SAFE CLEAN WATER PROGRAM

Watershed Planning Update South Santa Monica Bay Watershed Area

PRESENTED BY:

LOS ANGELES COUNTY PUBLIC WORKS
SCW WATERSHED PLANNING TEAM

May 21, 2025

What We're Covering Today

1. WASC Engagement Recap
2. Key Components of the Initial Watershed Plans
3. Initial Watershed Plans Use Cases
4. Community Strengths and Needs Assessment (CSNA)
5. Updated Adaptive Timeline and Next Steps

HOW WE ARRIVED AT THIS 3RD PHASE OF WATERSHED PLANNING

Phase 1 – Workshop

Reviewed SCW Program Goals and considered any uniqueness about the Watershed Area

Brainstormed strategies that this Watershed Area could prioritize in the coming years to help achieve SCW Program Goals.

Phase 2 – Check In

Reviewed and received feedback about how the Watershed Planning effort had incorporated Session 1 information.

Explained Target Setting, Baseline Analysis, and Needs Identification methods

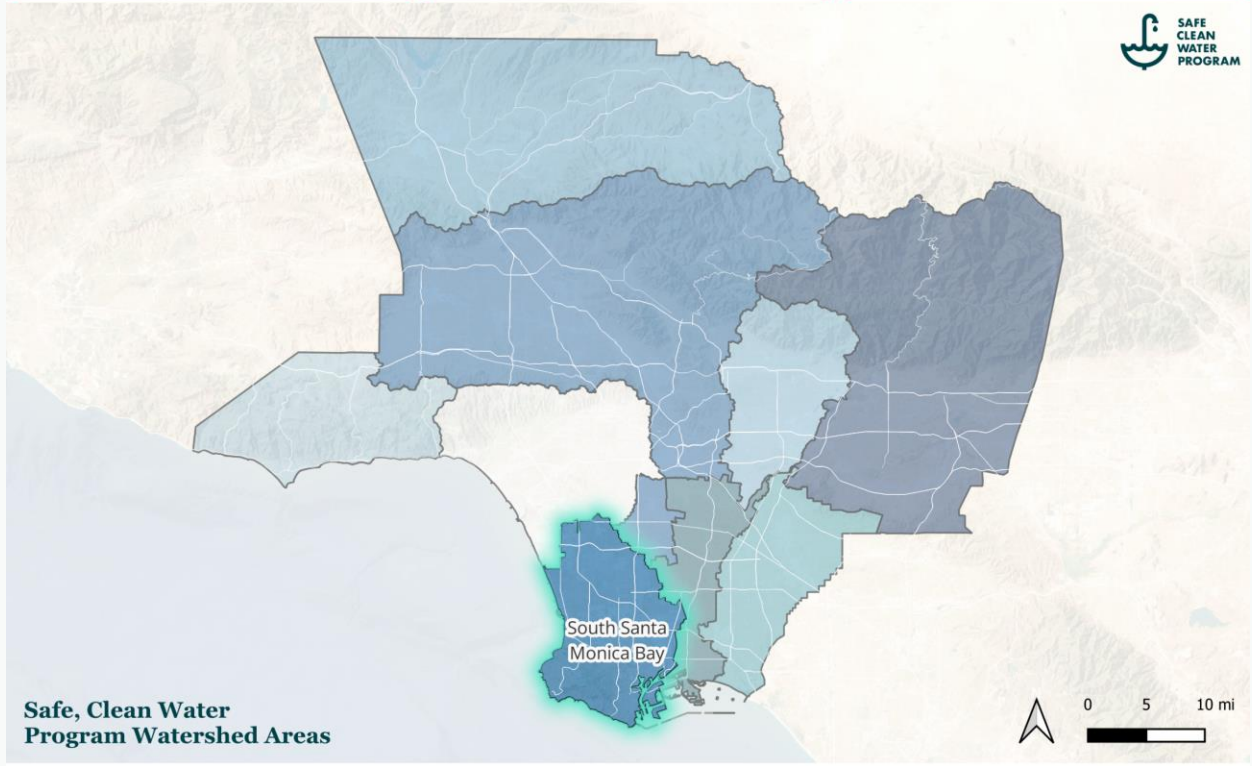
Previewed the Watershed Plans, Planning Tools, and the Community Strengths and Needs Assessment

South Santa Monica Bay Watershed Area Characteristics

Each WA has unique characteristics which will be highlighted in each specific Initial Watershed Plan

The Watershed Planning effort builds upon past work including the Metrics & Monitoring Study

Total Area 96,100 acres	**Impervious Area** 51,000 acres (53% of total area)	**Average Annual Stormwater Runoff** 33,500 ac-ft/yr
Local & Regional Park and Open Space 6,400 acres (7% of total area)	**"The South Santa Monica Bay is a lively, bustling watershed"** - South Santa Monica Bay WASC	**Required DAC Ratio** 30%



Percent Tree Canopy Cover 18%	**Total Population** 1,026,600 residents	**Managed Unconfined Aquifer** --
Watershed Management Program Implementation Cost $1.1B	**Limiting Pollutants** Zinc Total Phosphorus Bacteria	**Regional and Municipal Program Tax Collected to Date (FY20-25)** $155.3M

SSMB Watershed Area Baselines

Summarize investments to date by SCW Program and include data from funded projects (Regional and Municipal Programs)

South Santa Monica Bay Watershed Area
Regional and Municipal Program Summary

Infrastructure Projects Funded and Planned (FY20-25)

- 15 Regional Program
- 9 Municipal Program

SAFE CLEAN WATER PROGRAM

Project Types	
20 Wet & Dry Weather Capture	
4 Dry Weather Capture	

BMP Types			
7	Infiltration Facility	4	Diversion to Sanitary Sewer
1	Cistern	1	Bioretention
7	Infiltration Well	1	Bioinfiltration
1	Treatment Facility	-	Permeable Pavement
2	Green Street		

Total Capture Area Managed	Capture Area Sizes	Total Project 24-hour Storage Capacity
26,000 acres	14 < 0-200 acres 4 200 - 1,000 acres 5 >1,000 acres	485 ac-ft

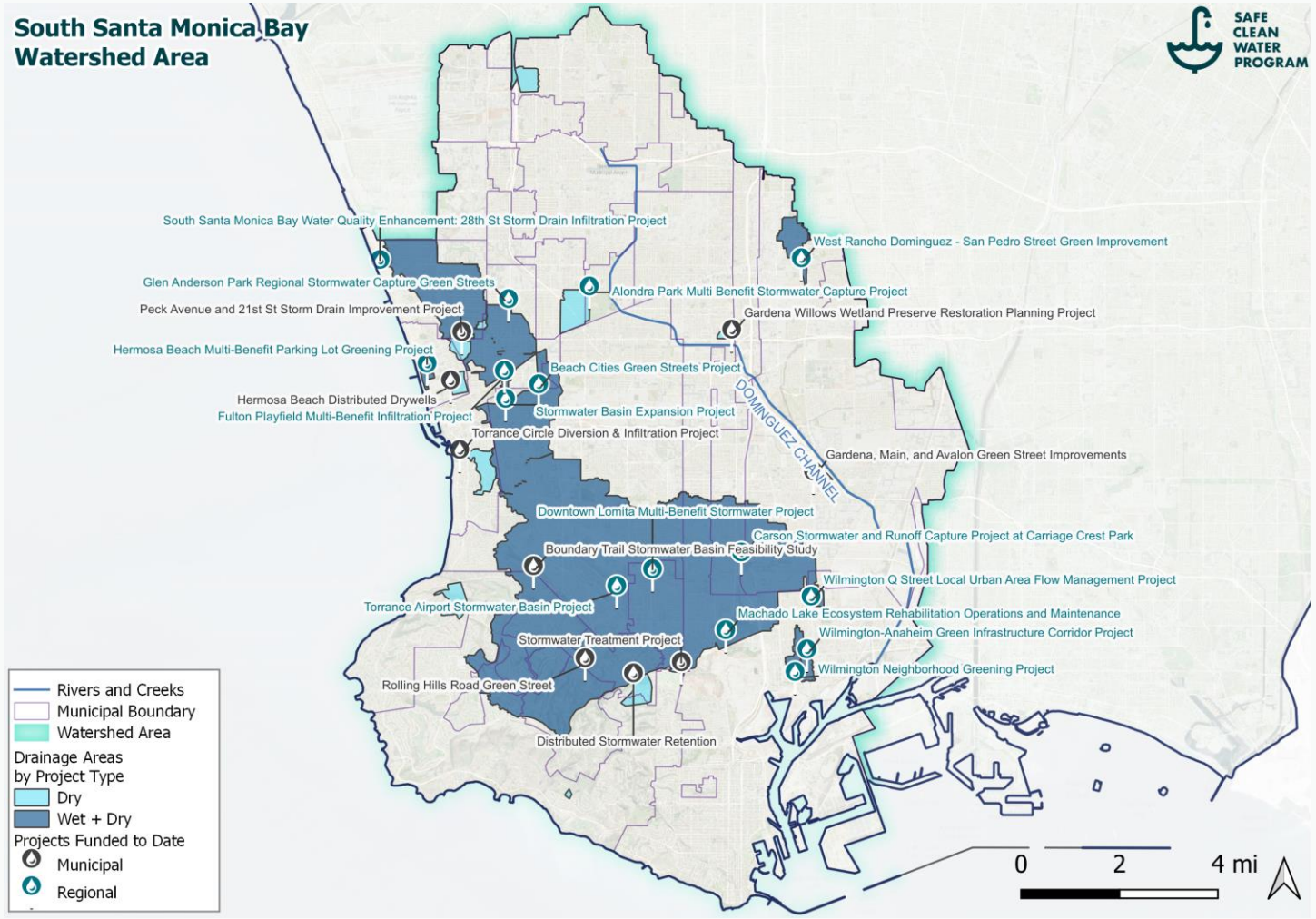
Total Cost Share Funding*	Budgeted and Projected to Date (FY20-25)	Projects Benefiting DACs	Projects Implemented Across
$47.0 Million	$85.5 Million	12 Projects	13 Municipalities

Primary Pollutants Addressed		Projects Providing Water Supply Benefits
3 Total Zinc	2 Total Phosphorus	1 Connected to Aquifer*
8 Bacteria	9 Other**	5 Connected to Wastewater Treatment for Reuse
2 Total Nitrogen		4 Uses Water Onsite

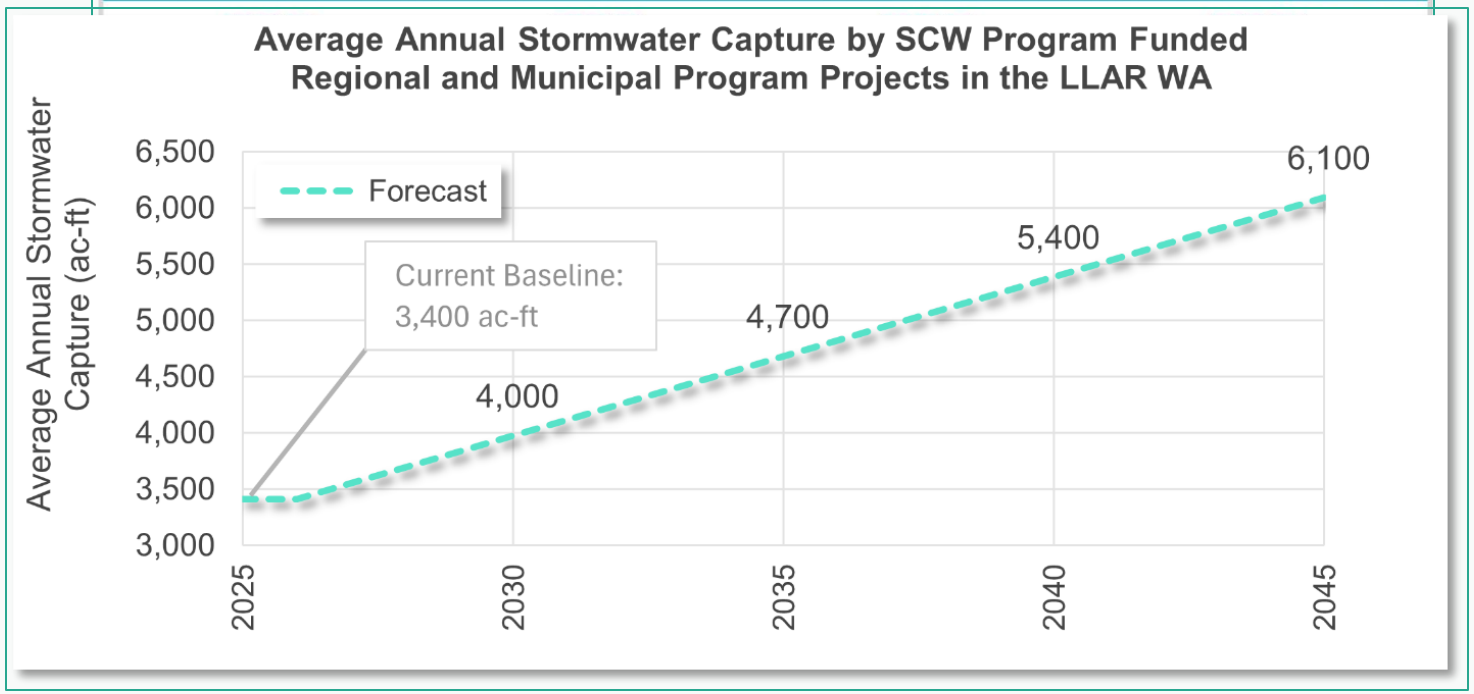
Projects Providing Community Benefits

19 Implements Natural Processes	2 Access to Public Waterways
19 Utilizes Natural Materials	11 Recreational Opportunities
10 Has Local Support*	1 Increase Green Spaces at Schools
23 Improves Flood Management	14 Reduce Heat Island Impacts
13 Enhances Habitat or Park Space	14 Increase Shade and Trees
10 Remove Impervious Area	

*Counts Regional Program Projects Only
**Primary Pollutant Addressed does not apply to Dry Weather Projects. "Other" includes Dry Weather Projects, Copper, Lead, Toxics, and Chlorides.



Forecasts



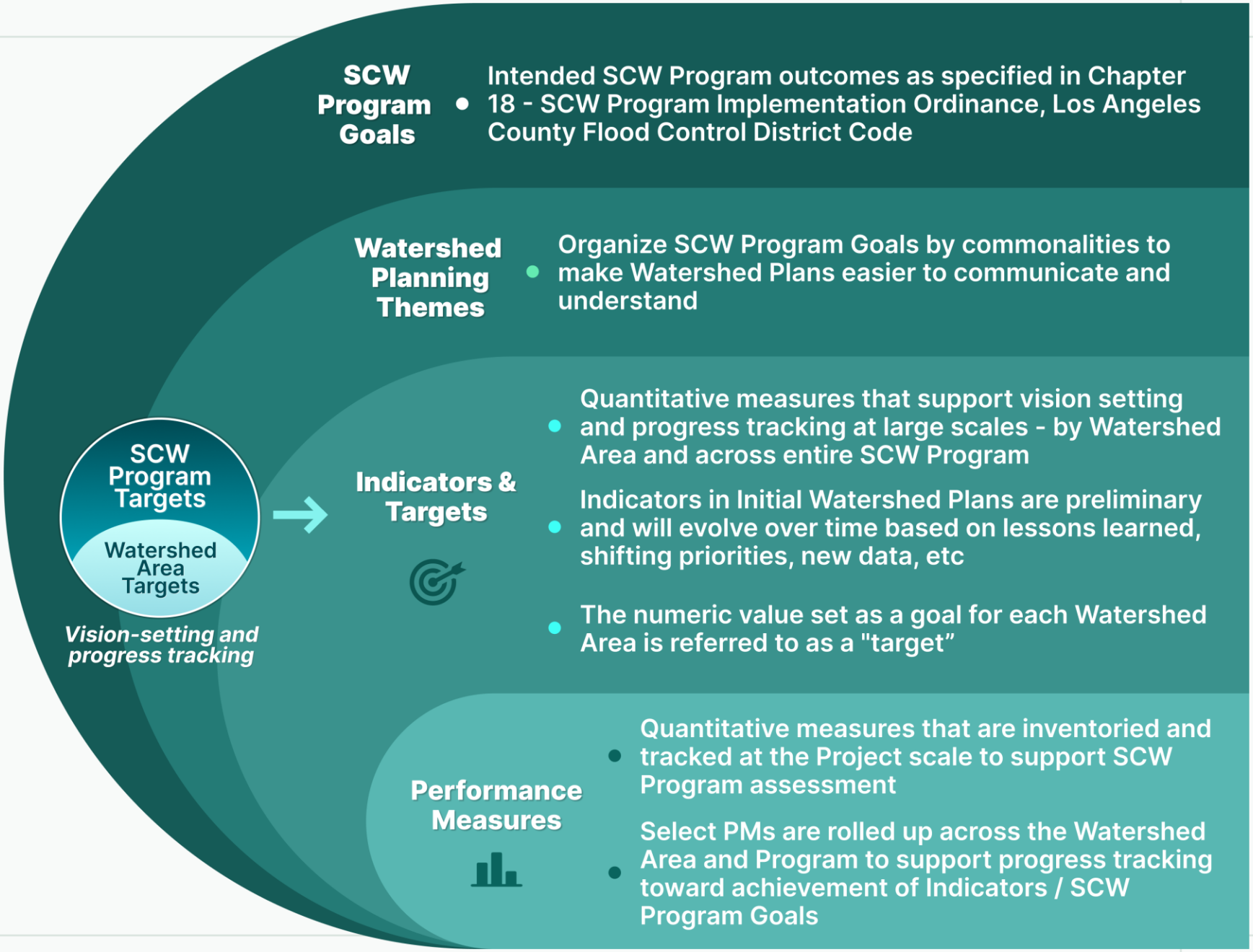
Benefit baselines and forecasts support development of Targets, identify Watershed Area Needs, and communicate progress

NOTE: LLAR Example

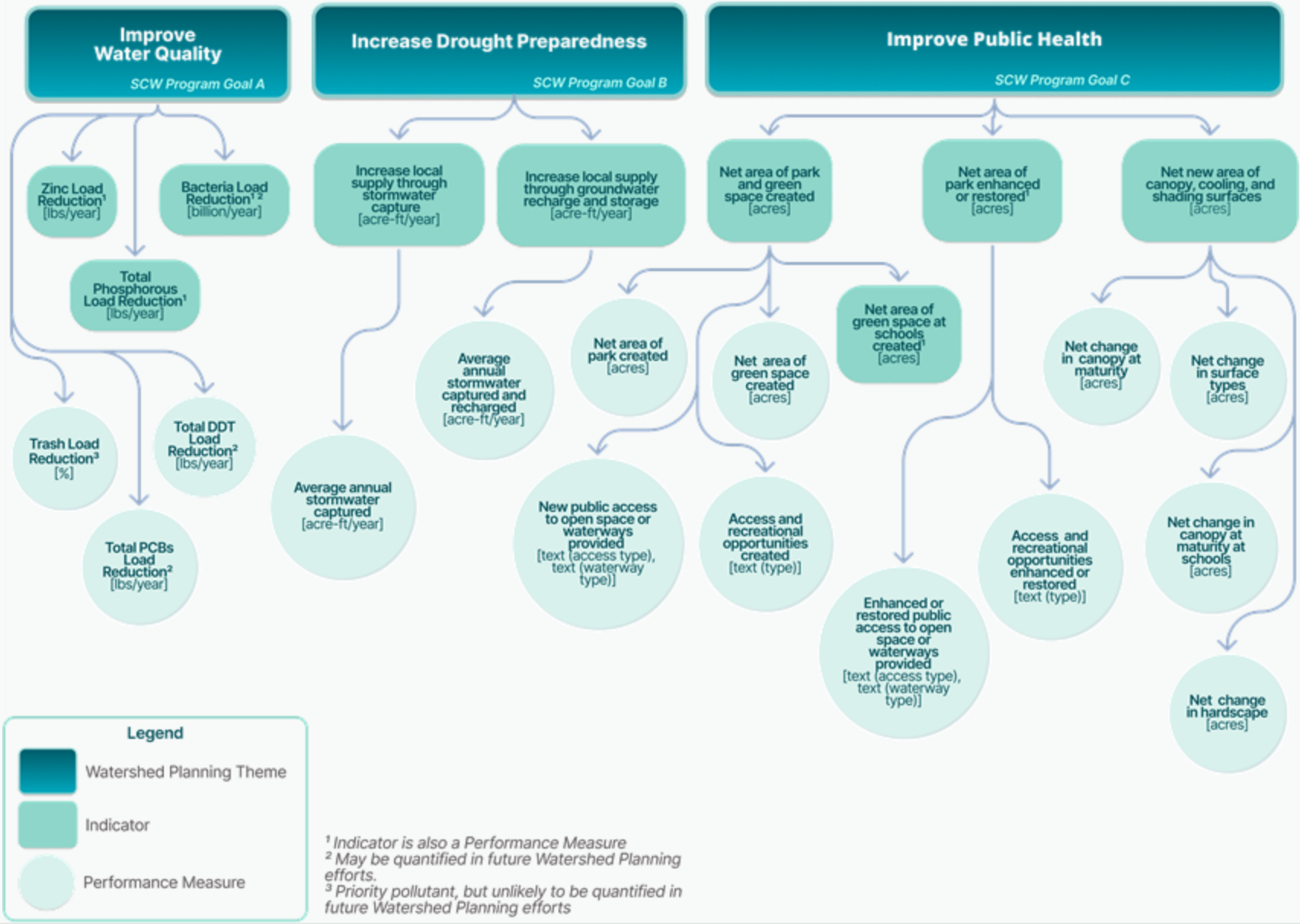
Targets & Performance Measures

Targets used for WA-scale vision setting and progress tracking

Performance measures track the program at the project-level



Planning Themes



[1] *Indicator is also a Performance Measure*
[2] *May be quantified in future Watershed Planning efforts.*
[3] *Priority pollutant, but unlikely to be quantified in future Watershed Planning efforts*

Planning Themes

Deliver Multi-Benefits with Nature-Based Solutions and Diverse Projects

SCW Program Goals E, F, G

- Net area of habitat created, enhanced, restored, protected[1] [acres]
  - Net area of wetland created, enhanced, or restored [acres]
- Proportion of Projects and Programs addressing a community-stated priority or concern[1] [%]
  - Flooding issue mitigated [Yes/No/Partial]
  - Community-stated priority or concern addressed [text (type), text (description)]
  - Quantity of Water Quality, Water Supply, and CIBs [quantity, text (type of benefit)]
- Project catchment area [acres]
  - Type of Stormwater Improvement [text (type), quantity (#)]
- Project footprint [acres]
  - Best Management Practice (BMP) footprint [acres]
  - BMP detailed characteristics [misc. per existing Project Module]
- NBS Placeholder (CWP NBS Task Force to inform)
  - NBS PM(s) TBD (CWP NBS Task Force to inform)

Leverage Funding & Invest in Research & Development

SCW Program Goals D, H, I

- New technologies or practices utilized [text (type)]
- Proportion of Project costs attributed to leveraged funding [%]
  - Leveraged Funding [$]
- Budget allocated to scientific research [$]
- Types of independent scientific research [text (type)]
- Annualized Project cost [$]
- SCW Goals addressed by scientific research [text (SCW Goal)]

Legend

- Watershed Planning Theme
- Indicator
- Performance Measure

[1] *Indicator is also a Performance Measure*

Planning Themes

Equitably Distribute Benefits

SCW Program Goals J, K

- Provide DAC benefits that are not less than 110% of the ratio of the DAC population to the total population in each WA [%]
- Proportion of Municipal Program funds spent on new Projects or Programs[1] [%]
- Project Water Quality Benefit ratio [% by Watershed Management Group & Municipality]
- Project DAC benefit ratio for CIBs [%]
- Is the Project within a DAC boundary [Yes/No]
- Does the Project provide benefit to DACs [Yes/No]

Promote Green Jobs & Career Pathways

SCW Program Goal M

- Quantity of Project or other activity employees hired through a SCW Program funded training program[1] [quantity(#)]
- Proportion of Projects entered into a Project Labor Agreement (PLA) (where applicable) [%]
- Quantity of Project or other activity employees who participated in SCW Program training programs during project execution[1] [quantity (#)]
- Project PLA Status [Yes/No]
- Total Project labor cost [$]
- Total Full-Time Equivalent (FTE) jobs created [quantity (#)]
- Annual FTE jobs created [quantity (#)]

Ensure Ongoing Operation & Maintenance

SCW Program Goal N

- Quantity of O&M plans (of all completed SCW Program Projects to date) sustaining intended project benefits [%]
- Is the O&M Plan being implemented to sustain intended project benefits [Yes/No]
- O&M Cost Ratio [%]
- O&M and Monitoring Funding Ratio [%]

Prioritize Meaningful Engagement

- Receipt of tribal feedback [Yes/No]
- All Projects to meet a minimum "Level of Achievement" [Good/Better/Best]
- Letters of support from community and tribes [text (type), text (source), quantity (#)]
- Level of Achievement for Community Engagement [Good, Better, Best]
- Level of Achievement for Tribal Engagement [Good, Better, Best]

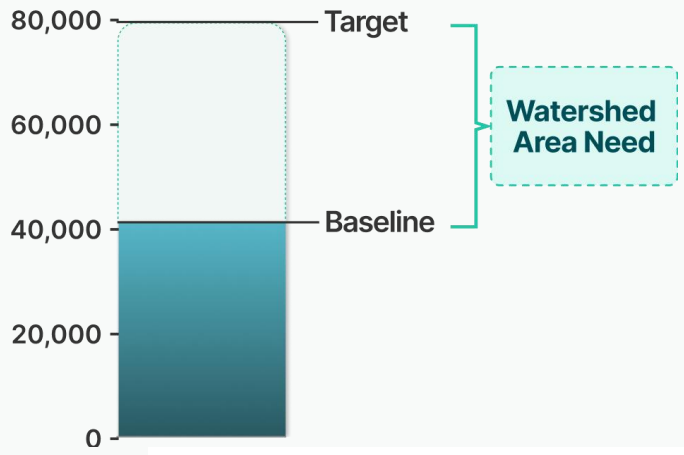
Legend

- Watershed Planning Theme
- Indicator
- Performance Measure

[1] *Indicator is also a Performance Measure*

Targets and Watershed Area Needs

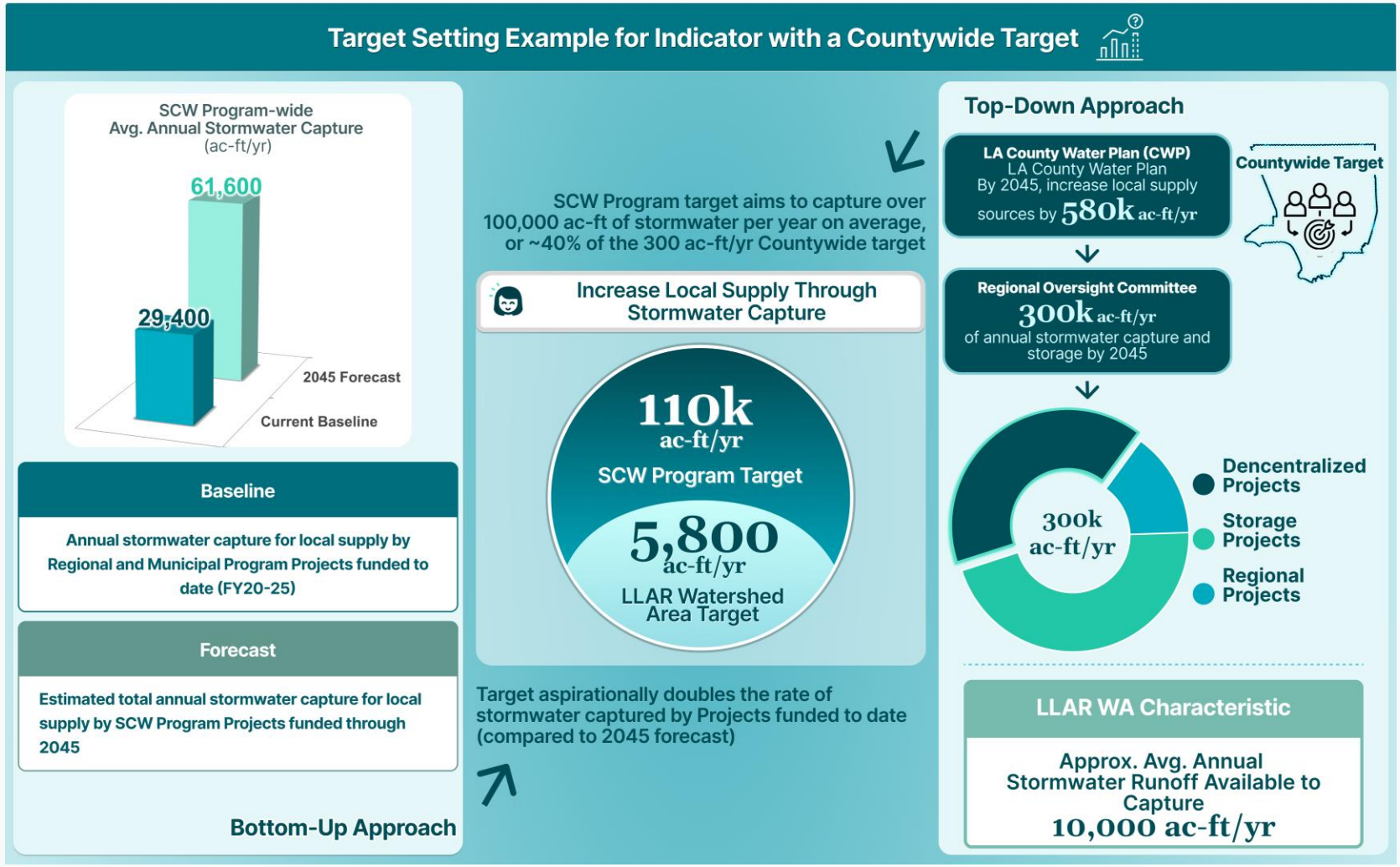
Targets are anchored in Countywide goals, when available.
The needs of each WA are calculated as the difference between baselines and targets.



Watershed Area Targets Example – w/ Countywide Target

Target aims to substantially contribute to the Countywide stormwater capture for local supply target of 300k ac-ft/yr

WA targets aim to accelerate progress by Projects funded to date and consider WA characteristics to determine each WA's contribution



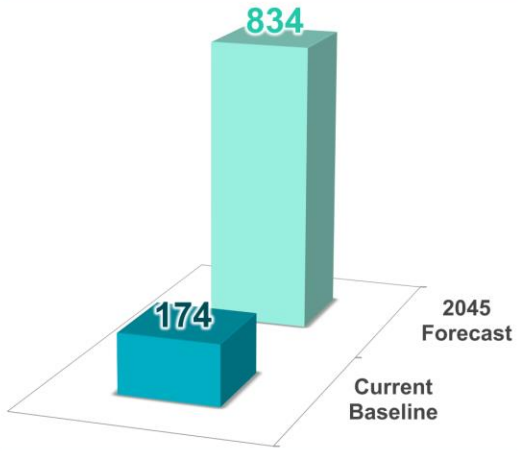
NOTE: LLAR Example

Watershed Area Targets Example – w/o Countywide Target

WA targets aim to accelerate progress by Projects funded to date and consider WA characteristics to determine each WA's contribution

NOTE: LLAR Example

Target Setting Example for Indicator without a Countywide Target



Baseline

Park Enhanced or Restored by Regional and Municipal Program Projects Funded to Date (FY20-25)

Forecast

Estimate of Potential Benefits by SCW Program Funded Projects

Bottom-Up Approach

Target aims to enhance or restore over 200 acres of park space, which equates to ~24% of the existing park space in High and Very High need areas

Net Area of Park Enhanced or Restored

1,200 acres
SCW Program Target

200 acres
LLAR Watershed Area Target

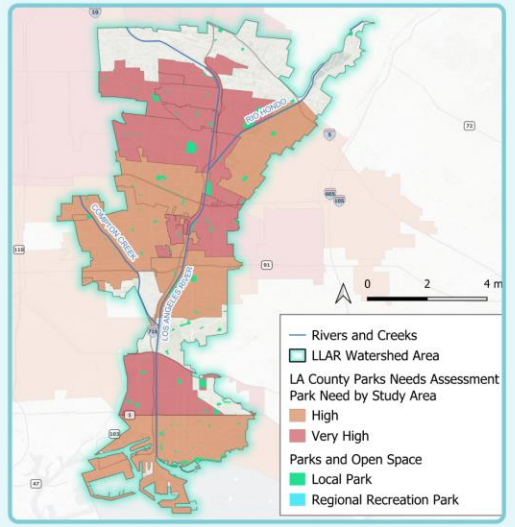
Target aspirationally increases the rate of park space enhanced or restored by ~150% (compared to 2045 forecast)

Top-Down Approach

LLAR WA Characteristic

Total Area of Existing Local and Regional Parks by Need Category

High - 370 acres
Very High - 450 acres
Total - 820 acres

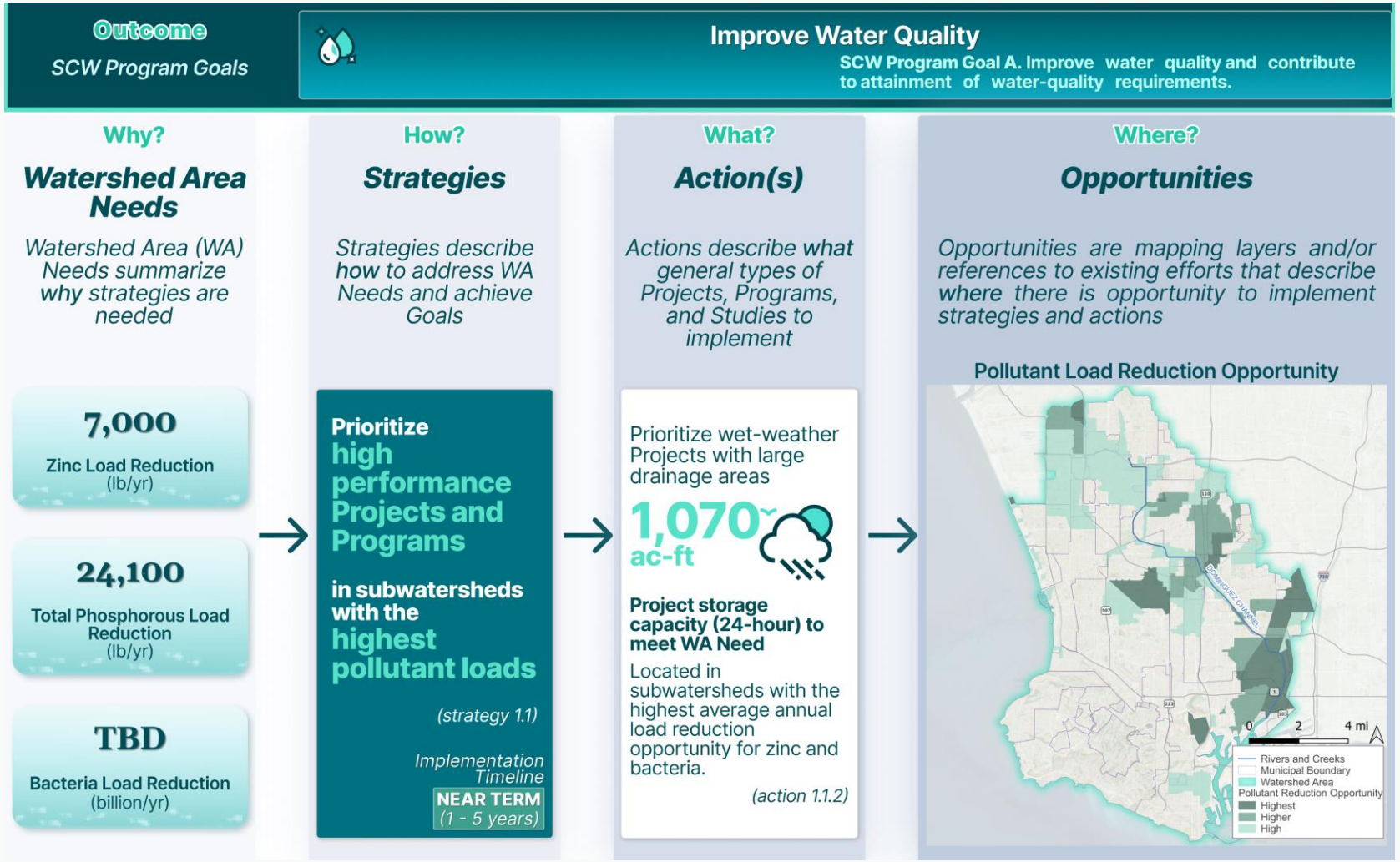


SSMB WA – Needs to Opportunities

Strategies are outlined for addressing WA Needs, with an emphasis on achieving multiple benefits.

Actions provide specifics on the types of projects or programs that would support strategy implementation.

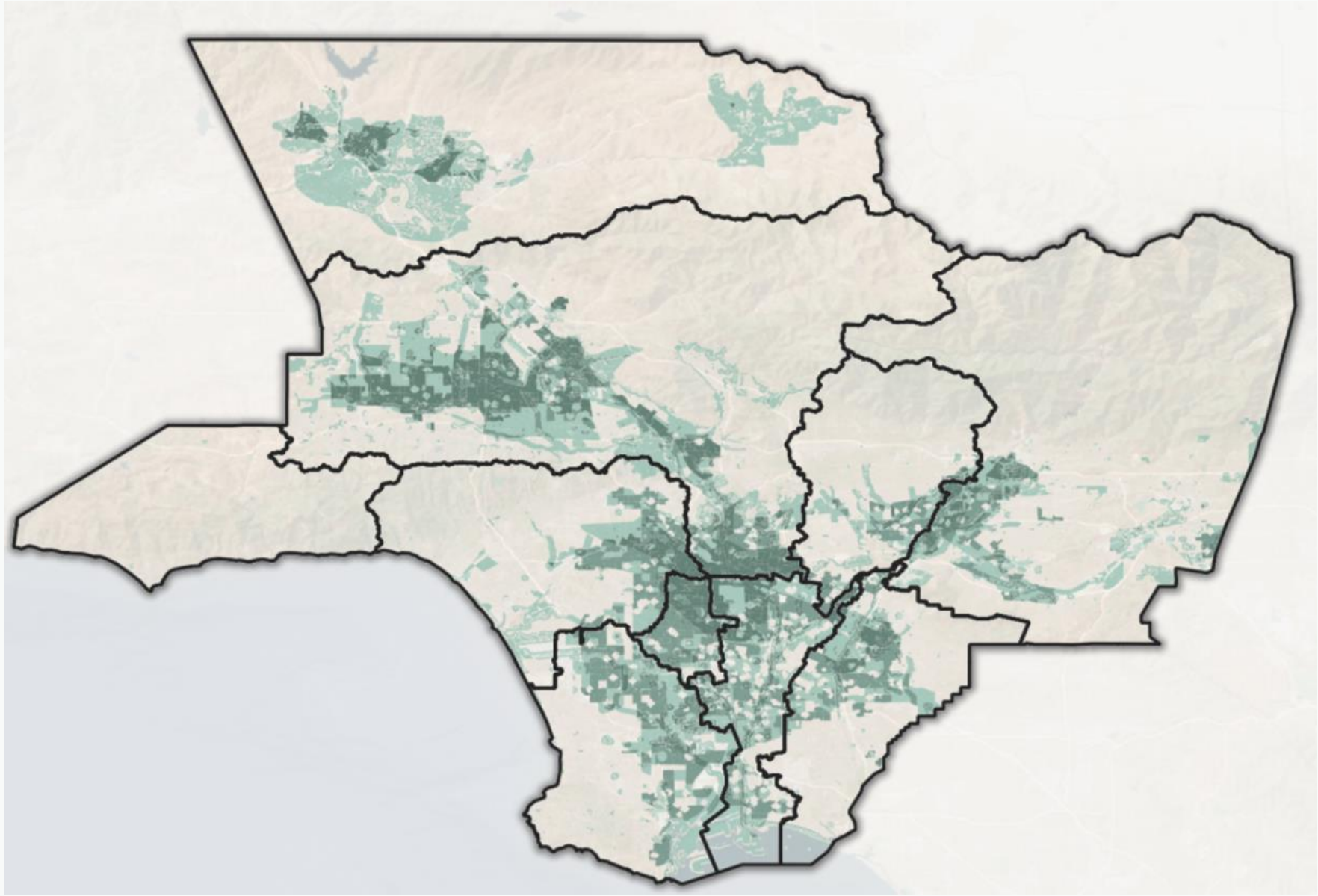
Opportunities are outlined to show where and how actions could be implemented to maximize return on investment.



Please note that these values and map are continuing to evolve and are subject to change

Multi-benefit Opportunities

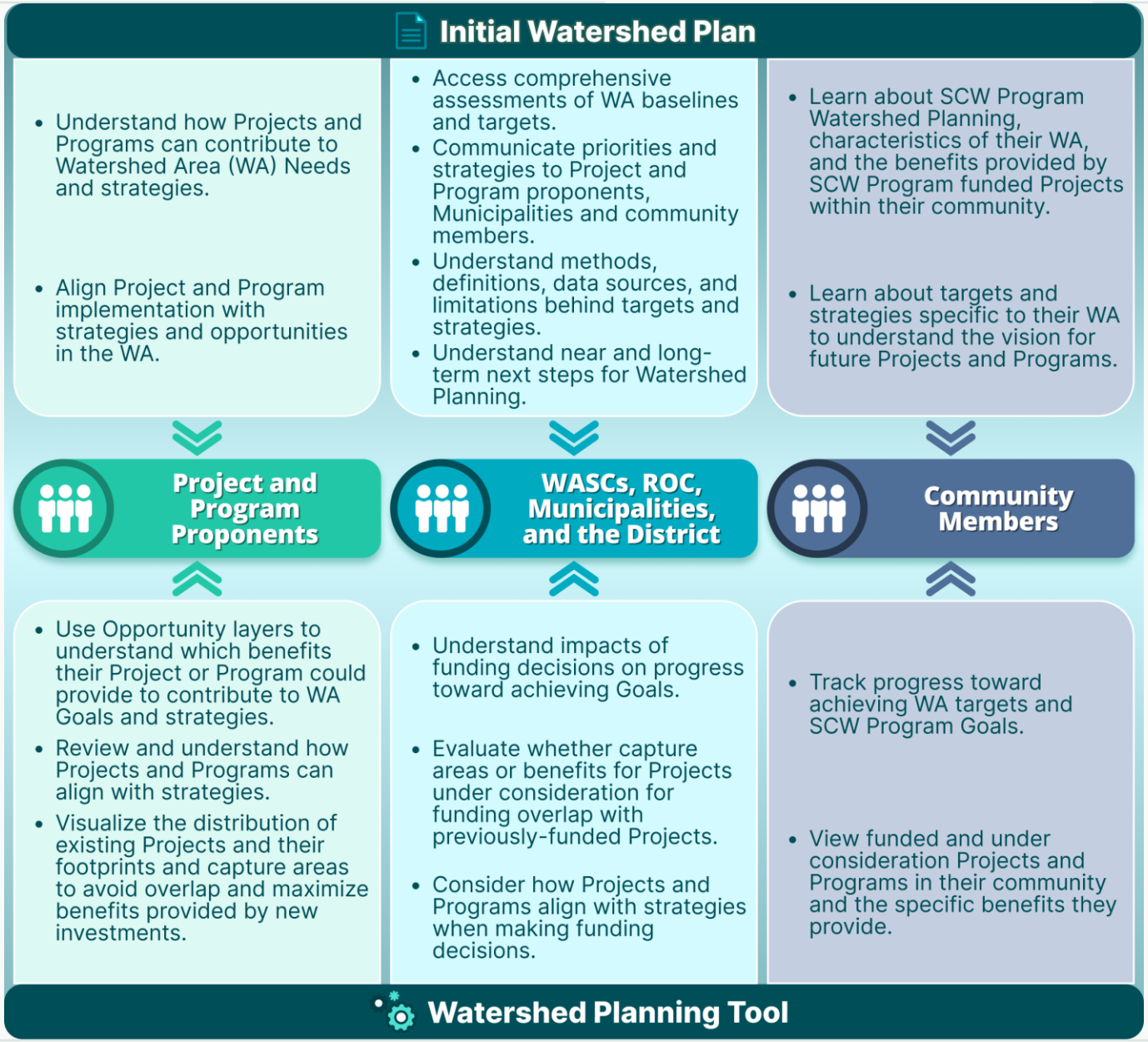
A composite opportunity layer will highlight areas with the most potential to address multiple benefits



Initial Watershed Plan and Planning Tool Use Cases

Planning Document and Living tool to facilitate decision making

Recurring updates will ensure best available data are continually used.



Watershed Area Planning Tool:

DEMO OF EARLY PROTOTYPE

How do you think these plans and tools will be useful to the watershed area, and the steering committee?

Community Strengths and Needs Assessment (CSNA)

CSNA: Survey

LA County Safe, Clean Water Program

Community Strengths & Needs Assessment Survey

The Safe, Clean Water Program wants YOUR INPUT about the things you like, and the things you would like to change, in your community.

Your response is completely anonymous.
This questionnaire will take approximately 5 minutes to complete and may be completed at your own pace.
All questions require a response except where noted as "optional."

To view the survey in another language, click **English-US** at the top of the page and select your preferred language.

SAFE CLEAN WATER PROGRAM

1. Think of one area of LA County that you know best. This could be the area where you live, work, study, or otherwise spend time.

What is the name of this community?*

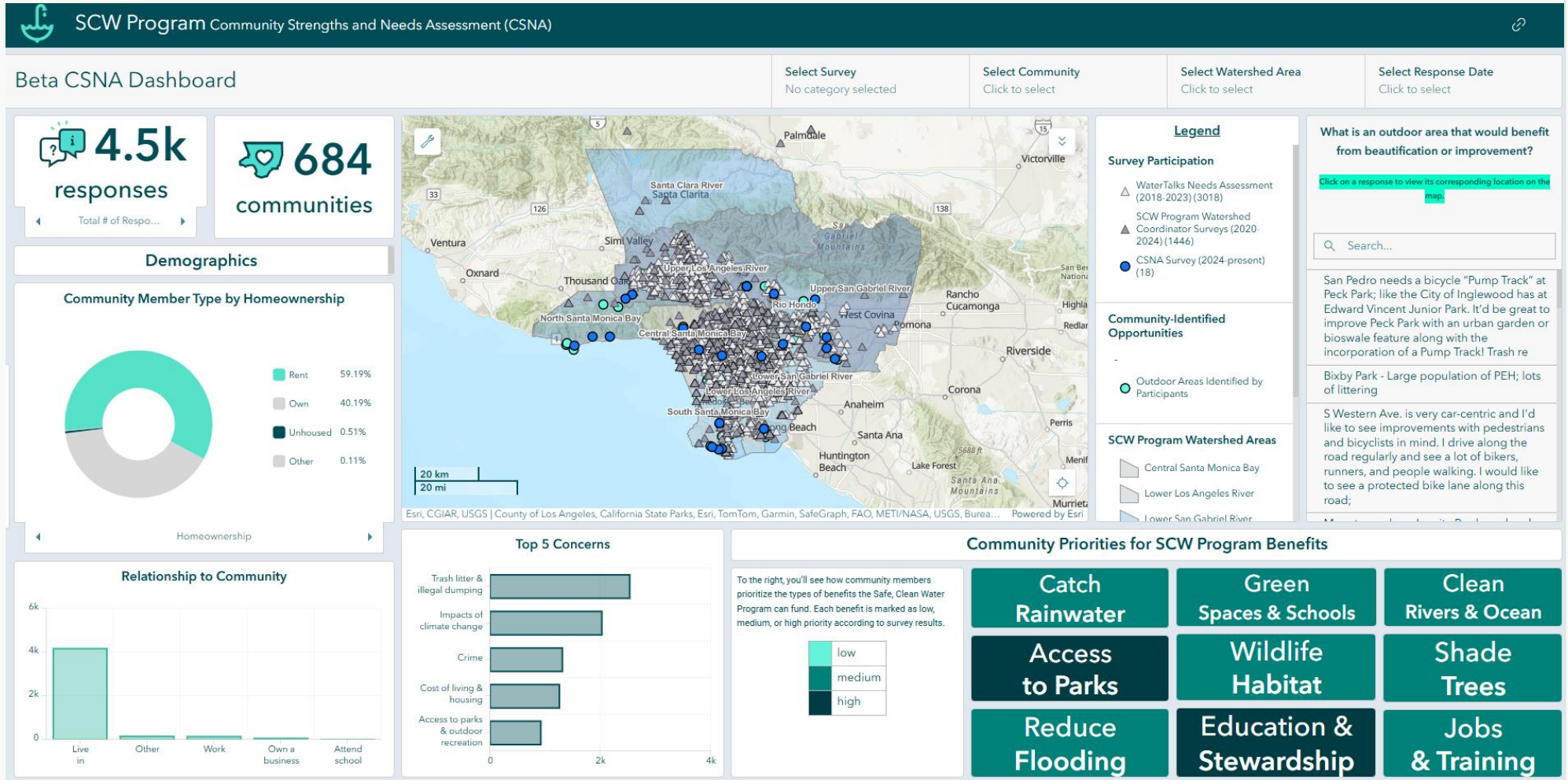
This can be a city (such as "Alhambra" or "Carson") or a neighborhood (such as "Boyle Heights" or "North Long Beach"). Please be as specific as possible.

1a. Please indicate this community on the map.

Click on the map to drop a pin or type in an address in the search bar to find that location.

CSNA Dashboard

Dashboard



CSNA: OUTREACH MESSAGING

LA County Public Works created a Community Strengths and Needs Assessment so that community members have a quick and easy way to share their knowledge with the people who are making decisions about what benefits projects should prioritize and what infrastructure projects to fund.

- You are an expert about your neighborhood.
- This Assessment is made possible by the Safe Clean Water Program, created by voters in LA County in 2018, to enhance our local water supply, clean our water and benefit our communities.

Participating is simple.

- The questionnaire has 11 questions, and some of them are optional, but we hope you can answer them all. It takes most people 3 to 5 minutes to complete.

For digital responses:

- Just hit the "submit" button once you've answered the questions you want to answer.

For paper responses:

- Try to write your answers as legibly as possible so that we can correctly record your responses.

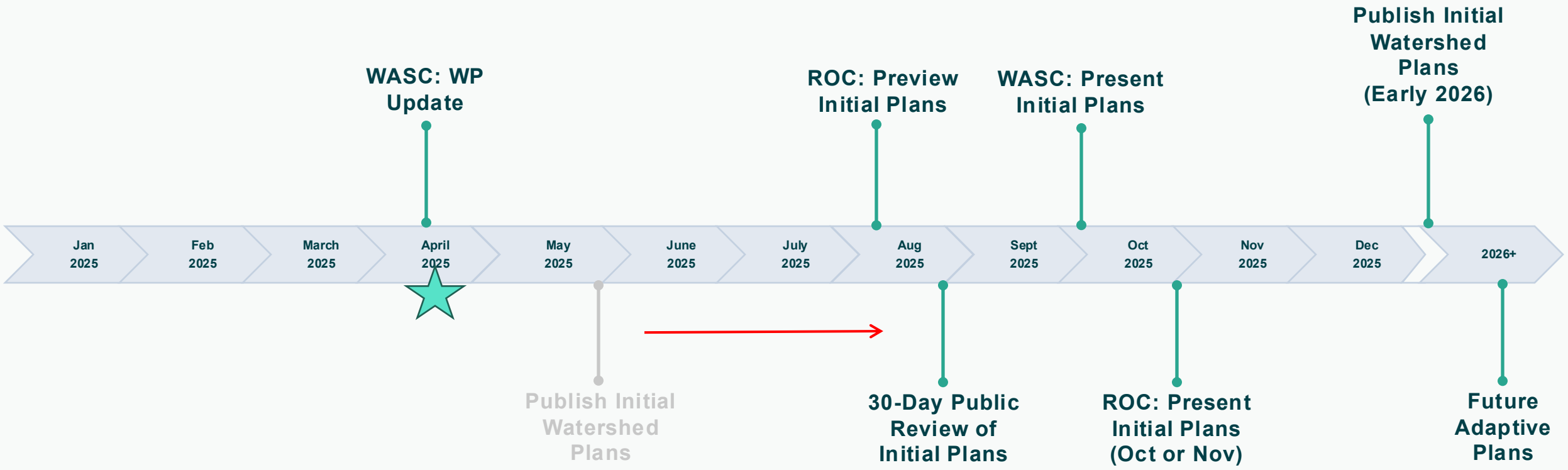
CSNA: REPORTING

Watershed Coordinators and Regional Coordination

- Will develop templates and guidance
- Annual summary presentations about the activity and results of the CSNA
- Summarizing insights from the Dashboard for WASCs during WC updates
- Strategic Outreach & Engagement Plans, and Annual Reports
  - Metrics from surveys
  - Summaries of community input

Q&A about CSNA

Tentative SCWP Watershed Planning Timeline



Thank you

QUESTIONS?

Contact:
watershedplanning@pw.lacounty.gov