

LOS ANGELES RIVER

MASTER PLAN UPDATE

Steering Committee Meeting #3



26 September 2018



WELCOME

Source: USACE, Los Angeles District, G-514 - Kelly Pipe Co Mission Road - 9-5-1930, <http://cespl.maps.arcgis.com/apps/MapSeries/index.html?appid=e15694dbf7c54f8c96285a0e74039e69>

The background image is a historical aerial photograph of the Los Angeles River valley, showing a patchwork of agricultural fields and the winding river. The entire image is overlaid with a semi-transparent blue filter. The title text is centered in a large, bold, white sans-serif font.

MEETING PURPOSE, AGENDA AND OBJECTIVES

Source: University of Southern California. Libraries & California Historical Society , Farmland and the Los Angeles River looking north from Elysian Park toward Mount Washington, 1895-1915

PURPOSE OF TODAY'S MEETING



MEETING AGENDA

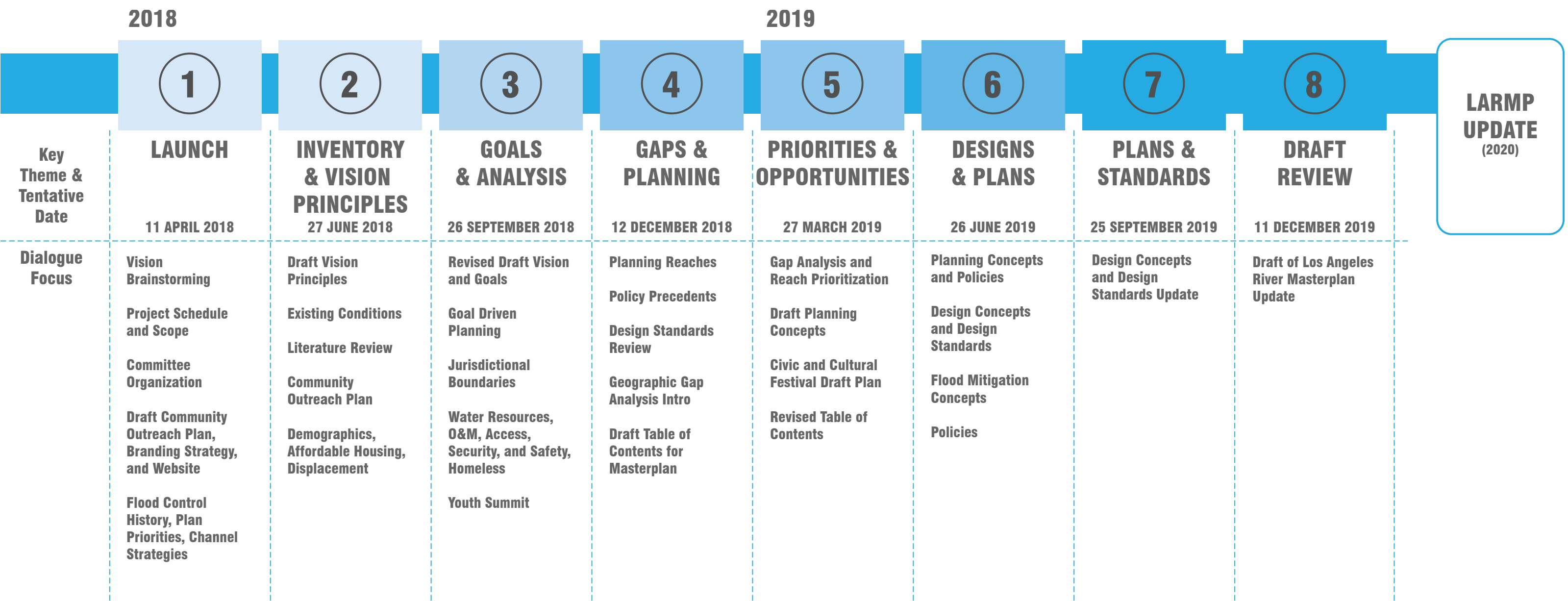
WELCOME AND MEETING PURPOSE	PUBLIC ENGAGEMENT UPDATE	SUBCOMMITTEE MEETINGS REPORT	DRAFT VISION, GOALS & IMPLEMENTATION FRAMEWORK	EXISTING CONDITIONS, INVENTORY & ANALYSIS	PUBLIC COMMENT	WRAP UP
<ul style="list-style-type: none">• Riverstory• Welcome• Introductions• Agenda and Objectives Overview• Steering Committee Updates	<ul style="list-style-type: none">• Community Meetings - Other Meetings• Input snapshot and Upcoming Dates• Youth Summit• Website Overview• Discussion/Q&A	<ul style="list-style-type: none">• Overview• Top Ideas for Revised Vision and Goals• Existing Conditions and Inventory Analysis Discussion Themes• Discussion/Q&A	<ul style="list-style-type: none">• Vision and Goal-Driven Plan Implementation• Revised Vision and Goals• Planning Frames• Discussion/Q&A	<ul style="list-style-type: none">• River Rulers• Access & Security• Water Resources• People Experiencing Homelessness• Operations & Maintenance• Discussion/Q&A	<ul style="list-style-type: none">• Verbal Comments• Comment Cards• Email Comments Anytime to LARiver@dpw.lacounty.gov	<ul style="list-style-type: none">• Important Upcoming Dates• December Agenda Overview• Community Outreach Activities

INPUT, QUESTIONS, IDEAS?
Contact Carolina Hernandez at (626) 458-4322
or LARiver@dpw.lacounty.gov



STEERING COMMITTEE UPDATES

STEERING COMMITTEE FRAMEWORK



GLOSSARY

100 Year Flood	Ecosystem	Injection Barrier	Riparian
500 Year Flood	Elevation	Invasive Species	River Mile
Access	Environmental Systems	Jurisdiction	River Rule
Active Transport	Equity	Levee	Safety
Aquifer	EWMP, WMP	Local Park	Spreading Grounds
Aquifer Recharge	Extant Vegetation	Low Flow Channel	Stormwater
Area Median Income	FEMA	Master Plan	Sustainability
Aspect	Flood Control Channel	Multi-Use Trail	Trapezoidal Section
Beneficial Use	Flood Control District	Native Species	Unconfined Aquifer
Best Management Practice	Flood Insurance	Outflow	Underserved
Box Channel	Floodplain	Perched Aquifer	Upland
Channel R.O.W.	Gap Analysis	Platform Park	US Army Corps of Engineers
Climate Change	Groundwater Basin	Potable Water	Water Quality
Community	Habitat	Regional Detention	Water Security
Confined Aquifer	Habitat Linkage	Regional Park	Water Supply
Culture	Housing Instability	Potable Water	Watershed
Disadvantaged Communities	Hydraulic Reach	Regional Detention Basin	Wetland
Displacement	Hydraulics	Regional Park	
Distributed Infiltration	Hydrology	Rent Control	
Ecology	Injection	Resiliency	

An aerial photograph of Los Angeles, California, from 1927. The image shows a dense urban area with numerous industrial buildings and warehouses. A large river, the Los Angeles River, flows through the lower right portion of the image. A prominent bridge, the Los Angeles River Bridge, spans the river. The text "COMMUNITY ENGAGEMENT UPDATE" is overlaid in large, white, bold letters across the center of the image.

COMMUNITY ENGAGEMENT UPDATE

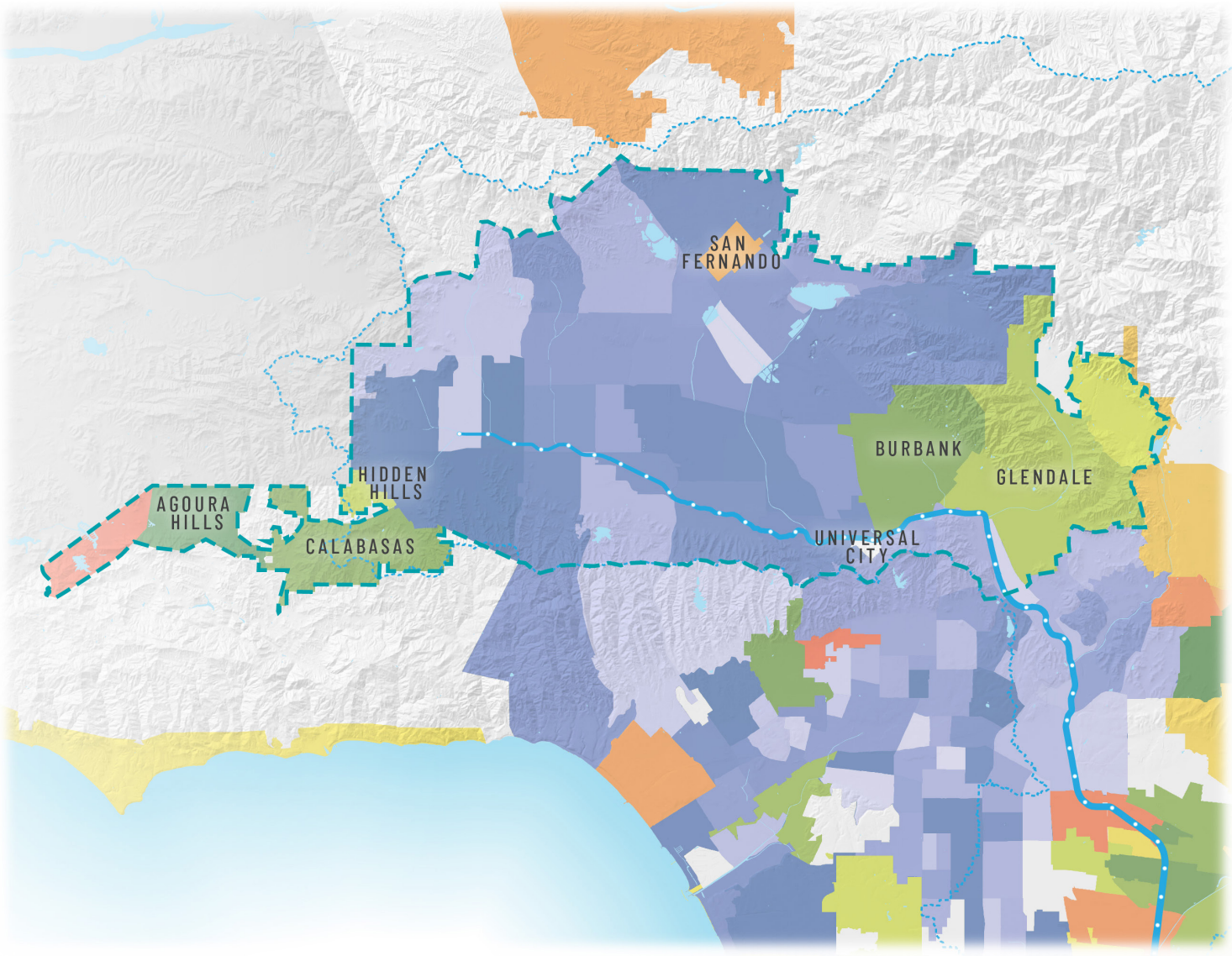
Source: USACE, Los Angeles District, E-1517 - NW of 7th St - 9-7-1927, <http://cespl.maps.arcgis.com/apps/MapSeries/index.html?appid=e15694dbf7c54f8c96285a0e74039e69>

MEETINGS WITH OTHER ORGANIZATIONS

**Alliance of River Communities
(ARC) Meeting**
20 August, 2018



**Valley Industry & Commerce
Association (VICA) Meeting**
09 August, 2018



COMMUNITY MEETING 1: CANOGA PARK

JULY 25, 2018

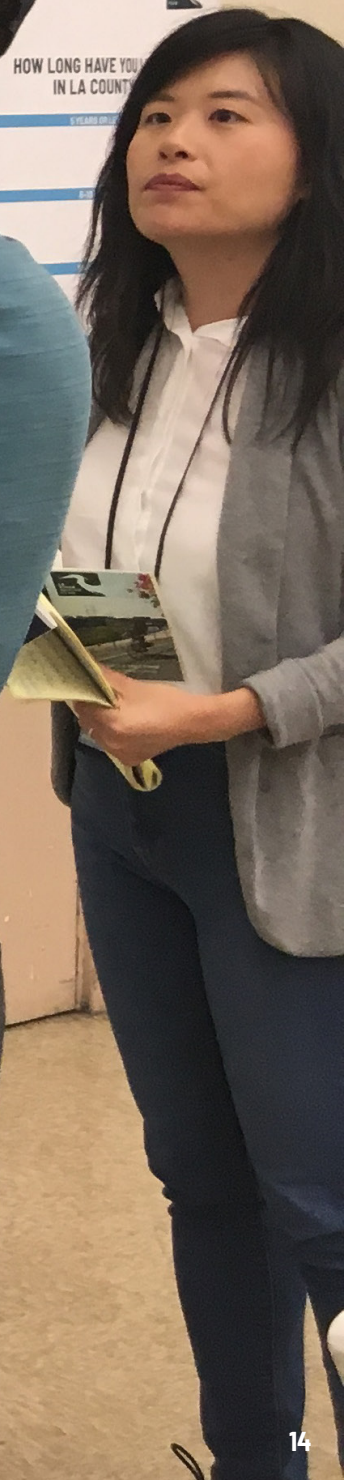


Source: River LA



WHERE DO YOU LIVE?

PLACE A • DOT ON THE MAP WHERE YOU LIVE:



COMMUNITY MEETING 2: CUDAHY

AUGUST 22, 2018





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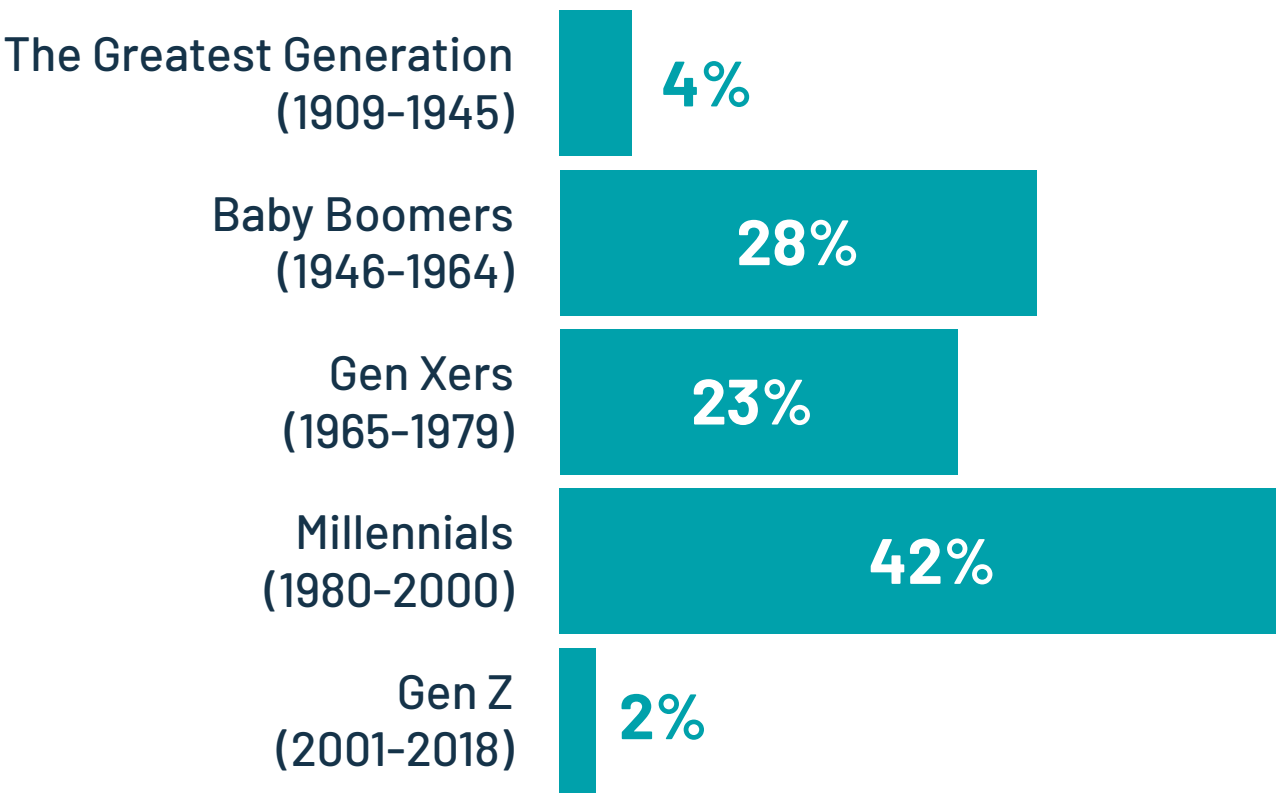
OVER 600 ENGAGED IN COMMUNITY MEETINGS & SURVEY

167 Community members attended the Canoga Park meeting, primarily from the west San Fernando Valley

126 Community members attended the Cudahy meeting, primarily from Southeast LA County

321 Completed digital and in-person surveys as of August 28, 2018

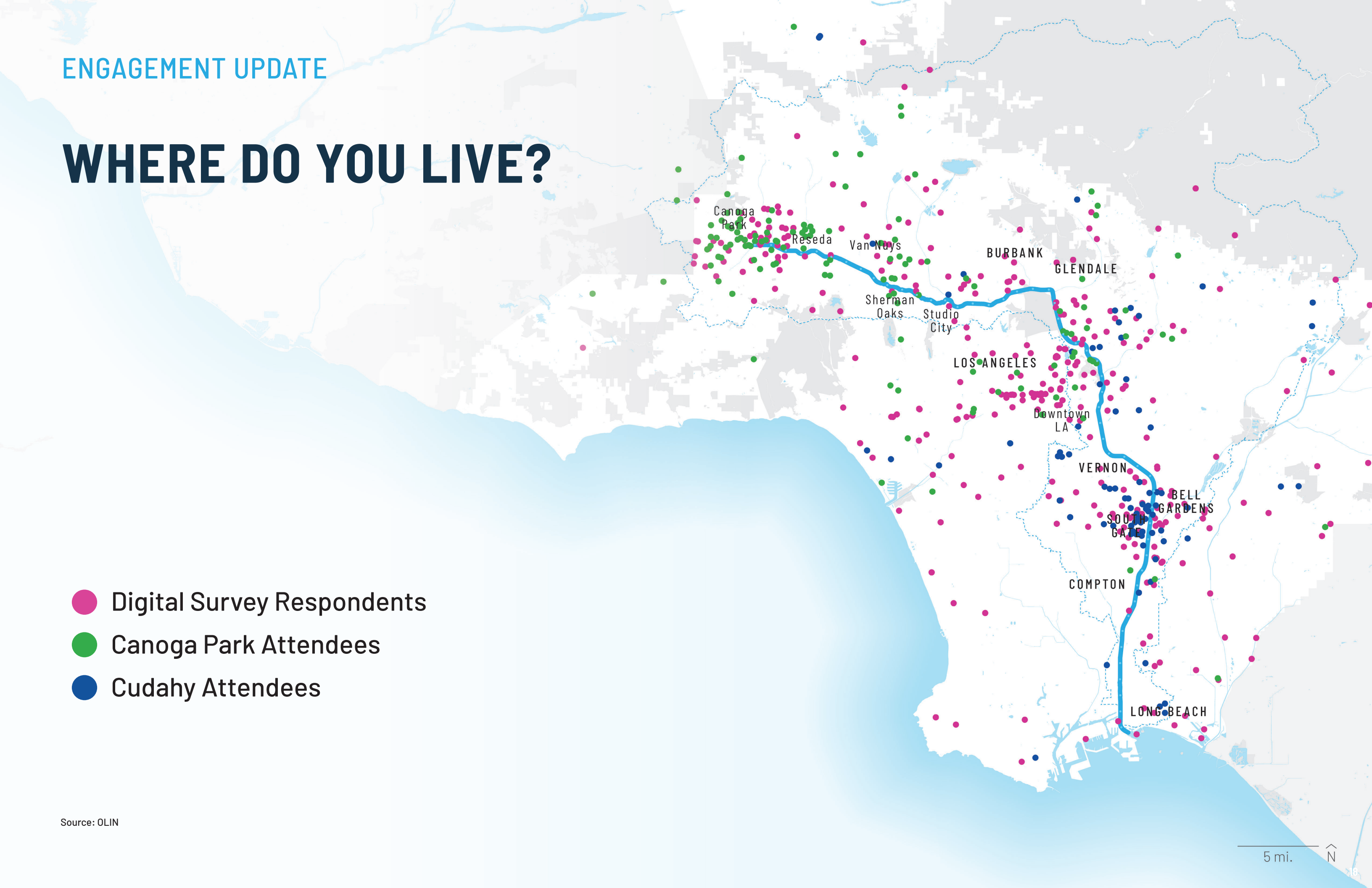
GENERATIONS REPRESENTED:
(Total from Survey + Community Meetings)



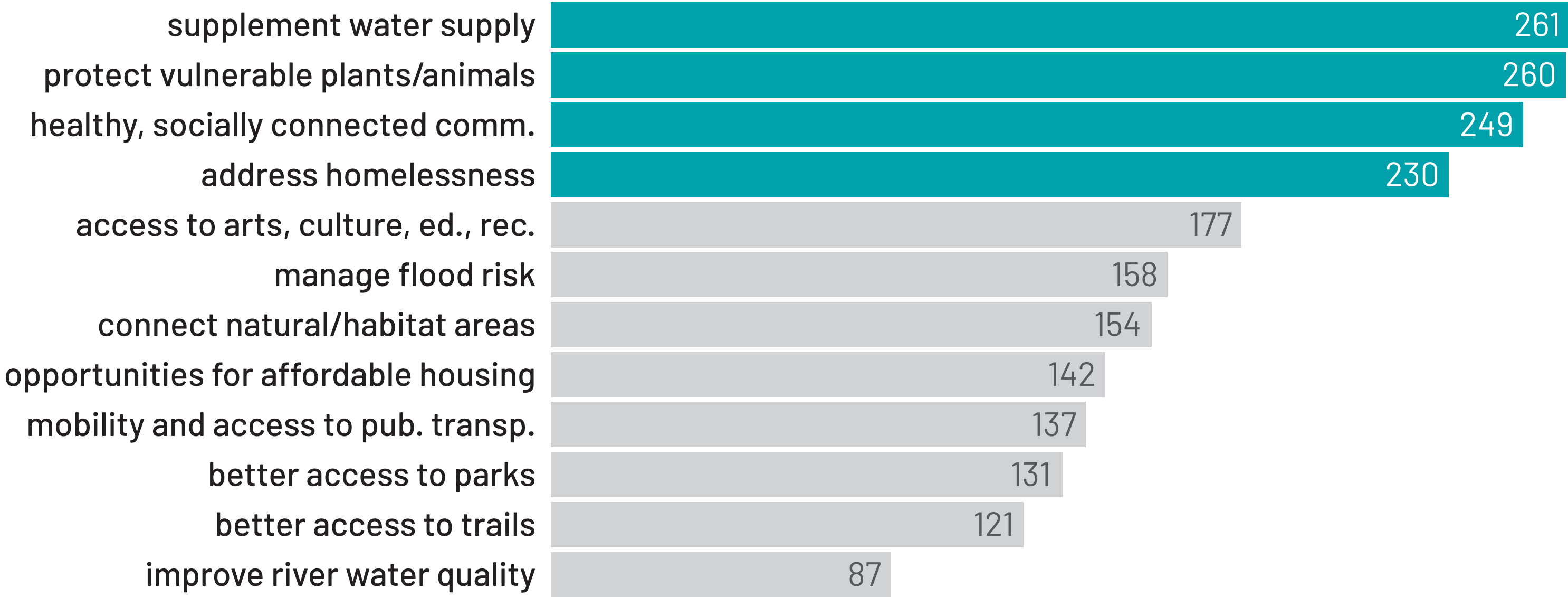
WHERE DO YOU LIVE?

- Digital Survey Respondents
- Canoga Park Attendees
- Cudahy Attendees

Source: OLIN

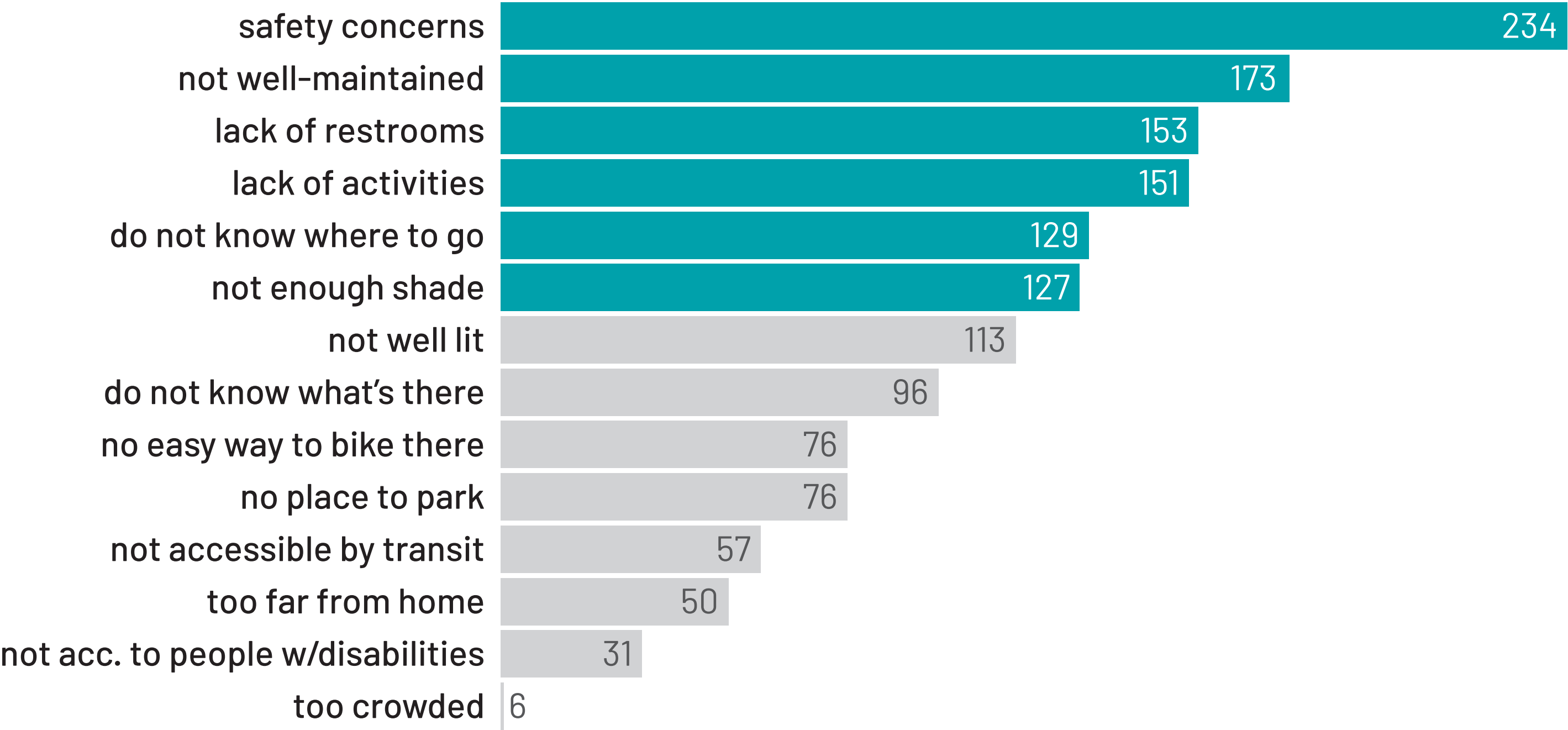


WHICH ISSUES ARE MOST IMPORTANT TO YOU?



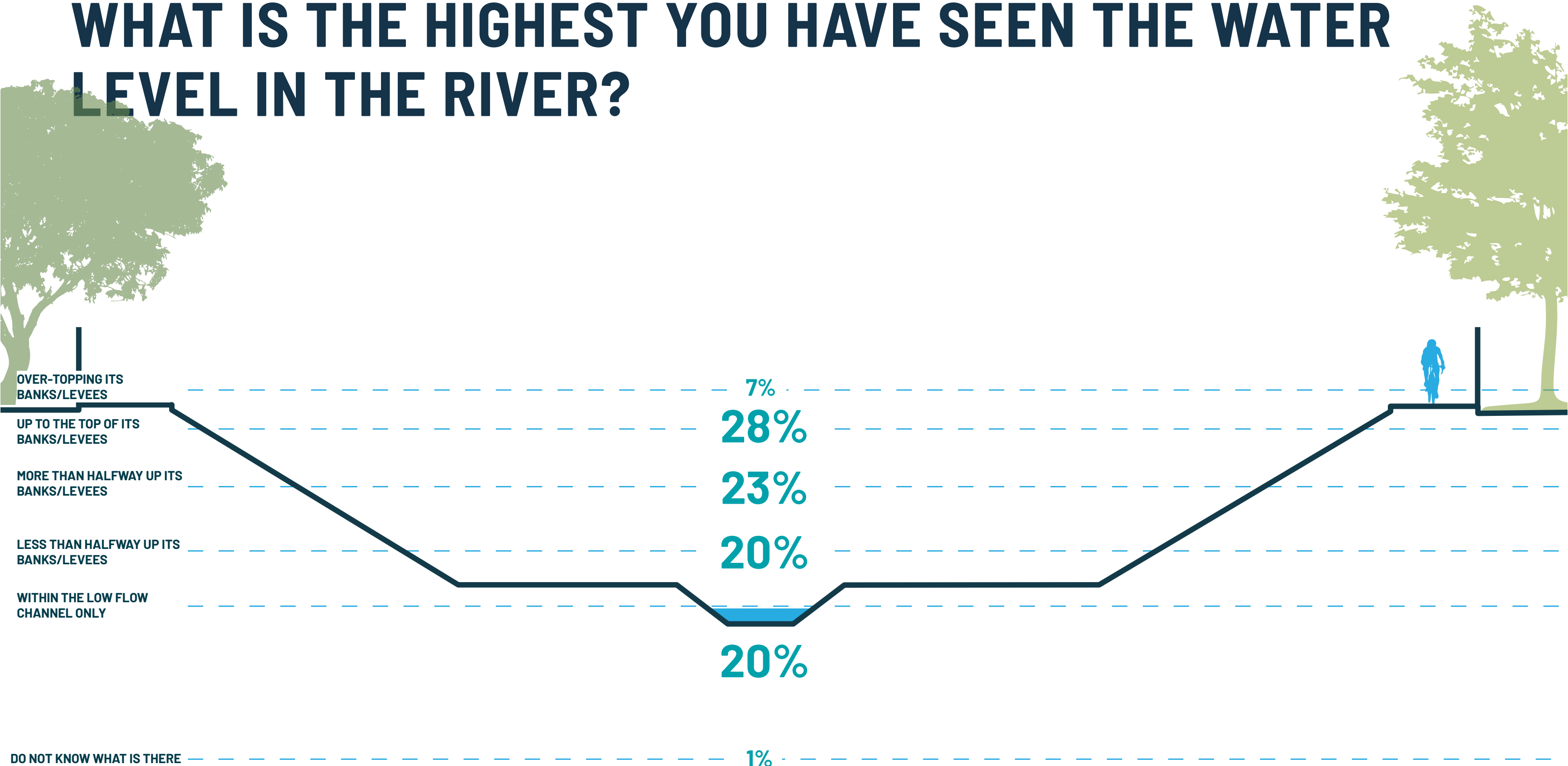
Source: Survey and Canoga Park and Cudahy Community Meetings

WHAT KEEPS YOU FROM VISITING THE LA RIVER?



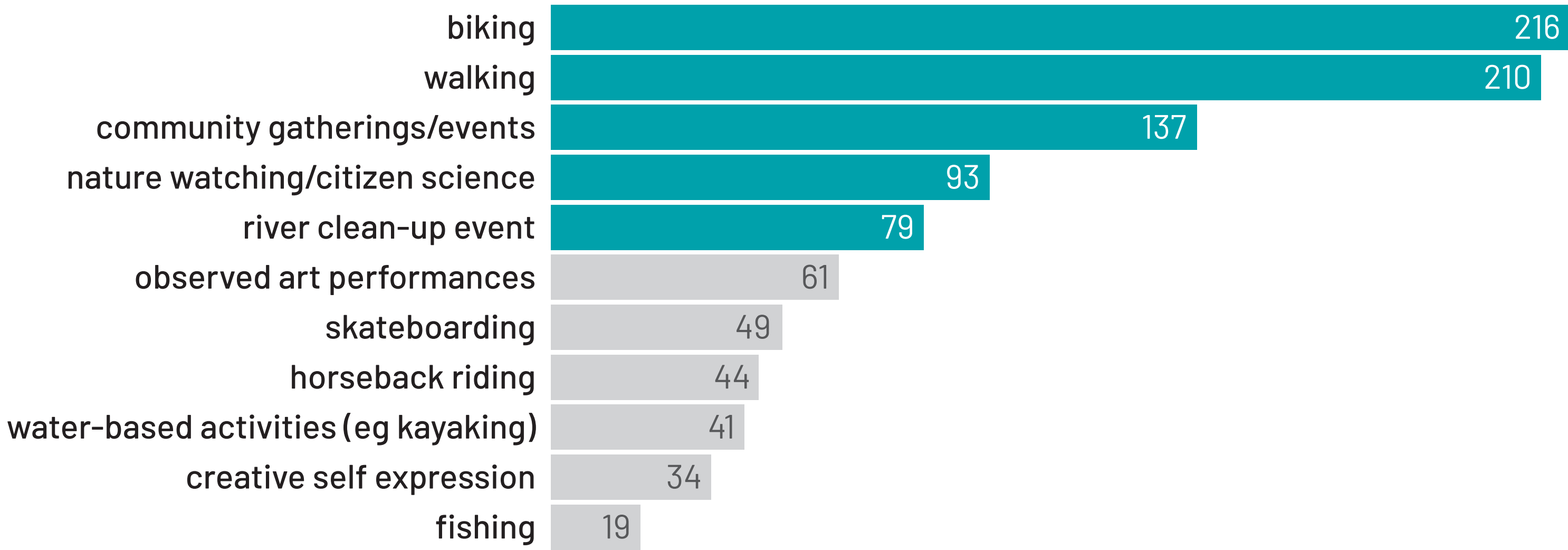
Source: Survey and Canoga Park and Cudahy Community Meetings

WHAT IS THE HIGHEST YOU HAVE SEEN THE WATER LEVEL IN THE RIVER?



Source: Survey and Canoga Park and Cudahy Community Meetings

IN WHAT ACTIVITIES HAVE YOU PARTICIPATED ALONG THE LA RIVER?



Source: Survey and Canoga Park and Cudahy Community Meetings



LOS ANGELES RIVER MASTER PLAN COMMUNITY MEETING

LONG BEACH



JOIN US FOR A MEETING WHERE YOU'LL:

- Share your thoughts on the future of the Los Angeles River
- Hear the vision of the Los Angeles River Master Plan
- Receive updates on river-related issues

Date: Wednesday, October 24, 2018
Time: 6 - 8 pm
Location: Jenny Oropeza Community Center at Cesar E. Chavez Park
401 Golden Avenue, Long Beach, CA 90802

This event is free and open to the public. Refreshments will be provided, and parking is free.

For information, visit LARiverMasterPlan.Org for email updates and event recaps.

LARiverMasterplan.org

COMMUNITY PARTNERS



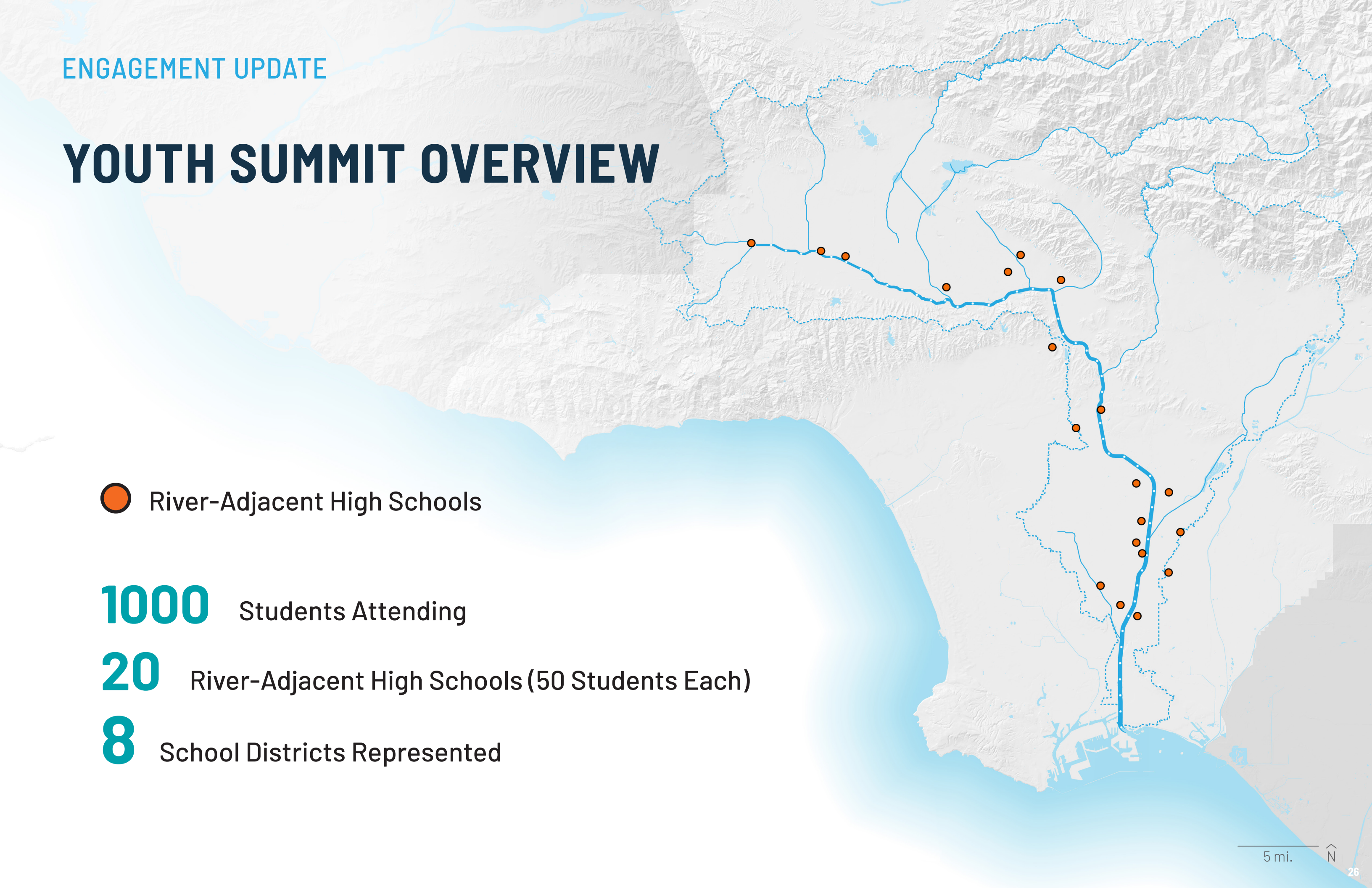
YOUTH SUMMIT OVERVIEW

 River-Adjacent High Schools

1000 Students Attending

20 River-Adjacent High Schools (50 Students Each)

8 School Districts Represented



YOUTH SUMMIT SCHEDULE

1 November 2018

LA Trade Tech Community College

8:30am - Students Depart from Schools

9:00-9:40 - Students Arrive at LA Trade Tech

10:00 - Event Starts in Assembly Area

10:40 - Classroom Learning and Activities

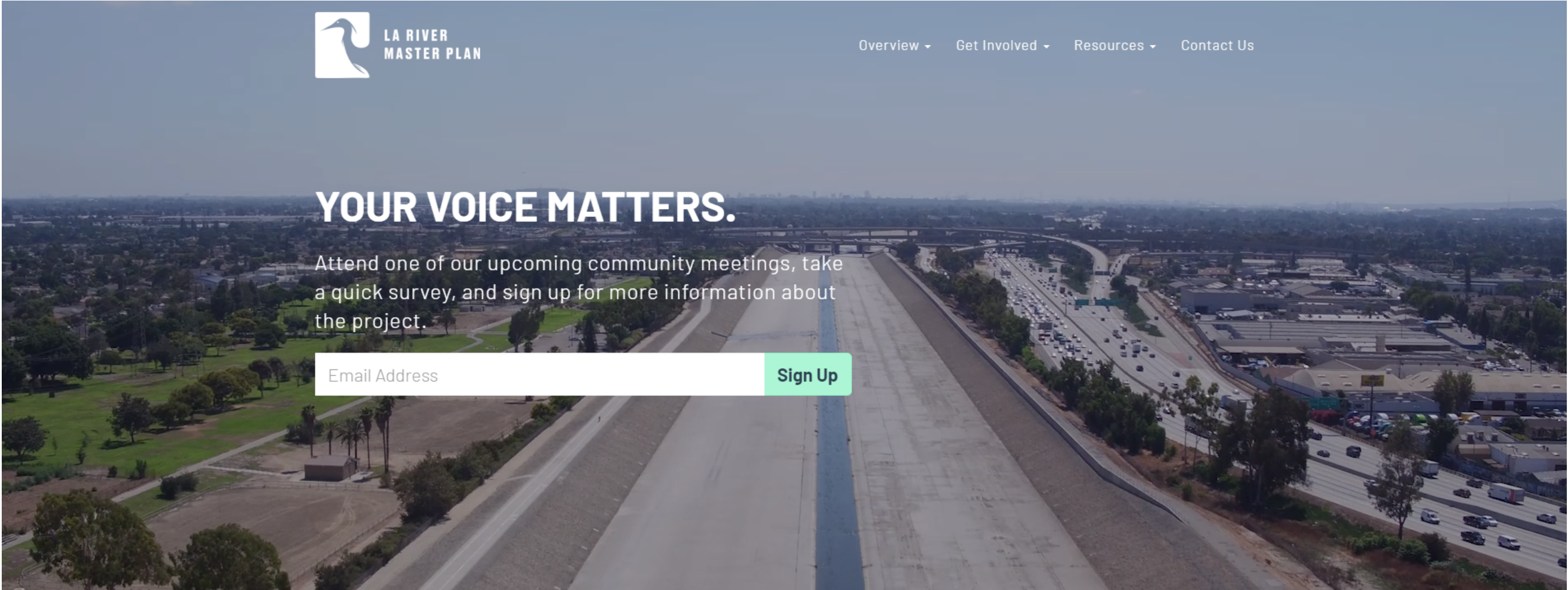
12:10pm - Everyone Reconvenes in Assembly Area

12:40 - Lunch and Student Networking

1:30 - Students Depart LA Trade Tech

2:30 - Students Arrive Back at their School

NEW LIVE WEBSITE



ABOUT

The LA River Master Plan

Q & A AND DISCUSSION

Source: USCAE, Los Angeles District, EHyperionAve1928, <http://cespl.maps.arcgis.com/apps/MapSeries/index.html?appid=e15694dbf7c54f8c96285a0e74039e69>



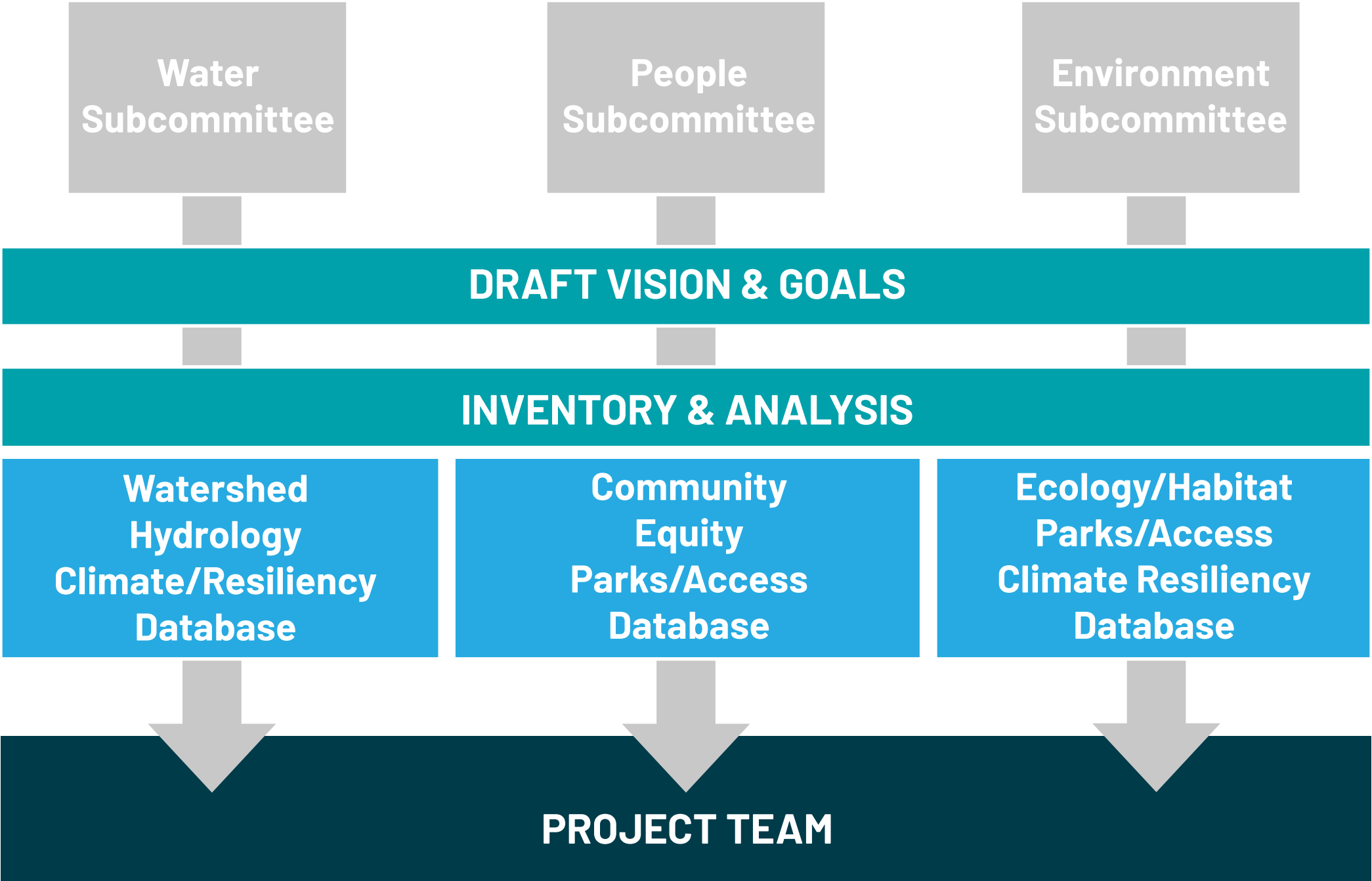
SUBCOMMITTEE MEETINGS REPORT

SUBCOMMITTEE MEETINGS #2

July 11, 2018

Los Angeles River
Center and Gardens

*Thank you Mountains
Recreation & Conservation
Authority*



WATER SUBCOMMITTEE

Top Ideas for Revised Vision and Goals

- (9)** Watershed planning approach
- (7)** Improve water quality in corridor
- (6)** Flood-risk management
- (6)** Local water supply reliability
- (6)** Access for the river, water-based recreation
- (5)** In-river flows
- (4)** Stormwater capture
- (4)** Water resiliency
- (3)** Healthy connected ecosystems

PEOPLE SUBCOMMITTEE

Top Ideas for Revised Vision and Goals

- (9)** Access-equitable and safe for all (ethnicity/ race, ability, age, income, etc.) travel modes
- (9)** Leverage public infrastructure along the river for economic opportunities
- (9)** Public health to connect Goals 4 and 5, and people and environment
 - Connect communities to “local” native perspective
 - How local communities use the space, not just best use
 - Celebrate and recognize community use
- (8)** Lower River Master Plan used equity as a

- lens, could the same be done with LA River Master Plan Update?
- (7)** Leverage and empower local communities
- (4)** Active transportation to economic centers and transit
- (3)** Develop and ensure operation and maintain facilities
- (3)** Homelessness
- (3)** Local communities- retain/maintain local community history
- (3)** River’s significance to indigenous people
- (2)** Equitable economic growth

ENVIRONMENT SUBCOMMITTEE

Top Ideas for Revised Vision and Goals

- (9) Native & natural ecosystems
- (9) Restoring connection between hydrology and ecology
- (8) Watershed planning approach
- (8) Floodplain reclamation
- (7) Improve health of residents and environment
- (6) Provide equitable, inclusive, and safe parks, open space, and trails
- (4) Water quality
- (3) Integration and multi-benefit approach
- (3) Mission doesn't mention "river"
- (3) Adopt a lens of equity
- (2) Don't separate people and nature
- "Environmental system"- consider new terms

WATER SUBCOMMITTEE

Existing Conditions and Inventory Analysis

Watershed Hydrology, Climate/Resiliency, and Database

Discussion Themes

- Data sharing
- Design options evaluation
- Design reach
- Flood mapping studies, protection, and reclamation
- Flow rates
- Groundwater storage capacity
- Potential contamination
- Short-term vs long-term actions
- Soil recharge data
- Water temperatures
- Water quality
- Watershed scale

PEOPLE SUBCOMMITTEE

Existing Conditions and Inventory Analysis

Community, Equity, Parks/Access, and Database

Discussion Themes

- Benchmarking to track progress
- Cultural asset mapping
- Definitions
- Data sources
- Distribution of recreation activities
- Economic and business opportunities for local communities, displacement
- Grant opportunity alignment
- Housing price and property value analysis
- Outreach coordination with other projects
- Park space standards
- Racial composition trends
- Tribal communities – historic and current

ENVIRONMENT SUBCOMMITTEE

Existing Conditions and Inventory Analysis

Ecology/Habitat, Parks/Access, Climate Resiliency, and Database

Discussion Themes

- Cal EnviroScreen
- Design options evaluation
- Equestrian community connection
- Financial feasibility, especially considering O&M
- Funding for green space in lower income areas
- Industrial zoning
- Floodplain reclamation
- Park standards
- Plant and vegetation changes over time
- Stormwater quality
- Terminology that everyone understands
- Trees
- Urban ecology typology
- Vegetation-soil relationships
- Water flows

Q & A AND DISCUSSION

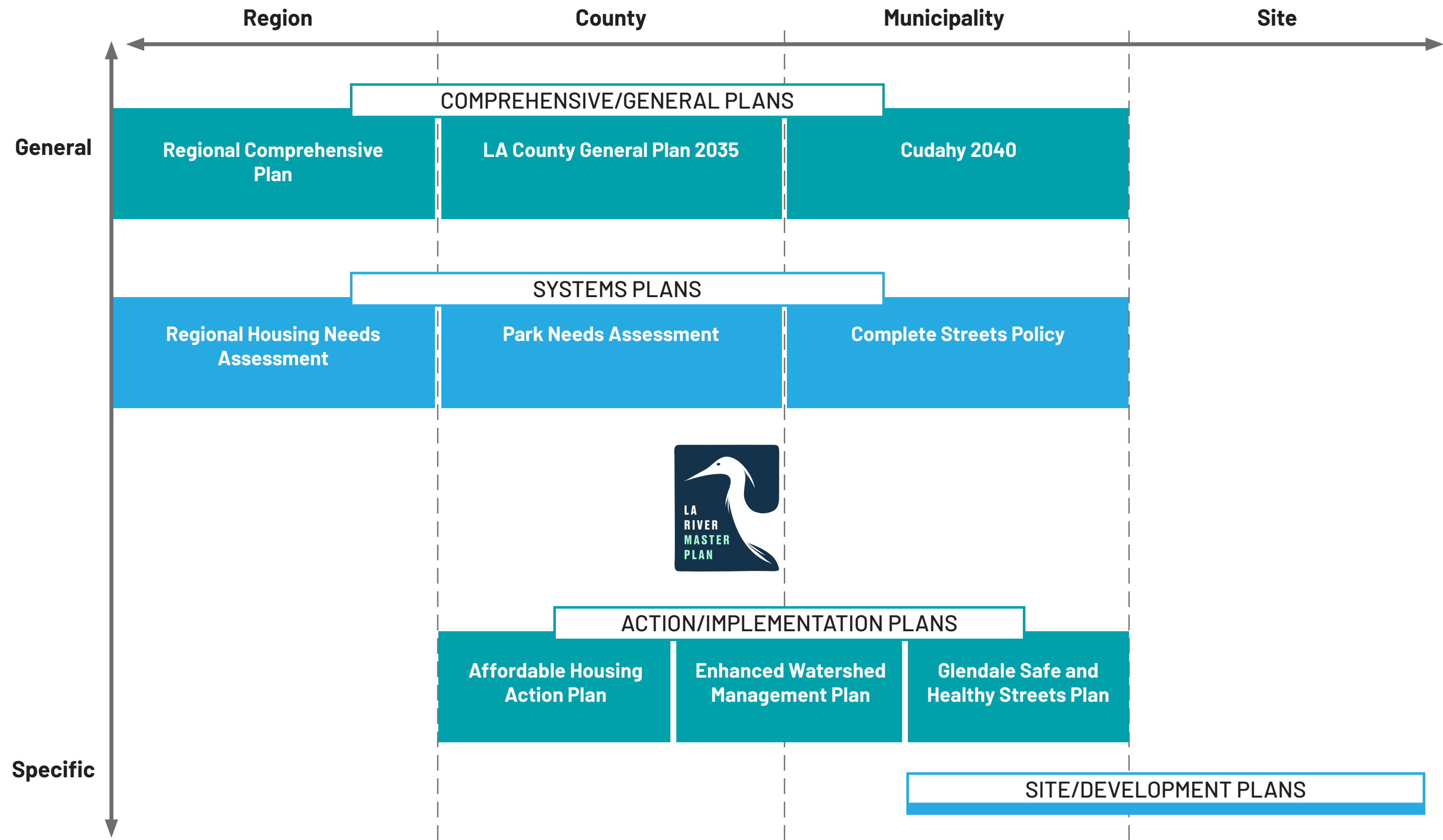
Source: USCAE, Los Angeles District, EHyperionAve1928, <http://cespl.maps.arcgis.com/apps/MapSeries/index.html?appid=e15694dbf7c54f8c96285a0e74039e69>

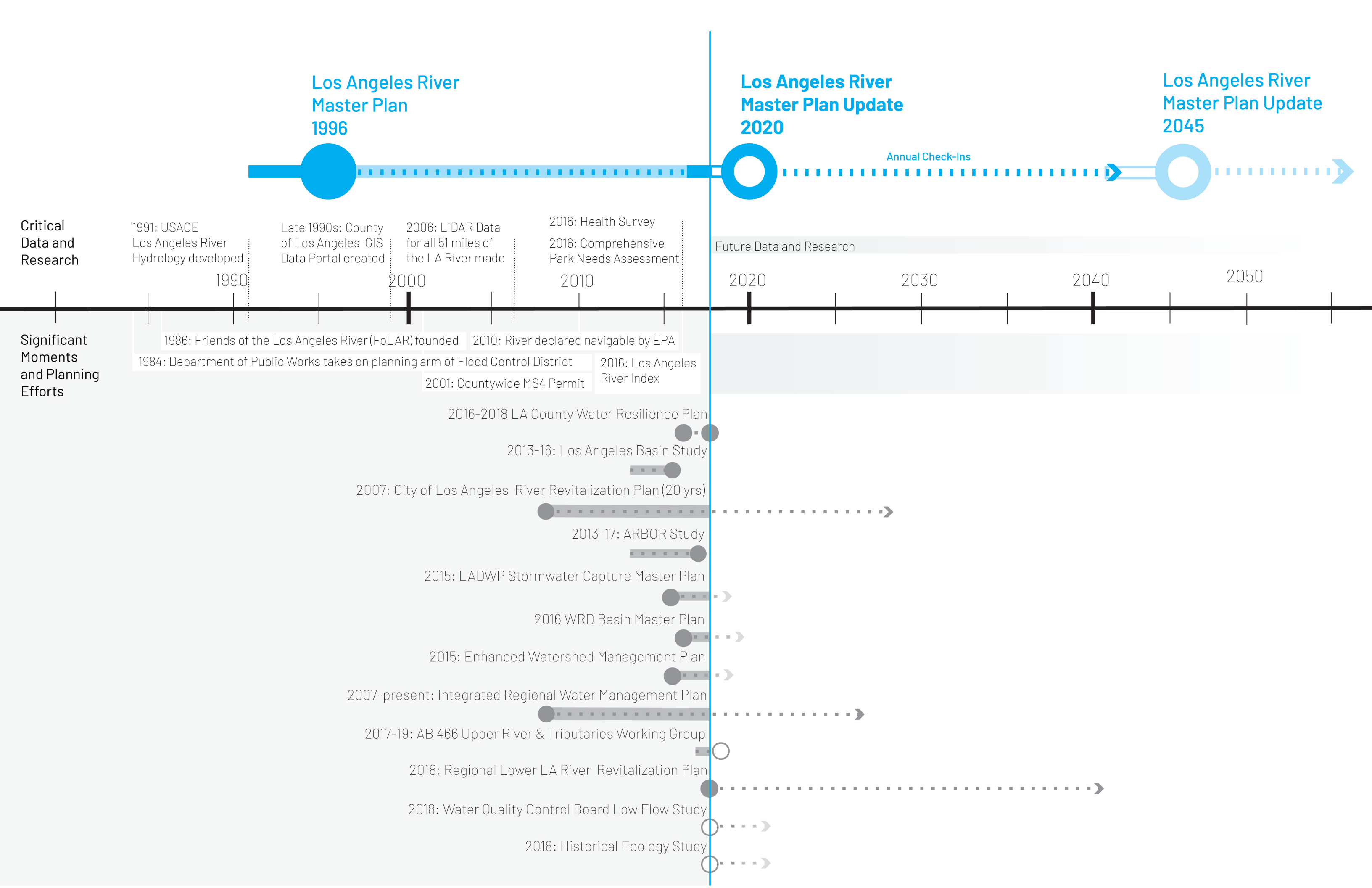
An aerial photograph of a multi-arched bridge spanning a river or canal, surrounded by lush greenery and distant mountains. The entire image is overlaid with a semi-transparent teal color. The title text is centered in the middle of the image.

VISION & GOAL-DRIVEN IMPLEMENTATION

Source: USACE, Los Angeles District, EHyperionAve1928, <http://cespl.maps.arcgis.com/apps/MapSeries/index.html?appid=e15694dbf7c54f8c96285a0e74039e69>

PLANNING CONTEXT







GOAL-DRIVEN IMPLEMENTATION & FUNDING

IMPLEMENTATION PLAN HIERARCHY

WHAT

GOAL
an ideal future state

EXAMPLE

- 6. **Provide equitable, inclusive, and safe access to parks and trails.**

IMPLEMENTATION PLAN HIERARCHY

		EXAMPLE
WHAT	GOAL an ideal future state	6. Provide equitable, inclusive, and safe access to parks and trails.
WHY	RATIONALE	In online surveys, the top two activities that people participate in along the river are walking (53%) and bicycling (40%), yet the top two reasons people do not visit the river are safety concerns (48%) and lack of activities (46%). This is apparent when looking at available parks and trails. Many cities along the LA River do not meet the World Health Organization’s minimum standards of 2.2 acres of parks per thousand people, and only 31 of the river’s 51 miles have trails.

IMPLEMENTATION PLAN HIERARCHY

WHAT

GOAL
an ideal future state

ACTIONS
that move towards the ideal state

EXAMPLE

- 6. **Provide equitable, inclusive, and safe access to parks and trails.**
 - 6.1. Fill gaps to create a connected system of multi-modal trails.

IMPLEMENTATION PLAN HIERARCHY

WHAT



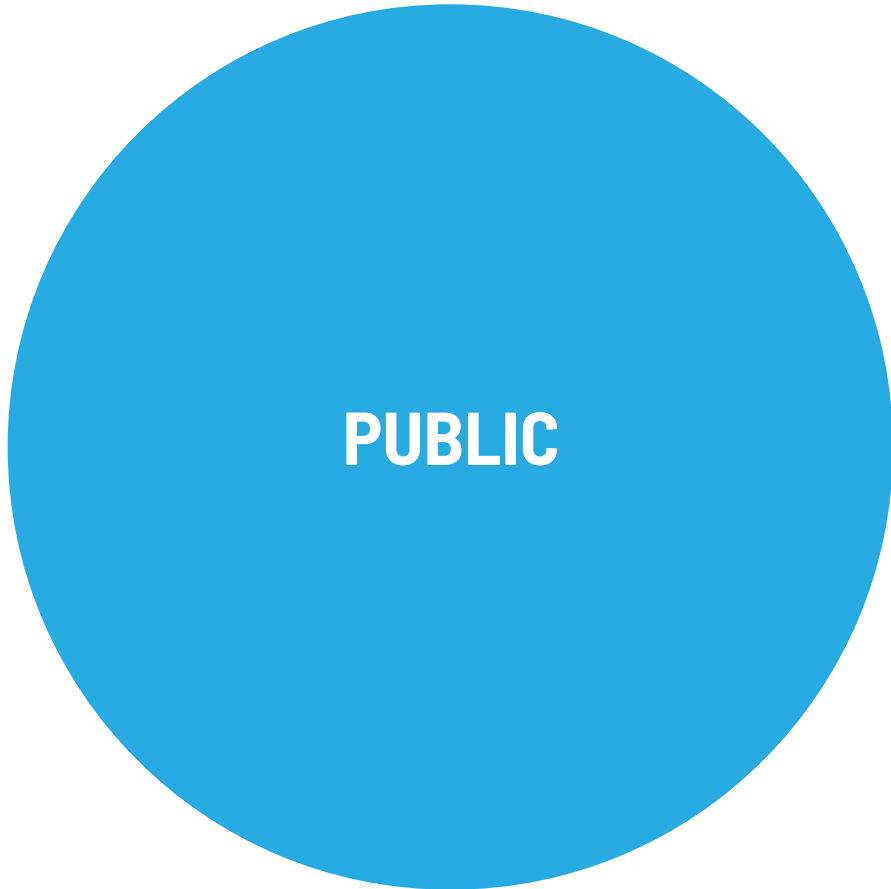
EXAMPLE

- 6. **Provide equitable, inclusive, and safe access to parks and trails.**
 - 6.1. Fill gaps to create a connected system of multi-modal trails.
 - 6.1.1. Complete missing sections of the LA River bike path.
 - 6.1.2. Complete planned county and municipal trails that connect to the LA River, such as the Compton Creek trail.

IMPLEMENTATION PLAN HIERARCHY

WHAT		EXAMPLE
	<div><div>GOAL</div><div>an ideal future state</div></div> <div><div>ACTIONS</div><div>that move towards the ideal state</div></div>	<div>6. Provide equitable, inclusive, and safe access to parks and trails.</div> <div>6.1. Fill gaps to create a connected system of multi-modal trails.</div>
WHO	<div>PARTIES RESPONSIBLE FOR IMPLEMENTATION</div> <div>POTENTIAL IMPLEMENTATION PARTNERS</div>	<div>Department of Parks and Recreation</div> <div>municipal parks and recreation departments</div>
WHERE	<div>GEOGRAPHIC BOUNDARIES</div>	<div>LA County</div>
HOW	<div>ORDER-OF-MAGNITUDE COST</div> <div>EXISTING FUNDING SOURCES</div> <div>POTENTIAL NEW FUNDING SOURCES</div>	<div>\$500M</div> <div>capital budget</div> <div>Lower LA River Parks District</div>
WHEN	<div>TIMEFRAME</div>	<div>long-term (0-20 years)</div>

FEEDBACK



DRAFT VISION

The Reimagined River

A 51-mile connective river corridor of parks, trails, ecosystems, and cultural resources to improve health, equity, access, mobility, and economic opportunity for the diverse communities of LA County, while providing flood risk management.

DRAFT GOALS

Address potential adverse impacts to housing affordability.

Source: Flickr user Ken Lund, Los Angeles River, Los Angeles, California, 2015, <https://www.flickr.com/photos/kenlund/21400201059>

DRAFT GOALS

Embrace local culture and strengthen communities.

Source: Clockshop, The Bowtie Project, The LA River Campout, 2017, <https://clockshop.org/wp-content/uploads/2017/12/LAriver-featured.jpg>

DRAFT GOALS

Enhance opportunities to equitably access the river corridor.

Source: OLIN

DRAFT GOALS

A large mosaic sculpture of a snake and a turtle in a park setting. The snake is made of white, orange, and brown tiles, coiled around a central point. The turtle is made of green and orange tiles, positioned in the foreground. The background shows a grassy area, trees, and a building.

Foster learning and opportunities for education.

Source: Randall, R. Flickr User: <https://www.flickr.com/photos/zeroy/2406085732/in/pool-larive/>

DRAFT GOALS

Improve regional water supply reliability.

Source: OLIN

DRAFT GOALS

Promote healthy, safe,
clean water.

Source: OLIN

DRAFT GOALS

Provide a protective and resilient flood management infrastructure.

Source: Flickr user Scott L. 1.E1C7392, 2015, <https://www.flickr.com/photos/41802269@N03/23904606860/>

DRAFT GOALS

Provide equitable, inclusive, and safe parks, open space, and trails.

Source: The Source, And the existing segment from Griffith Park to DTLA, just shy of its current terminus near the Riverside Drive bridge, http://s3-us-west-2.amazonaws.com/media.thesource.metro.net/wp-content/uploads/2017/11/06135450/34157493341_06f5c36d9d_o-1.jpg

DRAFT GOALS

**Support healthy,
connected ecosystems.**

Source: KCET Departures, South L.A. -Willow Street, 2010, <https://www.flickr.com/photos/kcetdepartures/5057065201/in/album-72157625144026775/>

Q & A AND DISCUSSION

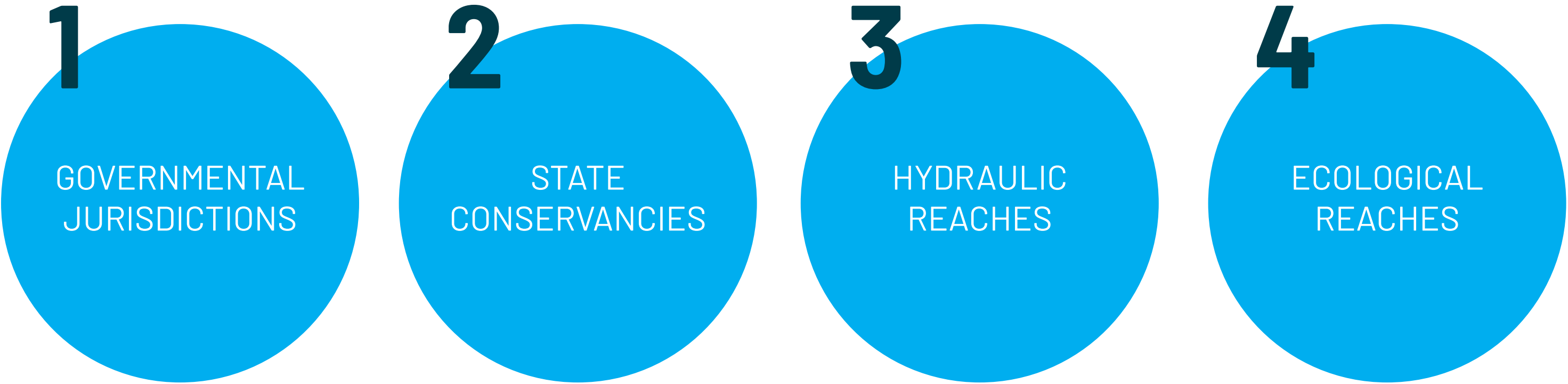
Source: USCAE, Los Angeles District, EHyperionAve1928, <http://cespl.maps.arcgis.com/apps/MapSeries/index.html?appid=e15694dbf7c54f8c96285a0e74039e69>



PLANNING FRAMES

Source: Joe Mabel, 2001. Wikipedia. https://commons.wikimedia.org/wiki/File:Los_Angeles_River_aerial_01.jpg

BOUNDARY TYPES

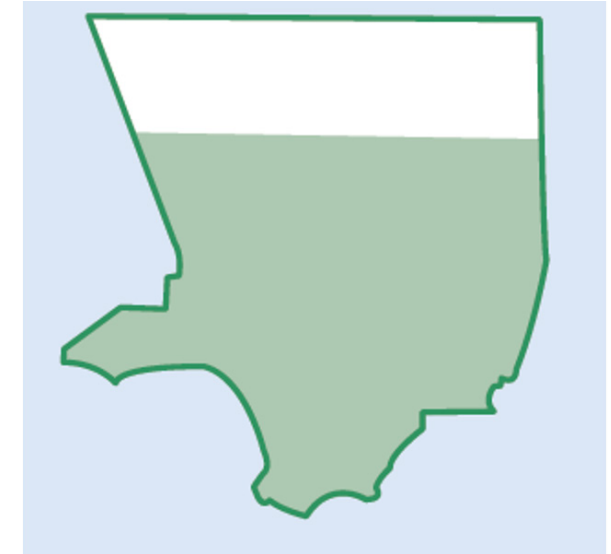
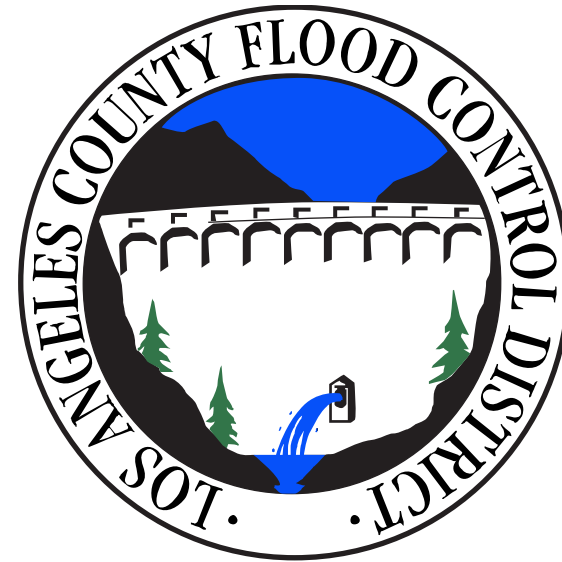


LA COUNTY PUBLIC WORKS

WATER RESOURCES CORE SERVICE AREA

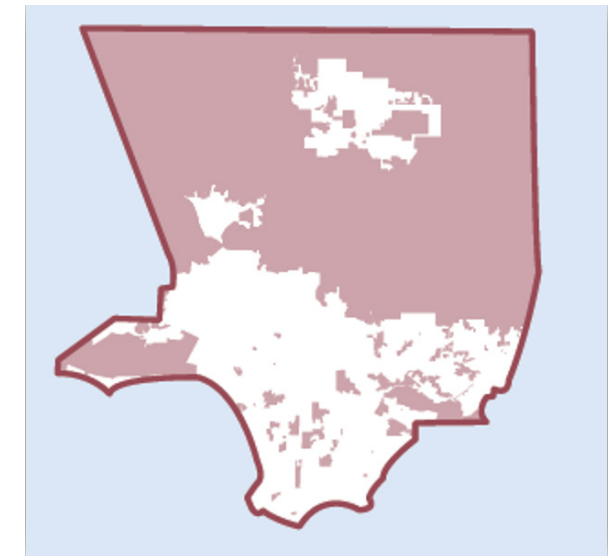
Los Angeles County Flood Control District

- Primary Goals: Flood Risk Management and Water Conservation
- Secondary Goals: Water Quality, Public use, and Habitat



County of Los Angeles



- Areas that are not part of incorporated cities
- Owns minimal flood control infrastructure
- Carry water quality responsibilities within jurisdiction



Source: Los Angeles County Public Works, 2018

GOVERNMENTAL
JURISDICTIONS

UNINCORPORATED AREAS

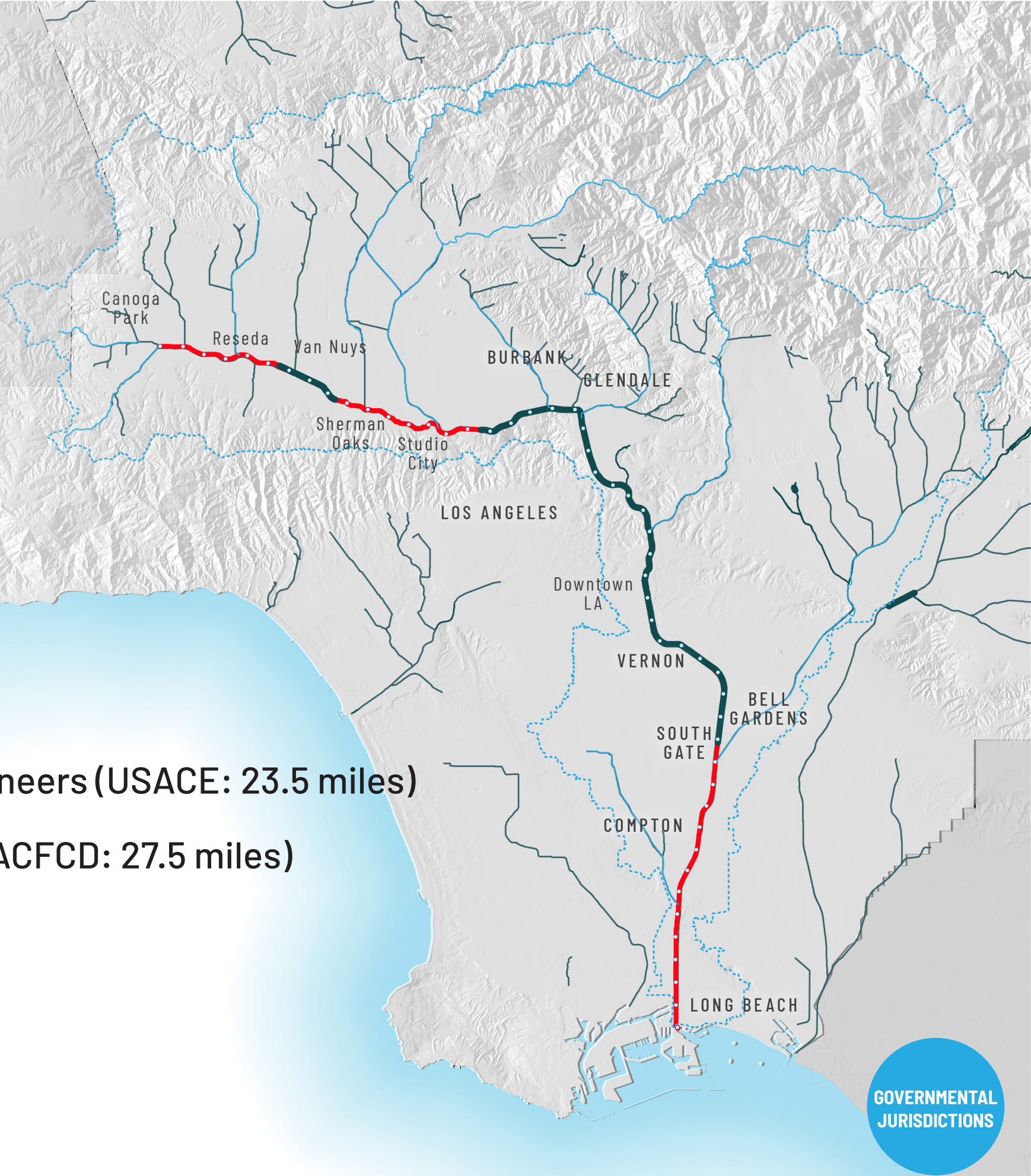
-  Unincorporated LA County
-  Incorporated Cities

Source: Los Angeles County Public Works, 2018

MAJOR MAINTENANCE RESPONSIBILITIES ARE SPLIT BETWEEN LACFCD AND USACE

Entity:

- Los Angeles District, U.S. Army Corps of Engineers (USACE: 23.5 miles)
- Los Angeles County Flood Control District (LACFCD: 27.5 miles)



Source: Los Angeles County Department of Public Works, GIS Maintenance Map, 2016

PLANNING FRAMES

DISTRICTS

The LA River runs through all five Supervisorial Districts

Source: Los Angeles County GIS Data Portal, Supervisorial District Boundaries, 2011.

The LA River runs through nine State Assembly Districts

Source: Los Angeles County GIS Data Portal, California State Assembly Districts, 2011.

The LA River runs through six State Senate Districts

Source: Los Angeles County GIS Data Portal, California State Senate Districts, 2011.

The LA River runs through six U.S. Congressional Districts

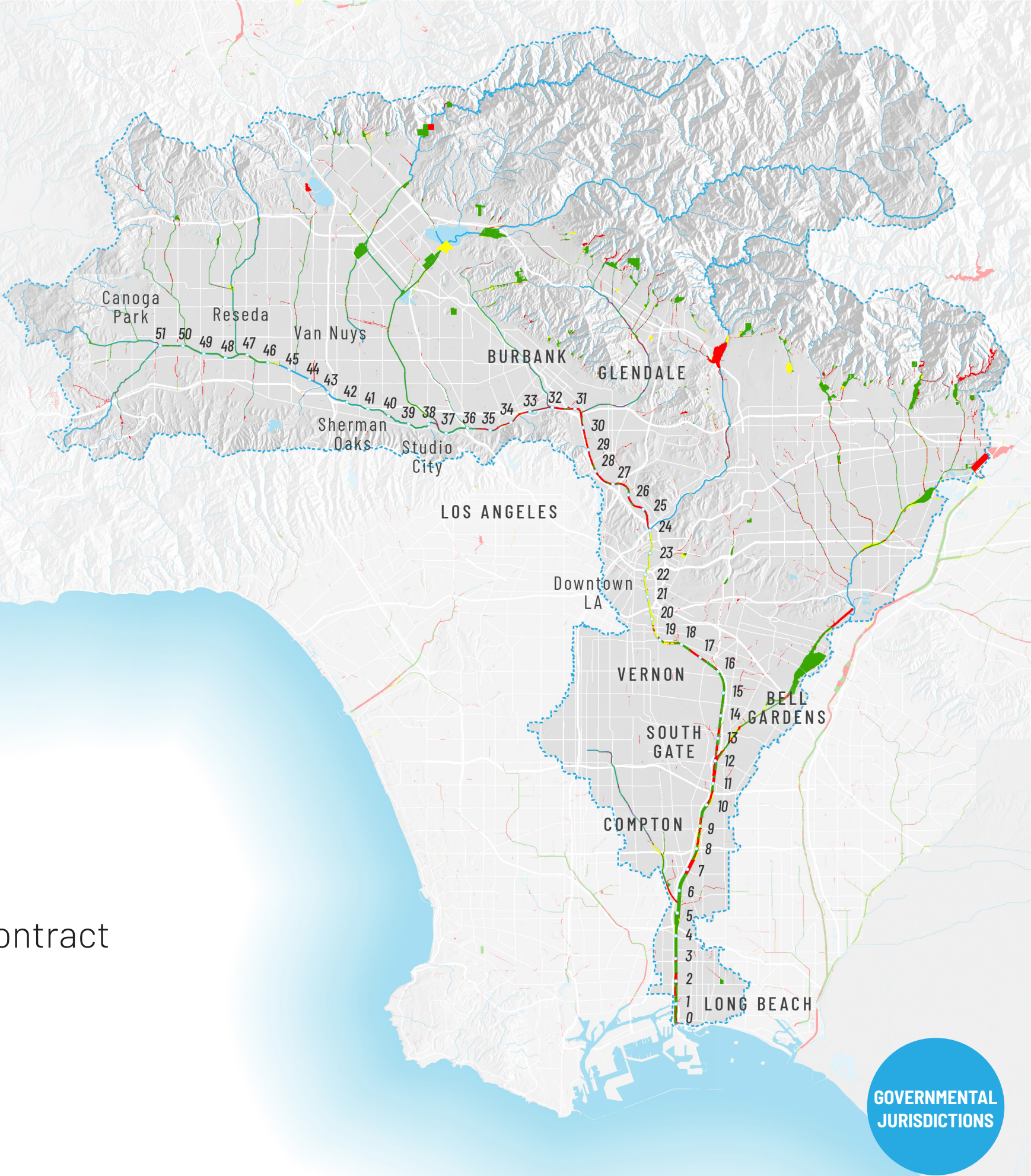
Source: Los Angeles County GIS Data Portal, California Congressional Districts, 2011.

GOVERNMENTAL JURISDICTIONS

THE LA RIVER CHANNEL AND R.O.W. PARCEL OWNERSHIP VARIES

LACFCD Right-of-Way Parcel Ownership Type:

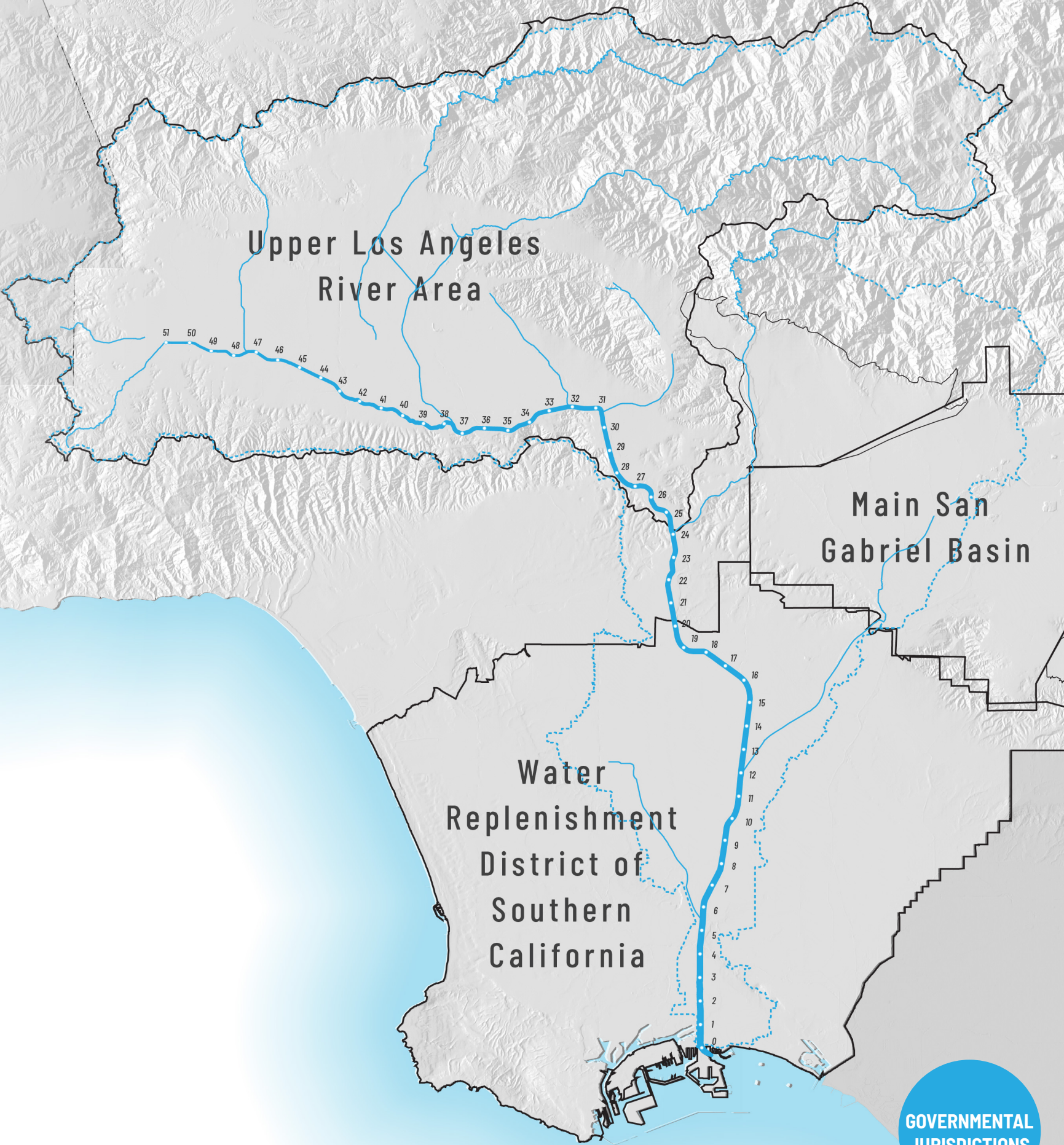
-  **Easement** (actual ownership varies)
-  **Fee** (owned outright by LACFCD)
-  **Other** (lease, quitclaim, agreement, or other contract between LACFCD and other entity)



Source: Los Angeles County GIS Data Portal, Los Angeles County Flood Control District Right-of-Way Parcels, 2018

GROUNDWATER MANAGEMENT

 Groundwater Management Districts



Source: Department of Water Resources, Groundwater Adjudicated Areas in groundwater basin, https://gis.water.ca.gov/arcgis/rest/services/Boundaries/i03_Adjudicated_Areas/MapServer

WATER PURVEYORS

 Water Purveyor Service Areas

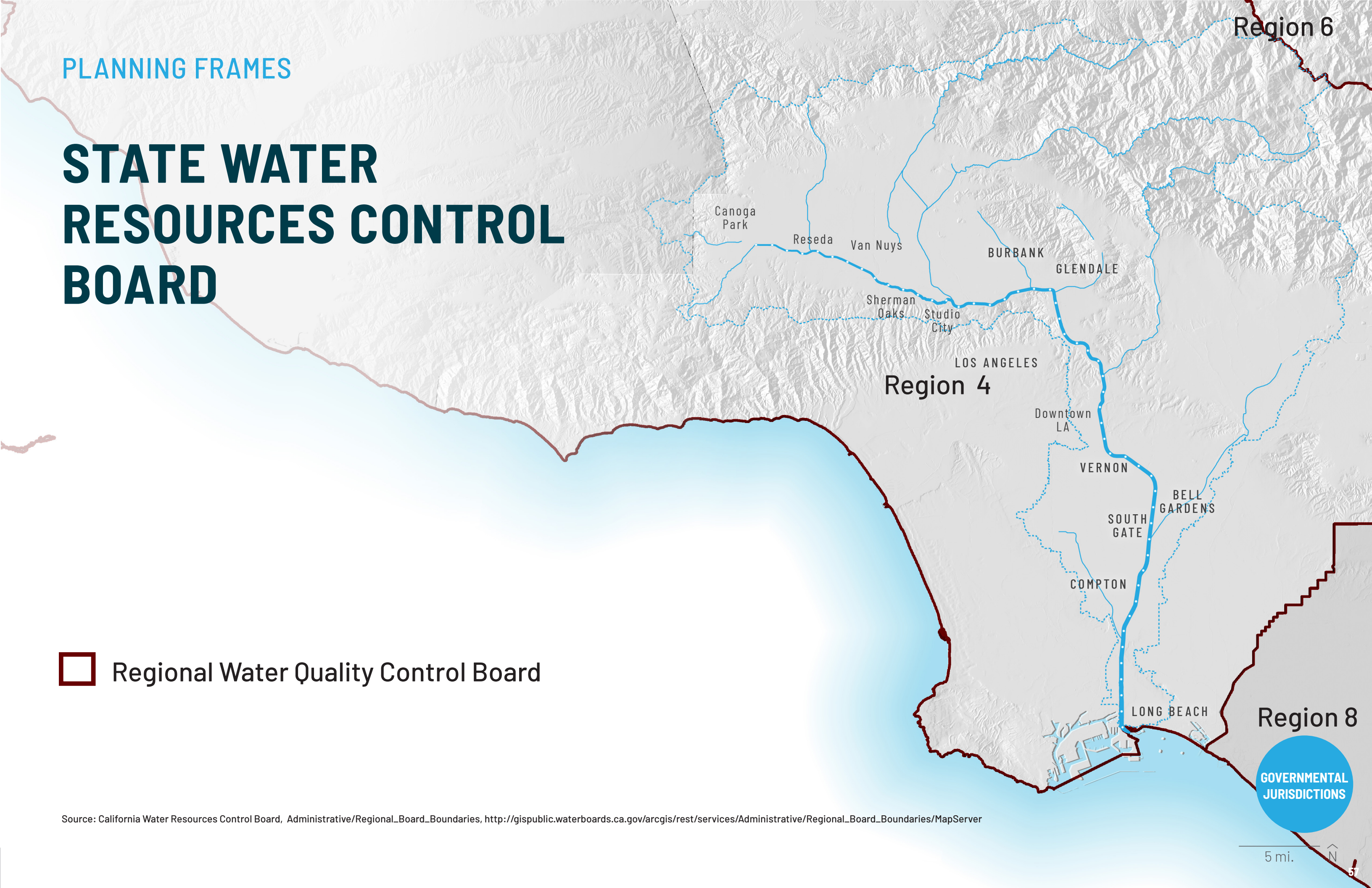
Source: Water Replenishment District of Southern California; Metropolitan Water District of Southern California

PLANNING FRAMES

STATE WATER RESOURCES CONTROL BOARD

 Regional Water Quality Control Board

Source: California Water Resources Control Board, Administrative/Regional_Board_Boundaries, http://gispublic.waterboards.ca.gov/arcgis/rest/services/Administrative/Regional_Board_Boundaries/MapServer







GOVERNMENTAL
JURISDICTIONS

5 mi.



THREE STATE CONSERVANCIES WITHIN THE LA RIVER WATERSHED

California State Conservancies:

-  Coastal Conservancy
-  San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy
-  Overlapping Areas
-  Santa Monica Mountains Conservancy

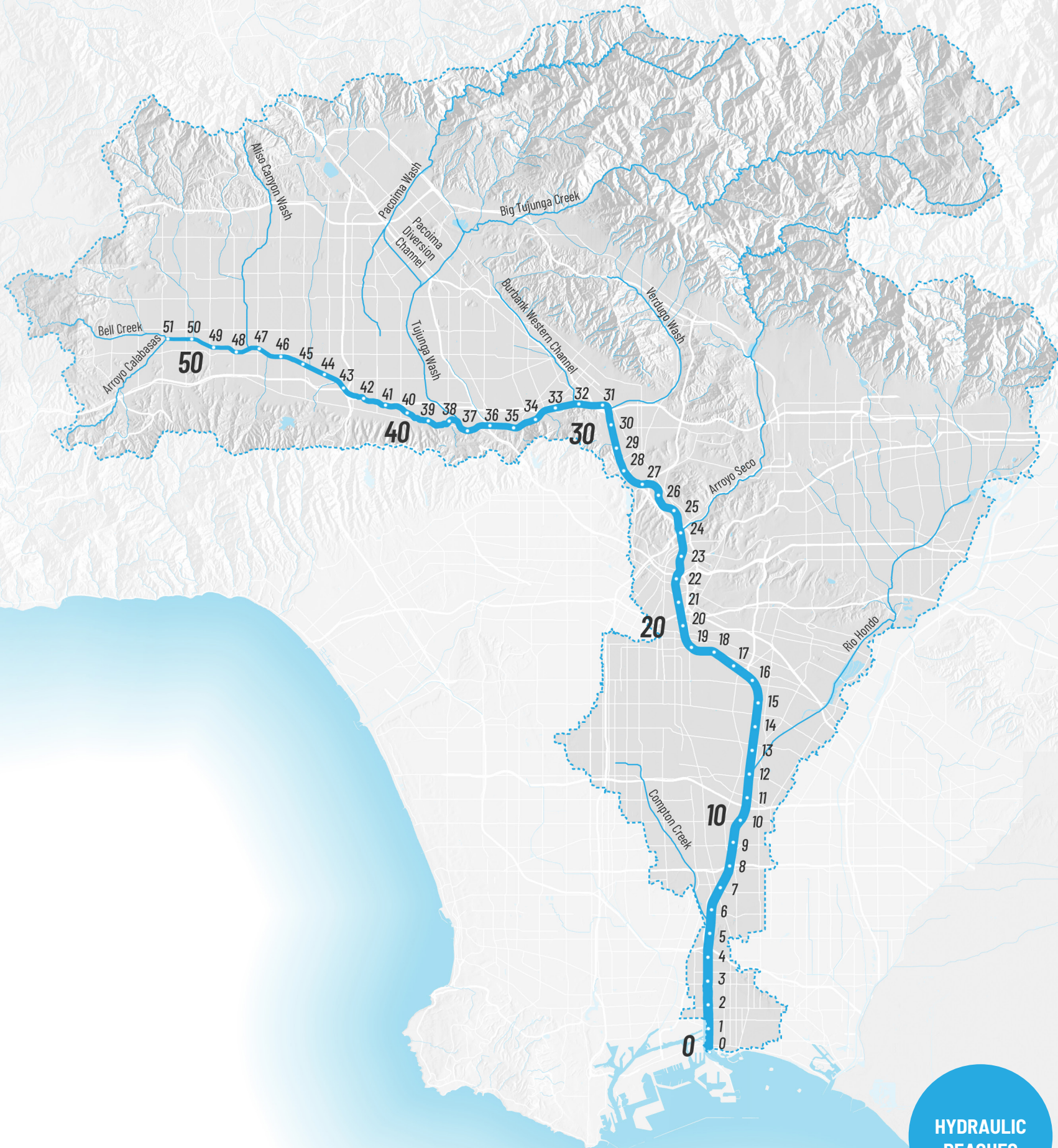
Source:State of California, State Conservancies - CNRA [ds1754], 2016



STATE
CONSERVANCIES

PLANNING FRAMES

THE LA RIVER IS 51 MILES LONG



Source: Geosyntec, Los Angeles County GIS Data Portal

HYDRAULIC REACHES

DESIGN REACHES

Classification:

- | | |
|----------------------|----------------------|
| M, Mile 47.4 to 51.0 | F, Mile 24.5 to 30.3 |
| L, Mile 45.6 to 47.2 | E, Mile 19.8 to 23.9 |
| K, Mile 43.4 to 45.4 | D, Mile 18.9 to 19.7 |
| J, Mile 37.8 to 42.7 | C, Mile 12.8 to 18.8 |
| I, Mile 33.9 to 37.5 | B, Mile 3.0 to 11.9 |
| H, Mile 32.0 to 33.8 | A, Mile 0.0 to 2.8 |
| G, Mile 31.1 to 31.8 | Transition |

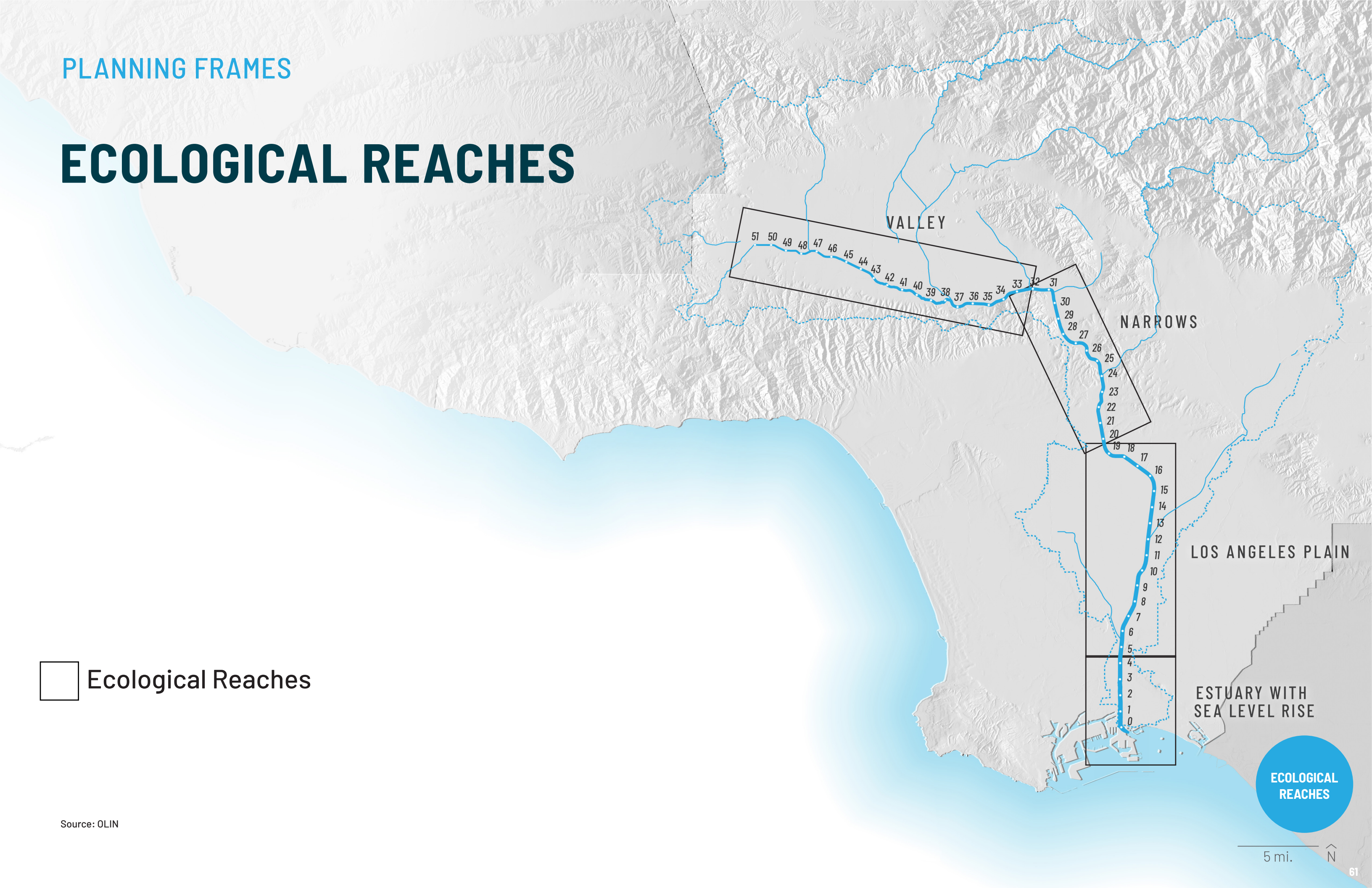


ECOLOGICAL REACHES

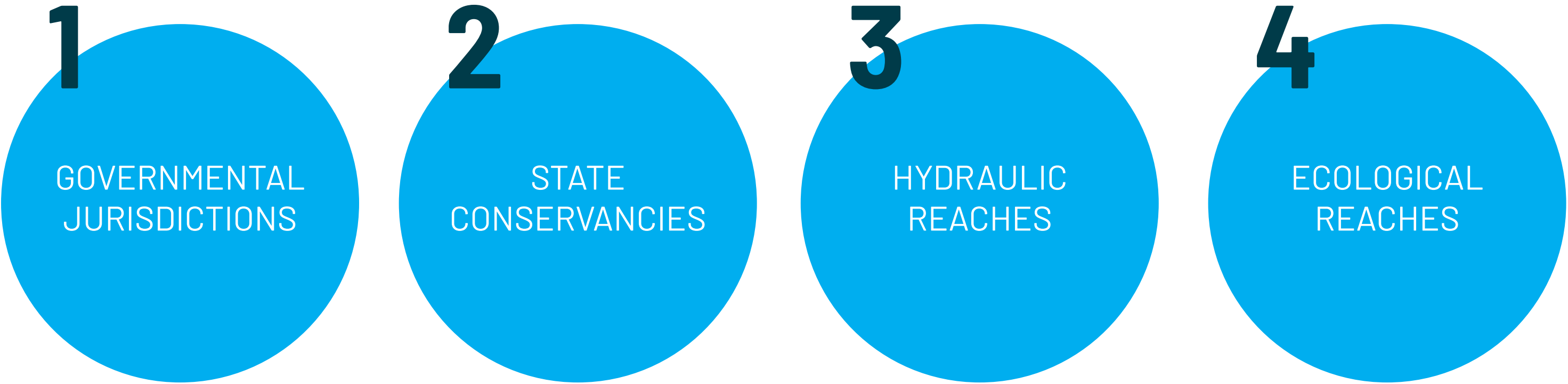
 Ecological Reaches

Source: OLIN

ECOLOGICAL REACHES



BOUNDARY TYPES



Q & A AND DISCUSSION

Source: USACE, Los Angeles District, EHyperionAve1928, <http://cespl.maps.arcgis.com/apps/MapSeries/index.html?appid=e15694dbf7c54f8c96285a0e74039e69>

INVENTORY AND ANALYSIS

Source: USACE, Los Angeles District, Los_Angeles_River_at_Griffith_Park,_ca.1898-1910_(CHS-2033), <http://cespl.maps.arcgis.com/apps/MapSeries/index.html?appid=e15694dbf7c54f8c96285a0e74039e69>

ANALYSIS

ECOSYSTEM & HABITAT

- Soils & Geology
- Urban Footprint
- Vegetation Forms
- Rare & Threatened Species
- Historical Hydrology
- Species Observation
- Spawning & Migration

ACCESS & SECURITY

- Access Points
- Fences & Gates
- Multi-Modal Transportation
- Signage
- Accessibility
- Injury & Crime Risk
- Public Perception

OPEN SPACE, REC, & TRAILS

- Park Need
- Park Acreage Standards
- Park Amenities
- Park Access
- Trail Gaps
- Water Recreation

DEMOGRAPHICS & PUBLIC HEALTH

- General Characteristics
- Income & Employment
- Education
- Housing
- Displacement Risk
- Homelessness
- Health

COMMUNITY ART & PROGRAMMING

- Historical Culture
- Social Service Facilities
- Community Centers
- Advocacy & Environment
- Landmarks
- Public Art Programs

SUSTAINABILITY & RESILIENCY

- Sustainability & Climate Action Plans
- Precipitation & Flow
- Energy & Climate
- Urban Agriculture
- Human Hazards
- Wildfire & Flooding

OPERATIONS & MAINTENANCE

- Existing Responsibilities
- Maintenance Regions
- Entities Involved
- Bottom Conditions
- Levees & Landslides
- Bridges
- Utilities and Fences
- Channel Infrastructure

WATER RESOURCES

- Flood Risk
- Groundwater
- Surface Water Quality
- Beneficial Uses
- Water Supply
- Hydrology (Dry & Wet Weather)

INVENTORY + ANALYSIS

FINALIZED

- Ecosystem and Habitat
- Open Space, Recreation, and Trails
- Significant Community Programming and Institutions

UNDER REVIEW

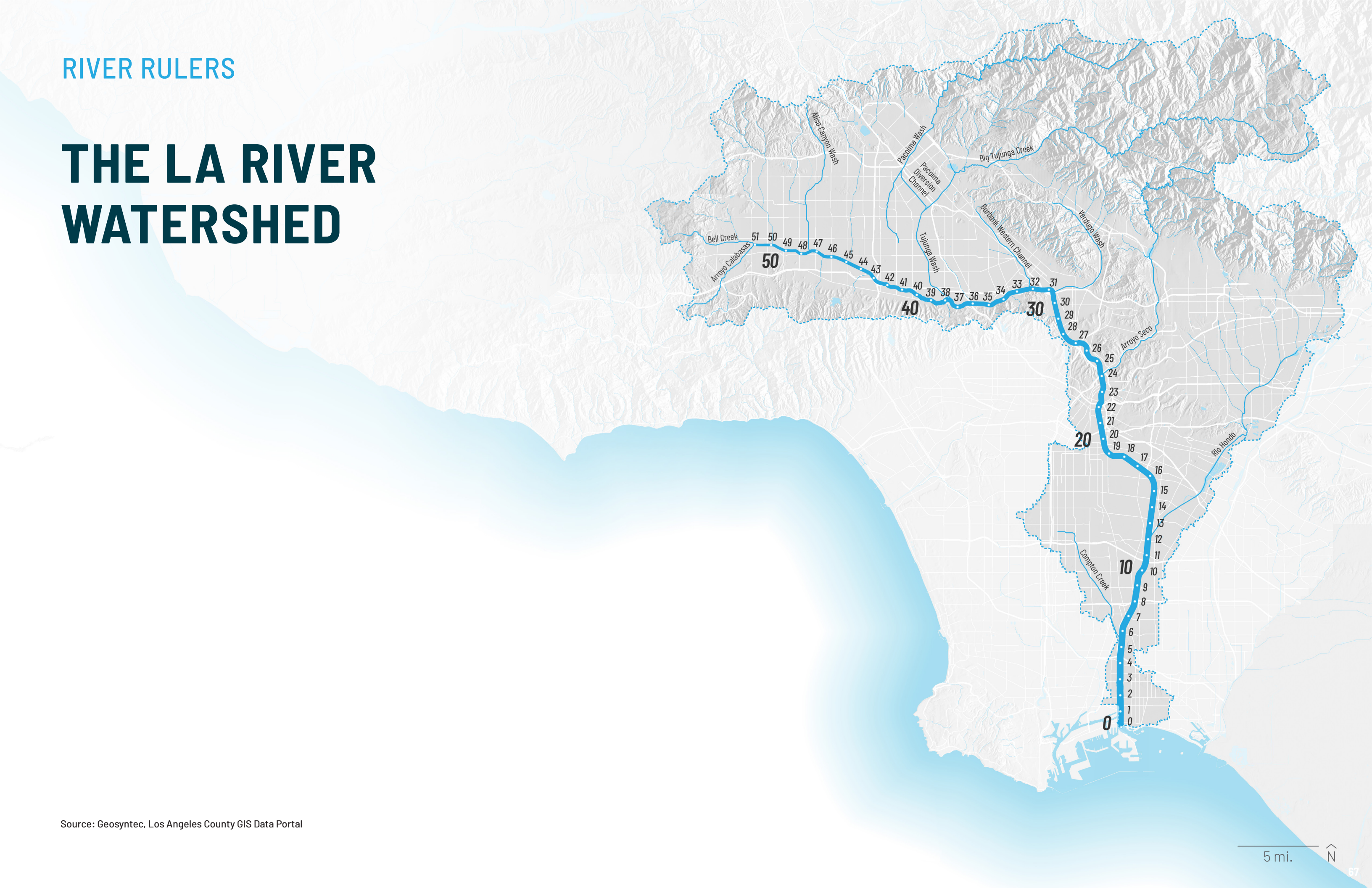
- Operations and Maintenance
- Access, Security, and Safety
- Demographics, Public Health, and Social Equity
- Sustainability and Resiliency

IN PROGRESS

- Water Resources

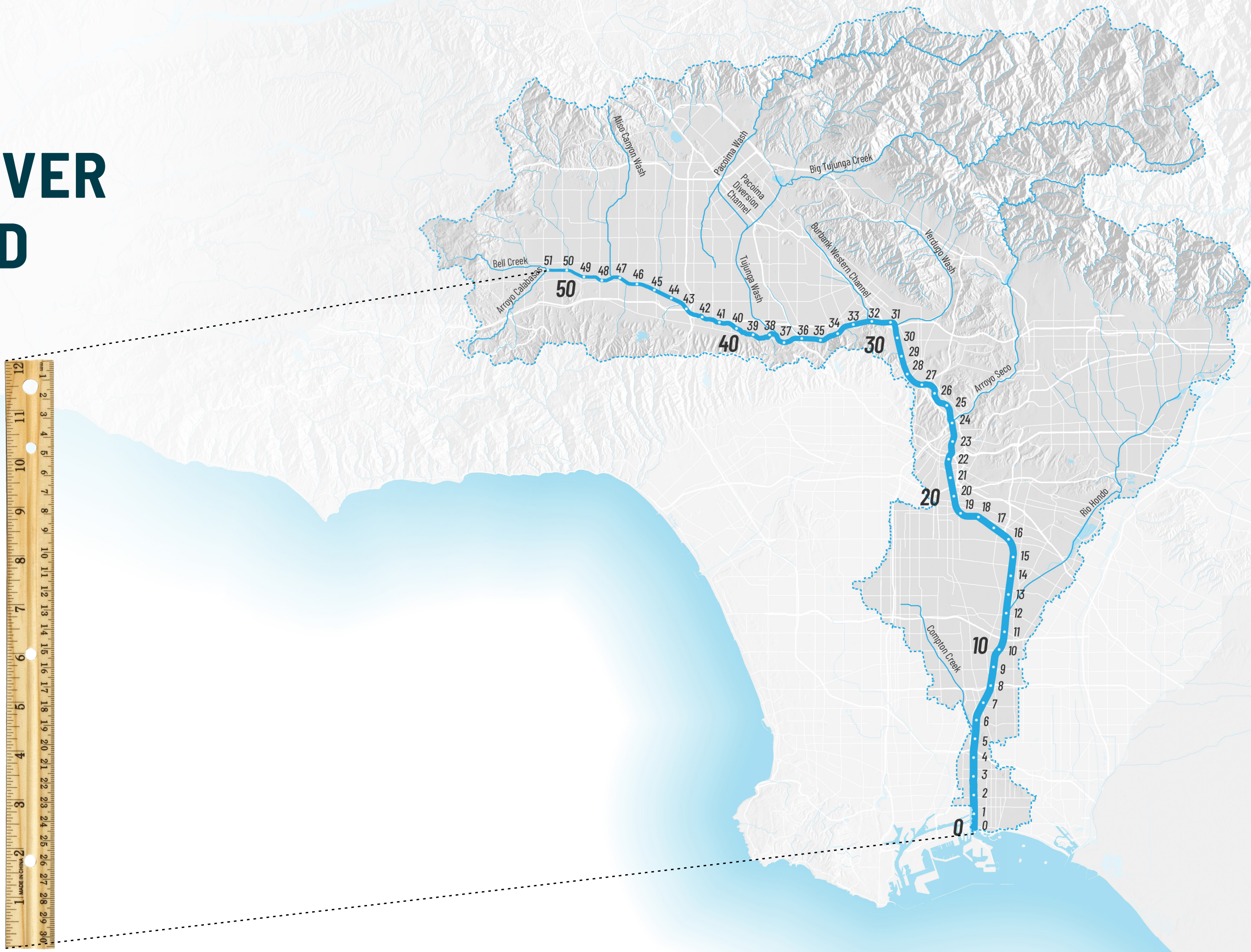
RIVER RULERS

THE LA RIVER WATERSHED

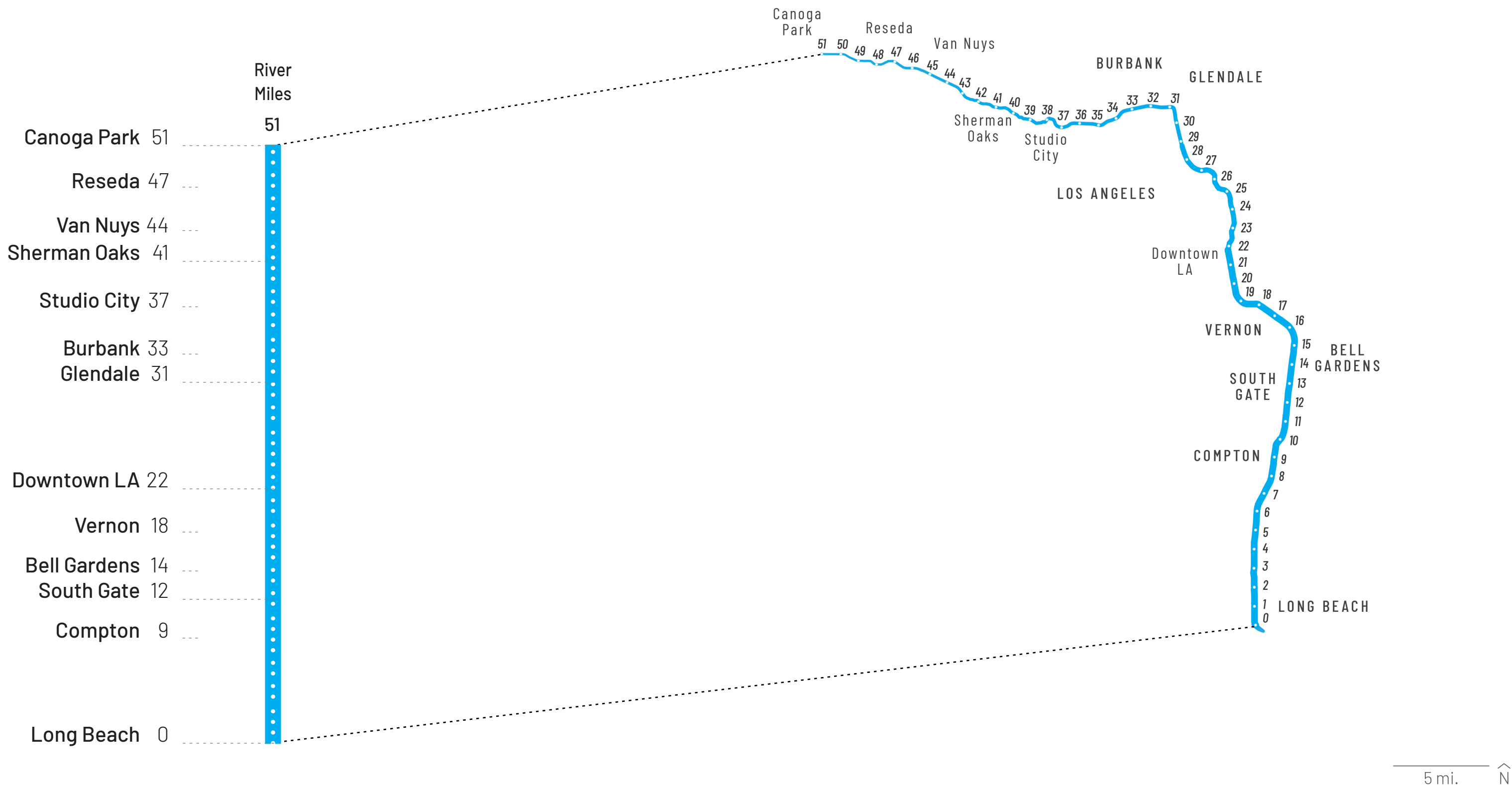


Source: Geosyntec, Los Angeles County GIS Data Portal

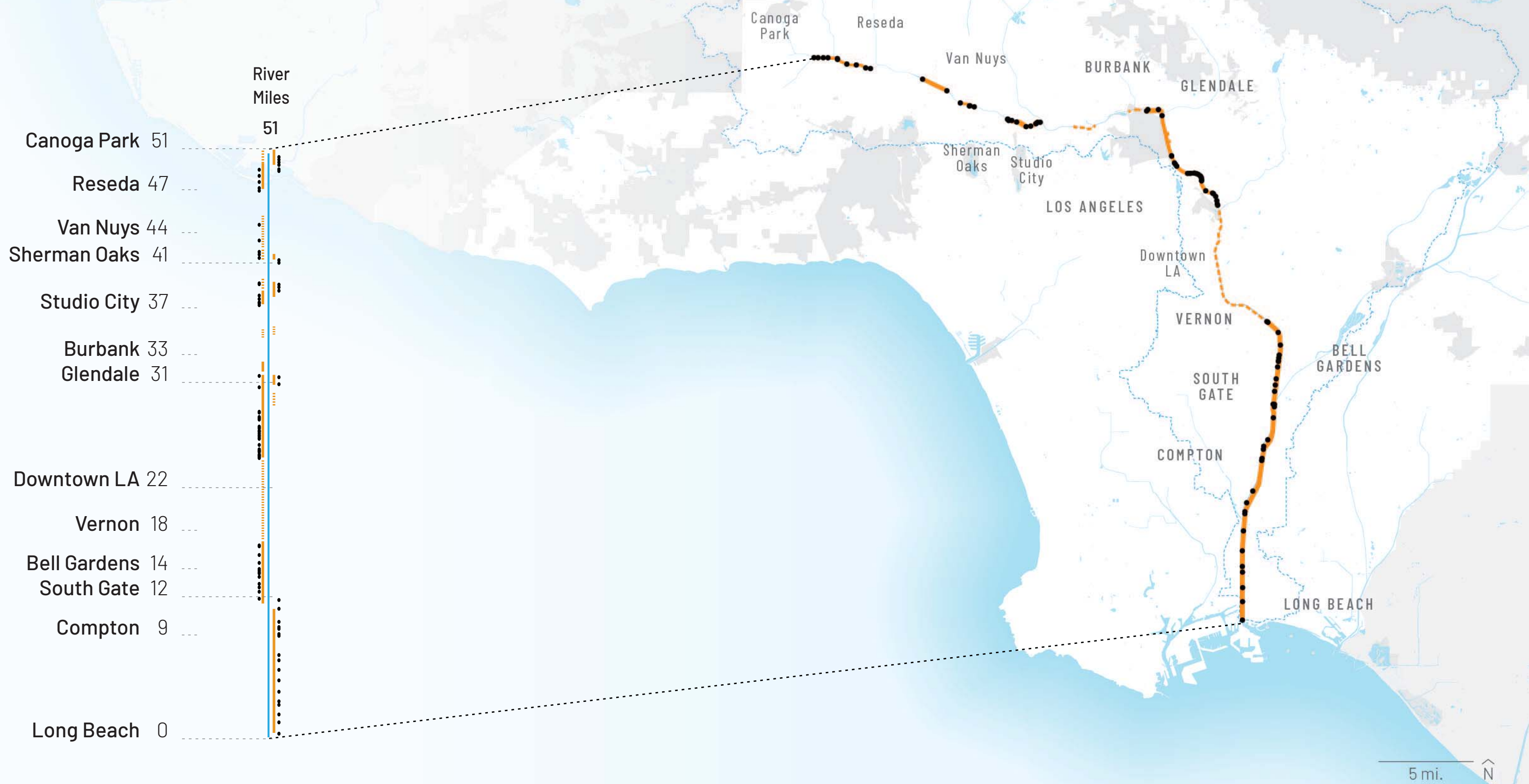
THE LA RIVER MEASURED



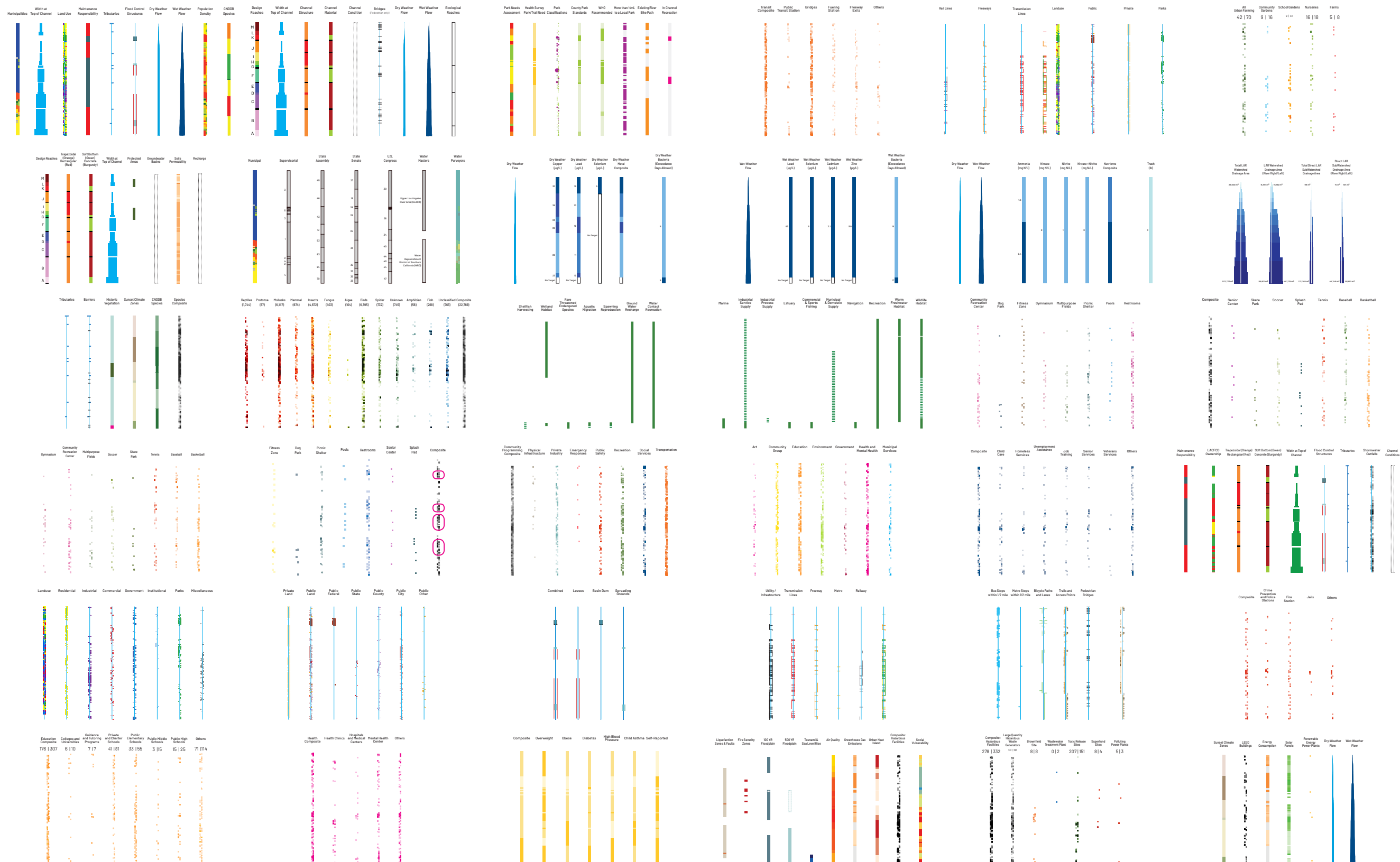
THE LA RIVER RULER



TRAILS AND ACCESS POINTS



RIVER RULERS



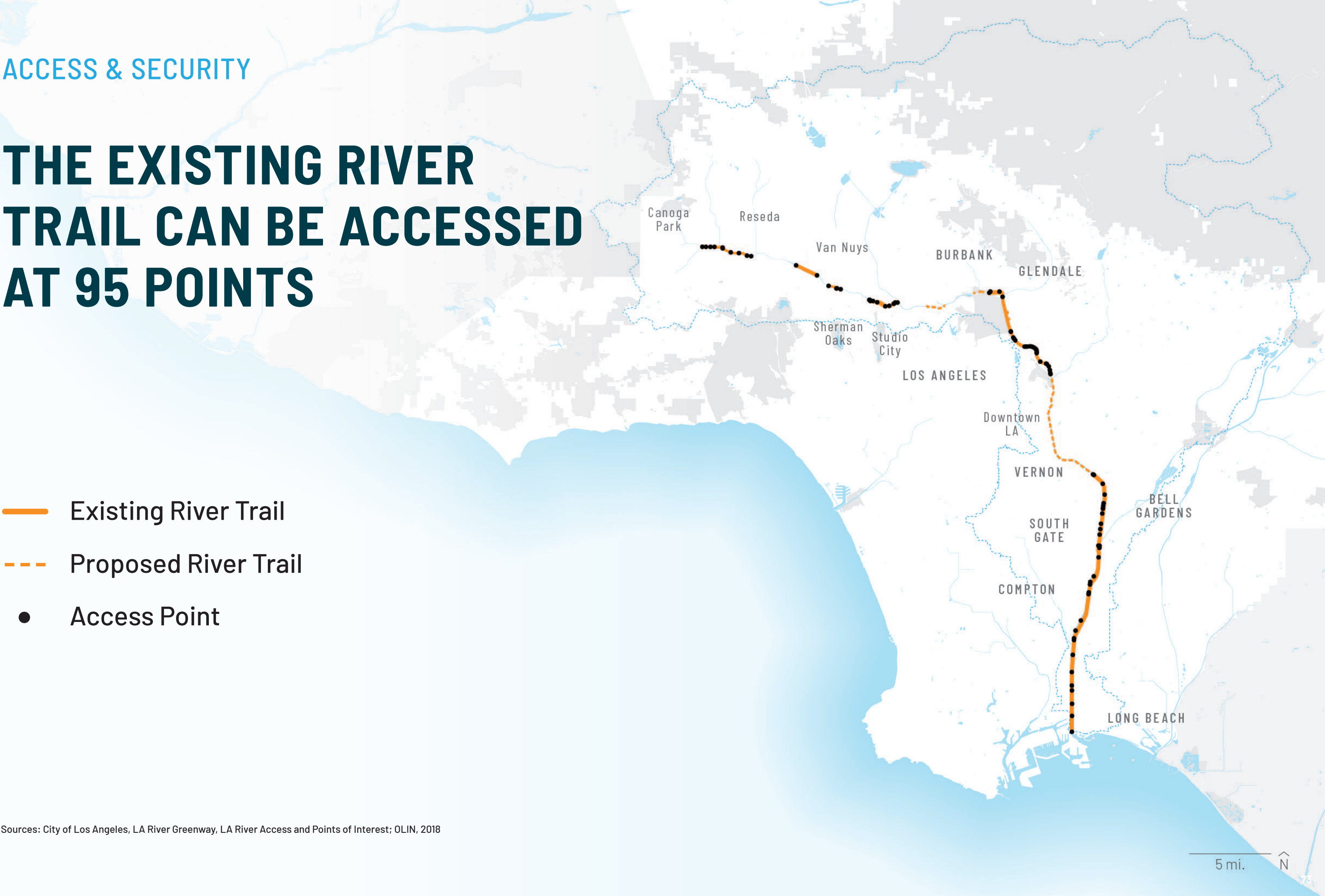
A blue-tinted photograph of an outdoor sports field, possibly a soccer field, with a chain-link fence in the foreground and a grassy hill in the background. The sky is overcast. The text "ACCESS AND SECURITY" is overlaid in large white letters.

ACCESS AND SECURITY

ACCESS & SECURITY

THE EXISTING RIVER TRAIL CAN BE ACCESSED AT 95 POINTS

- Existing River Trail
- Proposed River Trail
- Access Point



Sources: City of Los Angeles, LA River Greenway, LA River Access and Points of Interest; OLIN, 2018

DATA FOR EACH ACCESS POINT

FID	OID	Name	Access Points	Sidewalk Connection	Side of River	Gated	Ped Bridge	Parking	ADA Accessible	Address	Sign Y/N	Trail	Fence Hole	Ped Access	Emergency Vehicles	Bollard	Fence Type			
0	0	Ripple	52	Yes	River Right	Yes	No	Unmetered street parking	Yes	2970 Ripple Pl..	No	LA River Bike Path - Glendale Narrows	No	Yes	Yes	No	Emergency vehicle gate			
1	0	Owensmouth / Bassett	95	Yes	River Left	Yes	Yes	Unmetered street parking	Yes	6900 Owensmouth Ave.	Yes	Headwaters Greenway	No	Yes	Yes	No	Stone columns, chain link fence			
2	0	Canoga / Bassett	94	Yes	River Left	Yes	Yes	Unmetered street parking	Yes	6800 Canoga Ave.	Yes	Headwaters Greenway	No	Yes	Yes	No	Decorative gate, chain link fence			
3	0	Variel / Bassett	93	Yes	River Left	Yes	Yes	Unmetered street parking	Yes	6900 Variel Ave.	Yes	Headwaters Greenway	No	Yes	Yes	No	Chain link fence, stairs, ADA ramp			
4	0	De Soto / Bassett	92	Yes	River Left	Yes	Yes	Unmetered street parking	Yes	6900 De Soto Ave.	Yes	Headwaters Greenway	No	Yes	Yes	No	Stone columns, chain link fence			
5	0	Mason / Bassett	90	Yes	River Left	Yes	Yes	None	Yes	6828 Mason Ave.	Yes	Headwaters Greenway	No	Yes	Yes	No	Decorative fence on bridge, chain link fence			
6	0	Mason	89	Yes	River Right	Yes	Yes	None	Yes	6810 Mason Ave.	No	West Valley Bikeway	No	Yes	Yes	No	Decorative fence on bridge, chain link fence			
7	0	Winnetka	88	Yes	River Right	Yes	Yes	None	Yes	6606 Winnetka Ave.	Yes	West Valley Bikeway	No	Yes	Yes	No	Chain link fence			
8	0	Corbin	87	Yes	River Right	Yes	Yes	Unmetered street parking	Yes	6562 Corbin Ave.	Yes	West Valley Bikeway	No	Yes	No	No	Decorative fence on bridge, chain link fence			
9	0	Tampa	86	Yes	River Right	Yes	Yes	Unmetered street parking	Yes	Tampa Ave.	Yes	West Valley Bikeway	No	Yes	Yes	No	Iron fence, chain link fence			
10	0	Vanalden	85	No	River Right	No	Yes	Unmetered street parking	No	6414 Vanalden Ave.	No	West Valley Bikeway	No	Yes	No	No	No fence, iron fence, chain link fence			
11	0	Balboa	84	Yes	River Right	Yes	Yes	None	Yes	Balboa Blvd.	Yes	West Valley Bikeway	No	Yes	No	No	Iron fence			
12	0	Burbank	83	No	River Right	Yes	No	None	No	Burbank Blvd.	No	Los Angeles Riverfront Greenway	No	Yes	Yes	No	Chain link fence			
13	0	Sepulveda / Valleyheart	82	Yes	River Right	No	Yes	Unmetered street parking	Yes	4984 Sepulveda Blvd.	Yes	Los Angeles Riverfront Greenway	No	Yes	Yes	Yes	Iron fence			
14	0	Valleyheart / Kester	80	No	River Right	No	Yes	None	Yes	14900 Valleyheart Dr.	Yes	Los Angeles Riverfront Greenway	No	Yes	Yes	Yes	Green iron fence			
15	0	Valleyheart / Huston	79	Yes	River Left	No	Yes	Unmetered street parking	Yes	14852 Valleyheart Dr	No	Ernie's Walk	No	Yes	No	No	No fence, ADA ramp			
16	0	Valleyheart / Cedros	78	No	River Left	No	No	Unmetered street parking	TBD	4805 Cedros Ave.	Yes	Ernie's Walk	No	Yes	No	No	No fence, emergency vehicle gate, stairs			
17	0	Fulton / Valleyheart	77	Yes	River Right	No	Yes	Unmetered street parking	No	13298 Valleyheart Dr.	Yes	North Valleyheart Riverwalk	No	Yes	No	No	No fence, stone columns			
18	0	Longridge / Valleyheart	75	Yes	River Right	No	No	Unmetered street parking	Yes	13227 Valleyheart Dr.	Yes	North Valleyheart Riverwalk	No	Yes	Yes	No	Park, white iron fence, emergency vehicle gate			
19	0	Valleyheart / Ethel	74	No	River Left	No	No	Unmetered street parking	Yes	13099 N Valleyheart Dr.	Yes	North Valleyheart Riverwalk	No	Yes	No	No	Stone columns, iron fence			
20	0	Coldwater Canyon / Valleyheart	73	Yes	River Left	Unknown	Yes	Unmetered street parking	Yes	4250 Coldwater Canyon Ave.	Yes	North Valleyheart Riverwalk	No	Yes	No	No	Iron fence			
21	0	Valleyheart / Fulton	76	No	River Left	Yes	Yes	Unmetered street parking	Yes	132000 Bloomfield St.	Yes	North Valleyheart Riverwalk	No	Yes	Yes	No	No fence, white iron emergency vehicle gate			
22	0	Whitsett	72	Yes	River Right	Unknown	Yes	None	Yes	12500 Valleyheart Dr.	Yes	Los Angeles River Greenway	No	Yes	No	No	Iron fence			
23	0	Laurelgrove	71	Yes	River Right	Yes	Yes	Metered street parking	Yes	12300 Ventura Ct.	No	Los Angeles River Greenway	No	Yes	Yes	No	Iron fence			
24	0	Laurel CanyonÂ	70	Yes	River Right	No	Yes	None	Yes	4070 Laurel Canyon Blvd.	Yes	Los Angeles River Greenway	No	Yes	No	No	Iron fence			
25	0	Valleyheart / Laurel Canyon	69	Yes	River Right	Yes	Yes	None	Yes	12098 Valleyheart Dr.	Yes	Valleyheart Greenway	No	Yes	No	Yes	Decorative gate			
26	0	Valleyheart / Guerin	68	No	River Right	No	No	Unmetered street parking	No	12078 Valleyheart Dr.	No	Valleyheart Greenway	No	Yes	No	No	Stairs			
27	0	Valleyheart / Radford	67	Yes	River Right	Yes	Yes	Metered and unmetered street	Yes	12000 Valleyheart Dr.	No	Valleyheart Greenway	No	Yes	No	Yes	Park			
28	0	Garden / Paula	65	Yes	River Left	Yes	No	Handicapped and unmetered street	Yes	1300 Garden St.	Yes	LA River Bike Path - Glendale Narrows	No	Yes	Yes	Yes	Park, iron fence			
29	0	Flower / Fairmont	64	No	River Left	Yes	No	None	No	905 Flower St.	Yes	LA River Bike Path - Glendale Narrows	No	Yes	Yes	Unknown	Construction fence			
30	0	Riverside	66	Yes	River Right	Yes	Yes	None	Yes	48 Riverside Dr.	Yes	LA River Bike Path - Glendale Narrows	No	Yes	No	No	Construction fence			
31	0	Zoo Drive	63	No	River Right	Yes	No	None	Yes	N. Zoo Dr.	Yes	LA River Bike Path - Glendale Narrows	No	Yes	Yes	No	Chain link fence			
32	0	Los Feliz North	62	Yes	River Right	Yes	Yes	None	Yes	3357 Los Feliz Blvd.	Yes	LA River Bike Path - Glendale Narrows	No	Yes	Yes	No	Chain link fence			
33	0	Sunnynook Pedestrian Bridge	60	Yes	River Right	Unknown	Yes	None	No	2901 Glendale Blvd.	Yes	LA River Bike Path - Glendale Narrows	No	Yes	No	No	Chain link fence			
34	0	Sunnynook River Park	59	Yes	River Right	No	Yes	No	Yes		Unknown	LA River Bike Path - Glendale Narrows	No	Yes	No	No	Park			
35	0	Glendale	58	Yes	River Right	Yes	Yes	None	Yes	Glendale Blvd.	Yes	LA River Bike Path - Glendale Narrows	No	Yes	Yes	No	Chain link fence			
36	0	LA River Bicycle Park at Crystal St	56	No	River Right	Yes	No	None	Yes	2499 Crystal St.	Yes	LA River Bike Path - Glendale Narrows	No	Yes	Yes	No	Chain link fence			
37	0	Fletcher / Rattlesnake Park	55	Yes	River Right	Yes	Yes	None	Yes	2508 Fletcher Dr.	Yes	LA River Bike Path - Glendale Narrows	No	Yes	Yes	No	Park, decorative gate			
38	0	Gilroy	53	Yes	River Right	No	No	Unmetered street parking	Yes	3099 Gilroy St.	No	LA River Bike Path - Glendale Narrows	No	Yes	Yes	No	No fence			
39	0	Lewis MacAdams Riverfront Park	51	Yes	River Right	Yes	No	Unmetered street parking	Yes	3000 Gleneden St.	Yes	LA River Bike Path - Glendale Narrows	No	Yes	No	No	Park, iron fence			
40	0	Coolidge	49	No	River Right	No	No	Unmetered street parking	TBD	3047 N. Coolidge Ave.	No	LA River Bike Path - Glendale Narrows	No	Yes	No	No	No fence			
41	0	Elysian Valley Gateway Park	47	Yes	River Right	Yes	No	Unmetered street parking	Yes	2907 Knox Ave.	Yes	LA River Bike Path - Glendale Narrows	No	Yes	No	Yes	Park			
42	0	Denby	48	Yes	River Right	No	No	Unmetered street parking	No	2998 Denby Ave.	No	LA River Bike Path - Glendale Narrows	Yes	Yes	No	No	Informal chain link fence opening			
43	0	Newell	46	No	River Right	No	No	Unmetered street parking	No	2831 Newell St.	No	LA River Bike Path - Glendale Narrows	Yes	Yes	No	No	Informal chain link fence opening			
44	0	Riverdale	44	Yes	River Right	Yes	No	Unmetered street parking	Yes	2240 Riverdale Ave.	No	LA River Bike Path - Glendale Narrows	No	Yes	No	No	Iron fence			
45	0	Meadowvale	43	Yes	River Right	Yes	No	Unmetered street parking	Yes		No	LA River Bike Path - Glendale Narrows	No	Yes	No	No	Decorative gate			
46	0	Gatewood	40	No	River Right	No	No	Unmetered street parking	No	2441 Gatewood St	No	LA River Bike Path - Glendale Narrows	No	Yes	No	No	No fence			

ACCESS & SECURITY



LAUREL CANYON ACCESS POINT

Source: Google Streetview 2018



DE FOREST ACCESS POINT

Source: Google Streetview 2018



OWENSMOUTH ACCESS POINT

Source: Google Streetview 2015



RANCHO PORTILLO ACCESS POINT

Source: Google Streetview 2018



FLORENCE SOUTH ACCESS POINT

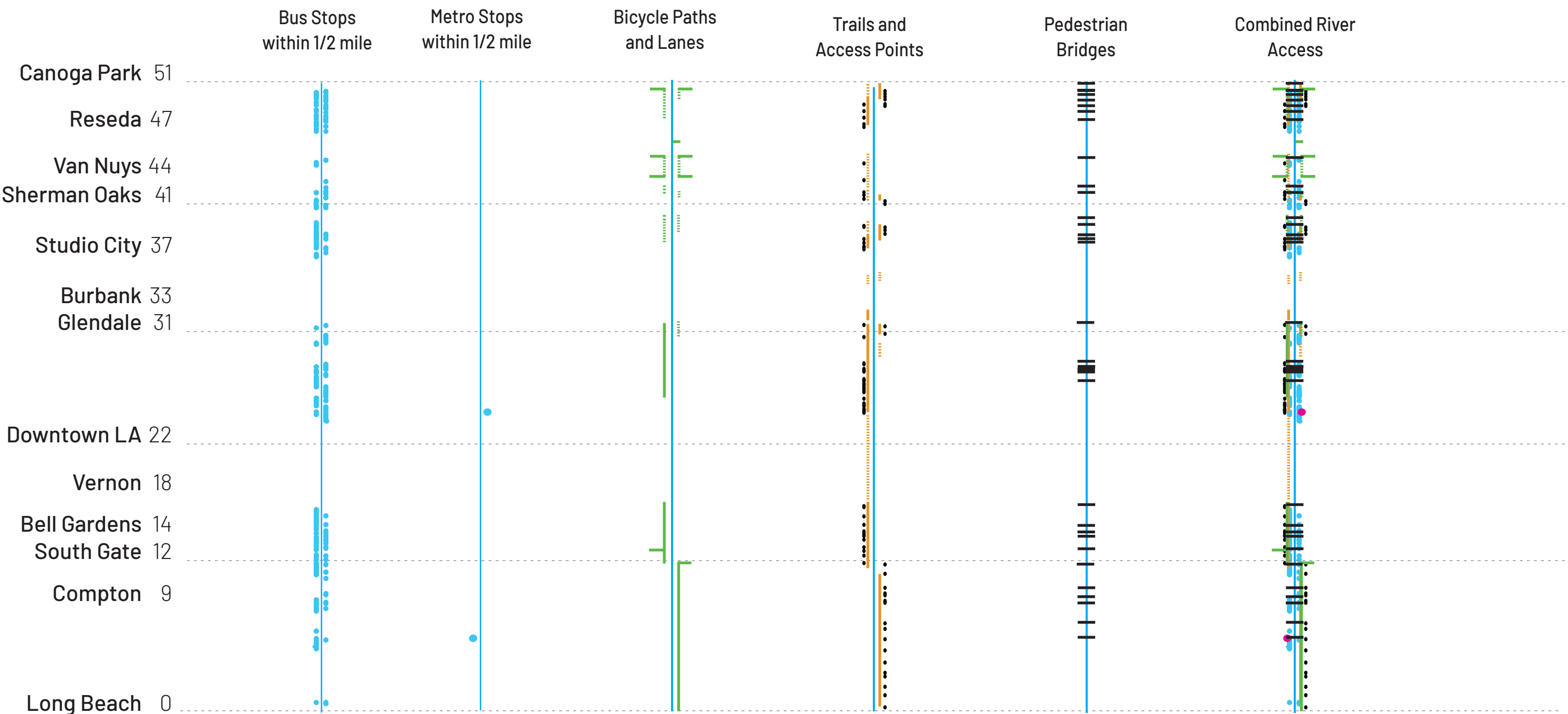
Source: Google Streetview 2018



DISTRICT ACCESS POINT

Source: Google Streetview 2018

ACCESS ALONG THE LA RIVER



ONLY 45% OF ACCESS POINTS CONNECT TO PEDESTRIAN- ACCESSIBLE BRIDGES

- Access Point with Pedestrian-Accessible Bridge
- Other Access Points



ACCESS & SECURITY

CHANNEL FLOOD RISK



**STRETCH OF THE LOS ANGELES RIVER
WITH A TRAPEZOIDAL CHANNEL**

Source: OLIN



**FLOODWATERS ALONG THE NARROWS SOUTHWARD UNDER THE
LOS FELIZ BRIDGE IN 1978**

Source: Clarence Inman Collection, <https://boomcalifornia.com/2013/06/17/showdown-at-the-glendale-narrows/>

PERCEIVED SAFETY | USER TESTIMONY

"The trail must be shared with bicyclists who speed along at extremely high speeds...it actually feels dangerous sometimes...they won't stop and you better get out of their way!"

Roger D. | La Canada, CA | 08.10.2017

"I agree with everyone else about the safety issue. We did encounter some interesting characters...so... women....be aware! Having said that I would go again alone but most likely only in broad daylight. There are enough people around to keep you safe."

Cynthia A. | Los Angeles, CA | 05.31.2015

"It's extremely hard to see without a bright bike light when you are going south because of the headlights of the cars blinding you on the 5N. There are street lights that line the path but they are never on. I have no idea why."

Matt A. | Los Angeles, CA | 05.02.2014

"I had really high hopes for this trail. It's a trail. And some parts are pretty scenic, but around Los Feliz was not an area I would take children or want to go through again. Lots of trash everywhere, tents of homeless along the sides, and large objects on the trail. Urine stench was pretty strong. It was meh.."

Lisa C. | Valencia, CA | 02.10.2018

Source: <https://www.yelp.com/biz/la-river-bike-path-los-angeles>, <https://www.traillink.com/trail/los-angeles-river-trail/>

A blue-tinted photograph of a river scene. In the foreground, a large, smooth, light-colored rock sits on the left side of the river. The water is dark and rippling. In the background, there are dense green bushes and trees. Several ducks are visible in the water, swimming and foraging. The overall scene is a natural, outdoor setting.

WATER RESOURCES

Source: Flickr user Scott Lowe, Ducklings on the LA River, 2012, <https://www.flickr.com/photos/scottlowe/7465161472/in/photolist-by1zop-bk6H9G-bk6CWJ-by1HyX-bk6R5L-bk6DaG-NSQHrE-oAGLwi-NSRMNd-KSxmGP-ns24CE-nd32B1-GAJoEK-ohsvq8-bwWiyB-bwWnM8-cnEZj9-8RLgww-cnEUqy-8RLf13-YarCcu-by1wMv-bk6FnN-by1xG6-by1wtV-by1zW4-by1E9k-by1GZg-bk6Rqh-by1DRz-by1B5x-bk6RYN-by1EMc-by1BjM-by1JSM-by1BAR-NZduq4-P7YckM-cnESU1-ceQzdd-bwWjUB-axy29B-8RLh9q-kCQeEe-8RH8AB-eKWQeL-GAJqoV-KSxmUc-LDTDcS-kCRZpC>

WATER RESOURCES

THE LA RIVER DRAINS
AN 834 SQUARE MILE
WATERSHED



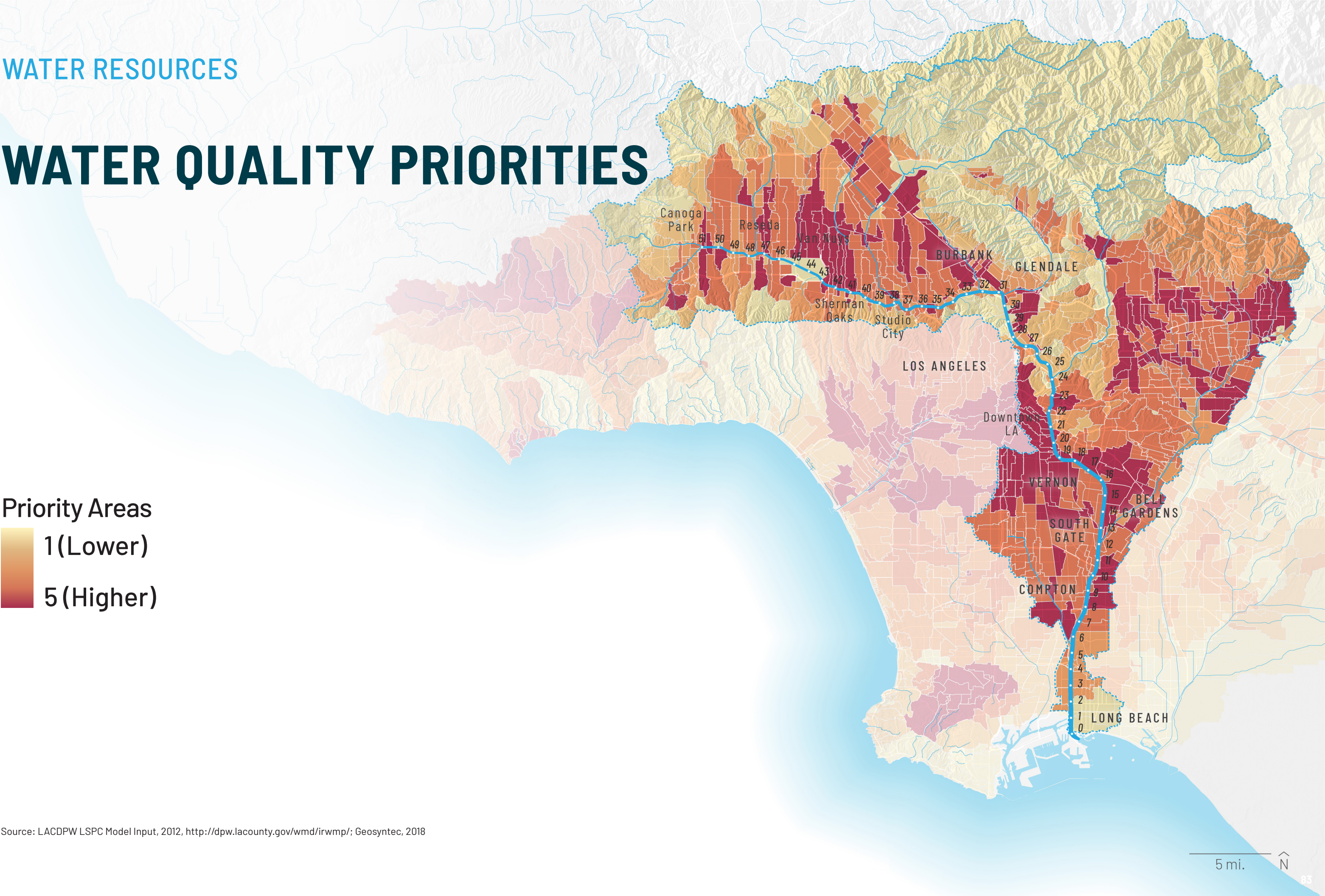
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

WATER QUALITY PRIORITIES

Priority Areas

1 (Lower)

5 (Higher)



Source: LACDPW LSPC Model Input, 2012, <http://dpw.lacounty.gov/wmd/irwmp/>; Geosyntec, 2018

WATER RESOURCES

TRIBUTARY AREAS

Direct Tributary Area
< 1mi² at the head
207 mi² at the mouth

Total Tributary Area
40 mi² at the head
834 mi² at the mouth

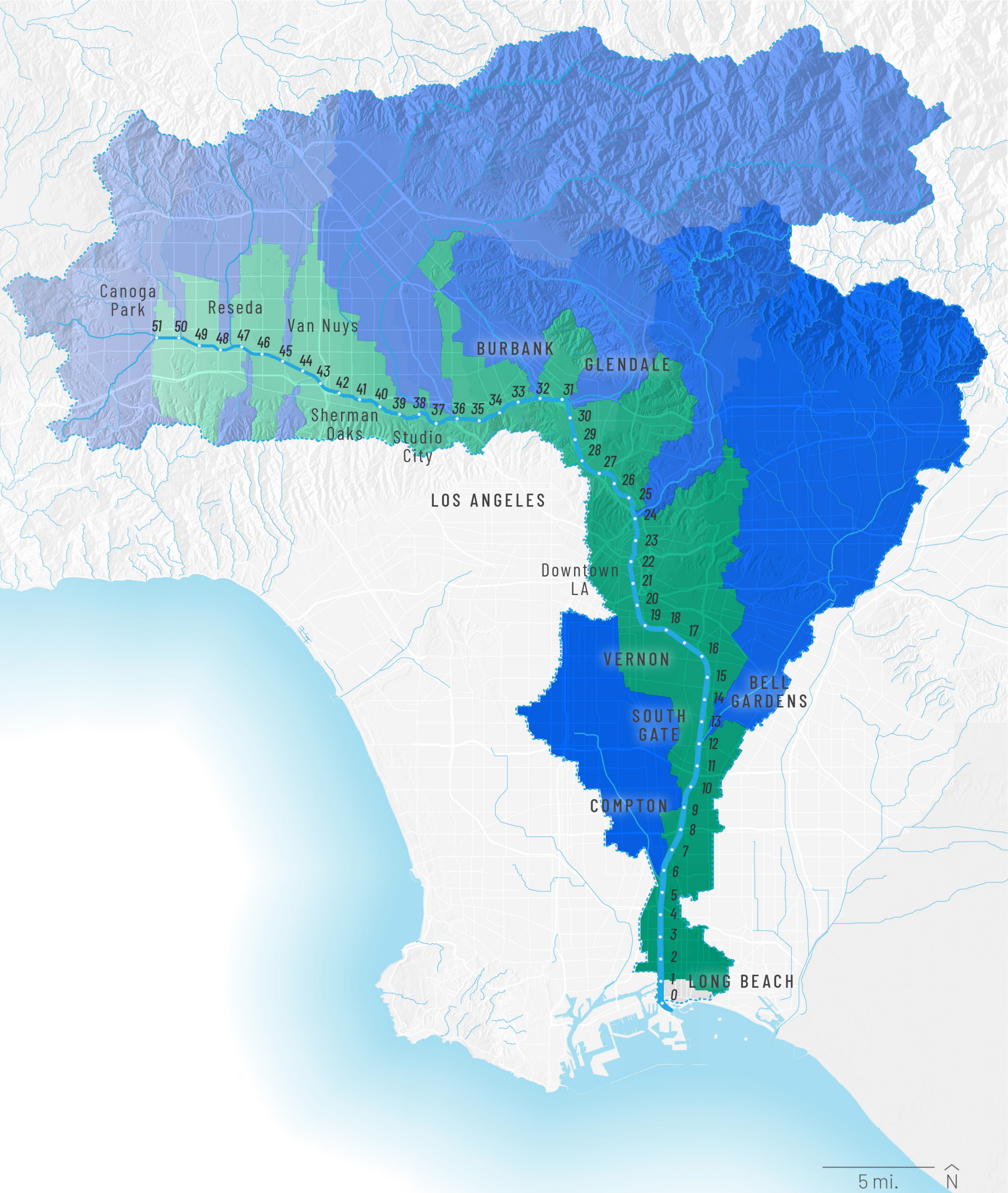
Cumulative Direct Drainage Area to the LA River

- River Mile 51
- River Mile 0

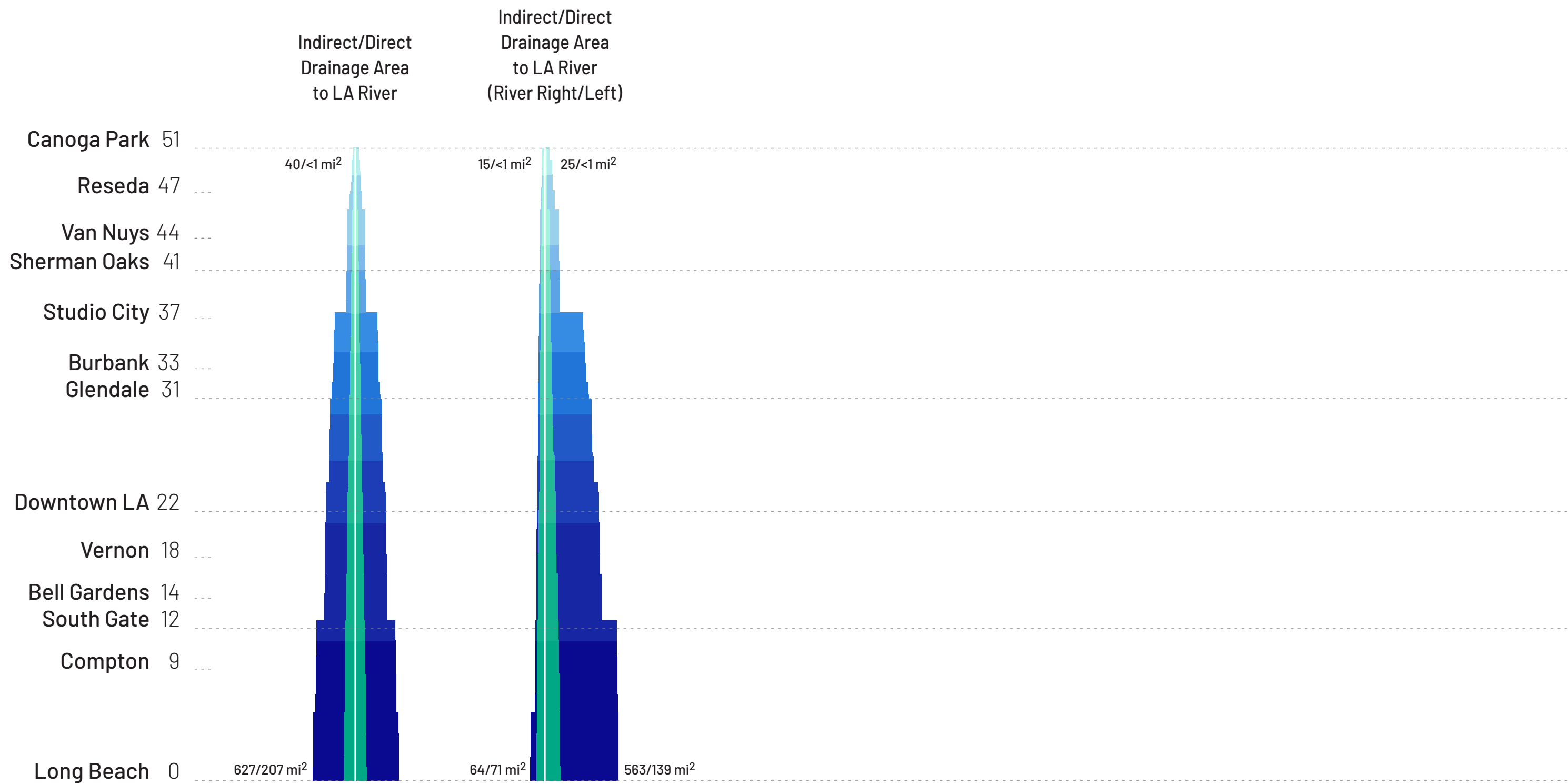
Cumulative Total Drainage Area to the LA River

- River Mile 51
- River Mile 0

Source: LACDPW LSPC Model Input, 2012



TRIBUTARY AREAS



PROJECTS WITH WATER QUALITY BENEFITS

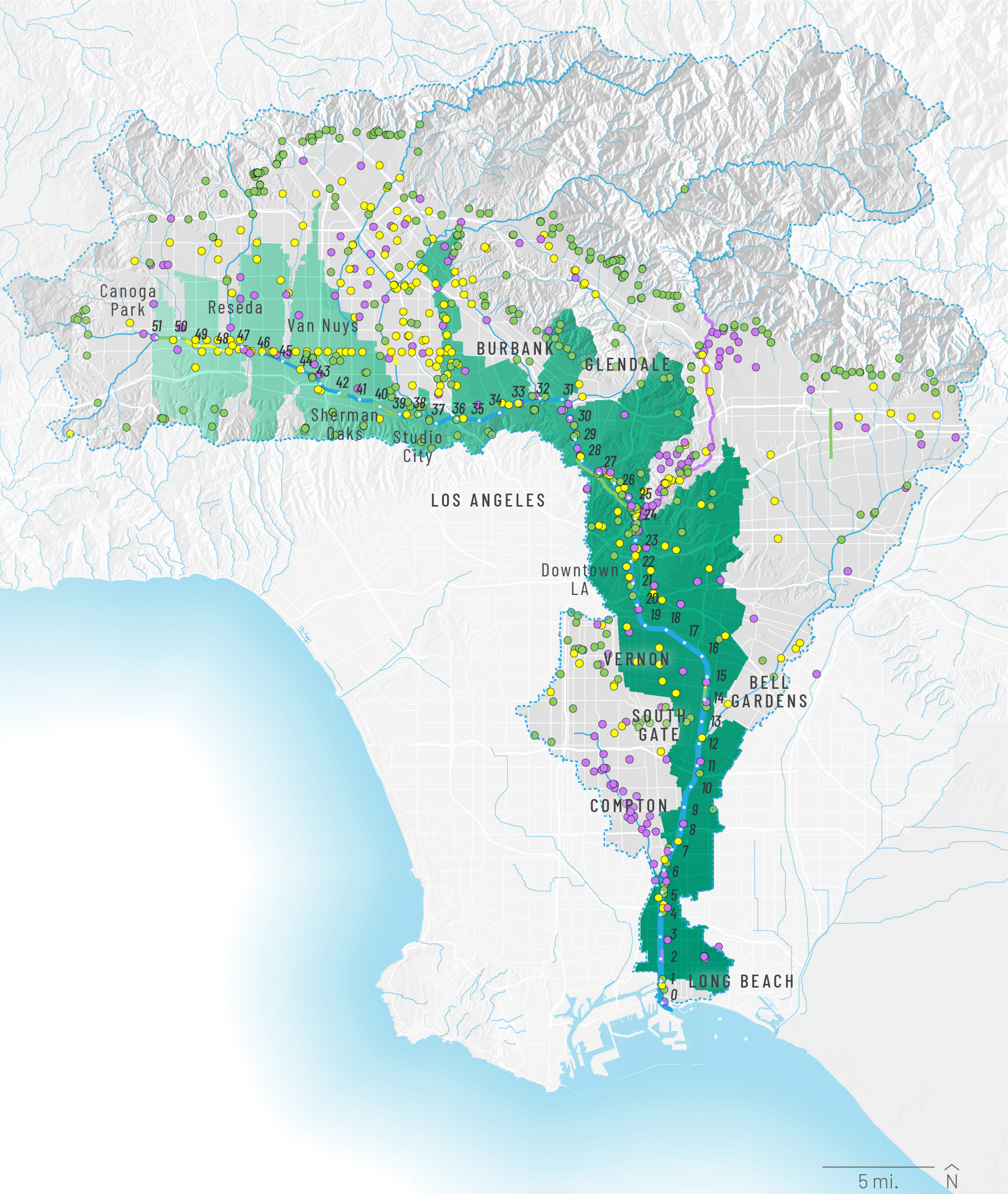
Water Quality Projects

- Constructed
- In-Development
- Planned

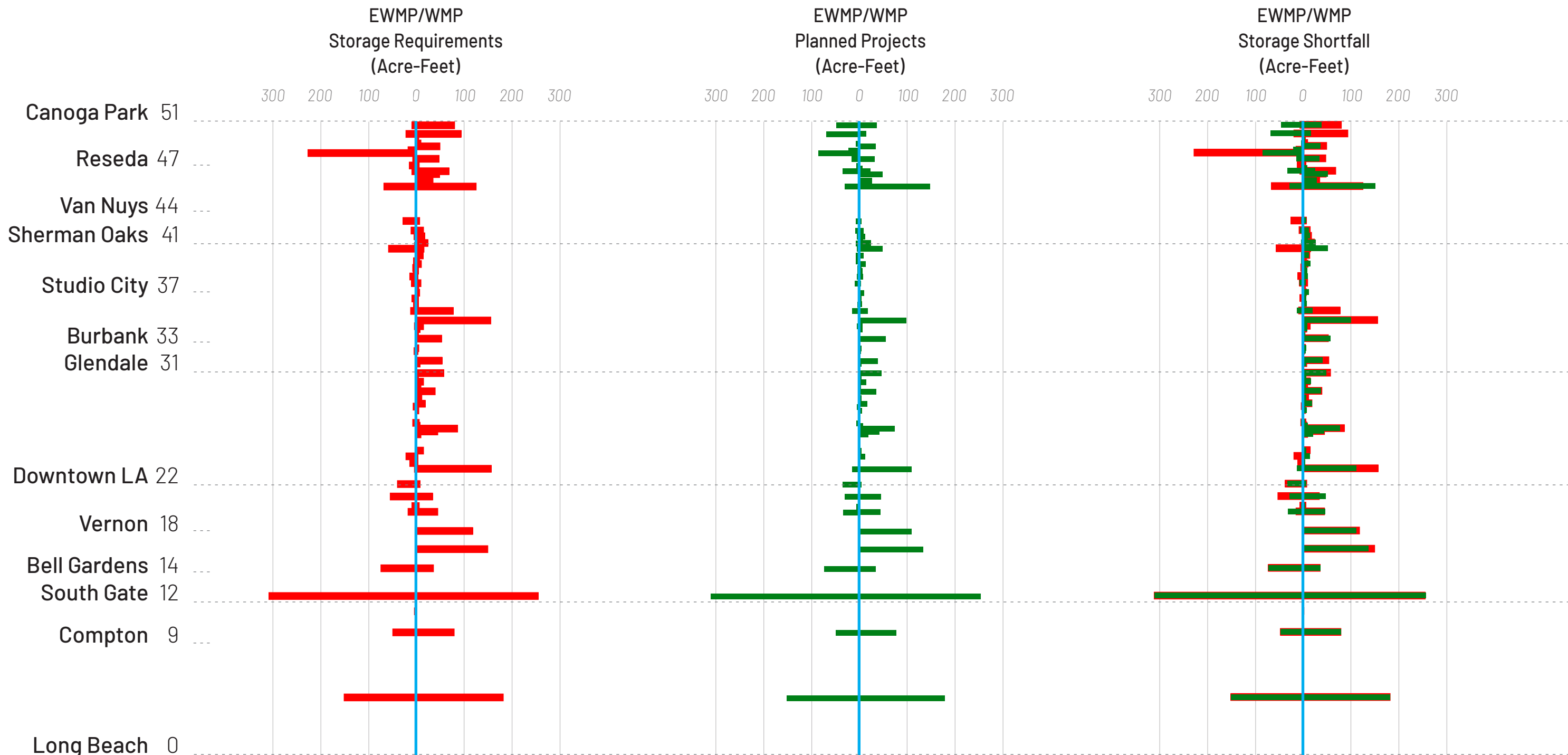
Cumulative Direct Drainage Area to the LA River

- River Mile 51
- River Mile 0

Source: OLIN/Geosyntec, LARMP Task 2 Project Database



EWMP/WMP TARGET RULER



Source: ULAR EWMP (2016), https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/watershed_management/los_angeles/upper_losangeles/20160127/UpperLARiver_mainbody_revEWMP_Jan2016.pdf, LAR UR2 WMP (2015), https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/watershed_management/los_angeles/upper_reach2/Upper_LA_River_R2_FinalWMP.pdf, LLAR WMP (2017), https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/watershed_management/los_angeles/lower_losangeles/LLARWMP2017updated.pdf

WATER RESOURCES

HYDROLOGIC DRIVERS ARE DIVERSE

Upper Los Angeles River Area Watermaster:

- San Fernando Basin
- Sylmar Basin
- Verdugo Basin
- Eagle Rock Basin

Water Replenishment District of Southern California:

- Central Basin
- West Coast Basin

Main San Gabriel Basin Watermaster:

- Main San Gabriel Basin

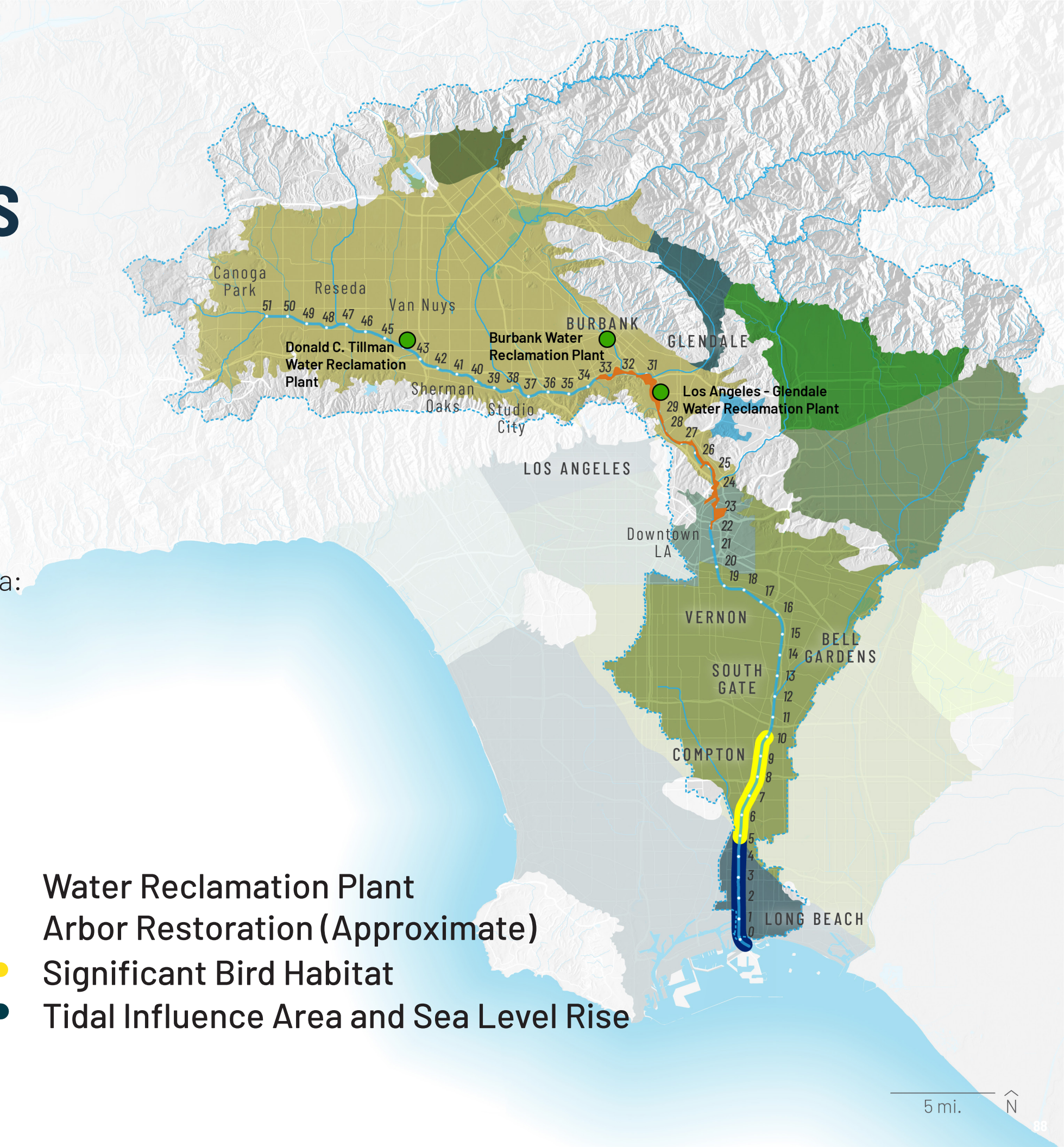
Raymond Basin Management Board:

- Raymond Basin

Under SGMA Process:

- North Central Basin
- Hollywood Basin (Low Priority)
- Santa Monica Basin

- Water Reclamation Plant
- Arbor Restoration (Approximate)
- Significant Bird Habitat
- Tidal Influence Area and Sea Level Rise



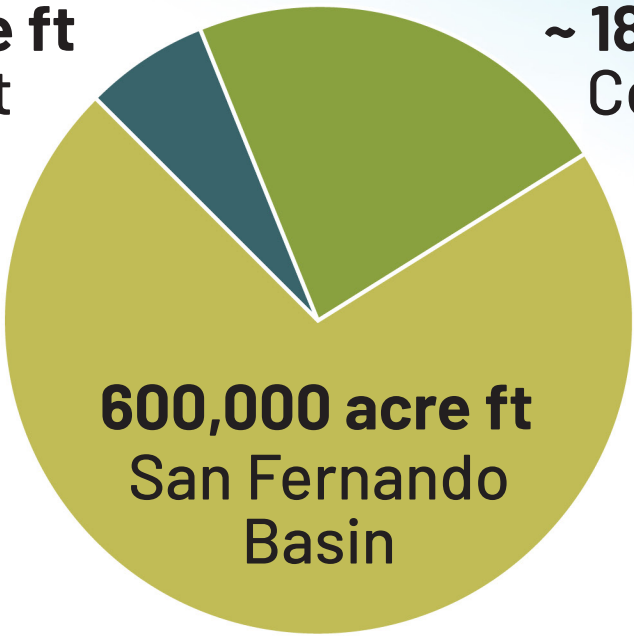
Source: LACDPW GIS Data Portal; Geosyntec, 2018

GROUNDWATER BASINS AVAILABLE STORAGE

- San Fernando Basin
- Central Basin
- West Coast Basin

TOTAL ~ 840,000 acre ft

~ 53,000 acre ft
West Coast
Basin



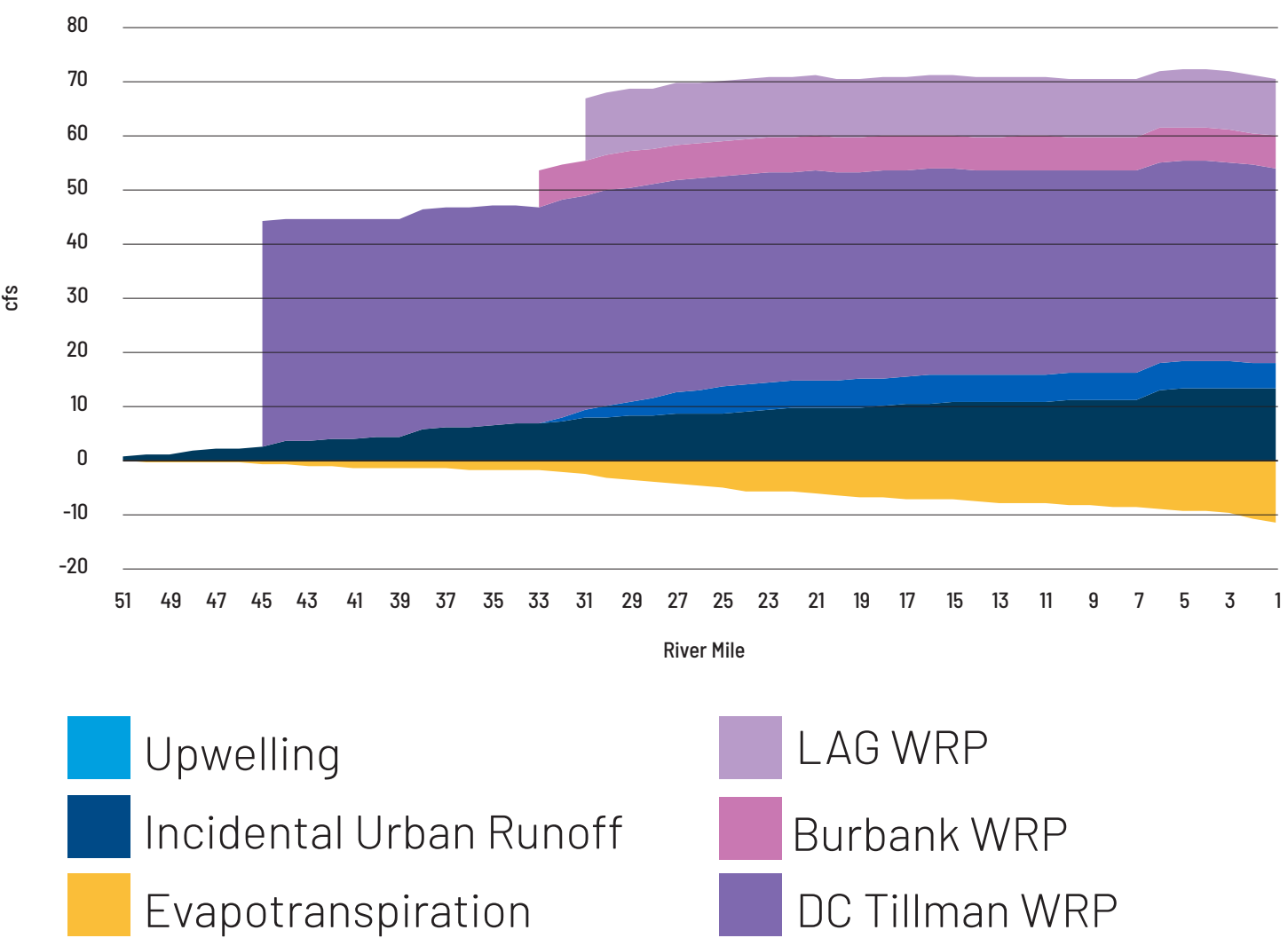
~ 187,000 acre ft
Central Basin

Source: GAMA GIS Database, https://www.waterboards.ca.gov/water_issues/programs/gama/online_tools.html

ESTIMATED EXISTING DRY WEATHER FLOW AT MOUTH: 51,000 AFY

Assumptions:

- DC Tillman Discharge = 42 cfs
- LA/Glendale Discharge = 12.1 cfs
- Burbank WWTP Discharge = 7 cfs
- Upwelling Flow (total) = 5.6 cfs
- Dry Weather Urban Flow = 84 gpd/imp ac
- Evaporation Rate (Upstream of RM 24) = 0.021 in/hr
- Evaporation Rate (Downstream of RM 24) = 0.017 in/hr
- Additional ET in ARBOR Reach = 0



Source: Adapted from OneWater LA 2040 Plan

WET WEATHER FLOWS AT MOUTH

Average Volume of Wet Weather Events:

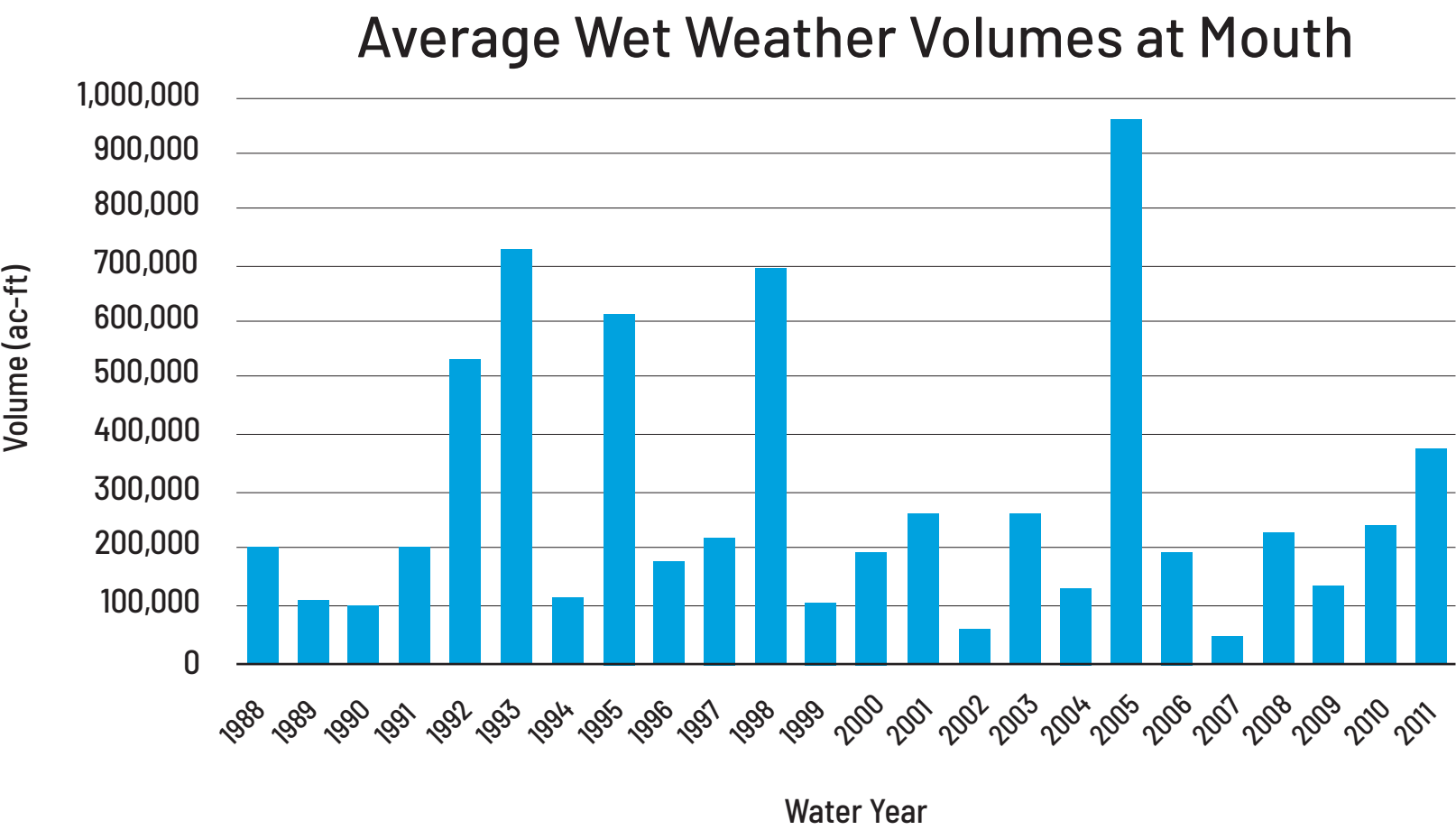
280,000 AFY

Wettest Year - 2005:

950,000 AFY

Driest Year - 2007

50,000 AFY



Source: LA River Index

WATER RESOURCES

GROUNDWATER BASINS

● Groundwater Production Wells (Existing & Historical)

Upper Los Angeles River Area Watermaster:

- San Fernando Basin
- Sylmar Basin
- Verdugo Basin
- Eagle Rock Basin

Water Replenishment District of Southern California:

- Central Basin
- Forebay
- West Coast Basin

Main San Gabriel Basin Watermaster:

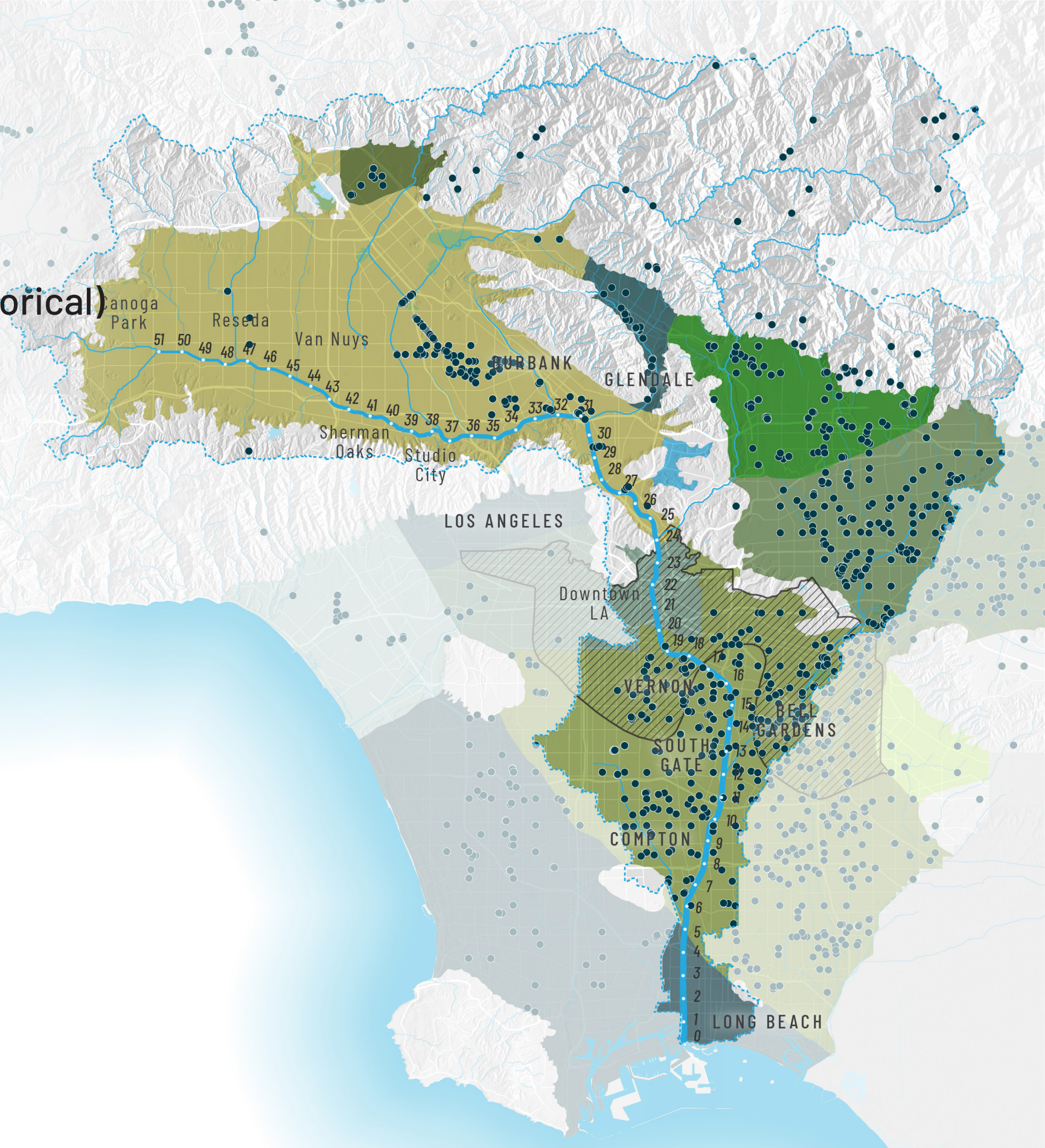
- Main San Gabriel Basin

Raymond Basin Management Board:

- Raymond Basin

Under SGMA Process:

- North Central Basin
- Hollywood Basin (Low Priority)
- Santa Monica Basin

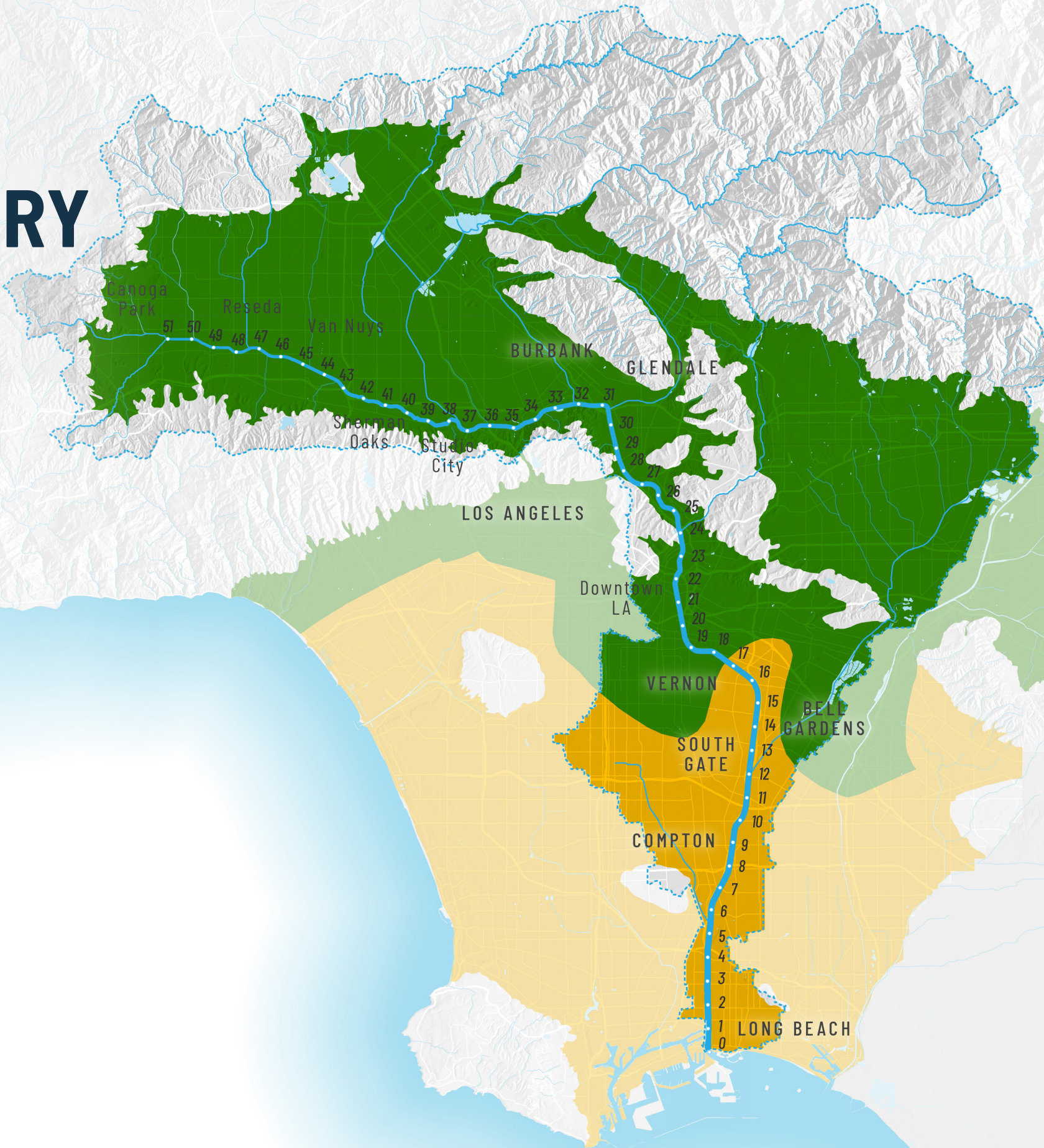


Source: GAMA GIS Database, https://www.waterboards.ca.gov/water_issues/programs/gama/online_tools.html

WATER RESOURCES

RECHARGE PATHWAYS VARY

- Confined Aquifer
- Unconfined Aquifer



Source: LADWP SCMP

WATER RESOURCES

FLOOD CONTROL AND
WATER CONSERVATION
RESERVOIRS

Dams and Reservoirs

- 1: Sawpit Dam

2: Highland Dam

3: Chevy Chase 968 Reservoir

4: Glorietta Reservoir

5: Whittier Narrows Dam

6: Santa Anita Dam

7: Devil's Gate Dam

8: Laguna

9: Eagle Rock Dam

10: Hansen Dam
- 11: Lopez Dam

12: Sepulveda Dam

13: Burbank Reservoir No. 1

14: Glenoaks 968 Reservoir

15: Western Reservoir

16: Burbank Reservoir No. 5

17: Garvey Reservoir

18: Encino Dam

19: Sawpit Debris Basin

20: Eaton Wash Dam
- 21: Big Tujunga Dam

22: Sierra Madre Dam

23: Ascot Dam

24: Brand Park Reservoir

25: Green Verdugo Dam

26: Elysian Dam

27: Pacoima Dam

28: Morris S. Jones Res.

29: Lincoln Park Lake

30: Peck Road Park Lake
- 31: Legg Lake

32: Burbank Reservoir No.4

33: Glorietta Reservoir

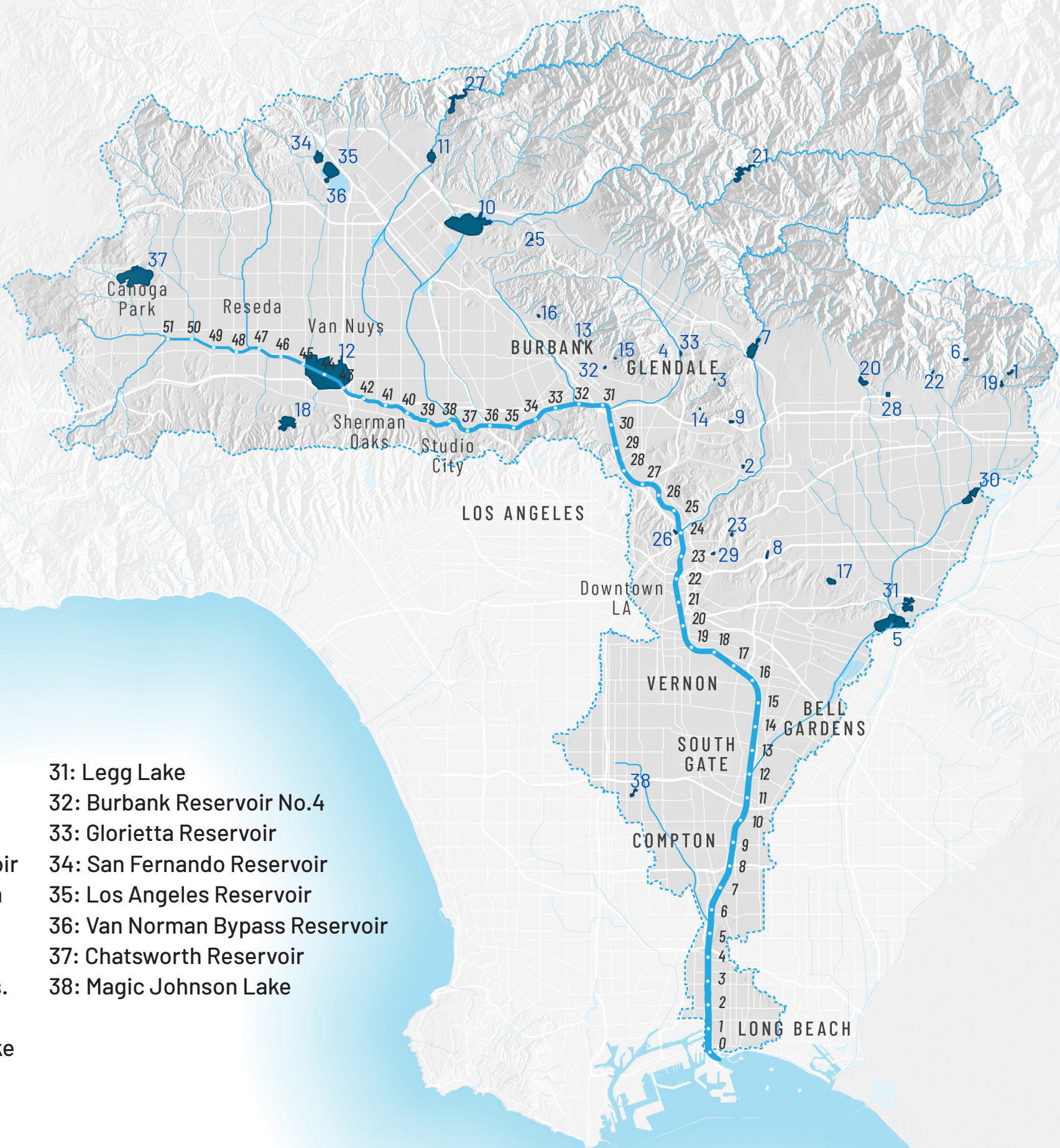
34: San Fernando Reservoir

35: Los Angeles Reservoir

36: Van Norman Bypass Reservoir

37: Chatsworth Reservoir

38: Magic Johnson Lake



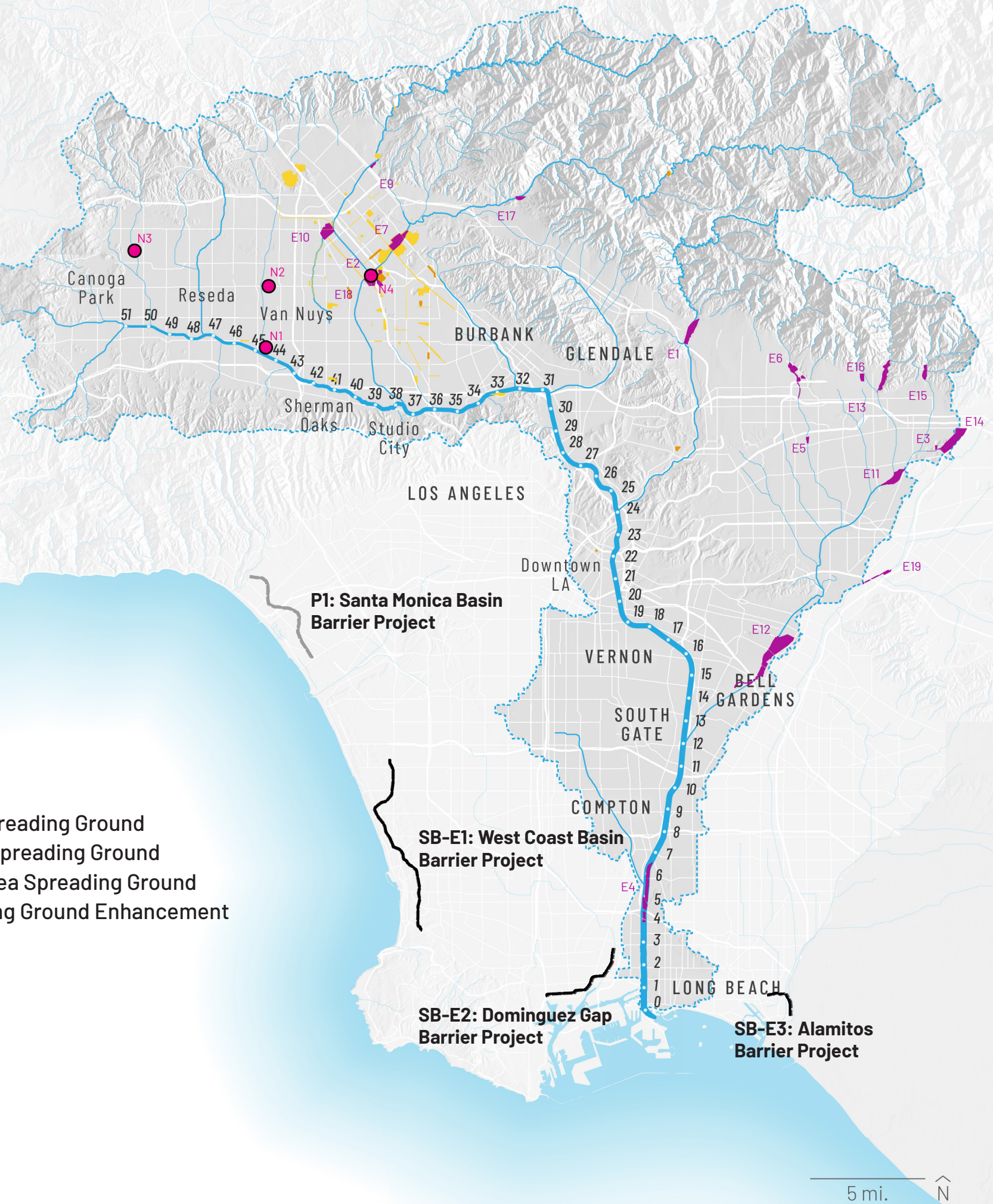
WATER RESOURCES

EXISTING AND PROPOSED
SPREADING GROUNDS AND
INJECTION WELLS

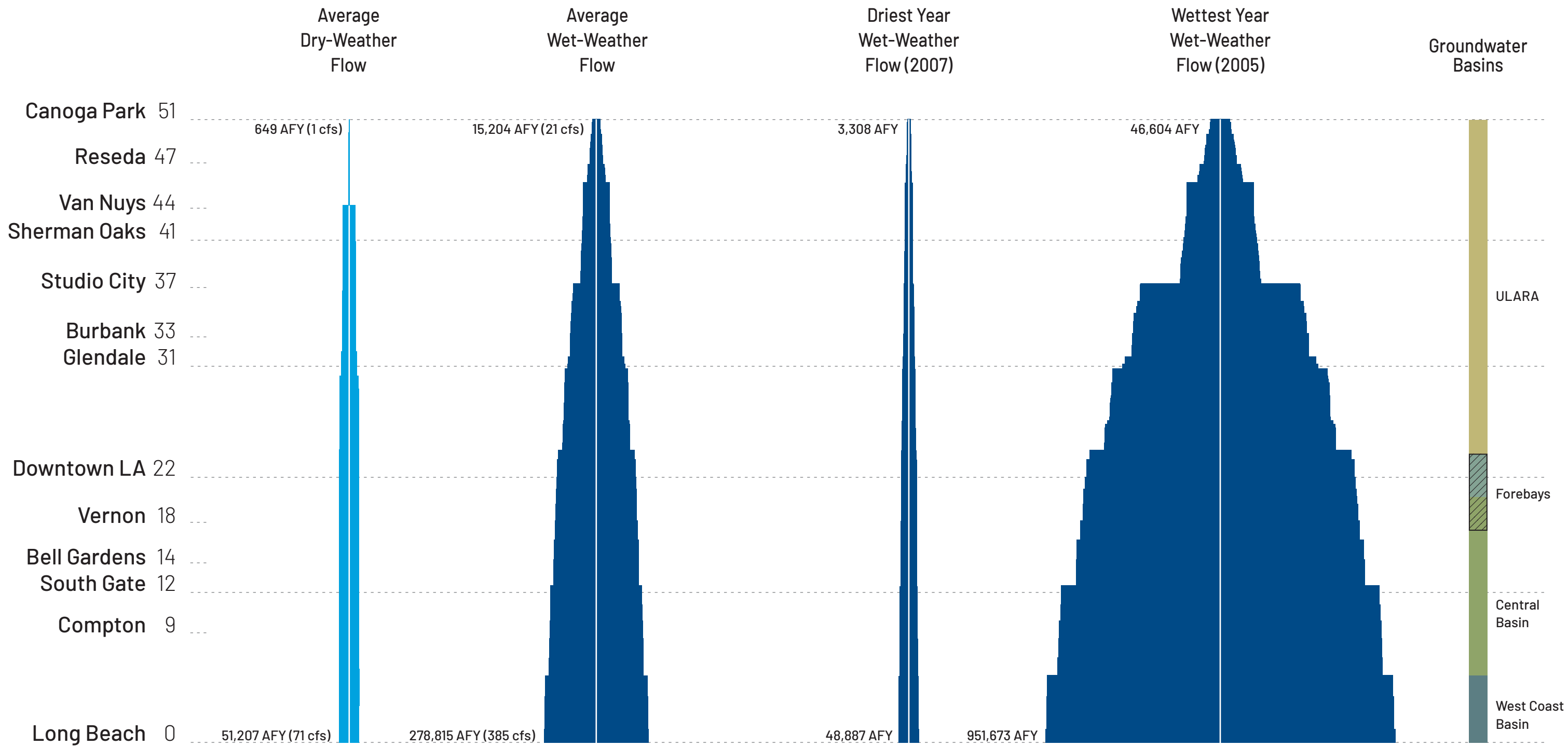
- Proposed Spreading Ground
- Existing Spreading Ground Facility
- LADWP Watershed Management
- Planned/In-development
- Existing
- Existing Seawater Barrier Injection Wells
- Proposed Seawater Barrier Injection Wells

- | | | |
|------------------------|--|--|
| E1: Arroyo Seco S.G. | E12: Rio Hondo Coastal Basin S.G. | N1: Spulveda Dam Spreading Ground |
| E2: Branford S.B. | E13: Santa Anita S.G. | N2: Bull Creek Area Spreading Ground |
| E3: Buena Vista S.B. | E14: Santa Fe Reservoir S.G. | N3: Browns Creek Area Spreading Ground |
| E4: Dominguez Gap S.G. | E15: Sawpit S.G. | N4: Tujunga Spreading Ground Enhancement |
| E5: Eaton S.B. | E16: Sierra Madre S.G. | |
| E6: Eaton S.G. | E17: Tujunga Gallery S.G. | |
| E7: Hansen S.G. | E18: Tujunga S.G. | |
| E9: Lopez S.G. | E19: Whittier Narrows W.C. Diversion Canal | |
| E10: Pacoima S.G. | | |
| E11: Peck Road S.B. | | |

Source: LA County GIS Portal, LADWP SCMP, LA Basin Study (2016), <https://www.usbr.gov/lc/socal/basinstudies/LABasin.html>



LA RIVER FLOWS

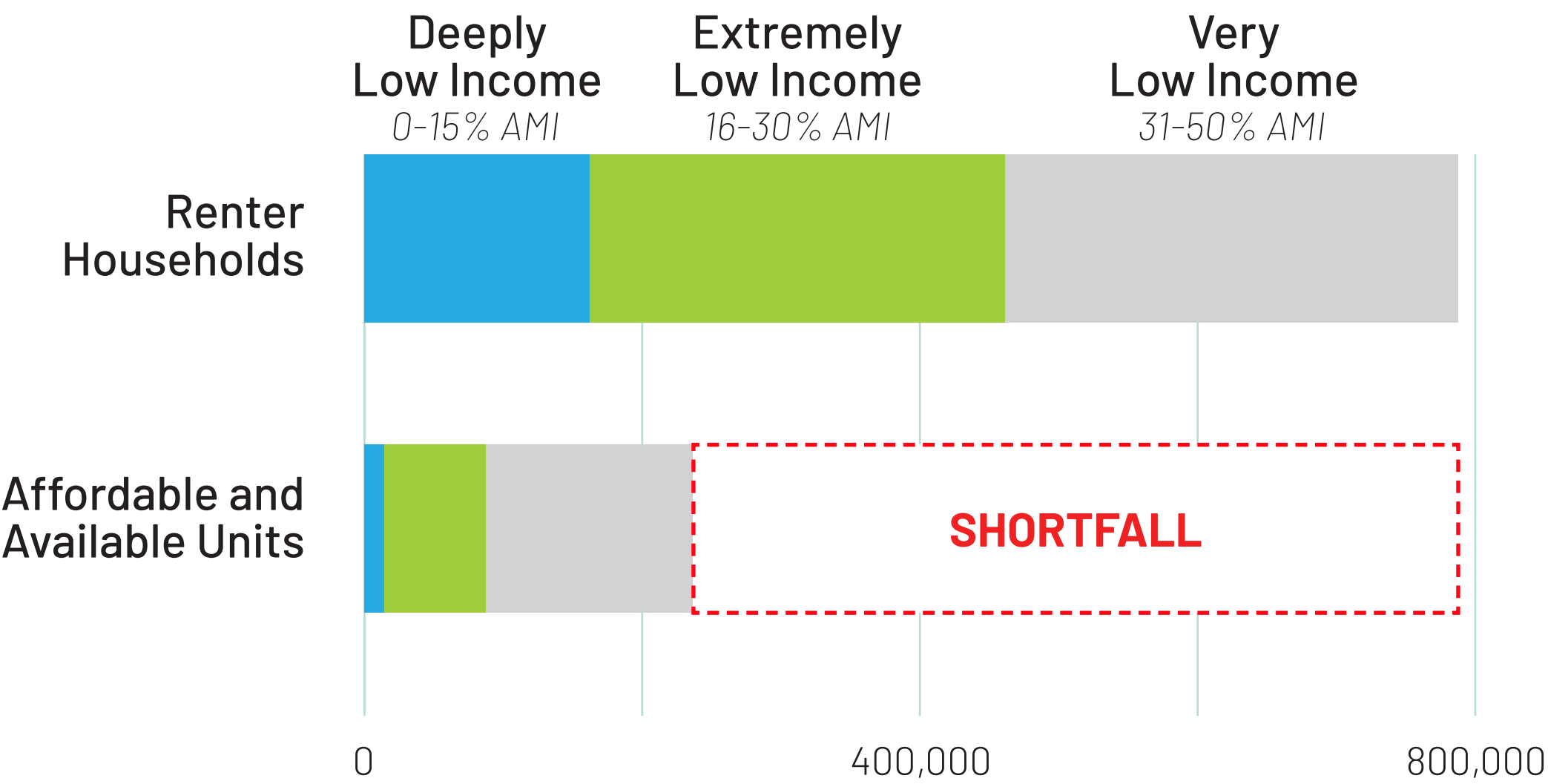


An aerial photograph of a city, likely Los Angeles, showing a multi-lane highway with traffic, a river or canal, and residential areas. In the background, there are mountains under a clear sky. The image has a blue tint.

PEOPLE EXPERIENCING HOMELESSNESS

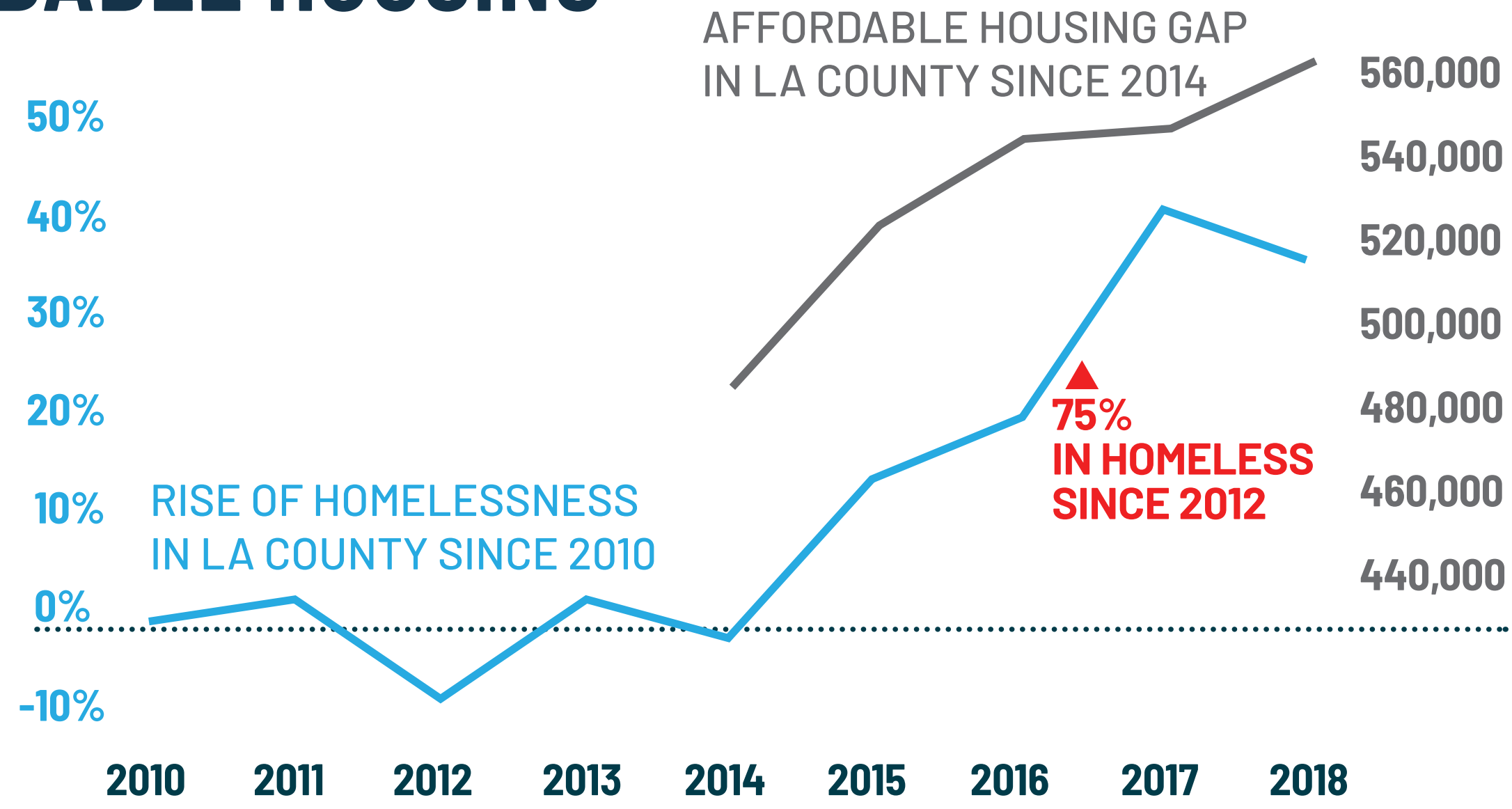
Source: OLIN

LA COUNTY NEEDS TO ADD MORE THAN 560,000 AFFORDABLE HOMES TO MEET CURRENT DEMAND



Los Angeles-Long Beach-Glendale, CA HUD Metro Fair Market Rent Area, Median Family Income \$69,300 (2018)
Source: FY 2018 Income Limits Documentation System, Economic and Market Analysis Division, HUD.

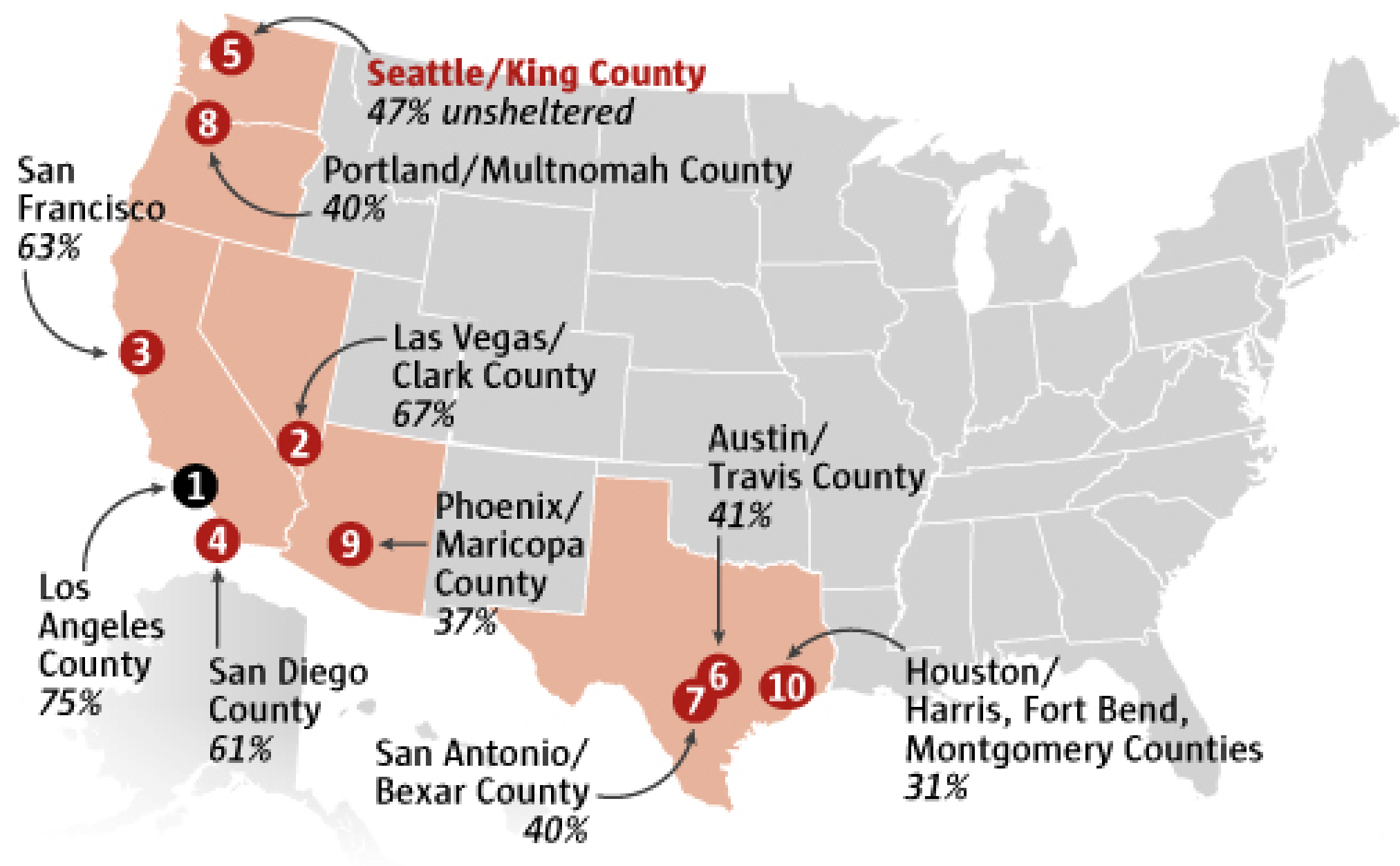
THE RISE IN HOMELESSNESS IS CORRELATED WITH A LACK OF AFFORDABLE HOUSING



Source: California Housing Partnership, LA Times 2018

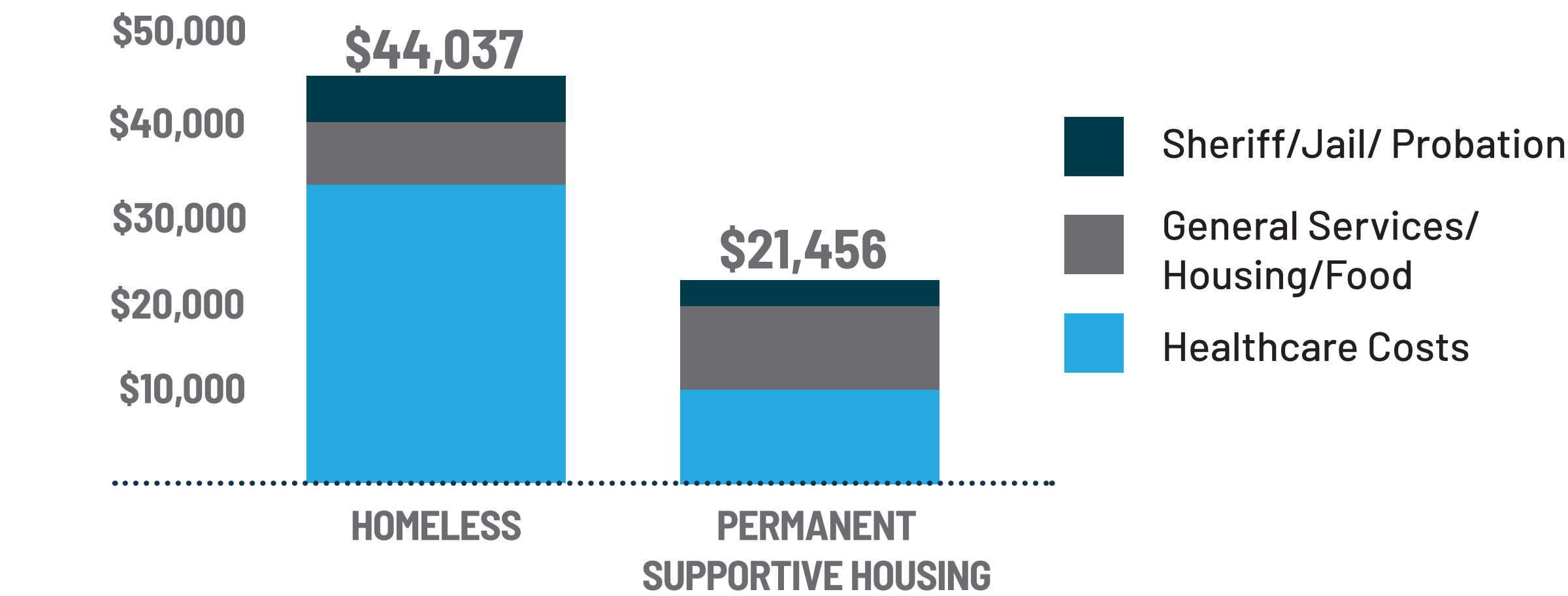
LA COUNTY HAS THE HIGHEST PERCENT OF HOMELESS SLEEPING OUTSIDE

BY PERCENT OF HOMELESS SLEEPING OUTSIDE



Source: The Seattle Times, 2018

PERMANENT SUPPORTIVE HOUSING IS LESS EXPENSIVE



Source: LA FAMILY HOUSING: <https://lafh.org/causes-solutions/>, Economic Roundtable “Where We Sleep,” 2009

LA COUNTY’S 53,195 HOMELESS REMAIN VISIBLE ON THE STREETS



75% UNSHELTERED

39,826

- : 19% Street
- : 19% in RVS/Campers
- : 14% in Makeshift Shelters
- : 8% in Tents
- : 7% in Cars
- : 7% in Vans

*Percentages based on 2017 totals



25% SHELTERED

13,369

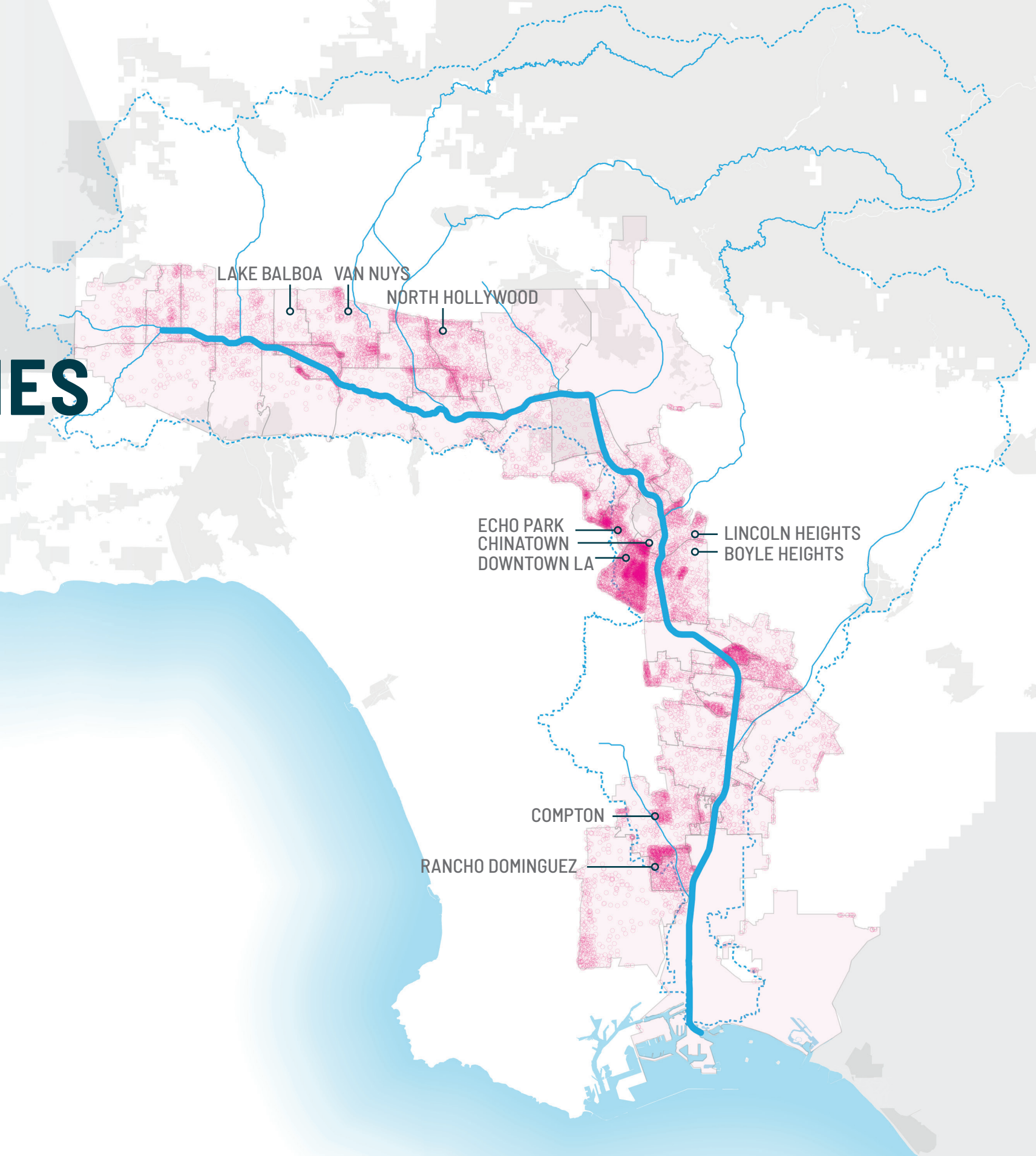
- : 17% in Emergency Shelters
- : 9% in Transitional Shelters
- : .03% in Safe Havens

*Percentages based on 2017 totals

Source: Los Angeles Homeless Services Authority- 2018 Greater Los Angeles Homeless Count Presentation

PEOPLE EXPERIENCING HOMELESSNESS

OVER 7500 HOMELESS INDIVIDUALS LIVE IN THE NEIGHBORING COMMUNITIES ALONG THE LA RIVER



PEOPLE EXPERIENCING HOMELESSNESS

LIVING ALONG THE RIVER



Source: OLIN

PEOPLE EXPERIENCING HOMELESSNESS

LIVING ALONG THE RIVER




Source: OLIN

PEOPLE EXPERIENCING HOMELESSNESS

LIVING ALONG THE RIVER

33% OF LA COUNTY'S UNSHELTERED
HOMELESS LIVE IN CAMPERS, VANS & CARS





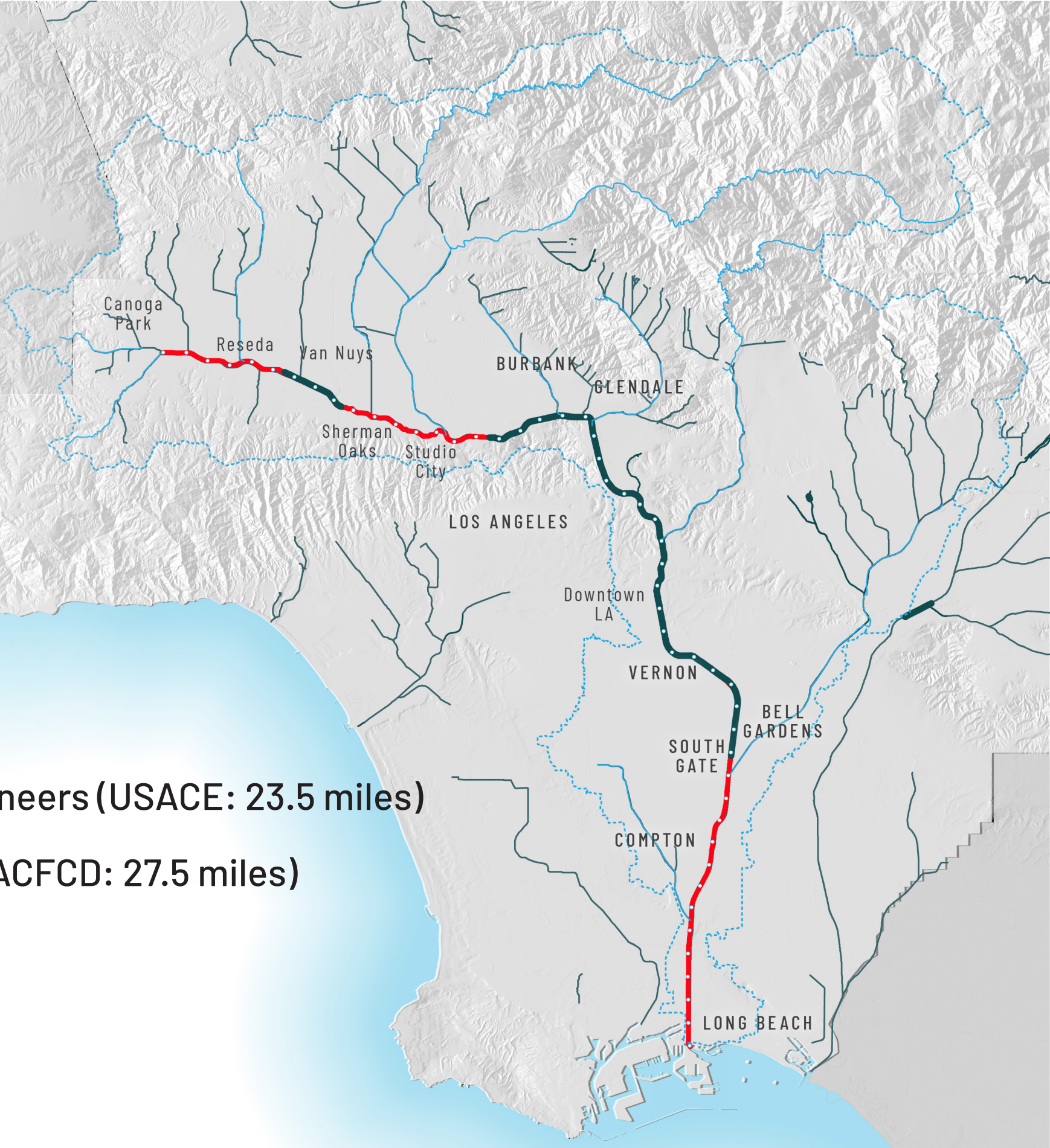
OPERATIONS & MAINTENANCE

Source: Flickr User USACE Los Angeles District, Corps installs protective barrier along LA River in preparation for El Nino, 2016

MAJOR MAINTENANCE
RESPONSIBILITIES ARE
SPLIT BETWEEN LACFCD
AND USACE

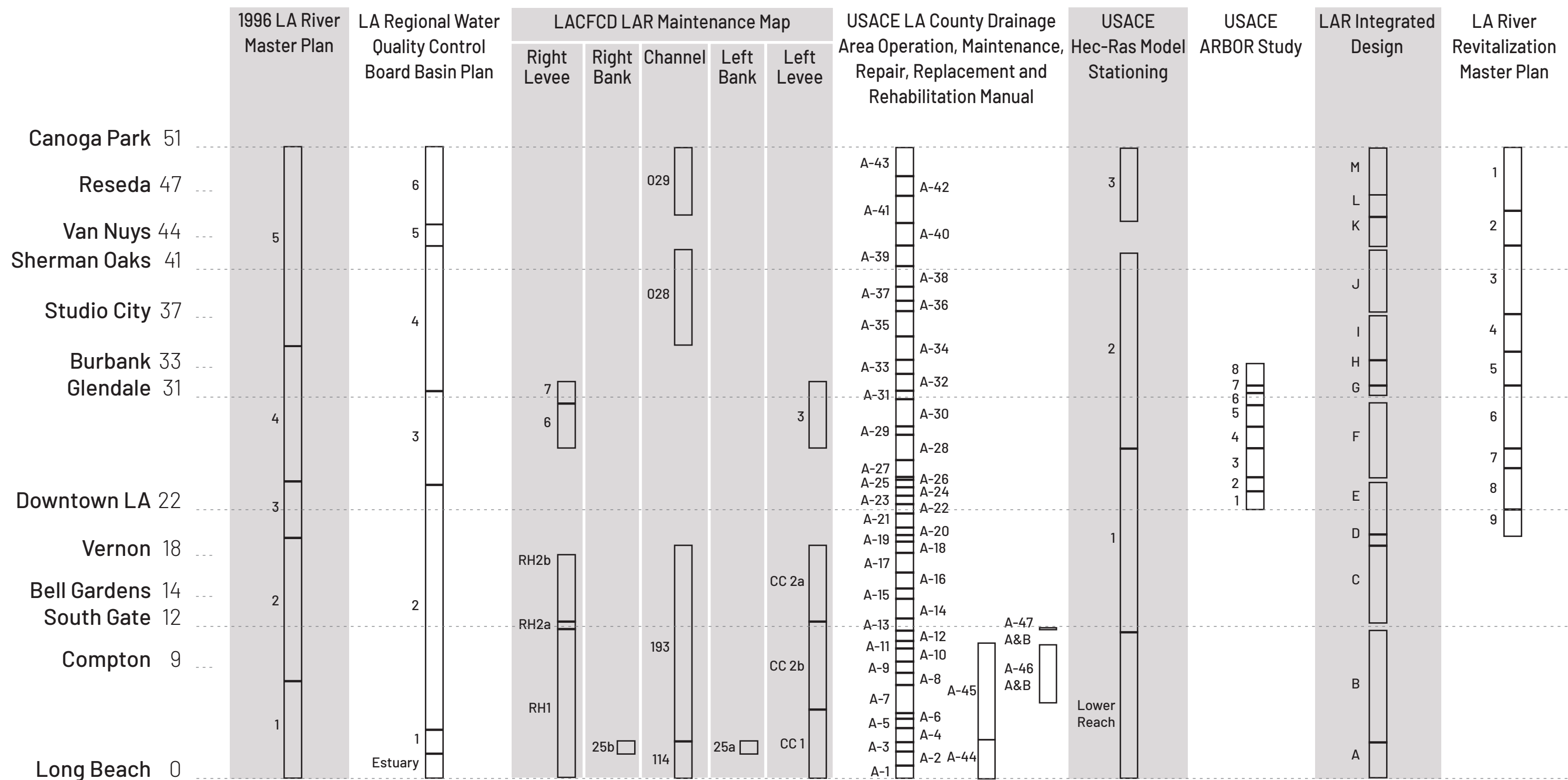
Agency:

- Los Angeles District, U.S. Army Corps of Engineers (USACE: 23.5 miles)
- Los Angeles County Flood Control District (LACFCD: 27.5 miles)



Source: Los Angeles County Department of Public Works, GIS Maintenance Map, 2016

O&M REACH DEFINITIONS ALONG THE LA RIVER



OPERATIONS & MAINTENANCE

1. Bank to Bank

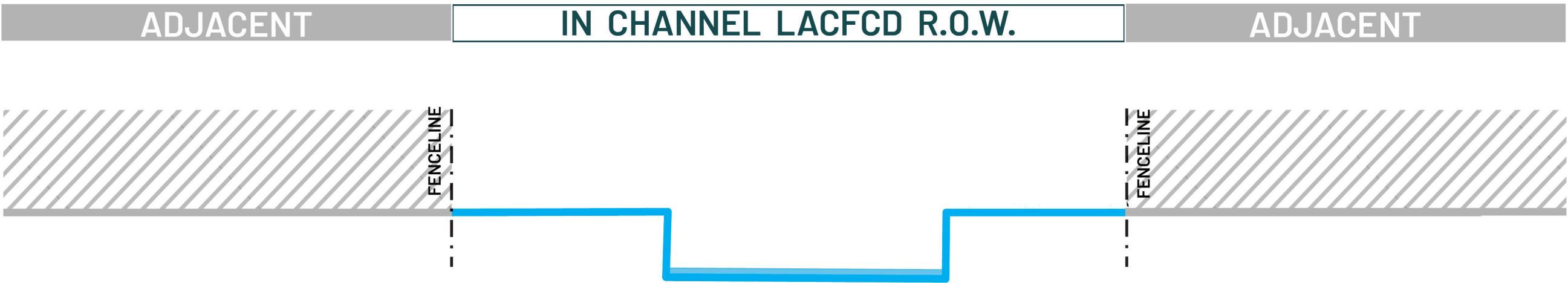
2. Top of Levee

3. Landside

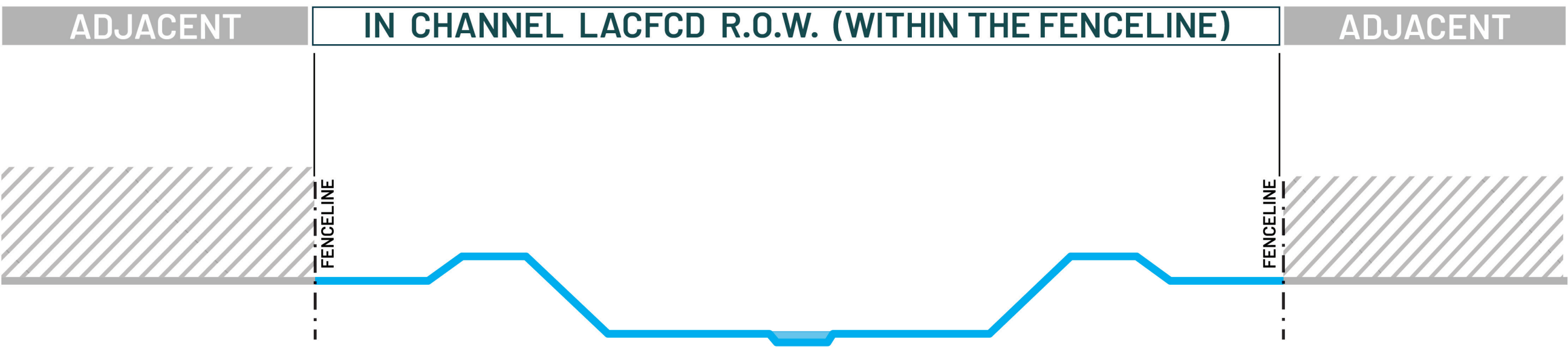
4. Outside the Fenceline

TWO TYPES OF CHANNEL STRUCTURE

Rectangular Box Channel:



Trapezoidal Channel:

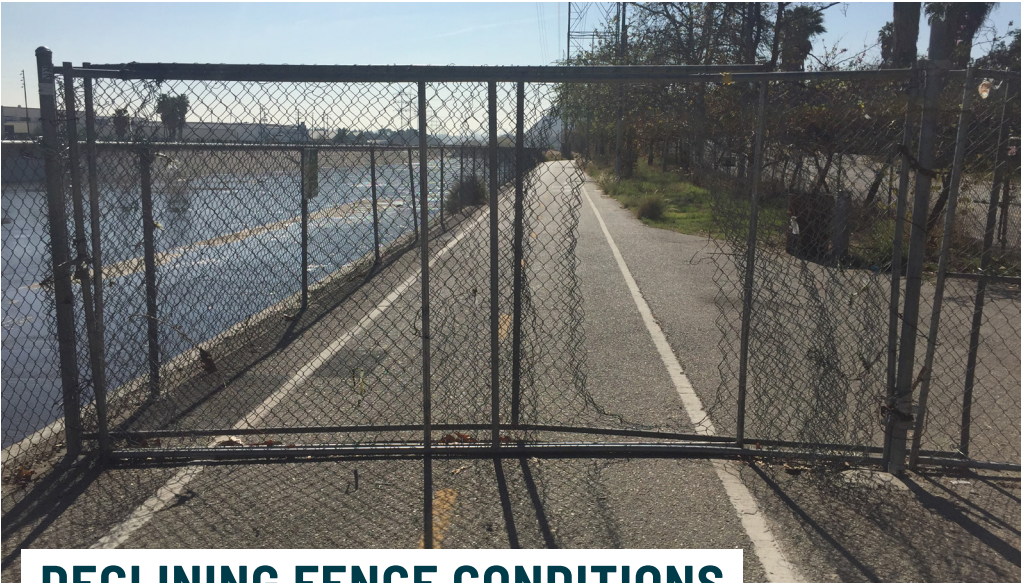


GREATEST CHALLENGES



GRAFFITI

Source:OLIN



DECLINING FENCE CONDITIONS

Source: Marcus Yam, Los Angeles Times, Vector Control Searching for Invasive Mosquitoes in Silverlake; 2016; <http://www.latimes.com>



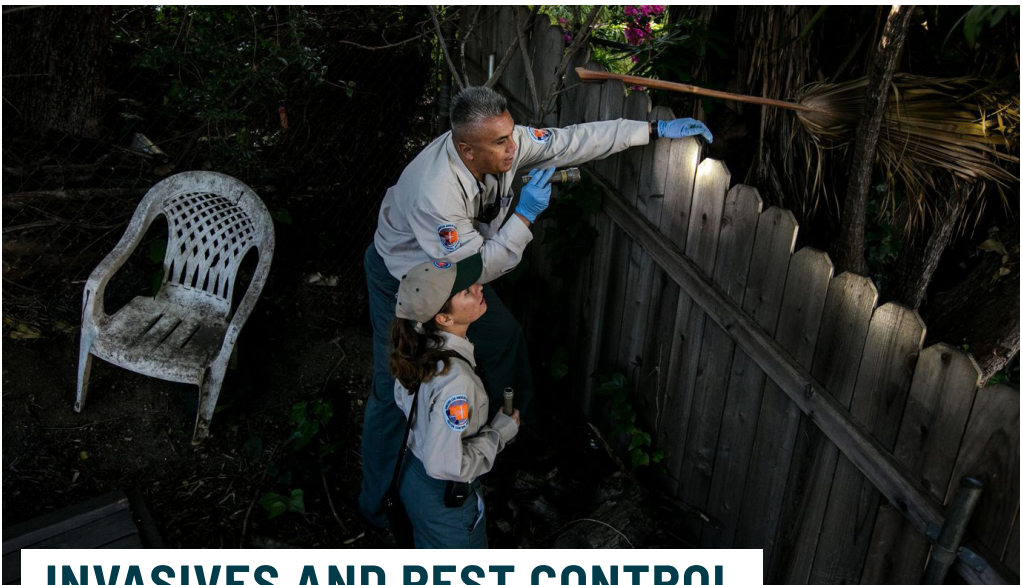
TRASH AND DEBRIS

Source: LA County Flood Control District



TRASH IN THE RIVER

Source: LA District USACE, 2014, <https://www.flickr.com/photos/losangelesdistrict/1405688882>



INVASIVES AND PEST CONTROL

Source: Flickr, <https://www.flickr.com/groups/losangelesgraffiti/> & https://commons.wikimedia.org/wiki/Category:Los_Angeles_River, Accessed 05/08/18



SOFT BOTTOM CLEARING

Source: Flickr User USACE Los Angeles District, El Nino 2016: Corps begins LA River vegetation removal, 2016

OTHER ENTITIES INVOLVED

PRIMARY AGENCIES

Los Angeles County Flood Control District (LACFCD)
Los Angeles District, U.S. Army Corps of Engineers (USACE)

STATE CONSERVANCIES/AGENCIES

Santa Monica Mountains Conservancy (SMMC)
San Gabriel and Lower Los Angeles Rivers
and Mountain Conservancy (RMC)
The California Department of Parks and Recreation

JOINT POWERS AUTHORITIES

Mountains and Recreation and Conservation Authority (MRCA)
Watershed Conservation Authority
Los Angeles Homeless Service Authority

COUNTY AGENCIES

Los Angeles County Parks and Recreation
Los Angeles County Fire Department
Los Angeles County Department of Public Works
Los Angeles County Sheriff’s Departments

CITY AGENCIES

Municipal Parks and Recreation Deparment
Municipal Police Department
Municipal Fire Department
Municipal Deparment of Public Works
Municipal Department of Transportation
Municipal Department of Power and Water

NON-GOVERNMENTAL ORGANIZATIONS

Los Angeles Conservation Corps
Long Beach Conservation Corps
Friends of the Los Angeles River (FoLAR)
Tree People
Friends of Atwater Village (FAV)
Heal the Bay

CHANNEL ASSESSMENT PROCESS

CHANNEL GEOMETRY



CHANNEL BOTTOM



CHANNEL SURFACE



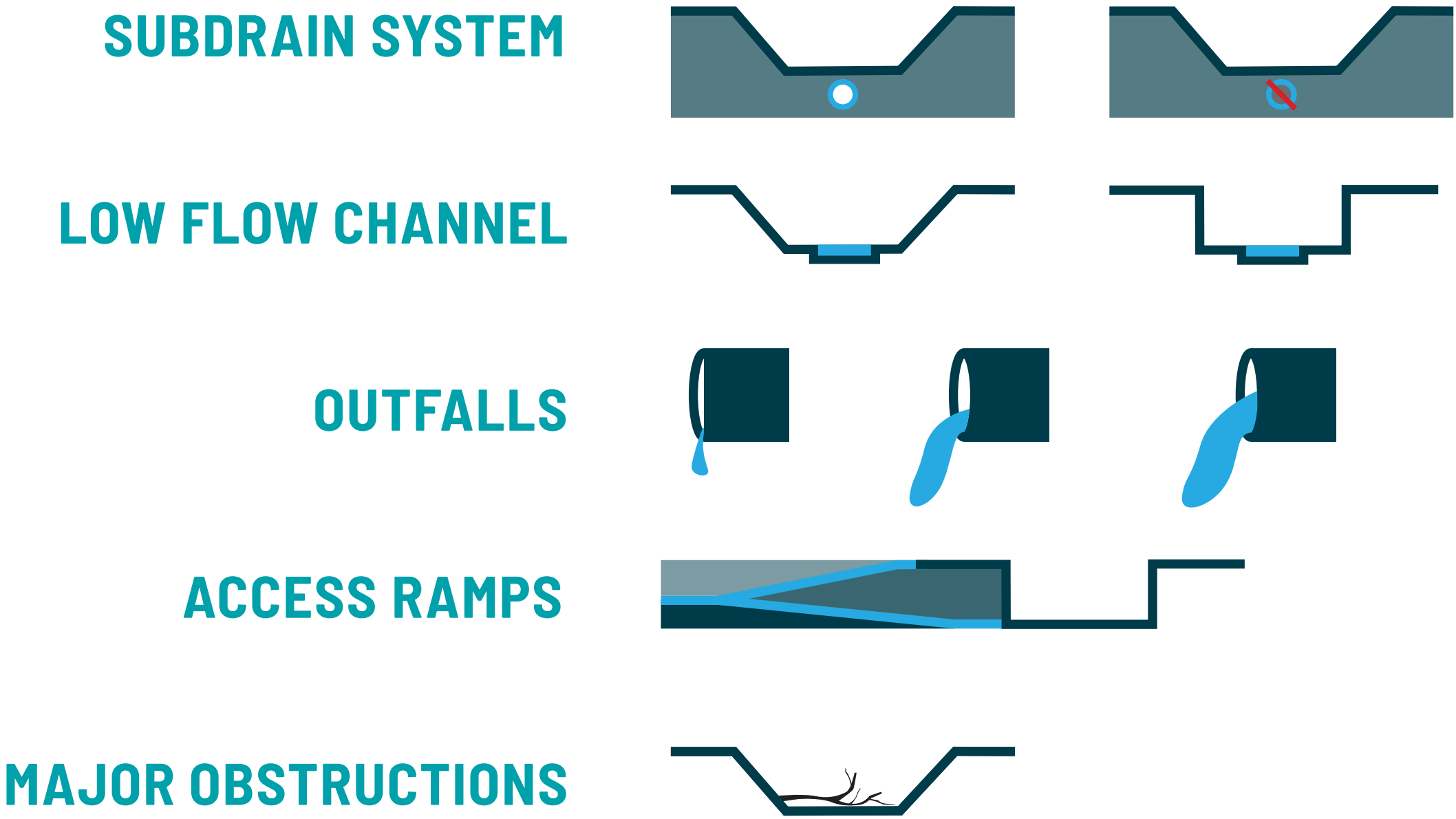
VEGETATION



WEEP HOLES



CHANNEL ASSESSMENT PROCESS



Q & A AND DISCUSSION

Source: USCAE, Los Angeles District, EHyperionAve1928, <http://cespl.maps.arcgis.com/apps/MapSeries/index.html?appid=e15694dbf7c54f8c96285a0e74039e69>



PUBLIC COMMENT

Source: Jeff Houze, *Playing in Sepulveda Basin*, 2014; from Project 51, *Play the LA River*

PUBLIC COMMENT OPTIONS

- **Verbal comments**
 - Speakers to be called in order of speaker cards submitted
 - Up to 15 minutes total for the Public Comment item
 - Total time per person will depend on number of speaker cards received
- **Comment cards**
- **Email comments to LARiver@dpw.lacounty.gov**

WRAP UP

Source: Barron Bixler, View under the Olympic Street Bridge, 2014; from Project 51, Play the LA River

Upcoming Steering Committee and Subcommittee Meetings

- Subcommittee Meetings #3 – October 3, 2018
- Steering Committee Meeting #4 – December 12, 2018
- Subcommittee Meetings #4 – December 17, 2018

Upcoming Outreach Events

- Community Meeting #3 (Long Beach) – October 24, 2018
- AB466 Upper LA River and Tributaries Working Group Report Out, October 25, 2018
- Youth Summit (LA Trade Tech) – November 1, 2018
- Gateway Cities Council of Governments, November 7, 2018
- Community Meeting #4 (Elysian Valley) – November 2018
- Community Meeting #5 (Studio City) – December 2018



OLIN

Gehry Partners, LLP



K E A R N S ⚡ W E S T



Mercury.