---|---|
| Key Efforts & Countywide Targets Referenced | <ul style="list-style-type: none"> • LA County's "30x30", formalized through the Parks Needs Assessment, aligns with the broader goal of conserving 30% of lands and coastal waters by 2030 • LA County General Plan 2035 <ul style="list-style-type: none"> ○ Countywide target: Ensure 4 acres of local parks per 1,000 residents in unincorporated areas • Parks Needs Assessment (LINK) <ul style="list-style-type: none"> ○ Countywide target: Create 11,850 acres of park space in high and very high need areas |

Table H-25 Net area of park and green space enhanced or restored target-setting references and methods

| Indicator | Net Area of Park and Green Space Enhanced or Restored (acres) |
|---|---|
| Key Efforts & Countywide Targets Referenced | <ul style="list-style-type: none"> • Los Angeles County's "30x30", formalized through the Parks Needs Assessment, aligns with the broader goal of conserving 30% of lands and coastal waters by 2030 • Los Angeles County General Plan 2035 <ul style="list-style-type: none"> ○ Countywide target: Ensure 4 acres of local parks per 1,000 residents in unincorporated areas • Parks Needs Assessment (LINK) <ul style="list-style-type: none"> ○ Countywide target: Create 11,850 of park space in high and very high need areas |

Table H-27 Net area of green space at schools created target-setting references and methods

| Indicator | Net area of green space at schools created (acres) |
|---|---|
| Key Efforts & Countywide Targets Referenced | <ul style="list-style-type: none"> • Vision 2045 (Heal the Bay; LINK) • Los Angeles Unified School District (LAUSD) Greening Index 2.0; LINK • Green Schools Yards for all America (GSA) |

Table H-29 Net area of canopy, cooling, and shading surfaces target-setting references and methods

| Indicator | Net area of Canopy, Cooling, and Shading Surfaces (acres) |
|---|--|
| Key Efforts & Countywide Targets Referenced | <ul style="list-style-type: none"> • Los Angeles County's "30x30", formalized through the 2022 Parks Needs Assessment, aligns with the broader goal of conserving 30% of lands and coastal waters by 2030 • Los Angeles County General Plan 2035 <ul style="list-style-type: none"> ○ Countywide target: Ensure 4 acres of local parks per 1,000 residents in unincorporated areas, the target set by the PNA. • Parks Needs Assessment (LINK) <ul style="list-style-type: none"> ○ Countywide target: Create 11,850 acres of park space in high and very high need areas |

***Refer to Appendix H for more details**

Improve Public Health: USGR

- Extensive impervious surfaces and a significant shortage of high-quality parks, green spaces, and recreational amenities have contributed to multiple environmental and public health challenges.



Improve Public Health: Baselines & Forecasts

Table H-22 *Improve Public Health* Indicator baselines and forecasts

| Watershed Area | Improve Public Health (Goal C) Indicator Baselines & Forecasts | | | | | | | |
|----------------|--|---------------|---|----------------------------|--|----------------------------|---|---------------|
| | Source: Reporting Module | | | | | | | |
| | Net Area of Park and Green Space Created (acres) | | Net Area of Park Enhanced or Restored (acres) | | Net Area of Green Space at Schools Created (acres) | | Net New Area of Canopy, Cooling, and Shading Surfaces (acres) | |
| | Baseline | 2045 Forecast | Baseline | 2045 Forecast ¹ | Baseline | 2045 Forecast ¹ | Baseline | 2045 Forecast |
| USGR | 7.6 | 7.6 | 19.9 | 24.3 | 0.0 | 0.0 | 5.7 | 5.7 |

¹ Forecasts not developed due to a lack of baseline data.

[*Refer to Appendix H for more details](#)

Improve Public Health: Targets - Net Area of Park and Green Space Created (ac)

Table H-24 Net area of park and green space created WA characteristics and targets

| Watershed Area | WA Characteristics | | | Targets ¹ |
|----------------|---|---|--|--|
| | Source: PNA | | Source: Calc. using PNA data | Conditional |
| | A | B | C | D |
| | Approx. Park Deficit in Moderate to Very Low Need Areas (acres) | Approx. Park Deficit in Very High Need Areas ¹ (acres) | Approx. Park Deficit in High and Very High Need Areas ¹ (acres) | Net Area of Park and Green Space Created (acres) |
| USGR | 702 | 380 | 454 | 12 |

¹ Targets may be revised once additional data for Municipal Program Projects is received through the Reporting Module. Target values will be revisited to context gained from the bottom-up approach. In the meantime, other Project baselines such as BMP footprint may have served as a reference for what is feasible to achieve through the SCW Program. Note: Values shown are unrounded and were derived from the technical analysis described by the methods. Final WA and SCW Program targets were rounded. Conditional target rules for column D: If Approx Park Deficit in Column C is zero, then value in Column D equals 2% of Column A. If 2% column C is greater than 5 times the 2045 forecast, then Column D equals 2% of Column B. Otherwise, Column D is equal to 2% of Column C. "Net Green Space at Schools Created (acres) Target" values are added to column D.

[*Refer to Appendix H for more details](#)

Improve Public Health: Targets - Net Area of Park Enhanced or Restored (ac)

$$\text{Net Area of Park Enhanced or Restored (ac)} = (\text{Total Area of Local and Regional Parks}) \times 30\%$$

Table H-26 Net area of park enhanced or restored WA characteristics and targets

| Watershed Area | WA Characteristics | | Targets ¹ |
|----------------|--|---|---|
| | Source: PNA | | C = B x 30% |
| | A | B | C |
| | Total area of Local and Regional Parks in Moderate to Low need areas in Poor or Fair Condition (acres) | Total area of Local and Regional Parks in High and Very High need areas in Poor or Fair Condition (acres) | Net Area of Park Enhanced or Restored (acres) |
| USGR | 275 | 69 | 21 |

Note: Values shown are unrounded and were derived from the technical analysis described by the methods.

Final WA and SCW Program targets were rounded.

1. If Column B = 0 then Column C equals 30% of Column A

***Refer to Appendix H for more details**

Improve Public Health: Targets - Net Area of Green Space at Schools Created (ac)

$$\text{Net Area of Green Space at Schools Created (ac)} = (\text{Schoolyard Area}) \times 1\%$$

Table H-28 Net green space at schools created WA characteristics and targets

| Watershed Area | WA Characteristics | | Targets |
|----------------|--|--|--|
| | Source: PNA | | C = B x 1% |
| | A | B | C |
| | Total Area of K-12 Public School Parcels (acres) | Schoolyard Area at K-12 Public Schools (Impervious Area, excluding roofs & parking lots) (acres) | Net Green Space at Schools Created (acres) |
| USGR | 3,899 | 924 | 9 |

Note: Values shown are unrounded and were derived from the technical analysis described by the methods.

Final WA and SCW Program targets were rounded

¹ Forecasts not developed due to lack of baseline data.

***Refer to Appendix H for more details**

Improve Public Health: Targets - Net Area of Canopy, Cooling, and Shading Surfaces (ac)

$$\text{Net Area of Canopy, Cooling, and Shading Surfaces(ac)} = \text{Net Area of Park and Green Space} + \text{Net New Area of Canopy}$$

Table H-30 Net new area of canopy, cooling, and shading surfaces WA characteristics and targets

| Watershed Area | WA Characteristics | | Targets ¹ |
|----------------|--|--------------------------------|---|
| | Targets | Calculated | C = A + B |
| | A | B | C |
| | Net Area of Park and Green Space Created (acres) | Net New Area of Canopy (acres) | Net New Area of Canopy, Cooling, and Shading Surfaces (acres) |
| USGR | 12 | 203 | 215 |

Note: Values shown are unrounded and were derived from the technical analysis described by the methods. Final WA and SCW Program targets were rounded.

¹Overlaps may occur across targets, as certain benefits can contribute to more than one target. In this case, the "net area of park and green space created" Indicator is used to support the estimation of targets for the "net new area of canopy, cooling, and shading surface" Indicator, because parks and green spaces are also considered to be canopy, cooling, and shading surfaces.

***Refer to Appendix H for more details**

Improve Public Health: Interim Targets

Table H-31. Interim targets for indicators under the *Improve Public Health Planning Theme*

| Watershed Area | Improve Public Health (Goal C) Interim Targets | | | | | | | | | | | | | | | |
|----------------|--|------|------|------|--|------|------|------|--|------|------|------|---|------|------|------|
| | Net Area of Park Enhanced or Restored (acres) | | | | Net Area of Park and Green Space Created (acres) | | | | Net Area of Green Space at Schools Created (acres) | | | | Net New Area of Canopy, Cooling, and Shading Surfaces (acres) | | | |
| | Baseline | 2030 | 2035 | 2045 | Baseline | 2030 | 2035 | 2045 | Baseline | 2030 | 2035 | 2045 | Baseline | 2030 | 2035 | 2045 |
| USGR | 20 | 20 | 20 | 21 | 8 | 10 | 10 | 10 | - | - | 1 | 3 | 6 | 40 | 70 | 210 |

**Refer to Appendix H for more details*

Improve Public Health: Needs

Table H-32. WA Needs for Indicators under the *Improve Public Health* Planning Theme

| Watershed Area | Improve Public Health (Goal C) WA Needs | | | |
|----------------|---|--|--|---|
| | Net Area of Park Enhanced or Restored (acres) | Net Area of Park and Green Space Created (acres) | Net Area of Green Space at Schools Created (acres) | Net New Area of Canopy, Cooling, and Shading Surfaces (acres) |
| USGR | 1 | 2 | 3 | 284 |

**Refer to Appendix H for more details*

Improve Public Health: USGR Strategies

Community Investment Benefit

| Upper San Gabriel River Watershed Area Strategies and Actions | | | | |
|--|--|---|--|--|
| Improve Public Health | | | | |
| SCW Program Goal C | | | | |
| Watershed Area Needs (by 2045) | 2 Net Area of Park and Green Space Created (acres) | 3 Net Area of Green Space at Schools Created (acres) | 1 Net Area of Park Enhanced or Restored (acres) | 204 Net New Area of Canopy, Cooling, and Shading Surfaces (acres) |
| Strategies | Action(s) | | | Who Should be Involved |
| 3.1 Evaluate open space and large lot potential, particularly on school campuses* | 3.1.1 Address spatial data gaps related to park land opportunities identified through the Parks Needs Assessment (see Chapter 7 for details). | | | NEAR TERM Public Works |
| | 3.1.2 Invest in research such as a Scientific Study that evaluates open space and large lot potential for SCW Program Project implementation. | | | LONG TERM Public Works, Scientific Study proponents |
| 3.2 Integrate transportation-related planning and implementation efforts with green street development** | 3.2.1 Leverage Project opportunities and recommendations identified by the San Gabriel Valley Greenway Network Strategic Implementation Plan to implement multi-benefit Projects that integrate transportation, recreation, habitat, and stormwater management. Note that recommendations from this plan are integrated into strategies and actions where feasible. | | | NEAR TERM WASCs, Municipalities, Project proponents |
| 3.3 Implement Projects located at school and in flood control channel right of ways** | 3.3.1 Prioritize multi-benefit Projects that create green space at schools, aiming to convert at least 30% of schoolyard area to green space. Reference the Opportunity for Creating Green Space at Schools to guide Project implementation. | | | NEAR TERM WASCs, Municipalities, Project proponents |
| | 3.3.2 In alignment with the San Gabriel Valley Greenway Network Strategic Implementation Plan, implement greenway Projects that utilize flood control right of ways to create parks and green spaces. | | | NEAR TERM Public Work, LACFCD, WASCs, Municipalities, Project proponents |
| 3.4 Create, enhance, and restore park and green space, especially in high-need communities | 3.4.1 Prioritize multi-benefit Projects that enhance and/or restore existing local and regional parks in Parks Needs Assessment priority areas, using the Opportunity for Park Enhancement or Restoration layer to guide implementation. | | | NEAR TERM WASCs, Municipalities, Project proponents |
| | 3.4.2 Prioritize multi-benefit Projects that create parks and green spaces—such as pocket parks, linear parks, and greenways with stormwater features—in Parks Needs Assessment priority areas, using the Opportunity for Park and Green Space Creation layer to guide implementation. | | | NEAR TERM WASCs, Municipalities, Project proponents |
| | 3.4.3 Invest in safe, walkable green streets, walking and biking paths that enhance mobility, connectivity, community cohesion, and improve stormwater management, especially near parks, schools, and other community hubs. | | | NEAR TERM WASCs, Municipalities, Project proponents |
| | 3.4.4 Improve access to existing open spaces—such as spreading grounds along urban rivers—to expand the benefits of parks and green spaces, bringing them closer to communities and increasing equitable access. | | | NEAR TERM Public Works, Municipalities |
| Upper San Gabriel River Watershed Area Strategies and Actions | | | | |
| Improve Public Health | | | | |
| SCW Program Goal C | | | | |
| Strategies | Action(s) | | | Who Should be Involved |
| 3.5 Help communities most affected by extreme heat mitigate and adapt to the effects of climate change | 3.5.1 Utilize green infrastructure that reduces hardscape and optimizes Project footprints to maximize tree canopy, urban cooling, and shaded surfaces, thereby enhancing climate resilience. Project types may include green streets, tree wells, and other surface-based stormwater capture features, such as vegetated areas designed with integrated water storage capacity. | | | NEAR TERM WASCs, Municipalities, Project proponents |
| | 3.5.2 Implement multi-benefit Projects that prioritize expanding tree canopy, enhancing urban cooling, and increasing shaded surfaces in communities most vulnerable to climate change by referencing the Multiple Benefit Opportunity Across Planning Themes layer. | | | NEAR TERM WASCs, Municipalities, Project proponents |
| | 3.5.3 Select tree species based on drought tolerance, community preferences, shade provision capacity, and contributions to local biodiversity. Prioritize the planting, establishment, and maintenance of trees according to industry best management practices, as outlined in the Recommended Tree Species for Los Angeles County and Best Management Practices for Tree Care guidelines. | | | NEAR TERM WASCs, Municipalities, Project proponents |

Improve Public Health: Opportunities

Opportunity for Park and Green Space Creation

Table I-8. Park and Green Space Creation opportunity data sources and analysis

| Data Source(s) | Key Attributes | Opportunity Analysis & Considerations |
|--|---|---|
| Parks Needs Assessment | Entries with "High" or "Very High" in the NEED_DESC field name and entries meeting the 3.3 ac threshold ("AC_PER_1K" ≥ 3.3) | <ul style="list-style-type: none"> First, entries with High and Very High Park Needs¹ and less than 3.3 acre per 1,000 people were selected. Resulting areas were clipped to urban areas to focus the analysis on locations with the greatest potential for new park development within more densely populated regions. Lastly, subwatersheds were categorized into high or higher based on their LARMP Access Need values (see Table I-9). |
| LARMP Access Need | Entries above and below the 2.825 Access Need threshold | |
| Urban Areas | Extent of the urban area | |

¹ In some WAs there were no high or very high entries. In those instances, this step was skipped.

Table I-9. Classification criteria for Park and Green Space Creation opportunity

| Opportunity | Park Needs Assessment Population per Area | Park Needs Assessment Results | LARMP Access Need |
|-------------|---|-------------------------------|-------------------|
| High | Less than 3.3 acre per 1,000 people | High, Very High | <2.825 |
| Higher | | | >2.825 |

Opportunity for Park Enhancement or Restoration

Table I-10. Park Enhancement or Restoration opportunity data sources and analysis

| Data Source(s) | Key Attributes | Opportunity Analysis & Considerations |
|--|---|--|
| LA County local parks, regional parks, open space, natural areas | Entries with "Open Access" in the ACCESS_TYP field name | <ul style="list-style-type: none"> First, entries with open access were filtered to ensure selected area do not overlap with non-open access parks. Resulting parks were then filtered to those with a High or Very High need as determined by the Park Needs Assessment¹. Resulting areas were clipped to urban areas to focus the analysis on locations with the greatest potential for new park development within more densely populated regions. Lastly, opportunities were categorized into high, higher, or highest based on their park condition and LARMP Access Need and park condition (see Table I-11). |
| Parks Needs Assessment | Entries with "High" or "Very High" in the NEED_DESCP field name | |
| LA County local parks, regional parks, open space, natural areas | Entries with "Poor" or "Fair" in the PRKINF_CND field name | |
| LARMP Access Need | Access Need | |
| Urban Areas | Extent of the urban area | |

¹ In some WAs there were no high or very high entries. In those instances, this step was skipped.

Table I-11. Classification criteria for Park Enhancement or Restoration opportunity

| Opportunity | Park Condition | Park Needs Assessment Results ¹ | LARMP Access Need |
|-------------|----------------|--|-------------------|
| High | Fair | High, Very High | <2.825 |
| Higher | Fair | | >2.825 |
| Highest | Poor | | >2.825 |

¹ In some WAs there were no high or very high entries. In those instances, this step was skipped.

***Refer to Appendix I for more details**

Improve Public Health: Opportunities

Opportunity for Creating Green Space at Schools

Table I-12. Creating Green Spaces at Schools' opportunity data sources and analysis

| Data Source(s) | Key Attributes | Opportunity Analysis & Considerations |
|---|--|--|
| Los Angeles County Schools (direct from Public Works) | K-12 only | <ul style="list-style-type: none"> First, school parcels were filtered to include only those serving K-12. Resulting parcels were then spatially joined to the CES and Extreme Heat Temperature database to determine a score for each. Lastly, opportunities were categorized into high, higher, or highest based on percentile of composite score (see Table I-13). |
| CalEnviroScreen 4 | CES 4.0 Score | |
| CalAdapt Extreme Heat | Mid-century RCP 8.5 Number of Extreme Heat Days per Year | |

Table I-13. Classification criteria for Creating Green Space at Schools' opportunity

| Opportunity | Classification Description |
|-------------|---|
| High | <50 th percentile |
| Higher | 50 th to 75 th percentile |
| Highest | >75 th percentile |

Opportunity for Creating Canopy, Cooling, and Shading Surfaces

Table I-14. Classification criteria for Creating Canopy, Cooling, and Shading Surfaces opportunity

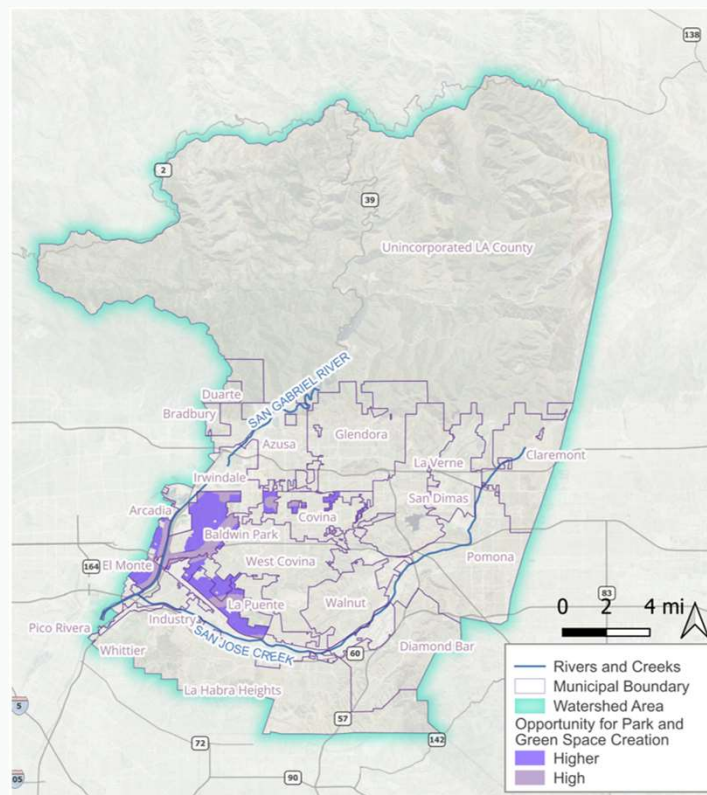
| Urban Tree Canopy Cover | Low SSI | Medium SSI | High SSI |
|-------------------------|---------|------------|----------|
| Low (<10%) | Higher | Higher | Highest |
| Medium (10% to 15%) | High | Higher | Highest |
| High (>15%) | High | High | High |

Table I-15. Creating Canopy, Cooling, and Shading Surfaces opportunity data sources and analysis

| Data Source(s) | Key Attributes | Opportunity Analysis & Considerations |
|---|---|---|
| Countywide Statistical Area (CSA) | Entries with "COMMUNITY" | <ul style="list-style-type: none"> First, CSAs were used to define the geographic boundaries for evaluating tree-canopy opportunity. Remaining area was then clipped to urban areas to focus on locations in more densely populated regions. Within these areas, the percentage of existing urban canopy cover was calculated for each CSA. Each CSA was then spatially joined with the SSI categories. Lastly, opportunities were categorized into low, medium, or high based on percentile of composite score using the classification matrix adapted from the CFMP and combining canopy cover and SSI categories (see Table I-14). |
| Urban Canopy | Urban Canopy Area | |
| Social Sensitivity Index (SSI) | Entries with "Low", "Med", or "High" in the SoVI_Third field name | |
| Urban Areas | Extent of the urban area | |

***Refer to Appendix I for more details**

Improve Public Health: USGR Opportunities – Park and Green Space Creation



**Refer to Appendix I for more details*

Improve Public Health: USGR Opportunities – Park Enhancement or Restoration

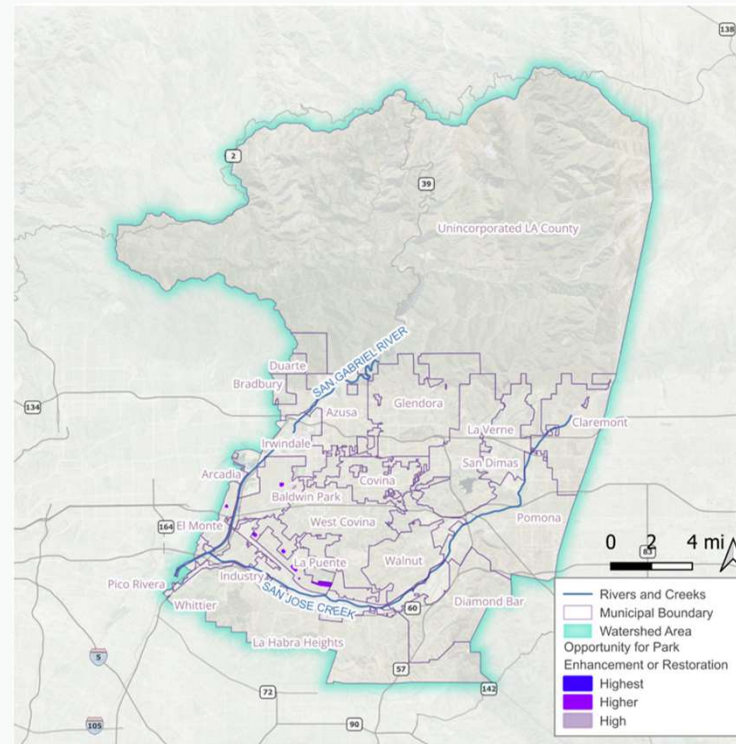
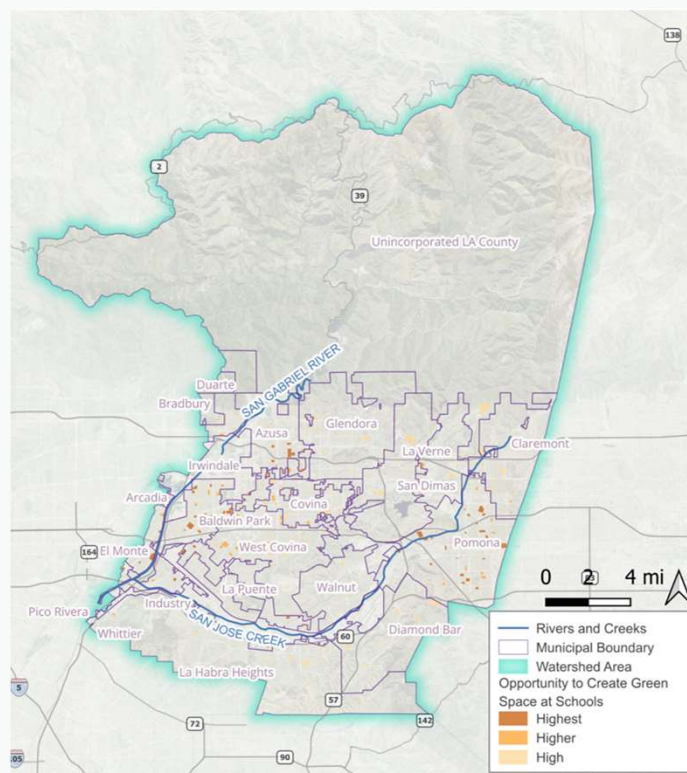


Figure I-8. Opportunity for Park Enhancement or Restoration

[*Refer to Appendix I for more details](#)

Improve Public Health: USGR Opportunities – Creating Green Space at Schools



***Refer to Appendix I for more details**

Improve Public Health: USGR Opportunities – Create Canopy, Cooling, and Shading Surfaces

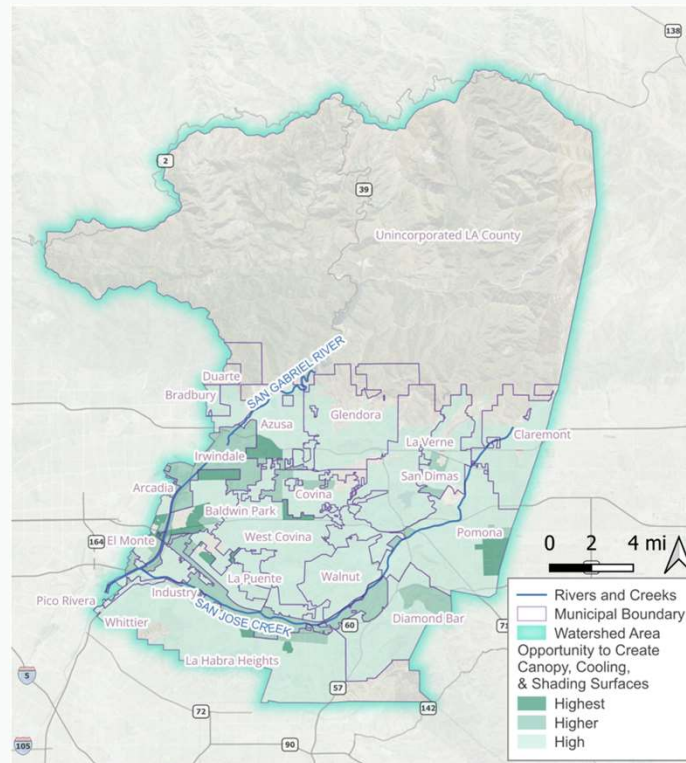


Figure I-10. Opportunity to Create Canopy, Cooling, and Shading Surfaces

[*Refer to Appendix I for more details](#)

COMMUNITY INVESTMENT

Planning Theme: Equitably Distribute Benefits

Equitably Distribute Benefits

- J SCW Program Goal (18.04.J)**
Provide DAC Benefits, including Regional Program infrastructure investments, that are not less than one hundred and ten percent (110%) of the ratio of the DAC population to the total population in each Watershed Area.
- K SCW Program Goal (18.04.K)**
Provide Regional Program infrastructure funds benefitting each Municipality in proportion to the funds generated within their jurisdiction, after accounting for allocation of the one hundred and ten percent (110%) return to DACs, to the extent feasible.



Equitably Distribute Benefits: Indicators

- Provide Disadvantaged Community (DAC) Benefits that are not less than 110% of the ratio of the DAC population to the total population in each WA (i.e., DAC Benefit Ratio) (%)
- Proportion of Municipal Program funds spent on new Projects or Programs (%)

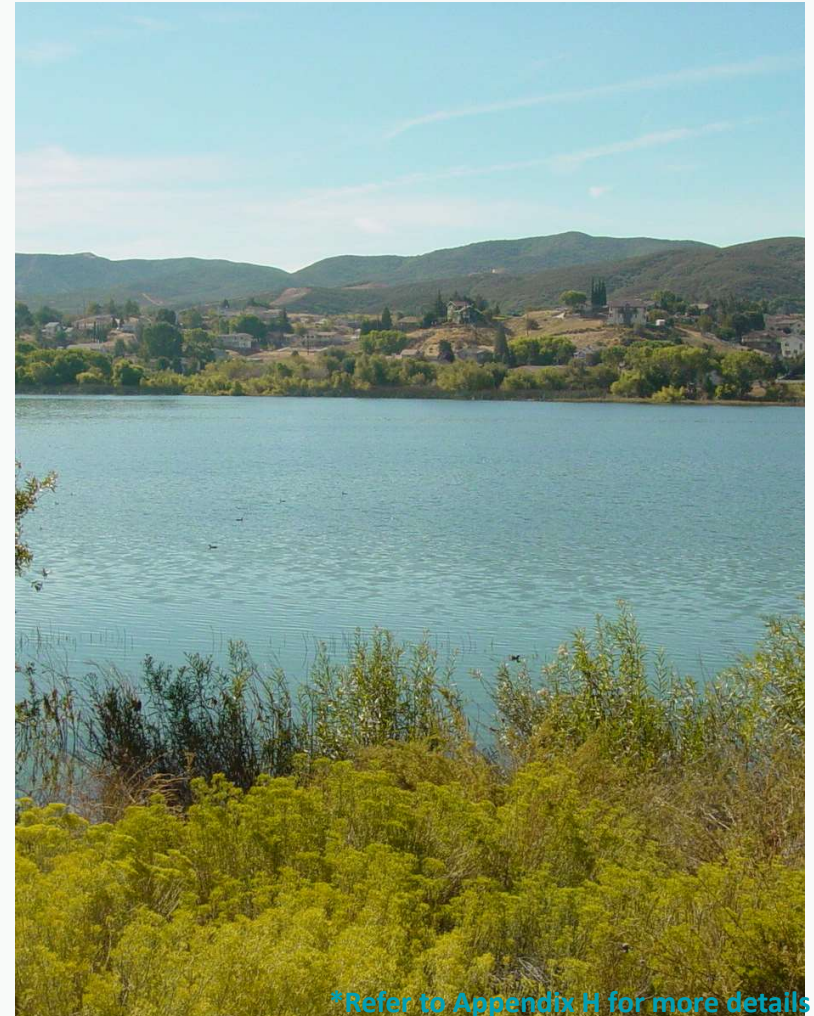
Table H-43 DAC benefit ratio target references and methods

| Indicator | Benefit Ratio (%) |
|---|---|
| Key Efforts & Countywide Targets Referenced | <ul style="list-style-type: none"> • SCW Program Ordinance 16.05.D.1.d; LINK |
| WA Characteristic Data Source(s) | <ul style="list-style-type: none"> • LA County DAC Areas; LINK • 2020 Census Tracts; LINK |
| Methods & Considerations | <ul style="list-style-type: none"> • The target for the "DAC Benefit Ratio" is determined using 110% of the proportion of DAC population to total population |

**Refer to Appendix H for more details*

Equitably Distribute Benefits: SCR

- Focus on maintaining natural features, improving livelihoods of underserved people and school-age children and teens, and deepening connections with research institutions, community-based organizations, and businesses that specialize in NBS.



[*Refer to Appendix H for more details](#)

Equitably Distribute Benefits: SCR Baselines

DAC Benefit Ratio (%) Baselines

Table H-41 Equitably Distribute Benefits baselines

| Watershed Area | Equitably Distribute Benefits (Goal J, K) | | |
|----------------|--|-------------------|--|
| | Baselines | | |
| | Source: Reporting Module; calculated | | $C = (A \times 50 + B \times 10) / 60$ |
| | A | B | C |
| | DAC Water Quality Benefit Ratio (%) ¹ | DAC CIB Ratio (%) | DAC Benefit Ratio (%) |
| SCR | 90% | 48% | 55% |

¹ Zinc load reduction used for SCW Program DAC Water Quality Benefit Ratio calculation.

Proportion of Municipal Program Funds Spent on New Projects or Programs (%) Baselines

Table H-42 Equitably Distribute Benefits baselines

| Watershed Area | Equitably Distribute Benefits (Goal J, K) | | |
|----------------|--|---|---|
| | WA Characteristics | | Baselines |
| | Source: Reporting Module | | $C = A / B$ |
| | A | B | C |
| | Eligible Municipal Program Expenditures ¹ for New Activities (\$) | Total Eligible Municipal Program Expenditures ¹ (\$) | Proportion of Municipal Program Funds Spent on New Projects or Programs (%) |
| SCR | \$8.43M | \$12.9M | 65% |

¹ Counts eligible expenditures reported in FY20-21 to FY23-24 Municipal Annual Reports and allocations reported in FY24-25 Municipal Annual Plans.

***Refer to Appendix H for more details**

Equitably Distribute Benefits: Baseline – DAC Benefit Ratio Methodology

Table H-40 DAC benefit service areas

| Benefit | Default Project Service Area |
|---|--|
| <ul style="list-style-type: none"> Creation, enhancement, or restoration of parks, habitat, or wetlands; Enhanced or new recreational opportunities; Improved public access to waterways | Variable based on Project size ¹ : <ul style="list-style-type: none"> < 3 acres (small) = ¼ mile 3 to 10 acres (medium) = ½ mile 10+ acres (large) = 2 mile |
| <ul style="list-style-type: none"> Greening of schools (creation of green space, habitat, and/or tree canopy) | 2 miles |
| <ul style="list-style-type: none"> Reducing local heat island effect and increasing shade; Increasing number of trees and/or other vegetation at the site location that will increase carbon reduction/ sequestration and improve air quality | ¼ mile |
| <ul style="list-style-type: none"> Water Quality Benefits | Auto-calculated based on Project's Watershed Management Group |
| <ul style="list-style-type: none"> Improved flood management, flood conveyance, or flood risk mitigation | TBD/user-defined ² |
| <ul style="list-style-type: none"> Other Community identified benefits | TBD/user-defined ² |

¹ Informed by Accelerate Resilience Los Angeles Working Group recommendations.

² To be defined and data collection tools adapted through future Watershed Planning efforts.

Project Scale:

$$A. \text{Project DAC WQ Benefit Ratio} = \frac{\text{Project Pollutant Load Reduction}}{\text{Total SCW Program Project Pollutant Reduction in WMG}}$$

$$B. \text{Project DAC CIB Ratio} = \frac{\text{DAC Population in Project CIB Service Area}}{\text{Total Population in Project CIB Service Area}}$$

$$C. \text{Project DAC Benefit Ratio} = \frac{A * 50 + B * 10}{60}$$



WA Scale:

$$A. \text{WA DAC WQ Benefit Ratio} = \frac{\text{Total Pollutant Load Reduction by SCW Program Projects Benefiting DACs in the WA}}{\text{Total SCW Program Project Pollutant Reduction in the WA}}$$

$$B. \text{WA DAC CIB Ratio} = \frac{\text{Total DAC Population in Project CIB Service Areas across the WA}}{\text{Total Population in Project CIB Service Areas across the WA}}$$

$$C. \text{WA DAC Benefit Ratio} = \frac{A * 50 + B * 10}{60}$$

***Refer to Appendix H for more details**

Equitably Distribute Benefits: SCR Targets and Needs – DAC Benefit Ratio

Table H-44 DAC benefit ratio WA characteristics and targets

| Watershed Area | Targets | Baseline |
|----------------|---|-----------------------|
| | $A = 110\% \times (\text{DAC Pop.} / \text{WA Pop.})$ | <i>Calculated</i> |
| | A | -- |
| | Required SCW Program DAC Benefit Ratio (%) | DAC Benefit Ratio (%) |
| SCR | 12% | 55% |

**Refer to Appendix H for more details*



Equitably Distribute Benefits: SCR Targets and Needs – Proportion of Municipal Program Funds Spend on New Projects or Programs (%)



Figure H-6. Proportion of Municipal Program funds spent on new Projects or Programs (%) targets

[*Refer to Appendix H for more details](#)

Equitably Distribute Benefits: SCR Strategies

| Santa Clara River Watershed Area Strategies and Actions  | | | |
|---|---|---|---|
| Equitably Distribute Benefits  | | | SCW Program Goals J, K |
| Watershed Area Needs (by 2045) | | <div>at least 12% DAC Benefit Ratio (%)</div> | <div>at least 70% Proportion of Municipal Funds Spent on New Projects or Programs (%)</div> |
| Strategies | Action(s) | Who Should be Involved | |
| 6.1 Consider historic land use disparities and environmental justice metrics across the SCW Program area* | 6.1.1 Prioritize Projects and Programs in historically underserved communities and those with heightened vulnerability to climate hazards. Use the <i>Opportunity to Provide Benefits to DACs</i> and <i>Multiple Benefit Opportunity Across Planning Themes</i> layers to guide equitable Project and Program planning and implementation. | NEAR TERM | Public Works, WASCs, Municipalities, Project & Program proponents |
| 6.2 Advance equity and prioritize new investments particularly in communities not currently served by a SCW Program Project or Program | 6.2.1 Prioritize implementation of high-impact water quality Projects and Programs (see strategy 1.1), especially in areas identified by the <i>DAC Benefit Opportunity</i> layer, to expand and enhance Water Quality Benefits for climate-vulnerable communities, DACs, and Municipalities. | NEAR TERM | Public Works, WASCs, Municipalities, Project & Program proponents |
| | 6.2.2 In combination with 6.2.1., provide benefits to DACs that are not currently receiving CIBs from existing SCW Program Projects by leveraging the <i>DAC Benefit Opportunity</i> layer. Prioritize high-impact Projects and Programs located in areas with the greatest potential to deliver multiple benefits across Planning Themes, as identified in the <i>Multiple Benefit Opportunity Across Planning Themes</i> layer. Recall that all SCW Program Projects and Programs must provide Water Quality Benefits. | NEAR TERM | Public Works, WASCs, Municipalities, Project & Program proponents |
| | 6.2.3 Municipalities are to ensure that at least 70% of Municipal Program funds received are spent annually on eligible expenses related to new Activities (i.e., Projects or Programs implemented on or after November 6, 2018), as specified in Chapter 18 - SCW Program Implementation Ordinance, Los Angeles County Flood Control District Code. | NEAR TERM | Municipalities |

Equitably Distribute Benefits: SCR Opportunities

Table I-18. Provide Benefits to DAC opportunity data sources and analysis

| Data Source(s) | Key Attributes | Opportunity Analysis & Considerations |
|---|---|---|
| SB535 DAC Area 2022 | Extent of DAC boundaries | <ul style="list-style-type: none"> Extent of SB535 DACs areas were spatially joined with SSI score to be classified into low, med, or high categories. Areas with 0.25 miles walking distance from an existing SCW Program Project. |
| Social Sensitivity Index | Entries with "Low", "Med", or "High" in the SoVI_Third field name | |
| Walksheds Metrics and Monitoring Study (direct from Public Works) | Entries within 0.25 miles of a Project | |

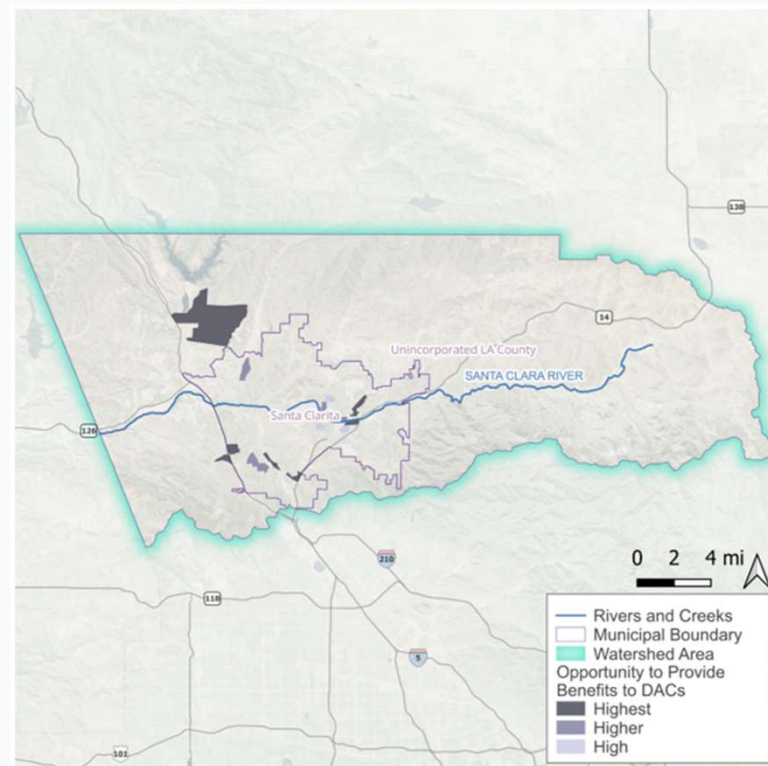


Figure I-11. Opportunity to Provide Benefits to a DAC

***Refer to Appendix I for more details**

COMMUNITY INVESTMENT

Planning Theme: Prioritize Meaningful Engagement

Prioritize Meaningful Engagement

Meaningful engagement is fundamental to the achievement of all Goals.



The SCW Program takes a collaborative approach to address the Los Angeles region's water resilience challenges.

The Initial Watershed Plans prioritize meaningful engagement and synthesize key efforts to date to inform WA characteristics, targets, and strategies that support strategic funding decisions and achievement of SCW Program Goals.



Municipalities

SCW Program Governance Committees

- Watershed Area Steering Committees
- Scoring Committee
- Regional Oversight Committee

SCW Program Watershed Coordinators

SCW Program Initial Watershed Plan Engagement

Community Members, Community-based Organizations, and Interested Parties

Subject Matter Experts/SCW Program Consultants

Los Angeles County Public Works Staff

Prioritize Meaningful Engagement: Indicator

- All Projects to meet a minimum
“level of achievement (good/better/best)” (%)



Prioritize Meaningful Engagement: NSMB Baselines

Table H-51. *Prioritize Meaningful Engagement* baselines and forecasts

| Watershed Area | Prioritize Meaningful Engagement Indicator Baselines | |
|----------------|--|---|
| | <i>Source: Regional and Municipal Program Project Data Gap</i> | |
| | All Projects to Meet a Minimum "Level of Achievement" (%) | |
| | Level of Achievement for Community Engagement | Level of Achievement for Tribal Engagement |
| NSMB | 43% | 14% |

**Refer to Appendix H for more details*

Prioritize Meaningful Engagement: Target and Need






[*Refer to Appendix H for more details](#)

Prioritize Meaningful Engagement: NSMB Strategies

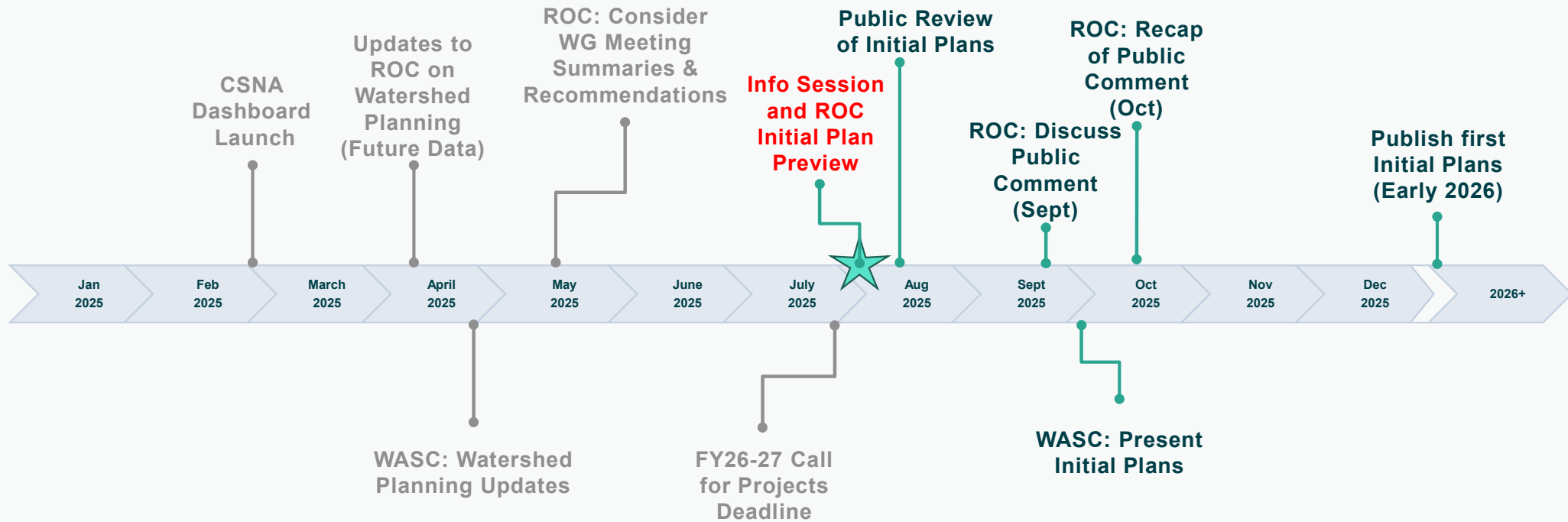
| North Santa Monica Bay Watershed Area Strategies and Actions | | | |
|--|--|---|--|
| Prioritize Meaningful Engagement | | | |
| Watershed Area Needs (by 2045) | | 100% All Projects to Meet a Minimum "Level of Achievement" (%) | |
| Strategies | Action(s) | | Who Should be Involved |
| 9.1. Promote meaningful and sustained outreach and engagement through regional coordination and expertise | 9.1.1 Integrate findings from prior engagement efforts—such as the CSNA and other Countywide and local initiatives—into Project and Program-specific outreach strategies. Tailor engagement activities to reflect and acknowledge community-identified priorities, concerns, and aspirations. By building on existing input, this approach fosters trust, avoids redundancy, and ensures that engagement efforts are both responsive and relevant to the communities they aim to serve. | NEAR TERM | Project & Program proponents |
| | 9.1.2 Utilize the SCW Program Engagement Calendar to identify and align with existing local and Countywide events, meetings, and outreach efforts. By coordinating participation in already-established community gatherings, Project and Program proponents and Watershed Coordinators can increase visibility, reduce outreach fatigue, and engage residents in familiar, trusted spaces. | NEAR TERM | Project & Program proponents |
| | 9.1.3 Develop a centralized, user-friendly online platform—coordinated in partnership with Watershed Coordinators—to serve as a Clearinghouse for outreach and engagement resources and which will be integrated with the SCW Program Portal. This platform would include a directory of potential partnership opportunities, funding leads, and event calendars. | NEAR TERM | Public Works, Watershed Coordinators |
| | 9.1.4 Conduct a comprehensive evaluation of the SCW Program Public Education and Community Engagement Grants Program to assess its effectiveness in advancing the Program's Goals. This evaluation should analyze the reach, impact, and inclusivity of funded initiatives. Based on the findings, consider extending and enhancing the Grants Program to support sustained, community-driven engagement and education efforts. | LONG TERM | Public Works, Watershed Coordinators |
| 9.2. Develop and bolster existing resources and support for Project and Program-specific engagement | 9.2.1 Enhance the existing engagement assessment criteria, such as the Good/Better/Best framework, to ensure consistent and effective engagement across the SCW Program. This enhancement should involve developing clear metrics, incorporating feedback mechanisms, and providing guidance and trainings for proponents to apply the enhanced framework effectively. | NEAR TERM | Public Works, Watershed Coordinators |
| | 9.2.2 Establish a roster of CBOs and non-governmental organizations (NGOs) that could support engagement and Project Concept development (<i>as suggested in the 2024 SCW Program Biennial Progress Report</i>). | LONG TERM | Public Works, Watershed Coordinators |
| | 9.2.3 If established (see 9.2.2), refer to the SCW Program's roster of CBOs and NGOs to seek technical support for Project Concepts as well as support with engagement, particularly in DACs. | LONG TERM | Project & Program proponents, Municipalities |

Figure 5-25. Prioritize Meaningful Engagement: strategies and actions to address NSMB WA Needs and achieve Goals

Prioritize Meaningful Engagement: NSMB Strategies

|  North Santa Monica Bay Watershed Area Strategies and Actions  | | |
|---|---|--|
|  Prioritize Meaningful Engagement | | |
| Strategies | Action(s) | Who Should be Involved |
| 9.2. Develop and bolster existing resources and support for Project and Program-specific engagement (continued) | 9.2.4 Strengthen the role of Watershed Coordinators by utilizing their expertise in engagement, education, and capacity building to support the following activities: <ul style="list-style-type: none"> Identify and communicate community priorities by analyzing CSNA findings to understand key community-stated priorities, concerns, and community-identified Project locations. Share these insights with the WASC and incorporate into the Strategic Outreach and Engagement Plans to inform Project and Program development and prioritization. Facilitate coordination among Project proponents and Municipalities to identify synergies, address overlapping or nested Projects, and promote right-sized or co-planned Projects that maximize benefits and avoid conflicts. Provide support and trainings for SCW Program Portal Tools (e.g., Planning Tool, Projects Module, Reporting Module) and to share best practices for meaningful engagement. This includes helping Project proponents and Municipalities understand and apply the Good/Better/Best engagement framework. Organize collaborative forums, training sessions, and workshops to help interested parties navigate SCW Program processes and reduce participation barriers. | LONG TERM Public Works, Watershed Coordinators |
| | 9.3. Promote fire-adapted communities through enhanced education and outreach | 9.3.1 Promote community workshops or engagement programs that explain how green infrastructure can support wildfire resilience. NEAR TERM Public Works, Watershed Coordinators 9.3.2 Emphasize co-benefits of stormwater investments—like cooling, vegetation health, and fire safety—to increase public awareness and support. LONG TERM Public Works, Project & Program proponents 9.3.3 Collaborate with fire agencies, emergency managers, and fire risk mitigation experts during Project implementation, especially when Projects are sited in wildland-urban interface or high-risk zones. LONG TERM Project & Program proponents, Municipalities |

SCWP Watershed Planning Timeline for 2025



Q&A - Part 2

Please use the chat to ask questions regarding the Technical Deep Dive of the Watershed Plan Planning Themes.

Questions and answers will also be distributed following the information session.



Thank you

QUESTIONS?

Contact:

watershedplanning@pw.lacounty.gov