

# LOS ANGELES RIVER

## MASTER PLAN UPDATE

Steering Committee Meeting #4



12 December 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>



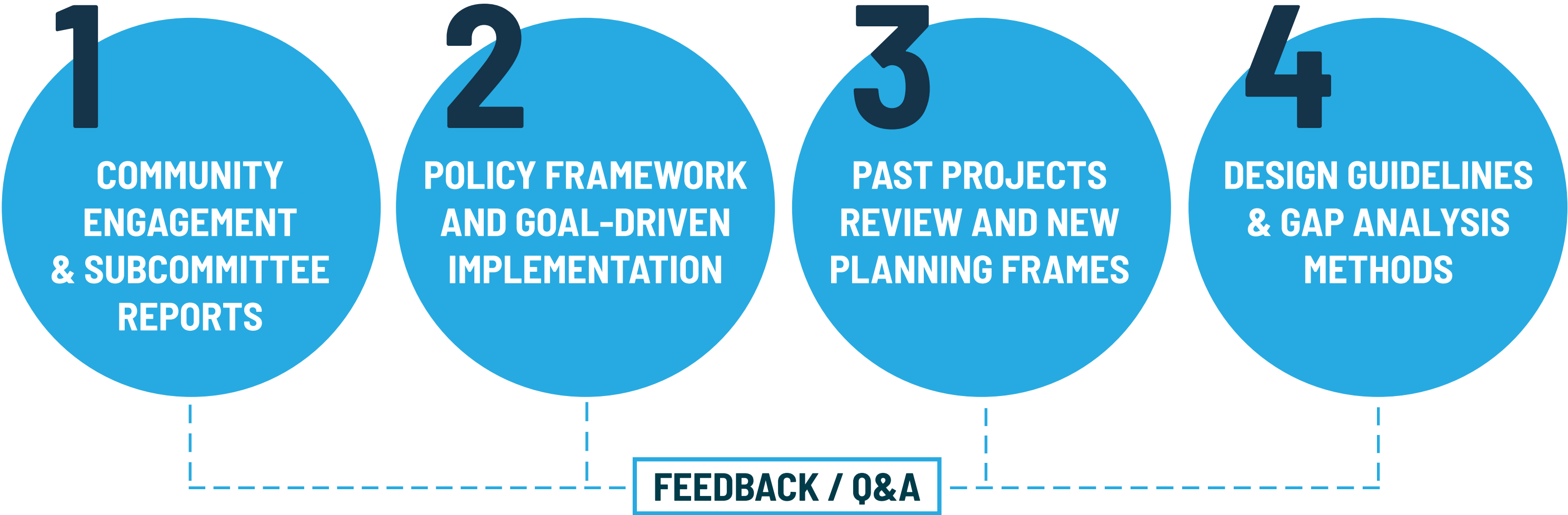
The background image is a historical aerial photograph of the Los Angeles area, showing a patchwork of agricultural fields and the winding Los Angeles River. The image is overlaid with a semi-transparent blue filter. The text is centered in a large, bold, white sans-serif font.

# 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 PURPOSE	COMMUNITY ENGAGEMENT UPDATE	SUBCOMMITTEE MEETINGS REPORT	GOAL-DRIVEN FRAMEWORK	PLANNING FRAMES	DESIGN GUIDELINES	GEOGRAPHIC GAP ANALYSIS	PUBLIC COMMENT	WRAP UP
<ul style="list-style-type: none"><li>• River story</li><li>• Welcome</li><li>• Roundtable Introductions</li><li>• Agenda and Objectives Overview</li><li>• Steering Committee Updates</li></ul>	<ul style="list-style-type: none"><li>• Other Meetings</li><li>• Snapshot of Input from Long Beach and Friendship Auditorium Community Meetings</li><li>• Youth Summit Report</li><li>• Discussion/ Q&amp;A</li></ul>	<ul style="list-style-type: none"><li>• Agenda Focus and Attendance</li><li>• Setting Vision</li><li>• Top Ideas for Action Under Each Goal</li><li>• Inventory and Analysis Discussion Themes</li><li>• Discussion/ Q&amp;A</li></ul>	<ul style="list-style-type: none"><li>• Comparison of Plan Structures</li><li>• Comparison of Plan Goals</li><li>• Example Goal, Actions, and Methods from the 2020 Plan.</li><li>• Discussion/ Q&amp;A</li></ul>	<ul style="list-style-type: none"><li>• 1996 Plan Reaches and Projects Completed</li><li>• Proposed Planning Frames for 2020 Plan</li><li>• Process of Determining Frames</li><li>• Discussion/ Q&amp;A</li></ul>	<ul style="list-style-type: none"><li>• Landscape and Planting Design Guidelines</li><li>• Sign Guidelines</li><li>• Other Topics Considered</li><li>• Discussion/ Q&amp;A</li></ul>	<ul style="list-style-type: none"><li>• Review Existing Projects</li><li>• Locating Projects by Needs and Opportunities</li><li>• Project Cadence</li><li>• Gap Analysis Method</li><li>• Discussion/ Q&amp;A</li></ul>	<ul style="list-style-type: none"><li>• Verbal Comments</li><li>• Comment Cards</li><li>• Email Comments Anytime to <a href="mailto:LARiver@dpw.lacounty.gov">LARiver@dpw.lacounty.gov</a></li></ul>	<ul style="list-style-type: none"><li>• Important Upcoming Dates</li><li>• April Agenda Overview</li><li>• Community Outreach Activities</li></ul>

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

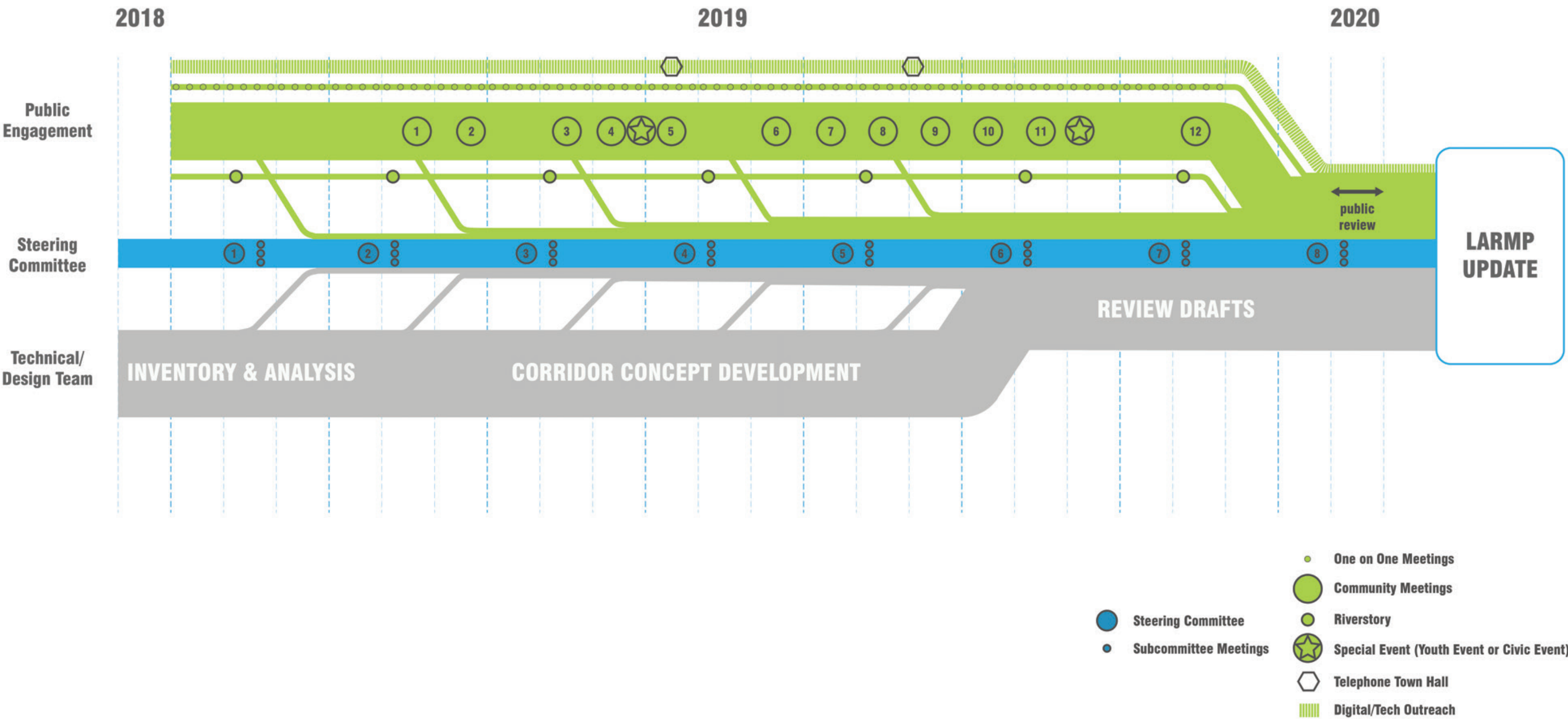


The background image shows a baseball field that has been completely flooded. The water is murky and reflects the sky and the surrounding environment. In the background, several tall stadium light towers are visible against a clear blue sky. There are trees and some buildings in the distance. The overall scene is a mix of natural and man-made elements, with the floodwater being the central focus.

# STEERING COMMITTEE UPDATES



# LA RIVER MASTER PLAN SCHEDULE



# STEERING COMMITTEE FRAMEWORK

	2018				2019			
	1	2	3	4	5	6	7	8
Key Theme & Tentative Date	LAUNCH 11 APRIL 2018	INVENTORY & VISION PRINCIPLES 27 JUNE 2018	GOALS & ANALYSIS 26 SEPTEMBER 2018	GAPS & PLANNING 12 DECEMBER 2018	PRIORITIES & OPPORTUNITIES 10 APRIL 2019	DESIGNS & PLANS 26 JUNE 2019	PLANS & STANDARDS 25 SEPTEMBER 2019	DRAFT REVIEW 11 DECEMBER 2019
Dialogue Focus	Vision Brainstorming  Project Schedule and Scope  Committee Organization  Draft Community Outreach Plan, Branding Strategy, and Website  Flood Control History, Plan Priorities, Channel Strategies	Draft Vision Principles  Existing Conditions  Literature Review  Community Outreach Plan  Demographics, Affordable Housing, Displacement	Revised Draft Vision and Goals  Goal-Driven Planning  Jurisdictional Boundaries  Water Resources, O&M, Access and Security, Safety, Homelessness  Youth Summit	Policy Framework  Planning Reaches  Design Guidelines Review  Geographic Gap Analysis Intro	Gap Analysis and Reach Prioritization  Draft Planning Concepts  Table of Contents	Planning Concepts and Policies  Design Concepts and Design Standards  Flood Mitigation Concepts  Policies	Design Concepts and Design Standards Update	Draft of Los Angeles River Master Plan Update



# Q & A AND DISCUSSION

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



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

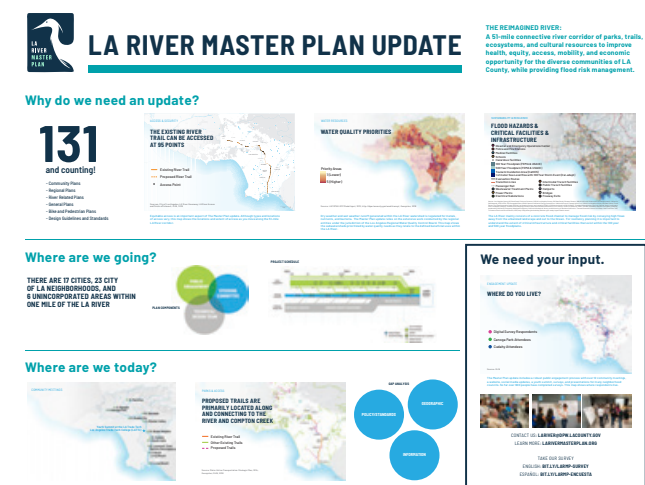
Source: USACE, Los Angeles District, E-1517 - NW of 7th St - 9-7-1927, <http://cespl.maps.arcgis.com/apps/MapSeries/index.html?appid=e15694dbf7c54f8c96285a0e74039e69>



# MEETINGS WITH OTHER ORGANIZATIONS

## COUNCIL FOR WATERSHED HEALTH SYMPOSIUM

September 27, 2018



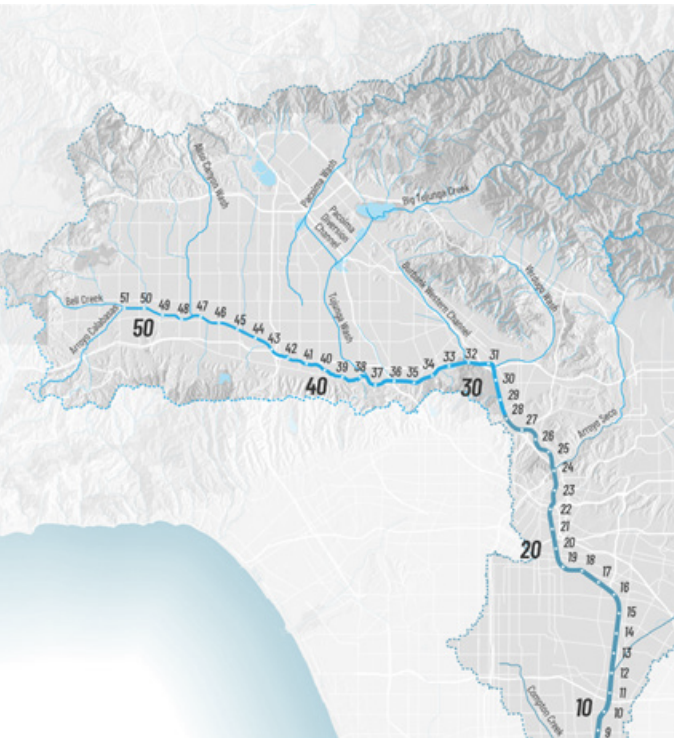
## REGIONAL WATER QUALITY CONTROL BOARD

October 1, 2018



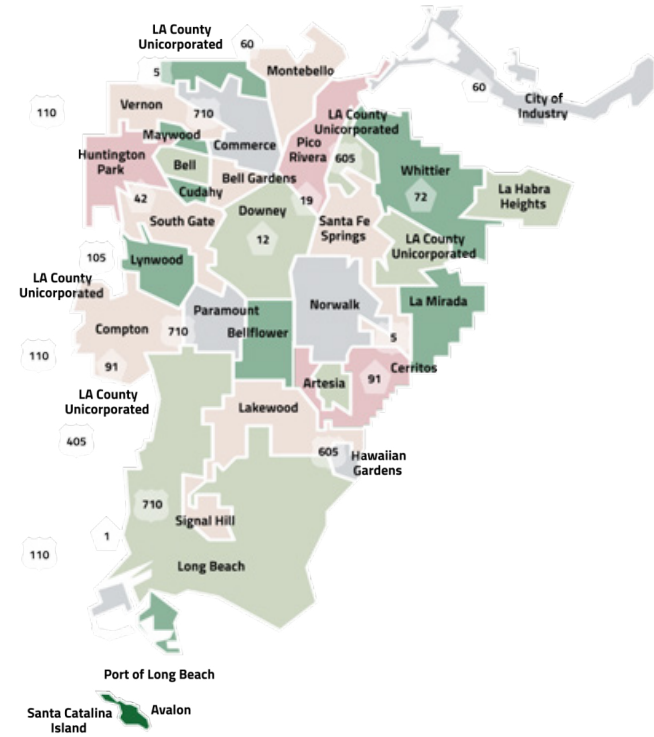
## AB466

October 25, 2018



## GATEWAY CITIES COUNCIL OF GOVERNMENTS

November 7, 2018



Source: California Waterboards, [https://www.waterboards.ca.gov/waterboards\\_map.html](https://www.waterboards.ca.gov/waterboards_map.html)

Source: Gateway Cites Council of Governments, <http://www.gatewaycog.org/who-we-are>

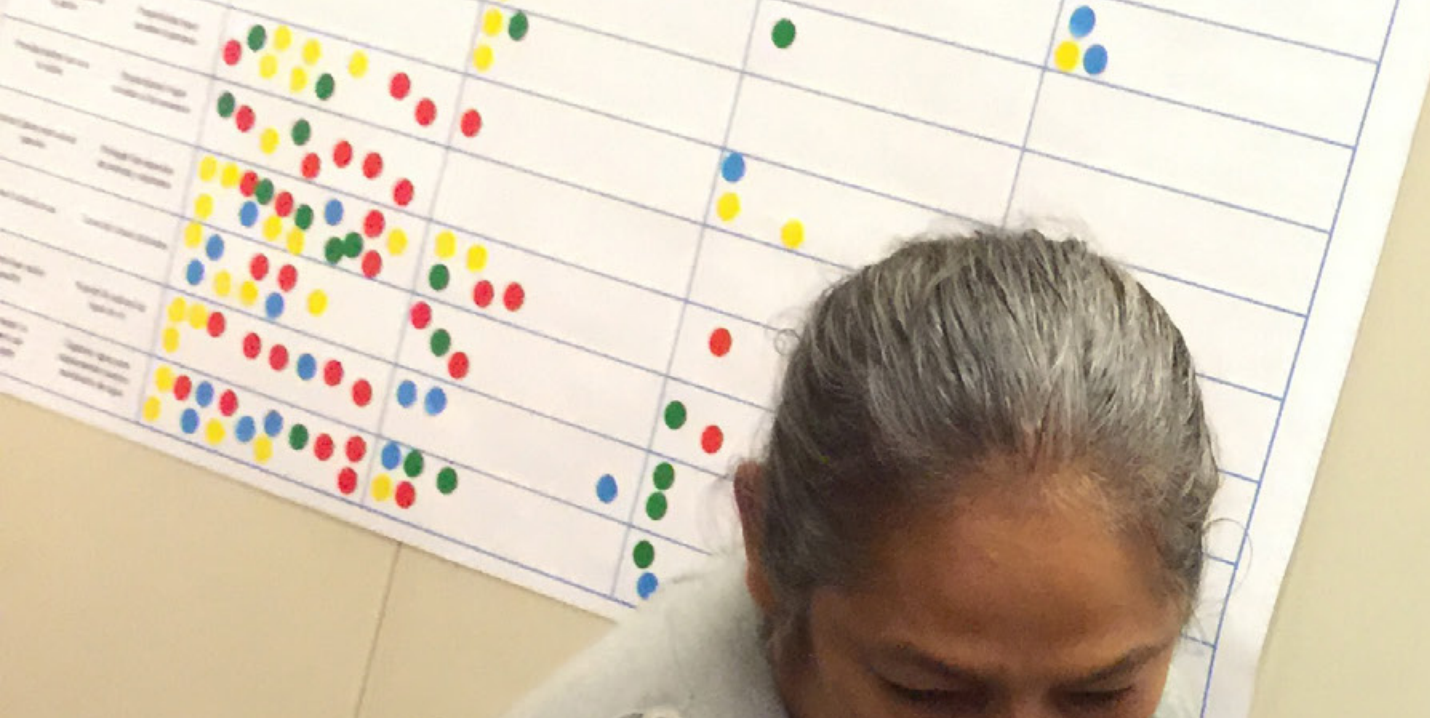


# COMMUNITY MEETING 3: LONG BEACH

OCTOBER 24, 2018









# COMMUNITY MEETING 4: FRIENDSHIP AUDITORIUM

NOVEMBER 13, 2018











# YOUTH SUMMIT

NOVEMBER 1, 2018

Source: Los Angeles County Public Works



# 800 STUDENTS IN ATTENDANCE







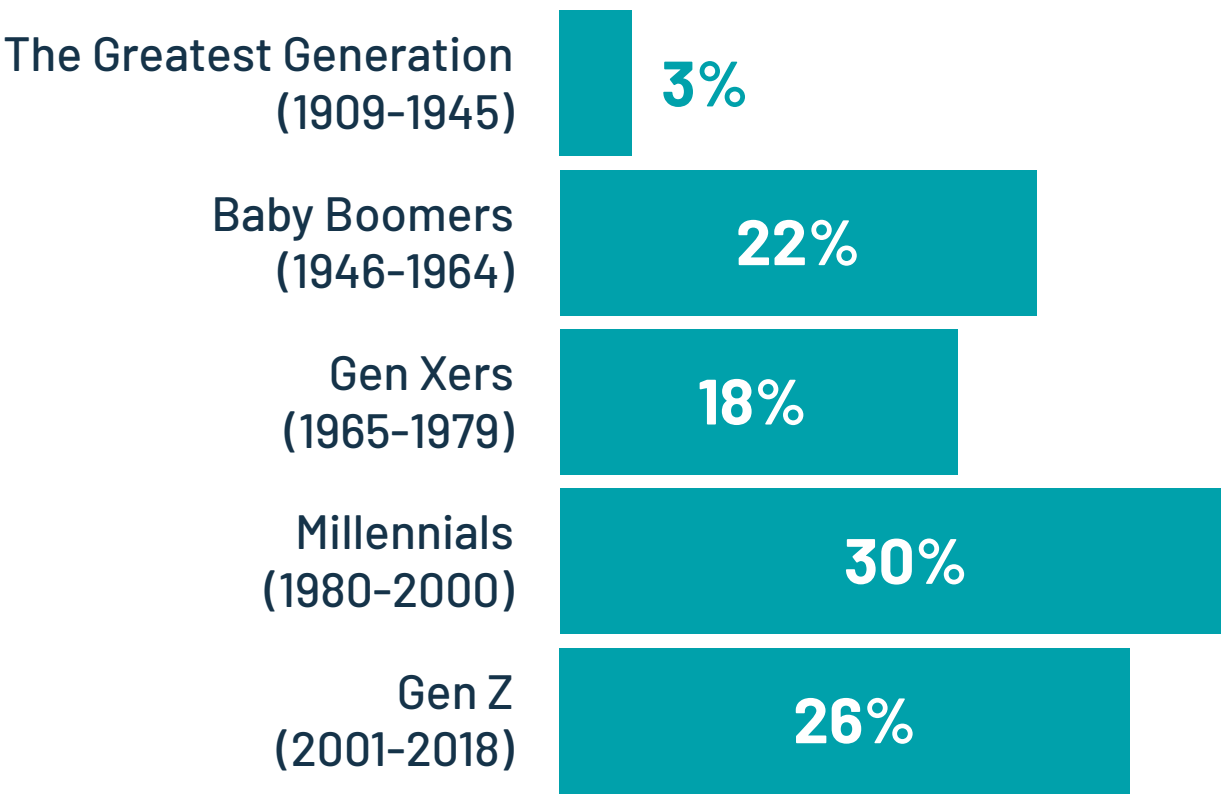
Source: OLIN



# OVER 1,450 ENGAGED IN COMMUNITY MEETINGS & SURVEY

- 167** Community members attended the Canoga Park meeting
- 126** Community members attended the Cudahy meeting
- 129** Community members attended the Long Beach meeting
- 214** Community members attended the Friendship Auditorium meeting
- 495** Completed digital and in-person surveys as of November 20, 2018
- 332** Completed youth surveys

## GENERATIONS REPRESENTED: (Total from Survey + Community Meetings + Youth Summit)

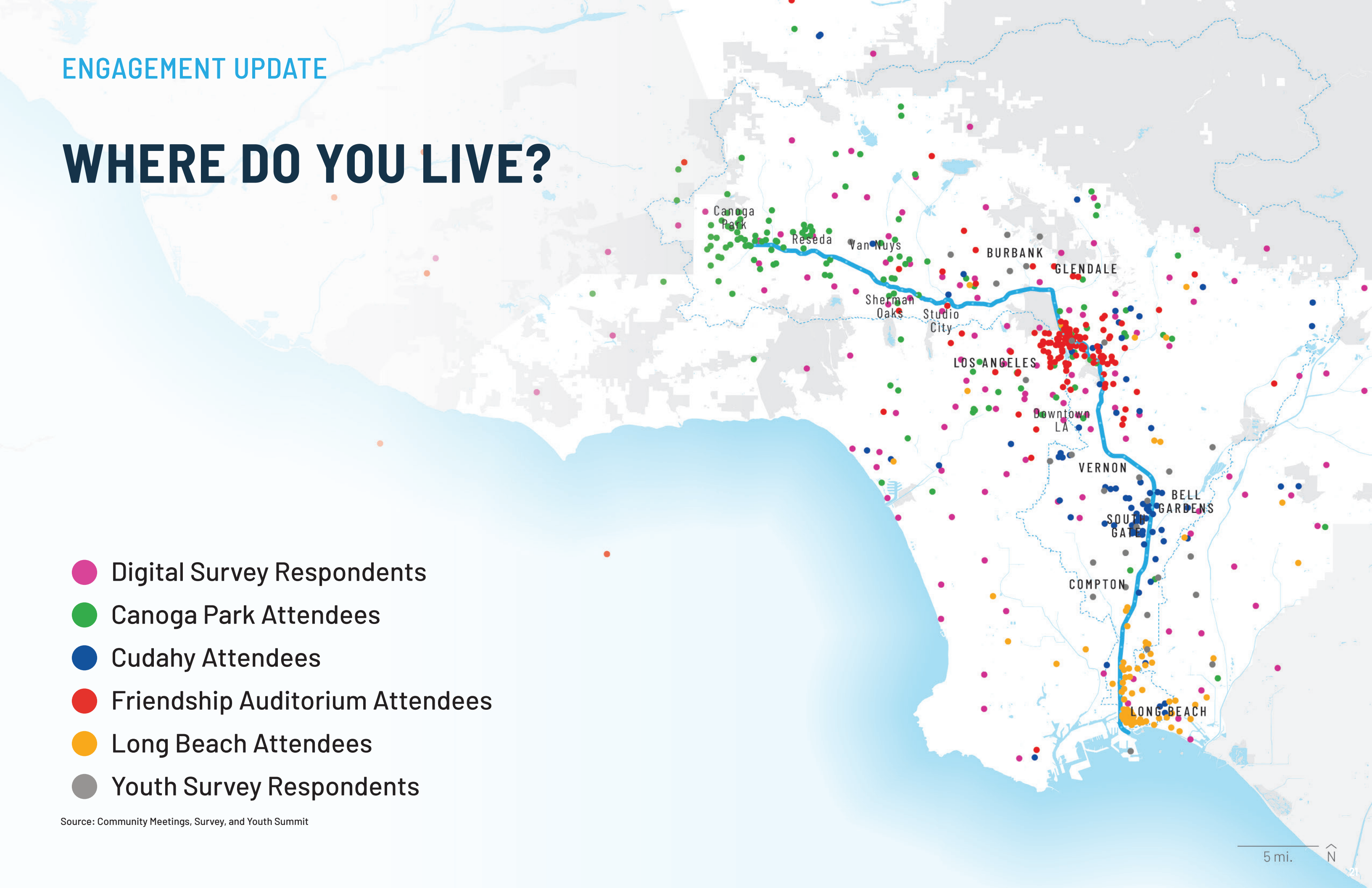




# WHERE DO YOU LIVE?

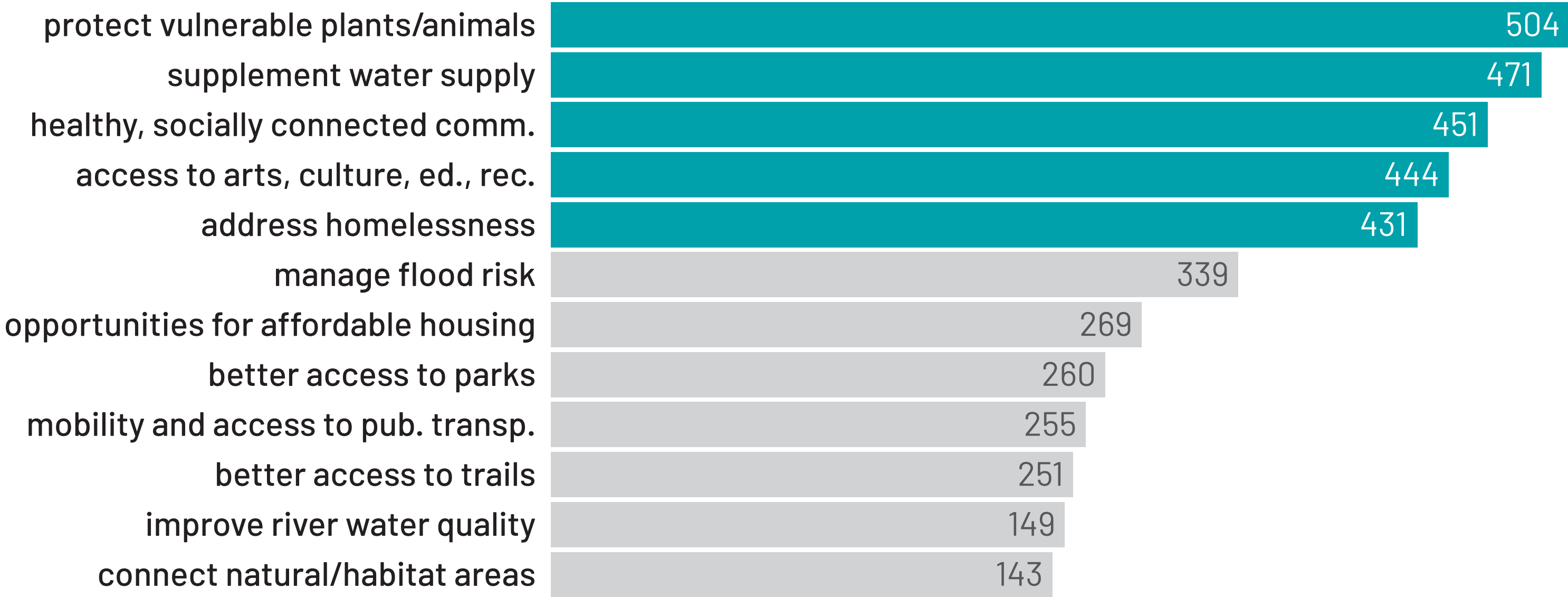
- Digital Survey Respondents
- Canoga Park Attendees
- Cudahy Attendees
- Friendship Auditorium Attendees
- Long Beach Attendees
- Youth Survey Respondents

Source: Community Meetings, Survey, and Youth Summit





# WHICH ISSUES ARE MOST IMPORTANT TO YOU?



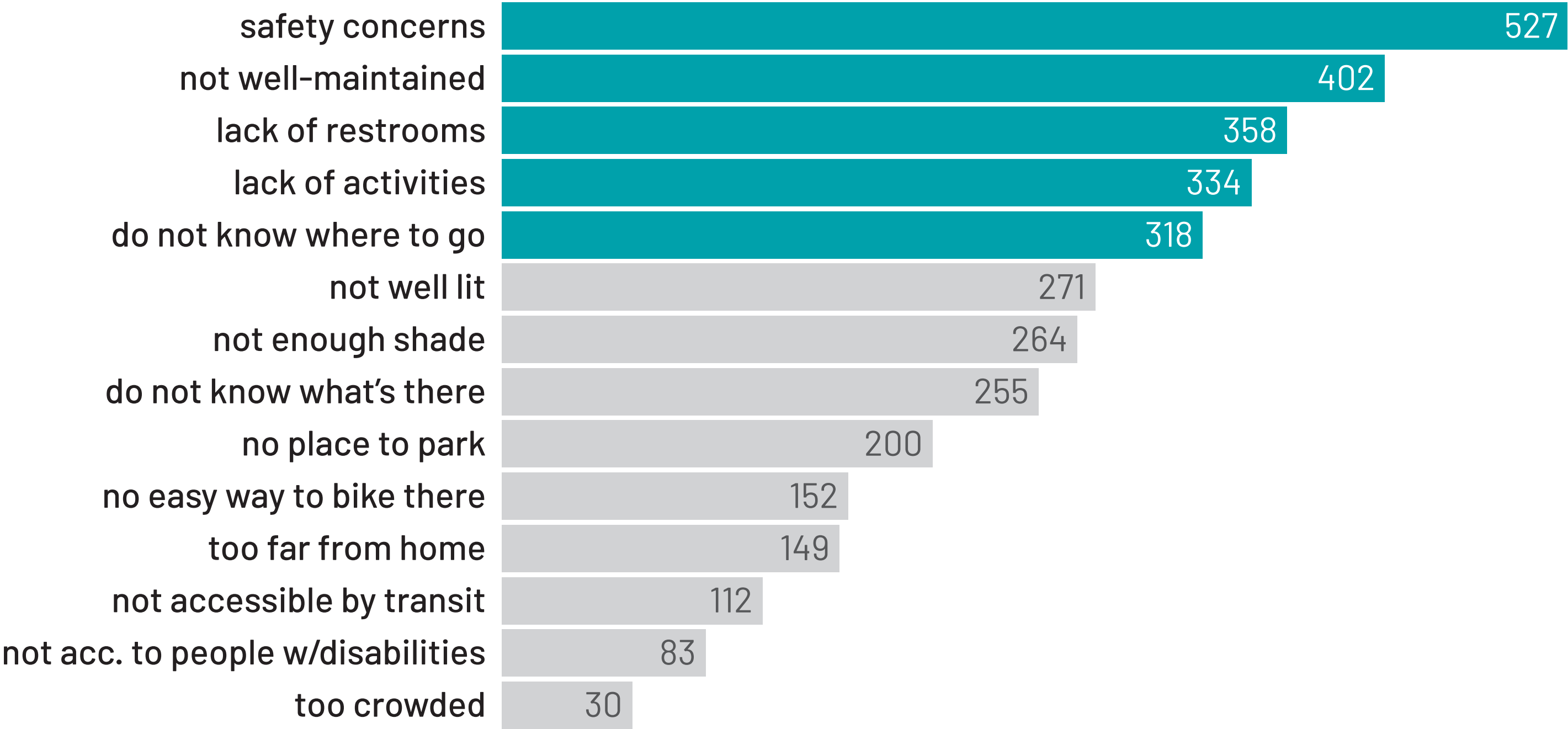
Source: Community Meetings, Survey, and Youth Summit







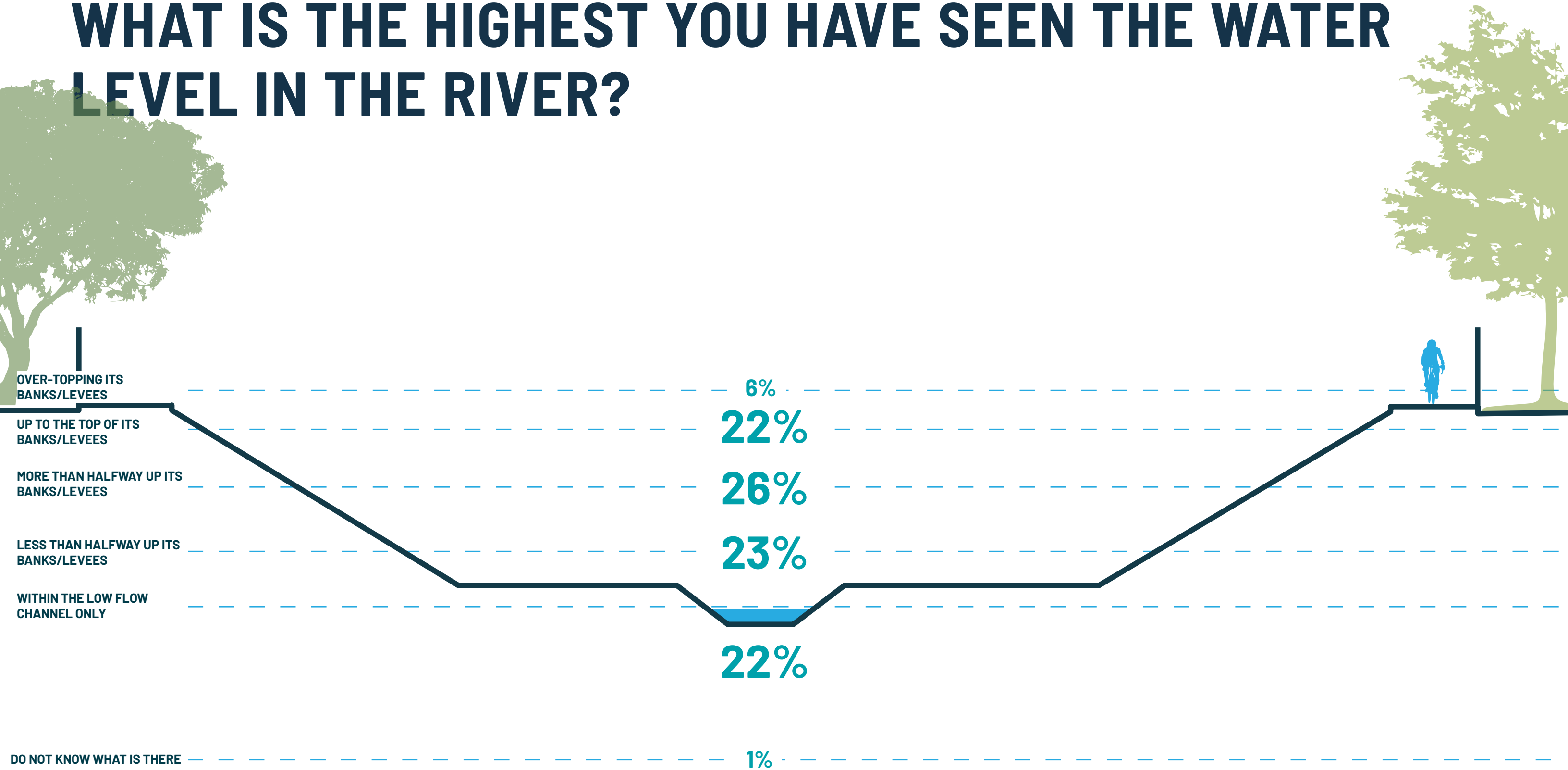
# WHAT KEEPS YOU FROM VISITING THE LA RIVER?



Source: Community Meetings, Survey, and Youth Summit



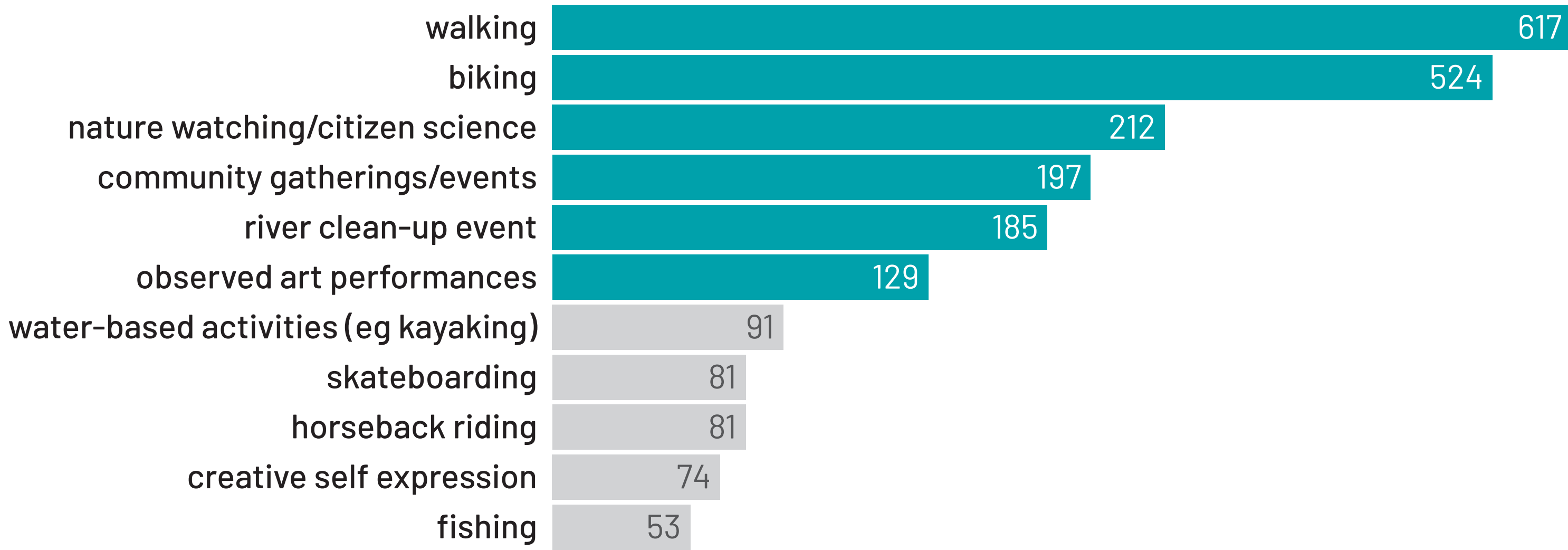
# WHAT IS THE HIGHEST YOU HAVE SEEN THE WATER LEVEL IN THE RIVER?



Source: Community Meetings, Survey, and Youth Summit



# IN WHAT ACTIVITIES HAVE YOU PARTICIPATED ALONG THE LA RIVER?



Source: Community Meetings, Survey, and Youth Summit





# LA RIVER MASTER PLAN COMMUNITY MEETING

STUDIO CITY



## JOIN US FOR A MEETING WHERE YOU'LL:

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

Date: Thursday, December 13, 2018  
Time: 6 - 8 pm  
Location: Oakwood School  
11600 W Magnolia Blvd,  
North Hollywood, CA 91601

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

For information, visit [LARiverMasterPlan.Org](http://LARiverMasterPlan.Org) for email updates and event recaps.

[CommunityMeeting.LARiverMasterplan.org](http://CommunityMeeting.LARiverMasterplan.org)



# Q & A AND DISCUSSION

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





# SUBCOMMITTEE MEETINGS REPORT

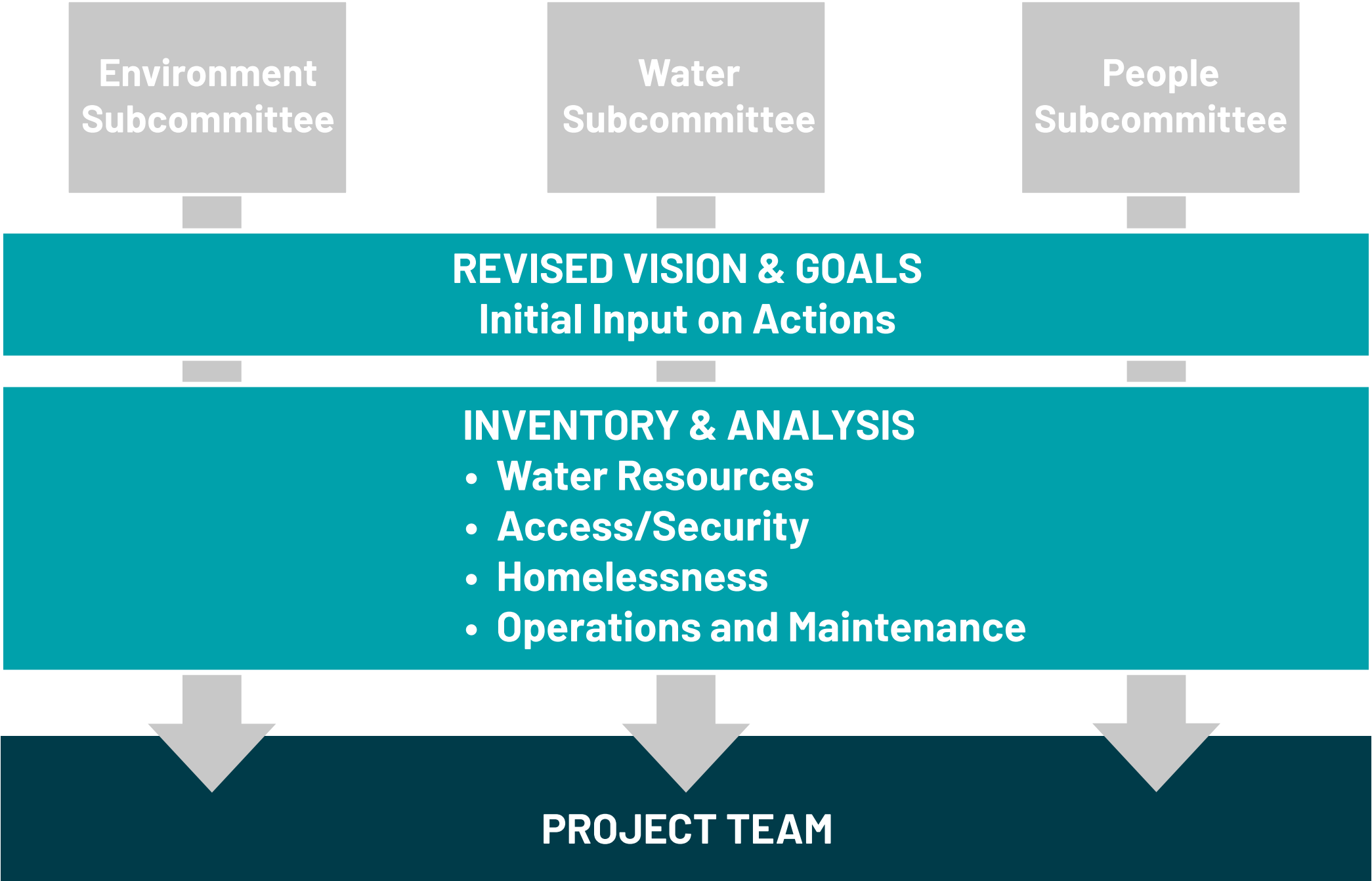


# SUBCOMMITTEE MEETINGS #3

October 3, 2018

Metro Building

*Thank you Los Angeles  
County Metropolitan  
Transportation Authority*





# ENVIRONMENT SUBCOMMITTEE

## Vision

- Ecology of the river
- Upland habitat
- Planning area – floodplain or the channel



# ENVIRONMENT SUBCOMMITTEE

## Goals

**Goal: Promote healthy, safe, clean water.**

- “Create” or “Improve”
- Tie to measurable objectives.
- “Safe”
- Actions and methods:
  - No discussion

**Goal: Provide equitable, inclusive, and safe parks, open space, and trails.**

- “Safe”
- Actions and methods:
  - No discussion



# ENVIRONMENT SUBCOMMITTEE

## Goals

### **Goal: Support healthy, connected ecosystems.**

- Connect goal to floodplain, infiltration, water supply and water quality.
- “Sustainable” re: ecological balance
- Actions and methods:
  - Native and adapted vegetation, ecologically appropriate, habitat needs
  - Cleanup challenges around native vegetation
  - Wildlife corridors
  - River ecological function, sediment transport, resiliency
  - Herbicide and rodenticide
  - Pollinators and biodiversity
  - Native and non-native fish habitat
  - Community science



# ENVIRONMENT SUBCOMMITTEE

## Inventory and Analysis

### Water Resources

- Effects of nearby contaminated sites
- Climate change effects – sea level rise and salt water intrusion
- Water supply needs for wetlands and habitat
- Intersecting benefits – parks and habitat
- Community science/iNaturalist opportunities for data gaps



# WATER SUBCOMMITTEE

## Goals

**Goal: Provide protective and resilient flood management.**

- Make inclusive of gray and green infrastructure.
- Actions and methods:
  - Infrastructure hierarchy, from nature-based as top priority, followed by green and gray
  - Balance flood risk and vegetation management.
  - Manage sediment.
  - Floodplain management – reclaim where possible and prohibit construction.



# WATER SUBCOMMITTEE

## Goals

**Goal: Improve regional water supply reliability.**

- Actions and methods:
  - Consider tributaries
  - Coordinate with other watersheds
  - Reuse, recharge, capture, gray water systems
  - Resiliency for natural disaster recovery



# WATER SUBCOMMITTEE

## Goals

**Goal: Promote healthy, safe, clean water.**

- “Ensure” rather than “promote”
- “River flow” rather than “water”
- Distinguish between human and ecological value.
- Separate goal for ecology and habitat health.
- Actions and methods:
  - Nature-based solutions where possible
  - Balance with habitat and restoration needs
  - Stormwater capture management
  - A river that people can dive into



# WATER SUBCOMMITTEE

## Inventory and Analysis

### Operations and Maintenance (O&M)

- Intersections between homeless encampments and O&M
- Vector control
- Effects of adding infrastructure on O&M
- Sediment removal
- Signs – directional and info on current conditions
- Better public communication re: O&M process
- Establishment of invasive species in tributaries makes permanent removal from river difficult
- Potentially a Public Works guidebook



# PEOPLE SUBCOMMITTEE

## Vision

- Varying views on how to address economic considerations – “community economic resources” and “equitable economic development”



# PEOPLE SUBCOMMITTEE

## Goals

### **Goal: Address potential adverse impacts to housing affordability.**

- Always include economic development in discussions about housing; “engage principles of equitable development”.
- Actions and methods:
  - Create equitable economic development plan.

### **Goal: Provide equitable, inclusive, and safe parks, open space, and trails.**

- Actions and methods:
  - Holistic approach to transportation
  - Joint use of parking lots not in constant use
  - Needs and preferences of equestrian trail users



# PEOPLE SUBCOMMITTEE

## Goals

### **Goal: Embrace local culture and strengthen communities.**

- Consider alternative to “embrace,” maybe “reflect”
- Actions and methods:
  - Infrastructure for street vendors
  - Cultural activities in areas that only flood seasonally
  - Coordinating change with local communities
  - Jobs and local hiring
  - Inventory of local city developer fees for art
  - Neighborhood-specific cultural art grants
  - Genuine cultural expression



# PEOPLE SUBCOMMITTEE

## Goals

**Goal: Foster learning and opportunities for education.**

- Actions and methods:
  - Opportunities for people to experience the unique local community cultures and Native American cultures
  - Incubation arts and culture
  - Engage K-12 students in bird watching, kayaking, art, etc.
  - SHTEAM

# PEOPLE SUBCOMMITTEE

## Inventory and Analysis

### Homelessness

- Parks: Balance safety and health concerns of park users with needs of people experiencing homelessness.
- Avoid the consequences of the High Line in NYC.
- Provide support resources for drug users.
- O&M – procedures and noticing
- Populations are not as transient as assumed – supportive housing and jobs need to be close to encampments.
- City of Azusa's Angel Program – proactive approach, help before people become homeless.



# Q & A AND DISCUSSION

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



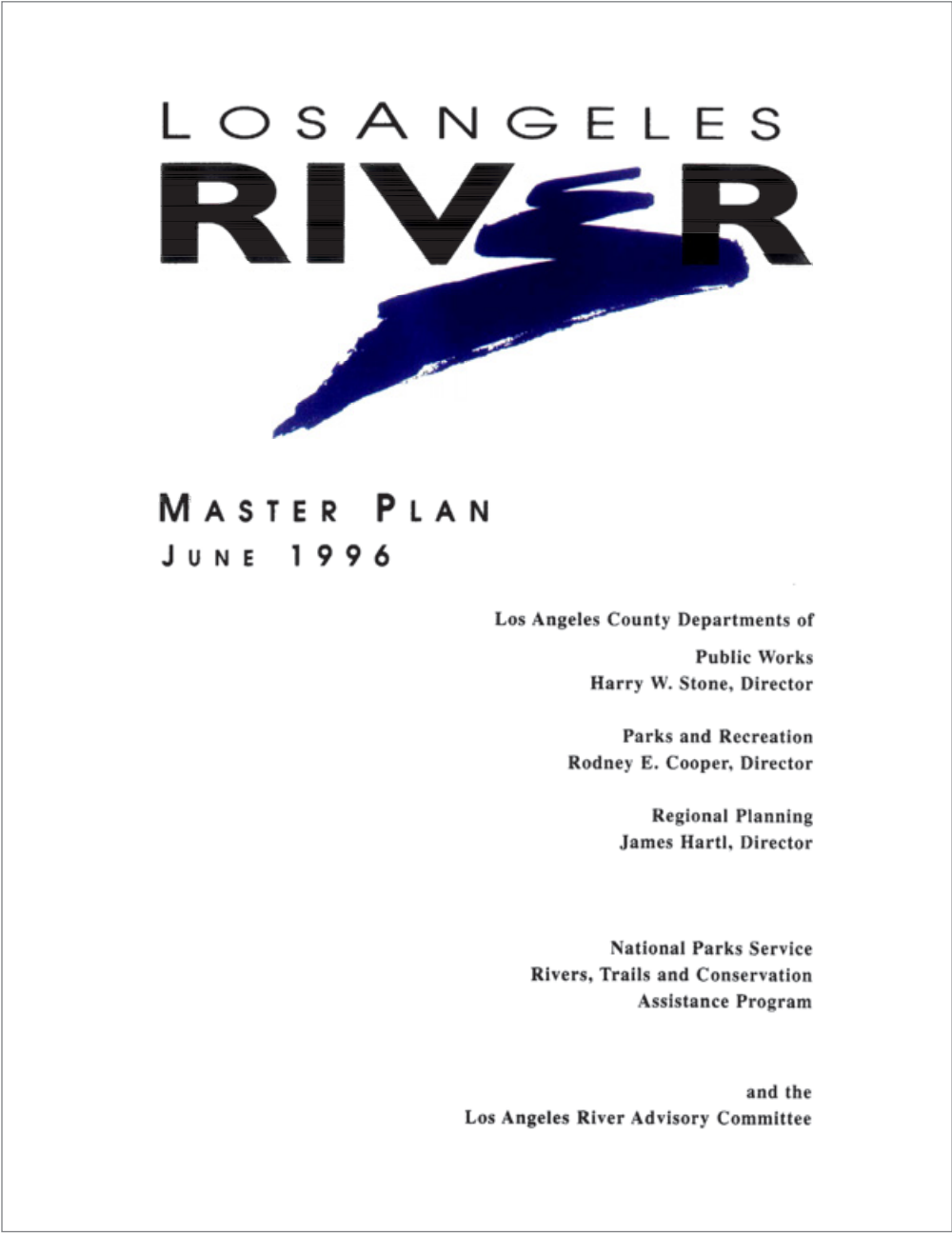
A person is walking away from the camera on a paved path that runs alongside a river. The river is on the left, and the path is on the right. In the background, there are several high-voltage power lines and towers stretching across the landscape. The scene is overlaid with a semi-transparent teal filter. The text "GOAL-DRIVEN FRAMEWORK" is centered in the middle of the image in a large, white, sans-serif font.

# GOAL-DRIVEN FRAMEWORK

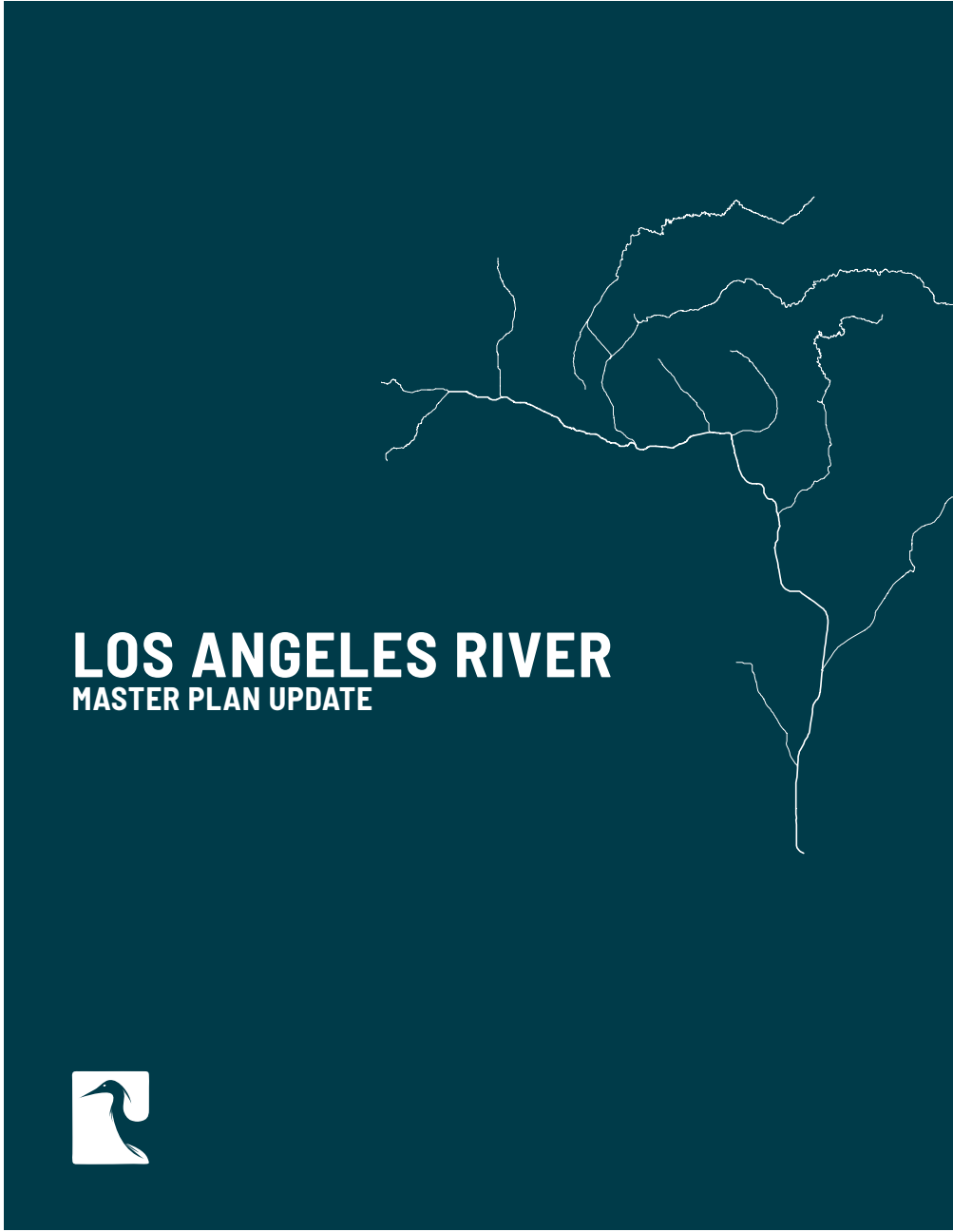
Source: OLIN



# 1996 PLAN



# 2020 PLAN



# 1996 PLAN MISSION STATEMENT

The Los Angeles River Master Plan provides for the optimization and enhancement of aesthetic, recreational, flood control and environmental values by creating a community resource, enriching the quality of life for residents, and recognizing the River’s primary purpose for flood control.

# 2020 PLAN 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.



# 1996 PLAN RECOMMENDATIONS

## Topic (6)

- Goal (8)
  - Objectives (27)
- Recommendations (39)
- Changes in Policy + Practices (30)

## Implementation Issues (7)

- Ways to Address Issues (28)

## Reach (6)

- Cities (15)
  - Recommendations (92)
  - Projects

# 2020 PLAN RECOMMENDATIONS

## Goal (9)

- Actions
  - Methods

## Frame (9)

- Projects

# 1996 PLAN RECOMMENDATIONS

## Topic (6)

- Goal (8)
  - Objectives (27)
- Recommendations (39)
- Changes in Policy + Practices (30)

## Implementation Issues (7)

- Ways to Address Issues (28)

## Reach (6)

- Cities (15)
  - Recommendations (92)
  - Projects

# 2020 PLAN RECOMMENDATIONS

## Goal (9)

- Actions WHAT
  - Methods
  - PARTIES RESPONSIBLE FOR IMPLEMENTATION WHO
  - POTENTIAL IMPLEMENTATION PARTNERS
  - GEOGRAPHIC BOUNDARIES WHERE
  - ORDER-OF-MAGNITUDE COST HOW
  - EXISTING FUNDING SOURCES
  - POTENTIAL NEW FUNDING SOURCES
  - TIMEFRAME WHEN

## Frame (9)

- Projects



# 1996 PLAN GOALS

## Aesthetics

- Improve the appearance of the river and the pride of local communities in it.

## Economic Development

- Promote the river as an economic asset to the surrounding communities.

## Environmental Quality

- Preserve, enhance, and restore environmental resources in and along the river.

## Flood Management and Water Conservation

- Ensure that flood control and public safety needs are met.
- Consider storm water management alternatives.

## Jurisdiction and Public Involvement

- Ensure public involvement and coordinate master plan development and implementation among jurisdictions.

## Recreation

- Provide a safe environment and a variety of recreational opportunities along the river.
- Ensure safe access to and compatibility between the river and other activity centers.

# 2020 PLAN GOALS

## Clean Water

- Promote healthy, safe, clean water.

## Housing Affordability

- Address potential adverse impacts to housing affordability.

## Ecosystems

- Support healthy, connected ecosystems.

## Flood Risk

- Provide protective and resilient flood management.

## Water Supply

- Improve regional water supply reliability.

## Education

- Foster learning and opportunities for education.

## Communities

- Embrace local culture and strengthen communities.

## Parks, Open Space, and Trails

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

## Access

- Enhance opportunities for equitable access to the river corridor.

# EVALUATION OF 1996 PLAN RECOMMENDATIONS

## Reaffirm

Still  
Relevant

**EXAMPLE**

“Improve water quality.”

## Reinforce

Needs More  
Specificity

**EXAMPLE**

“Integrate public  
involvement.”

## Revise

Needs to be  
Reworded

**EXAMPLE**

“Distribute a flow chart  
depicting jurisdictional  
relationships, land  
ownership, and  
easements along the  
river.”

## Remove

No Longer  
Relevant

**EXAMPLE**

“A Master Plan  
coordinator must be  
designated in a staff  
position within each  
city and appropriate  
county departments.”



# GOAL: *AN IDEAL FUTURE STATE*

## POTENTIAL ACTIONS

- *Movements toward the ideal state*

## POTENTIAL METHODS

- *Specific implementation steps for each action*

**GOAL: SUPPORT HEALTHY, CONNECTED ECOSYSTEMS.**



# GOAL: SUPPORT HEALTHY, CONNECTED ECOSYSTEMS.

## POTENTIAL ACTIONS

- Encourage cities along the river to adopt sustainability strategies.
- Increase species biodiversity and focus on the use of native plants in and around the river corridor where possible.

# GOAL: SUPPORT HEALTHY, CONNECTED ECOSYSTEMS.

## POTENTIAL ACTIONS

- Encourage cities along the river to adopt sustainability strategies.
- Increase species biodiversity and focus on the use of native plants in and around the river corridor where possible.

## POTENTIAL METHODS

- Develop reach specific plant species guidelines related to ecological zones along the river with cornerstone species to create desirable ecosystems.
- Consider long-term trends, such as population growth, climate change, future water regimes, resiliency, and sustainability to create adaptive and dynamic biodiversity plans that are resilient to the urban context.
- Encourage nurseries along the river that can supply native trees and plants for new, large river parks.





Source: Flickr user Ken Lund, Los Angeles River, Los Angeles, California, 2015. <https://www.flickr.com/photos/kenlund/2140020059>

**Address potential adverse impacts to housing affordability.**



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

**Embrace local culture and strengthen communities.**



Source: OLIN

**Enhance opportunities for equitable access to the river corridor.**



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

**Foster learning and opportunities for education.**



Source: OLIN

**Improve regional water supply reliability.**



Source: OLIN

**Promote healthy, safe, clean water.**



Source: Flickr user Scott L. L. EIC/3392, 2015. <https://www.flickr.com/photos/41802288@N03/2390466880/>

**Provide protective and resilient flood management.**



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-the-source.metro.net/wp-content/uploads/2017/11/061354650/34157493341\\_061530301d\\_01.jpg](http://s3-us-west-2.amazonaws.com/media-the-source.metro.net/wp-content/uploads/2017/11/061354650/34157493341_061530301d_01.jpg)

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



Source: K&E T. Departures, South L.A. - Willow Street, 2010. <https://www.flickr.com/photos/ketdepartures/51570635201/in/album-72157624140267750201059>

**Support healthy, connected ecosystems.**



# Q & A AND DISCUSSION

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



An aerial photograph of Los Angeles, California, showing the Los Angeles River flowing through the city. The river is a prominent feature, winding through the urban landscape. The surrounding area is densely packed with buildings, mostly low-rise commercial and industrial structures. The image is overlaid with a semi-transparent teal color, and the title 'PLANNING FRAMES' is written in large, white, bold, sans-serif capital letters across the center.

# PLANNING FRAMES

Source: Joe Mabel, 2001. Wikipedia. [https://commons.wikimedia.org/wiki/File:Los\\_Angeles\\_River\\_aerial\\_01.jpg](https://commons.wikimedia.org/wiki/File:Los_Angeles_River_aerial_01.jpg)



# 36 CONSTRUCTED MASTER PLAN PROJECTS SINCE 1996



Source: Los Angeles County Public Works



# 36 CONSTRUCTED MASTER PLAN PROJECTS SINCE 1996

1. Seven Earth Day Tree Planting and Landscaping Projects (Varies)

2. Adopt-A-Riverbank: Village Gardeners (39.5)

3. Amtrak Project: fencing and hydroseeding (20.5)

4. Baum Bicycle Bridge (28.3)

5. Cesar Chavez Park (0.6)

6. City of LA Bikeway (Varies)

7. Cornfields Adjacent River Park (23.4)

8. Dominguez Gap Wetlands (5.1)

9. East Valley LA River Greenway/Bikeway (Varies)

10. Egret Park (24.3)

11. Elysian Valley Gateway Park (26.1)

12. Ernie’s Walk Expansion (41.8)

13. Glendale Narrows Riverwalk (30.6)

14. Golden Shore Biological Reserve (0.0)

15. Great Heron Gates Park (26.9)

16. Julia Russ Asmus Park (13.6)

17. LA River Greenway II (Varies)

18. LA River Center and Gardens (24.4)
19. LA River County Bikeway Improvements (Varies)

20. LA River Headwaters (51.0)

21. Los Feliz Riverwalk (28.6)

22. Marsh Park (Lewis Adams Park - 26.5)

23. Maywood Riverfront Park (15.7)

24. North Atwater Park Restoration (29.1)

25. Oso Park (24.5)

26. Paddle the LA River (44.1)

27. Richard Lillard Outdoor Classroom (39.6)

28. River Garden Park (24.5)

29. Southern Avenue Bikeway and Park (13.1)

30. Steelhead Park (24.5)

31. Studio City Greenway (38.5)

32. Sunnynook River Park (27.9)

33. 3-Part Tujunga Wash Ecosystem Restoration (33.4)

34. Valleyheart Greenway (37.9)

35. Ventura Boulevard Landscape (37.3)

36. Water with Rocks Gate (29.9)

Sources: <http://ladpw.org/wmd/watershed/LA/Completed%20Projects.pdf>, <http://dpw.lacounty.gov/wmd/watershed/LA/ListofProjects.pdf>

# 1996 MASTER PLAN

## Initial Demonstration Projects List

17 projects developed by Advisory Committee and Planning Team with public involvement

Short-term demonstration projects that deliver long-term Master Plan Goals

Proposed improvements included a description of:

- Aesthetics
- Economic Development
- Environmental Quality
- Flood Management
- Water Quality
- Recreation

1. Expand on the North East Trees planting projects near Arroyo Seco
2. Soccer field in Vernon
3. Dominguez Gap planting
4. Los Feliz walkway to Colorado Blvd
5. Glendale river front trail connection to Bette Davis Picnic Area
6. Fletcher Drive Park
7. Los Angeles River signs
8. Flood management and water conservation public information program
9. Golf driving range in Vernon
10. Tree planting along the river at City of Los Angeles soccer fields
11. Fish ponds along river at 405 and 710 freeways
12. River safety training site, short and long term approaches
13. Erosion control planting on levee in Paramount
14. Tree planting projects in the cities of: Compton, Bell, and South Gate
15. Trout stocking of river (longer-term project)
16. Interpretive site for engineering and industrial use of the river in the cities of: Vernon, downtown Los Angeles, and Compton
17. Connection to park on Golden Avenue in Long Beach



# 1996 MASTER PLAN

## Demonstration Projects Selection

### Criteria:

- Site
- Funding
- Community Support
- Meets River Goals
- Short Implementation
- Maintainability

### Four Demonstration Projects Selected:



Source: ljcruz, [https://commons.wikimedia.org/wiki/File:Hansen\\_Dam\\_sign.jpg](https://commons.wikimedia.org/wiki/File:Hansen_Dam_sign.jpg)

Tujunga Wash/Hansen Dam Interpretive Site



Source: LA County Department of Public Works

Los Feliz Riverwalk



Source: OLfN

Dominguez Gap Environmental Enhancement



Source: splinister

Wrigley Greenbelt Trail Enhancement

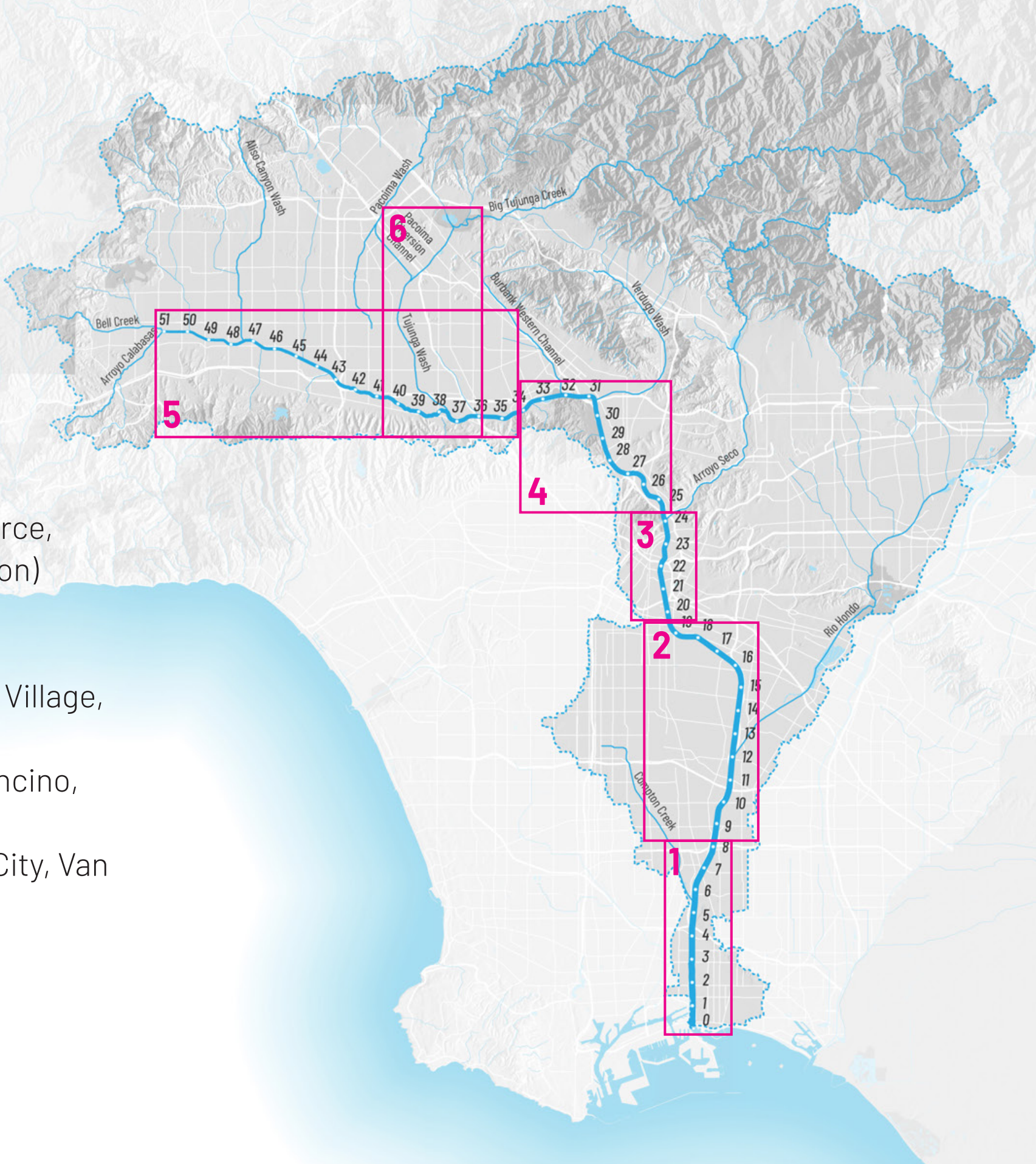


# 1996 MASTER PLAN

6 Reaches of the River

Reaches:

- 1. **Southern Cities** (Long Beach, Carson)
- 2. **Mid-Cities** (Vernon, Maywood, Bell Gardens, Bell, Commerce, Cudahy, South Gate, Downey, Lynwood, Paramount, Compton)
- 3. **Downtown Los Angeles** (Boyle Heights, Lincoln Heights, Chinatown, Downtown)
- 4. **Glendale Narrows** (Burbank, Glendale, Los Feliz, Atwater Village, Elysian Valley, Silverlake, Glassell Park, Cypress Park)
- 5. **San Fernando Valley** (Canoga Park, Winnetka, Reseda, Encino, West Van Nuys, Sherman Oaks, Studio City, Toluca Lake)
- 6. **Tujunga Wash** (Lakeview Terrace, Sun Valley, Panorama City, Van Nuys, North Hollywood)





# RULES FOR DETERMINING FRAMES

## GOVERNING BOUNDARIES

### 1) MUNICIPALITIES

- + Don't split municipalities

### 2) HYDRAULIC REACHES

- + Don't combine hard and soft bottom, trapezoidal and box sections

## IN ALIGNMENT WITH GOVERNING BOUNDARIES

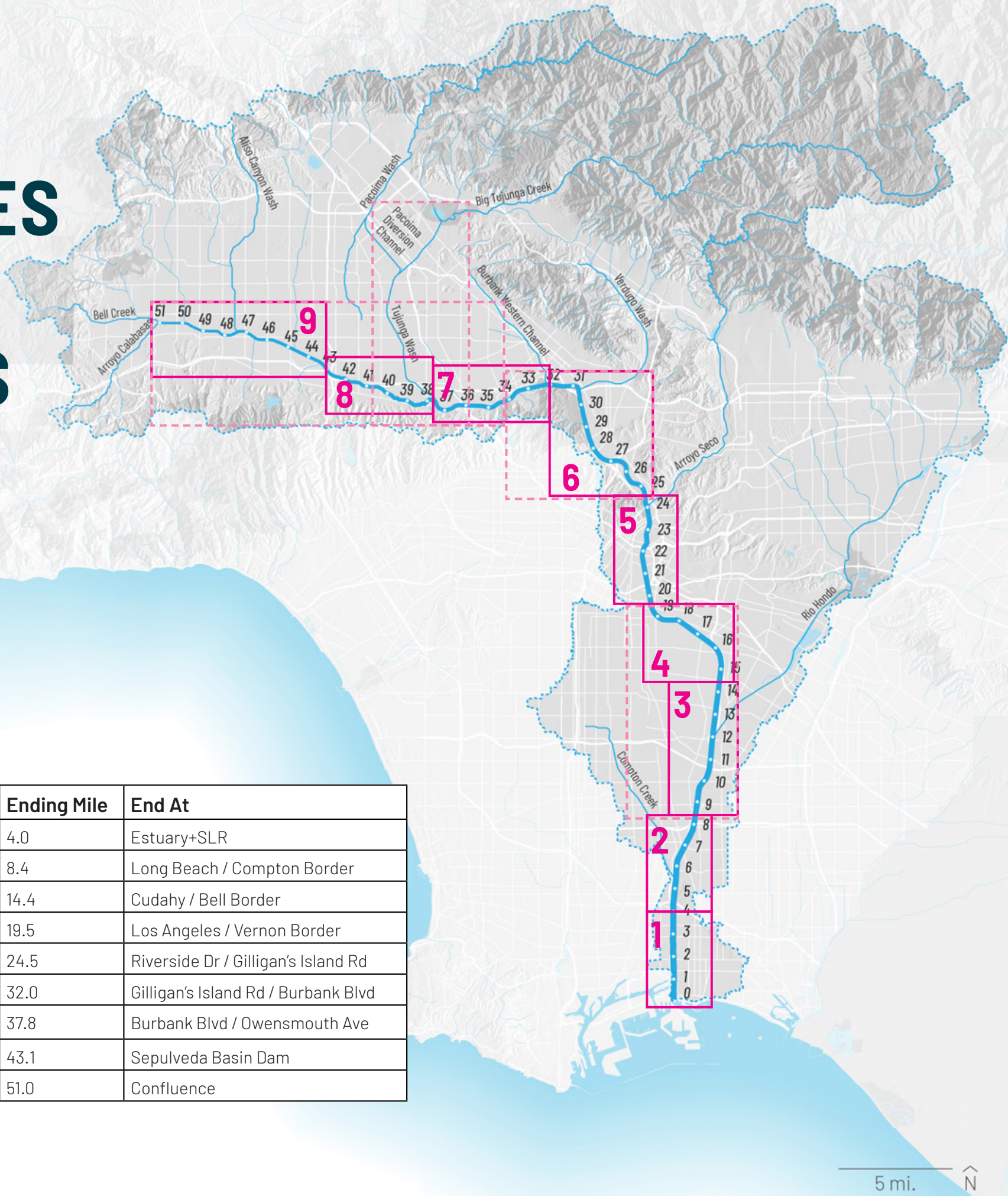
### 3) ECO REGIONS

- + Coincident boundaries

# LINEAR PLANNING FRAMES PRIORITIZE EXISTING COINCIDENT BOUNDARIES AND CHANNEL CONDITIONS

- 2020 Plan Frames (9)
- 1996 Plan Reaches (6)

#	Planning Frame Name	Length (mi)	Starting Mile	Start At	Ending Mile	End At
1	Estuary	4.0	0.0	River Mouth	4.0	Estuary+SLR
2	South Los Angeles Plain	4.4	4.0	Estuary+SLR	8.4	Long Beach / Compton Border
3	Middle Los Angeles Plain	6.0	8.4	Long Beach / Compton Border	14.4	Cudahy / Bell Border
4	North Los Angeles Plain	5.1	14.4	Cudahy / Bell Border	19.5	Los Angeles / Vernon Border
5	Heights	5.0	19.5	Los Angeles / Vernon Border	24.5	Riverside Dr / Gilligan's Island Rd
6	Narrows	7.5	24.5	Riverside Dr / Gilligan's Island Rd	32.0	Gilligan's Island Rd / Burbank Blvd
7	Eastern San Fernando Valley	5.8	32.0	Gilligan's Island Rd / Burbank Blvd	37.8	Burbank Blvd / Owensmouth Ave
8	Central San Fernando Valley	5.3	37.8	Burbank Blvd / Owensmouth Ave	43.1	Sepulveda Basin Dam
9	Western San Fernando Valley	8.0	43.1	Sepulveda Basin Dam	51.0	Confluence





# Q & A AND DISCUSSION

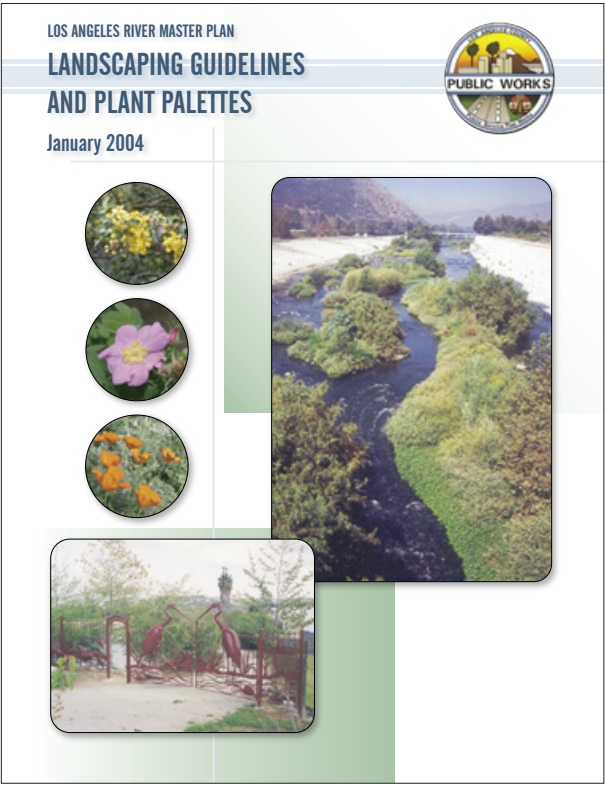
Source: USACE, Los Angeles District, EHyperionAve1928, <http://cespl.maps.arcgis.com/apps/MapSeries/index.html?appid=e15694dbf7c54f8c96285a0e74039e69>



# DESIGN GUIDELINES



# DESIGN GUIDELINES



## LARMP Landscape and Planting Design Guidelines

- Plan prepared in January 2004 by Benshoof, Withers, Sandgren, LTD with other contributors
- Prepared specifically for the public ROW adjacent to the LA River
- Advises on plant communities along different stretches of the river, where to plant, site furnishings, lighting, soils, and BMP's for watershed protection



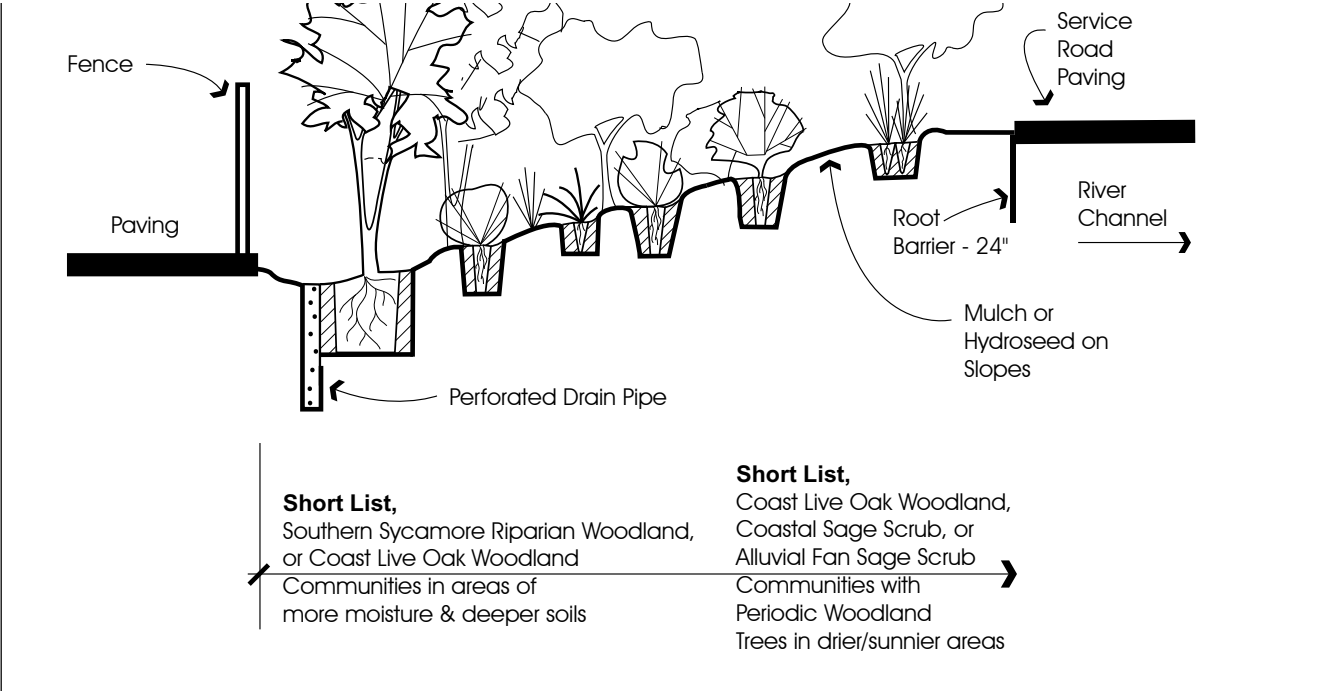
## LARMP Sign Guidelines

- Prepared in August 2003 by the Mountains Recreation and Conservation Authority
- Prepared to create a framework for consistent signage and reinforce an identity for the LA River park system
- Components of the guidelines include standard design elements, design specifications, and installation and maintenance methods

Source: Los Angeles County Public Works, LA River Master Plan Sign Guidelines, 2003; LA River Master Plan Landscaping Guidelines and Plant Palettes, 2004

# SITE PREPARATION AND PLANT INSTALLATION

- Soil Amendments
- Contract to collect and grow native species
- Install seed container plants in late fall to early spring per planting specifications
- Place trees in areas that have deeper soils and receive more moisture
- Locate container plants away from paving and walls according to setbacks in plant list



**NOTES:**

- Contract to collect Los Angeles River watershed seed and grow native species	- Install seed and container plants in late fall to winter per planting specifications
- Small container sizes are preferred	- Locate container plants according to setback guidelines in Design Guideline 3 (pages 30-36) and Appendix B
- Locate most trees in areas that have deeper soils and receive more moisture	

Source: Los Angeles County Public Works, LA River Master Plan Landscaping Guidelines and Plant Palettes, 2004



# FENCES AND GATES

- Fencing must be evaluated in terms of function, aesthetics, and the perception of safety vs. real hazards
- Technical diagrams, height and spacing requirements, and examples are presented for different fence types

LARMP Landscape Guidelines - Jan 2004

## FENCE, TUBULAR STEEL

- 60" min. height along rectangular channel, and any slope greater than 2:1
- Footings-  
36" deep by 12" dia. minimum
- Posts-  
4" square, 3/16" thick steel tube, maximum 8' o.c.
- Top and Bottom Rails-  
2" square, 3/16" thick steel tube
- Pickets-  
1" square, 11 ga. steel tube, 4 1/2" o.c. Pickets less than 3/4" to be solid and pickets greater than 1" to be 1/8" wall

### Design Considerations

- All fence materials to have galvanize finish. Color optional.
- Consider artistic opportunities (see fence and gate alternatives).

### Maintenance

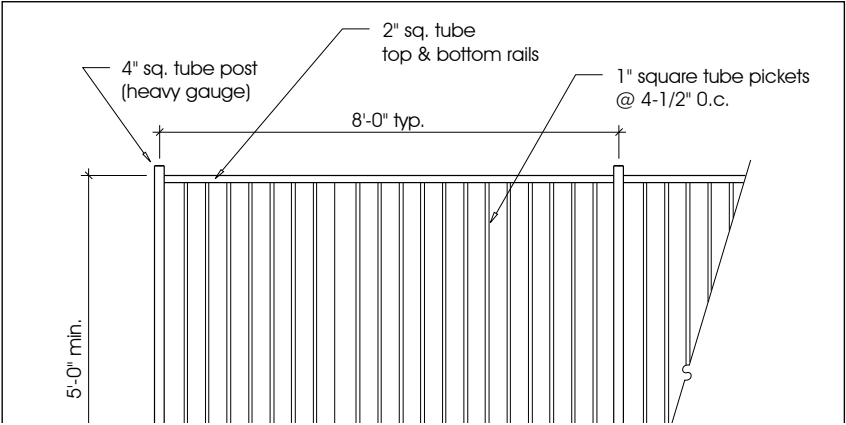
- Periodic checks for corrosion, bent or damaged pickets. Replace as necessary.

### Available from

- See Appendix C



Figure 14.2 Tubular steel fence application with arroyo stone accents. Installation to be done in accordance with manufacturers specifications.



Source: Los Angeles County Public Works, LA River Master Plan Landscaping Guidelines and Plant Palettes, 2004

Diagrams on page 65, Figure 14.2 + 14.3, of LARMP Landscape Guidelines

# LANDSCAPE GUIDELINES: WHAT IS MISSING?

WHAT IS STRONG	WHAT WE CAN IMPROVE
<ul style="list-style-type: none"><li>• Very comprehensive</li><li>• Robust planting lists and community knowledge</li><li>• Acknowledgment of setbacks and different channel conditions</li><li>• Detailed guidelines for site planting installation and maintenance</li><li>• Includes information regarding fences and gates, site amenities, trails and paths, and signs</li></ul>	<ul style="list-style-type: none"><li>• Separate out amenities and materials from planting guidelines</li><li>• Address safety and visibility for planting buffers and screening (or lack thereof)</li><li>• Updated nursery supply sources, potential for new nurseries along the LA River</li><li>• Nuanced plant reaches along the river - Identify critical habitat areas<ul style="list-style-type: none"><li>+Highlight key / cornerstone species, along with complimentary species</li><li>+Address micro-climates along channel section</li><li>+Graphic vignettes</li></ul></li><li>• Resilience issues - climate change, drought, and wildfires</li><li>• Engagement and Coordination with the Army Corps design guidelines for levees</li></ul>



# INFORMATIONAL SIGNS

- Purpose: To inform visitors about a place, and include park entry signs and other non-regulatory signs.
  - + Owner / operator
  - + Funding sources
  - + Agencies and organizations involved
- Location:
  - + Determined by the park owner / operator
  - + Suggested location is the primary entrance, visible from street or trail, to aid in finding the park
  - + Can also be an architectural gateway structure or sculpture

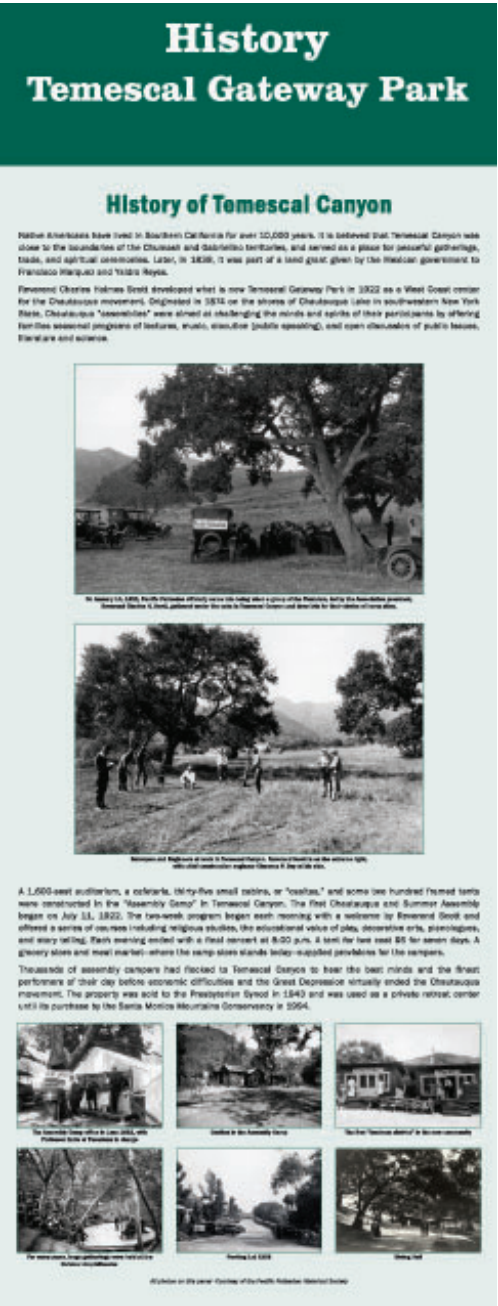
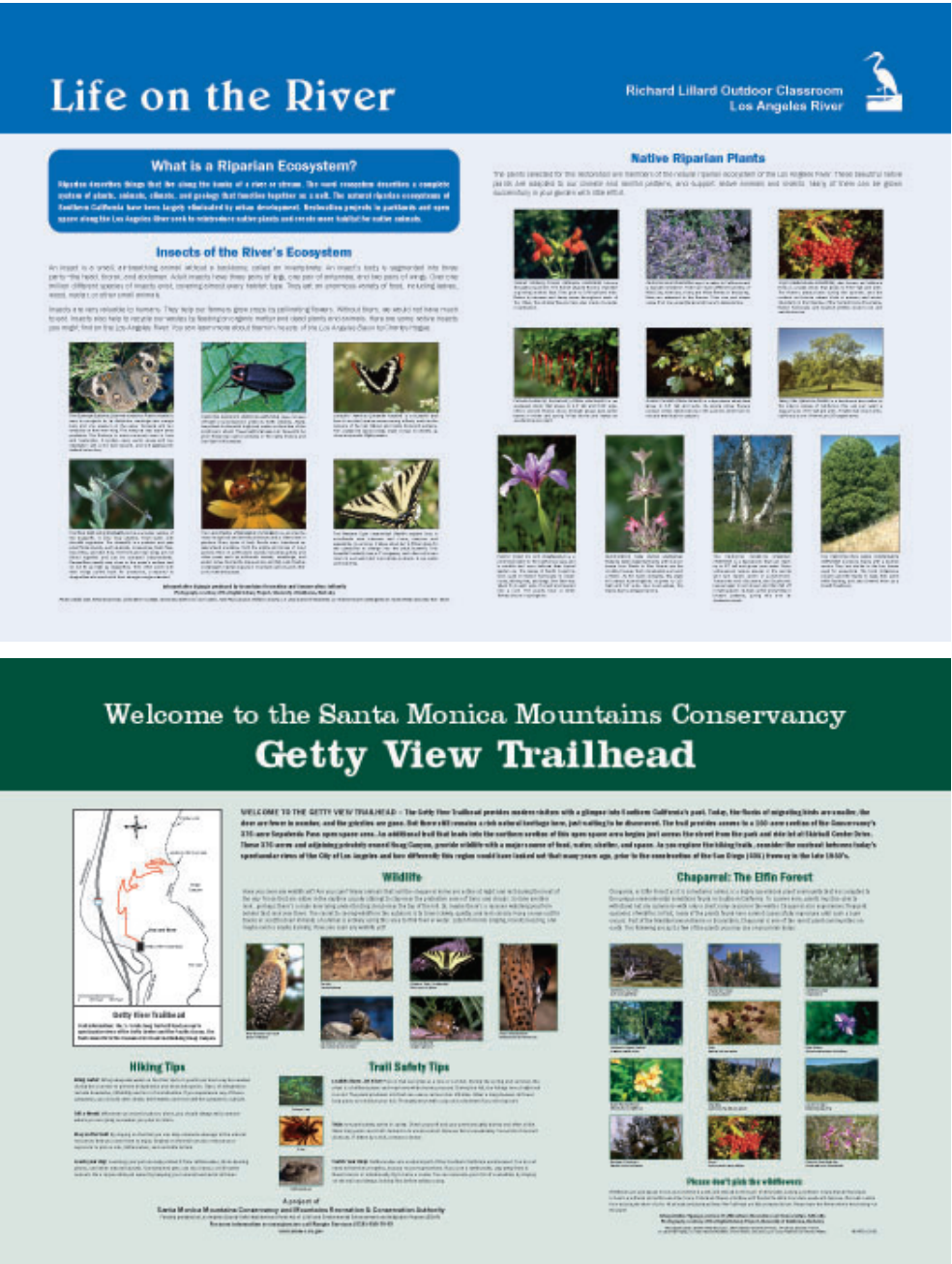


Source: Los Angeles County Public Works, LA River Master Plan Sign Guidelines, 2003

Diagram on page 14, Figure 3.3.2, of LARMP Sign Guidelines

INTERPRETIVE SIGNS AND DISPLAYS

- Purpose: To educate park visitors about:
  - + Geomorphology / engineering of the river
  - + Ecological restoration, wildlife
  - + Natural and cultural histories of Los Angeles
- Location:
  - + Determined by park owner or trail operator
  - + In river parks or access points to trails
  - + Suggested locations include overlook areas, bulb-out areas off main trails, and major river parks and access points
  - + Should provide views of the topic
  - + Similar to National Park Service’s *Wayside Exhibit Guidelines*



Source: Los Angeles County Public Works, LA River Master Plan Sign Guidelines, 2003

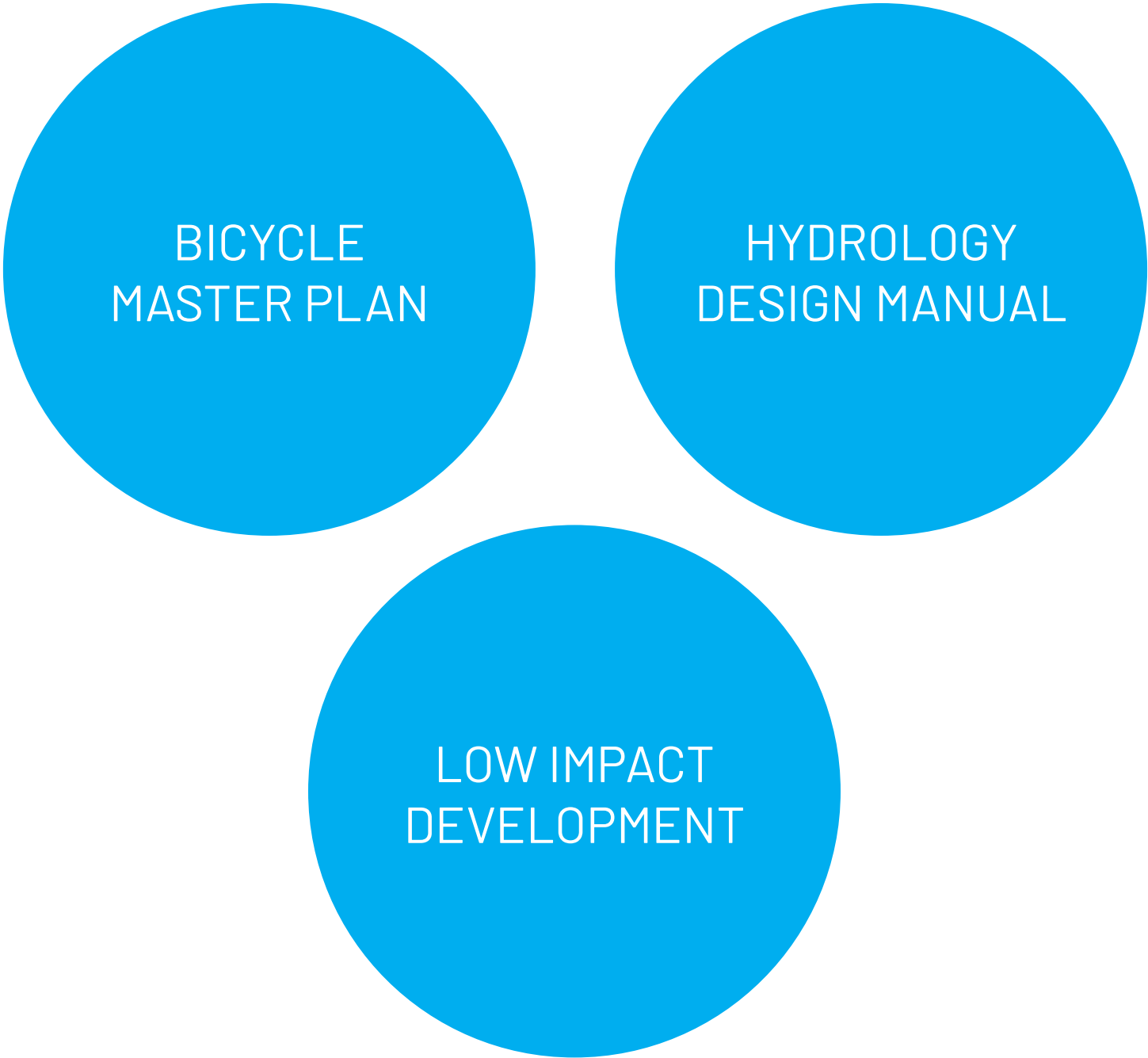
Diagram on page 17, Figure 3.4.2, of LARMP Sign Guidelines



# SIGN GUIDELINES: WHAT IS MISSING?

WHAT IS STRONG	WHAT WE CAN IMPROVE
<ul style="list-style-type: none"><li>• Clear breakdown of signage categories and functions</li><li>• Clear graphic instructions</li><li>• Examples of where to use different types of signs and mock-ups</li><li>• Guidance for signage that points to the LA River Bike Path along adjacent roadways</li></ul>	<ul style="list-style-type: none"><li>• Defined sign hierarchy</li><li>• River mile expression (beyond pavement striping)</li><li>• Signage as an opportunity for art / expression of local communities</li><li>• Understanding sequence / arrangement of signage at access points</li><li>• Signage along perpendicular routes that connects you to the river</li><li>• Safety signage showing how to get out of the river</li><li>• Modern timeless aesthetic</li></ul>

# DESIGN GUIDELINES: OTHERS REVIEWED





# WHAT CAN WE IMPROVE?

Additional design items and considerations to include in future design guidelines:

FACILITIES AND AMENITIES	MATERIALS	ACCESS AND MOBILITY
<ul style="list-style-type: none"><li>• Cadence of facilities and amenities along the River<ul style="list-style-type: none"><li>+ Types</li><li>+ Frequency</li><li>+ Location</li></ul></li><li>• Kiosks</li><li>• Information and education stations</li><li>• Shade structures</li><li>• Wi-fi availability</li><li>• Site furnishings</li></ul>	<ul style="list-style-type: none"><li>• Cohesive selection and guidelines</li><li>• Clear visual identity</li><li>• Consider both environmentally and maintenance-friendly choices</li></ul>	<ul style="list-style-type: none"><li>• Consistent access point frequency</li><li>• Lighting</li><li>• Safe crossings</li><li>• ADA accessibility</li><li>• Clear direction to access points</li></ul>

# Q & A AND DISCUSSION

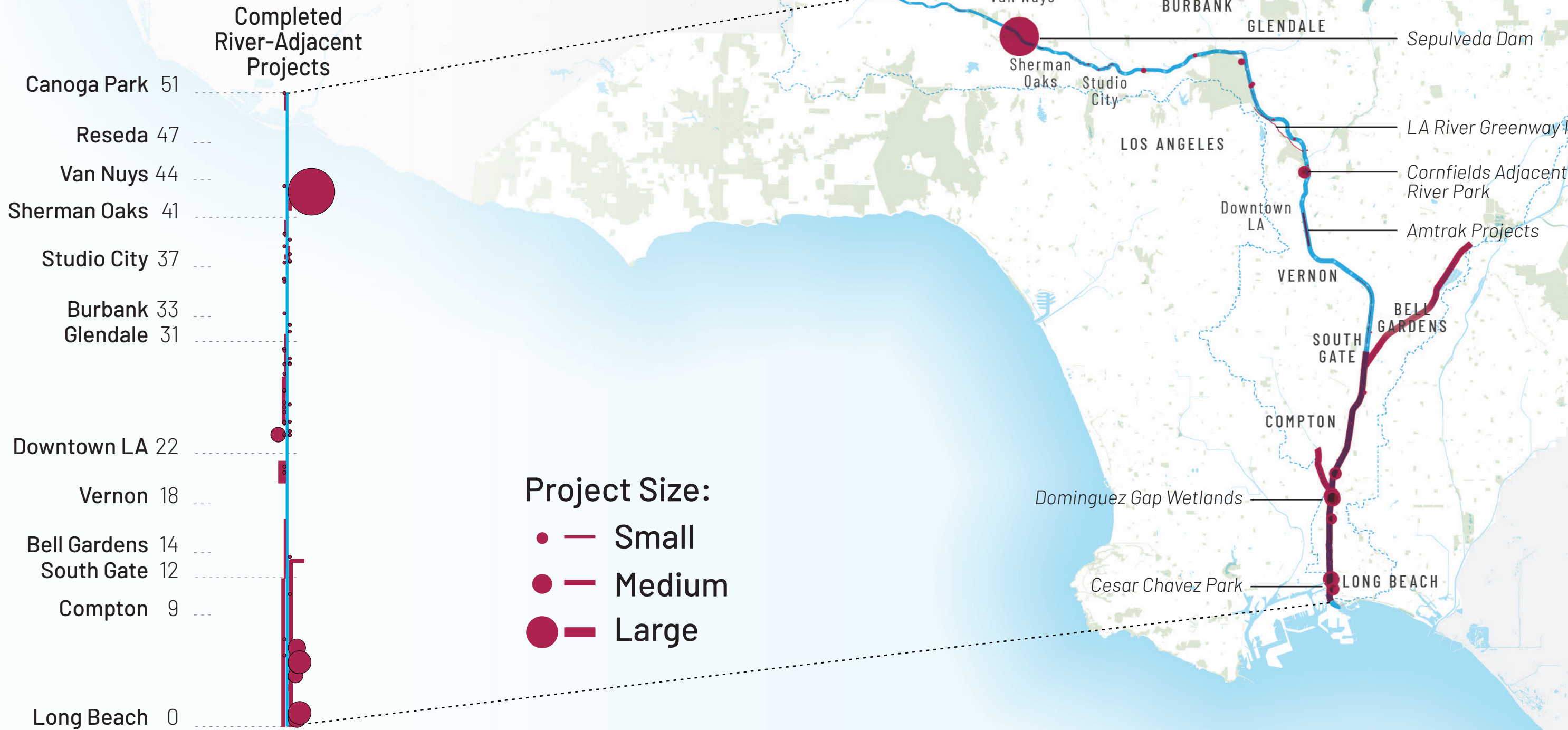
Source: USACE, Los Angeles District, EHyperionAve1928, <http://cespl.maps.arcgis.com/apps/MapSeries/index.html?appid=e15694dbf7c54f8c96285a0e74039e69>



# GEOGRAPHIC GAP ANALYSIS



# COMPLETED PROJECTS WITHIN A QUARTER MILE OF THE RIVER



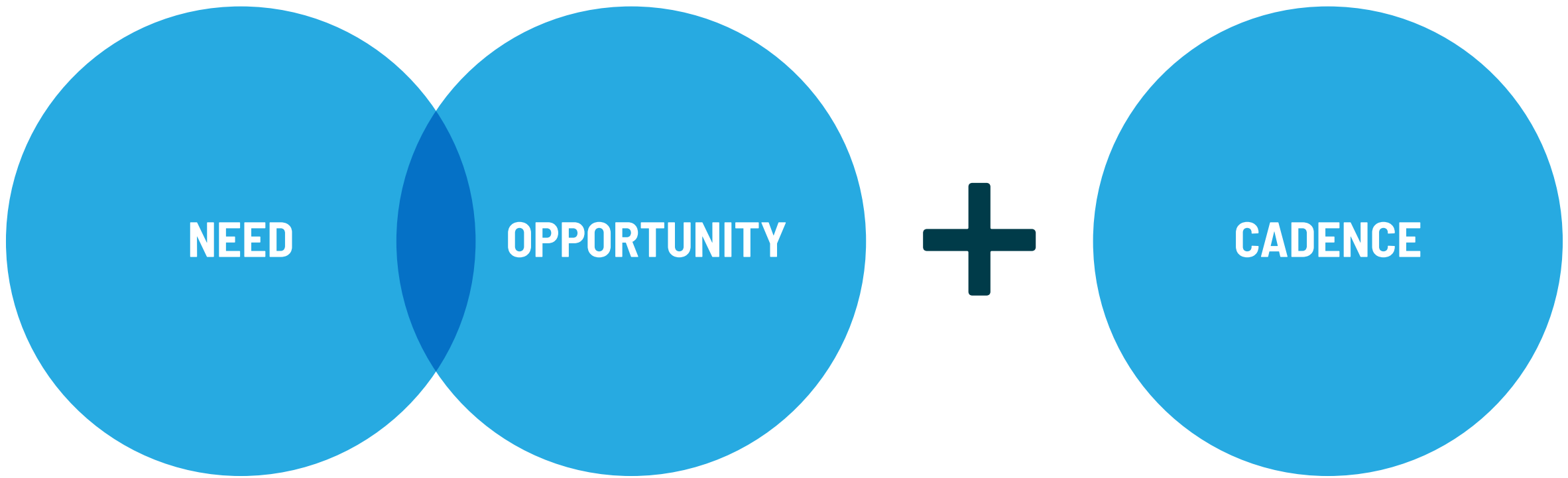


# PROJECTS WITHIN A QUARTER MILE OF THE RIVER



# HOW DO WE LOCATE NEW PROJECTS?

Align need, opportunity, and cadence  
along the LA River Corridor.





# NEED

Determine where there are significant people, water, or environment needs and vulnerabilities that are not met by existing proposed projects.

### EXAMPLE: LOCATING NEW PARKS

1. Park Needs Analysis:
  - Park Land (acres of park per 1000 people)
  - Park Access (distance to parks)
  - Park Pressure (park land availability)
2. CalEnviroscreen 3.0:
  - 20 Indicators for Pollution Burden and Population Characteristics



Source: Google Photo User: Nicolas Morales, Riverfront Park, 2017



Source: Flickr User: Rod Ramsey, Los angeles river, 2008

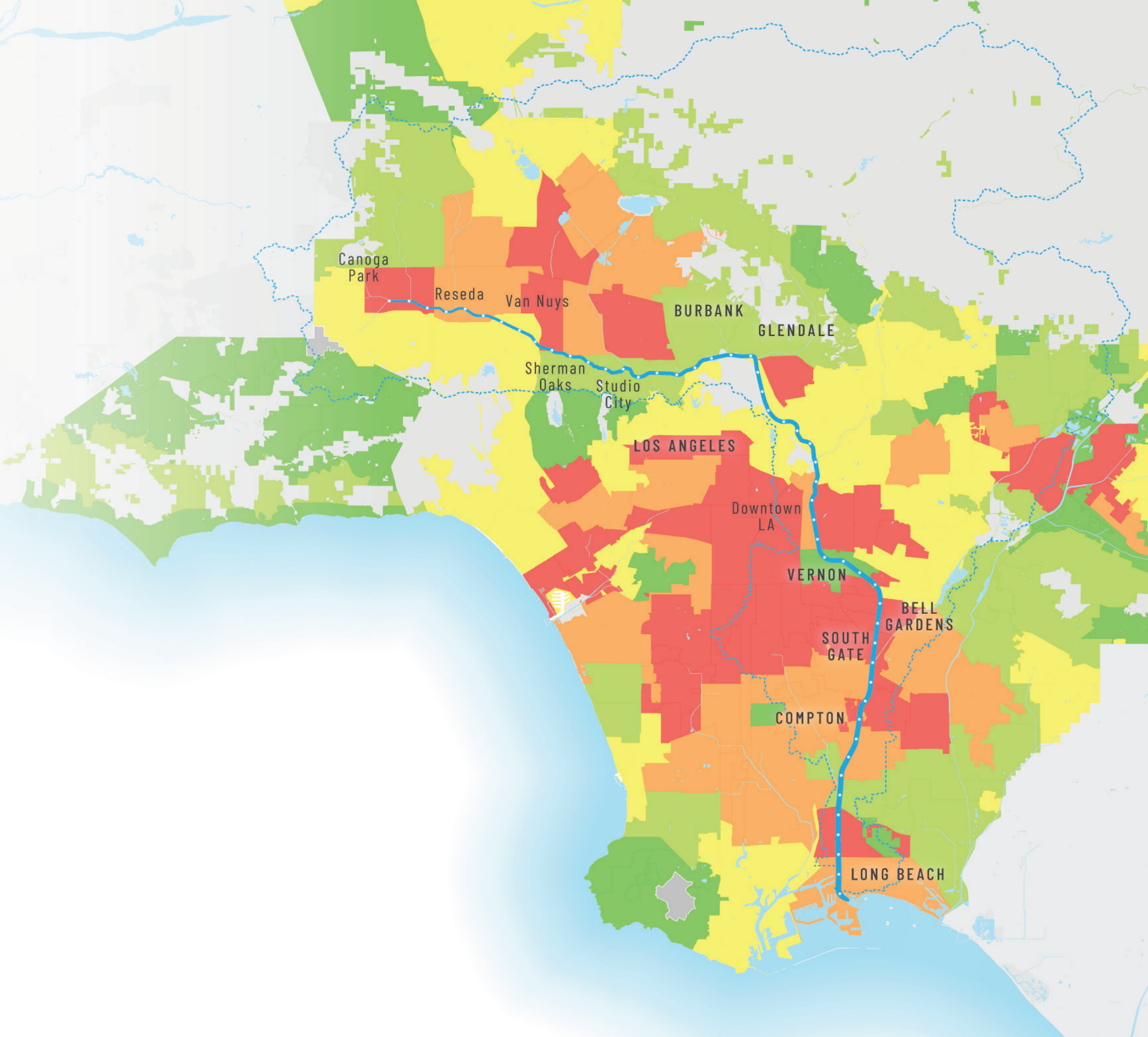


GEOGRAPHIC GAP ANALYSIS

NEED

Park Need Analysis:

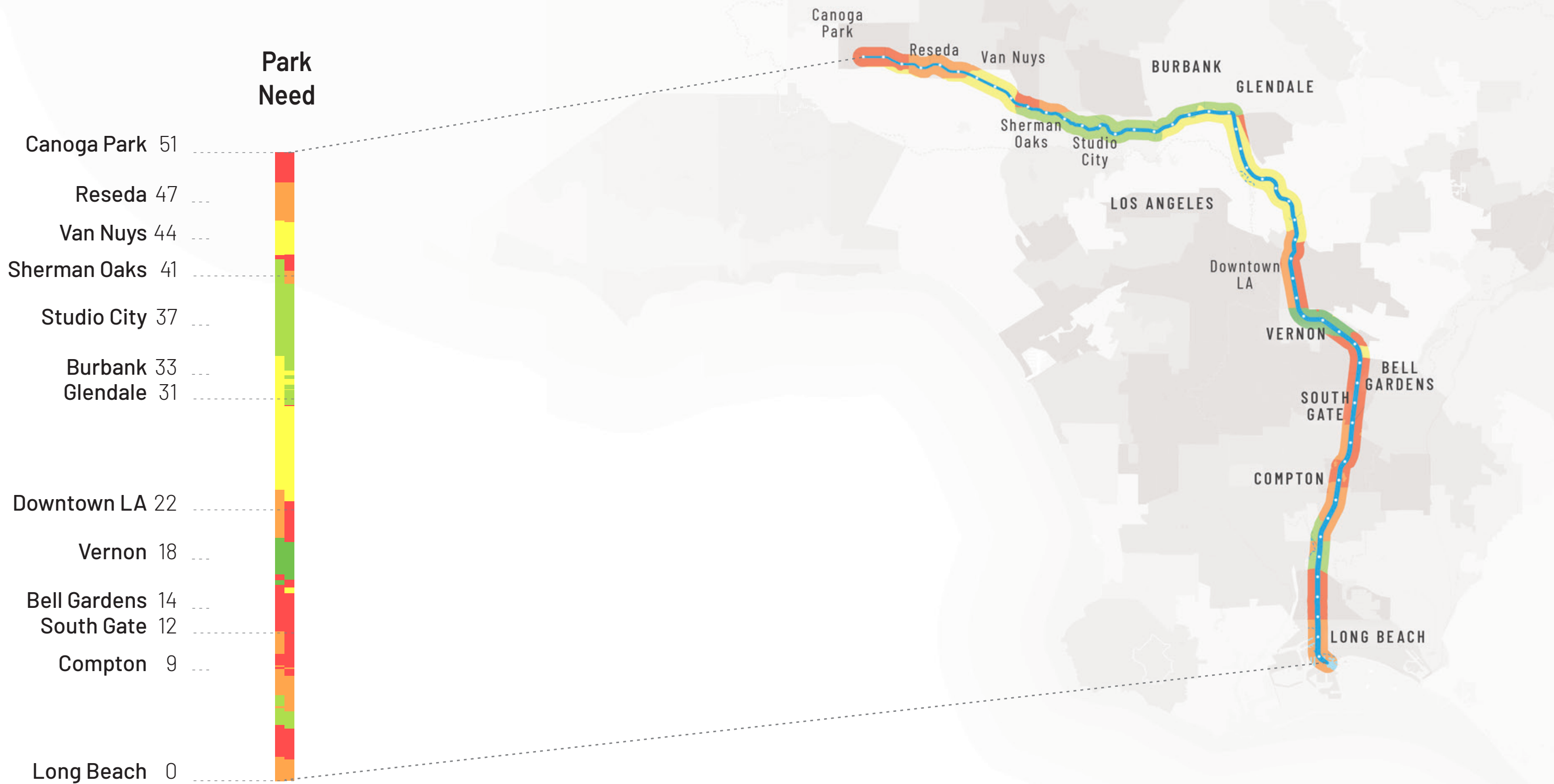
- Very High
- High
- Moderate
- Low
- Very Low



Source: Los Angeles Countywide Comprehensive Parks and Recreation Needs Assessment, 2016

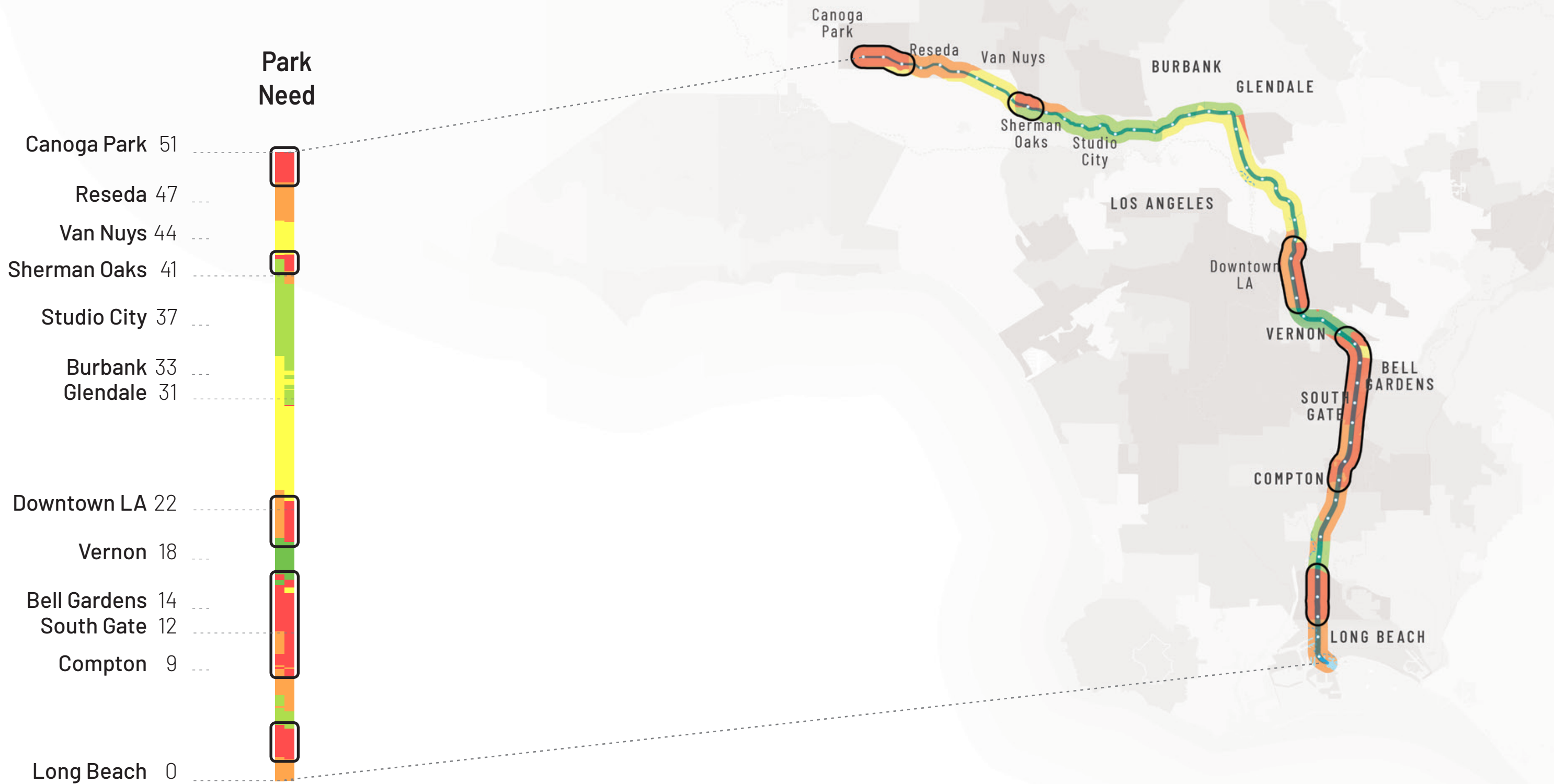


# ASSESS NEED ALONG THE LA RIVER CORRIDOR



Source: OLIN, Los Angeles Countywide Comprehensive Parks and Recreation Needs Assessment, 2016

IDENTIFY AREAS OF HIGHEST NEED



Source: OLIN, Los Angeles Countywide Comprehensive Parks and Recreation Needs Assessment, 2016

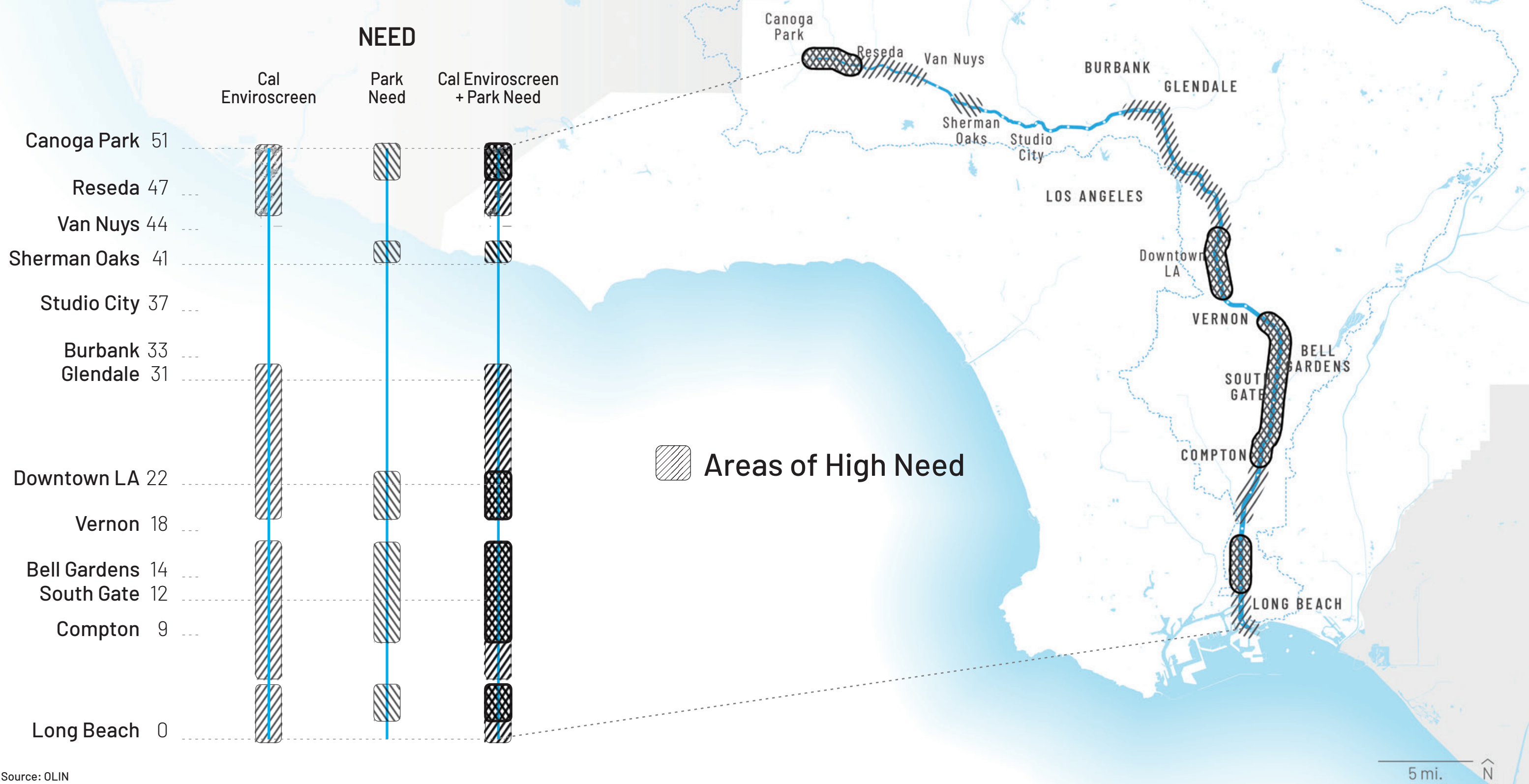


IDENTIFY AREAS OF HIGHEST NEED



Source: OLIN, Office of Environmental Health Hazard Assessment, California Environmental Protection Agency, 2017

# IDENTIFY AREAS OF OVERLAPPING HIGH NEED





# OPPORTUNITY

Capitalize on areas that have the greatest capacity to site new projects.

## EXAMPLE: LOCATING NEW PARKS

- 1. Vacant Land
- 2. Publicly Owned Land
- 3. Rights of Way



Source: OLIN

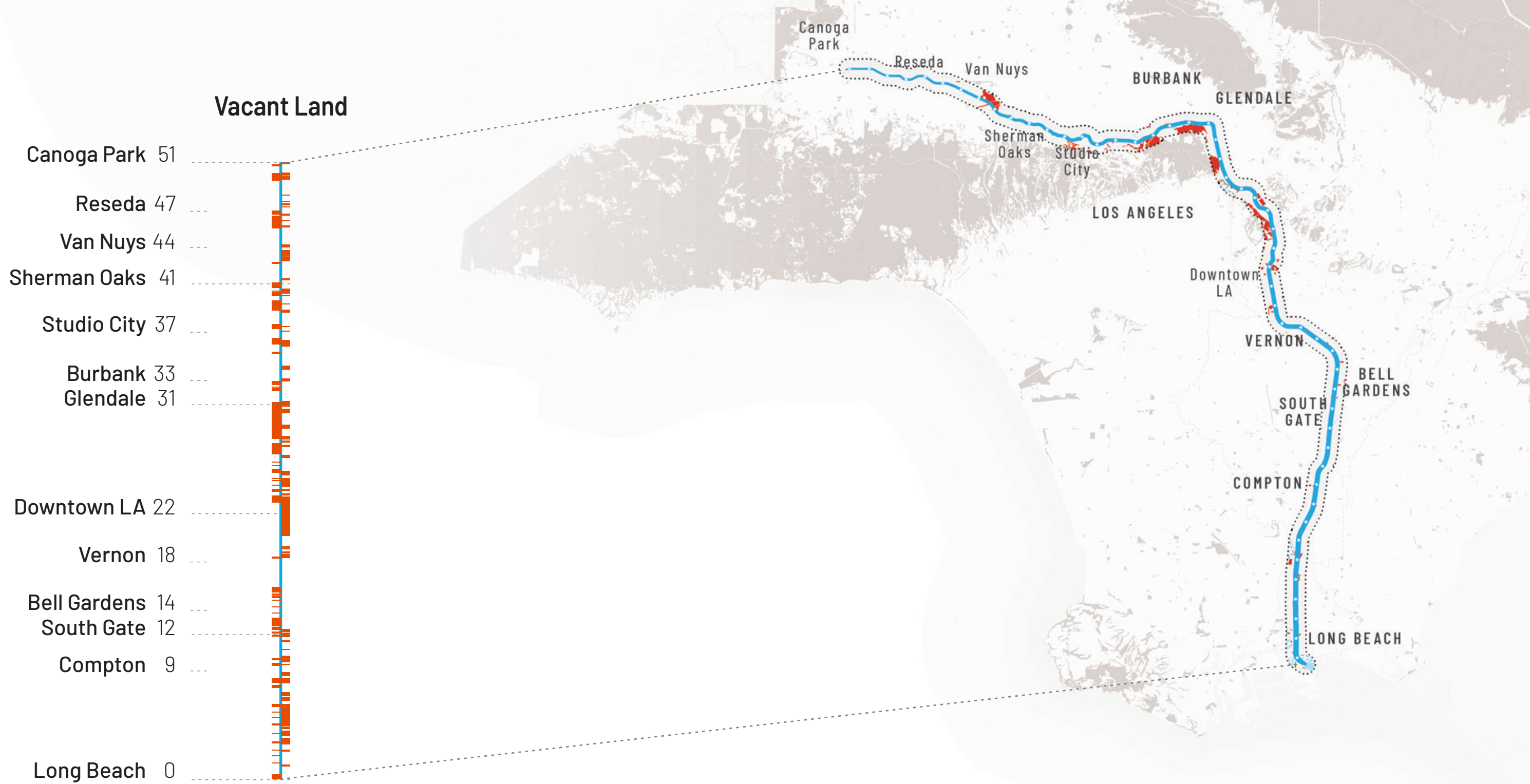


Source: OLIN



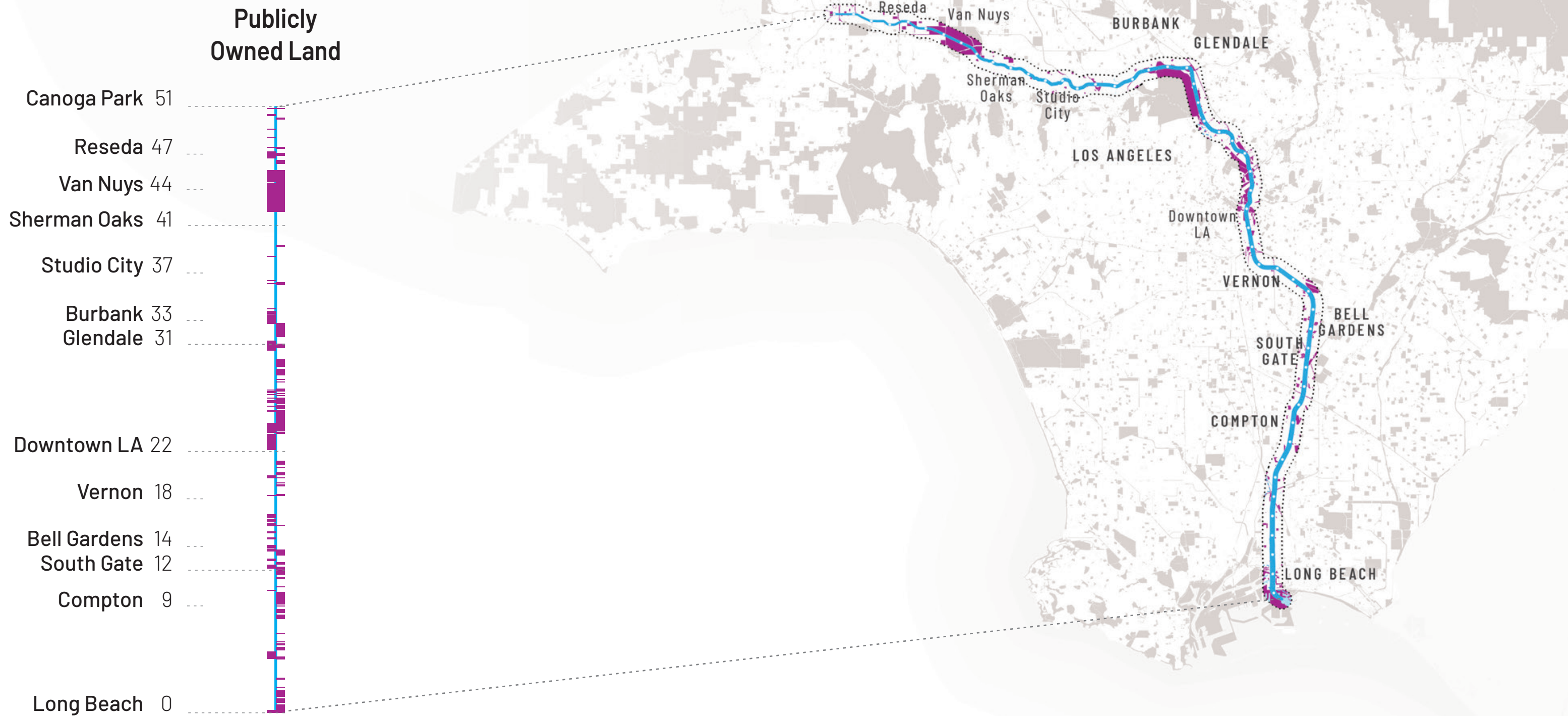
Source: OLIN

# IDENTIFY AREAS OF HIGHEST OPPORTUNITY

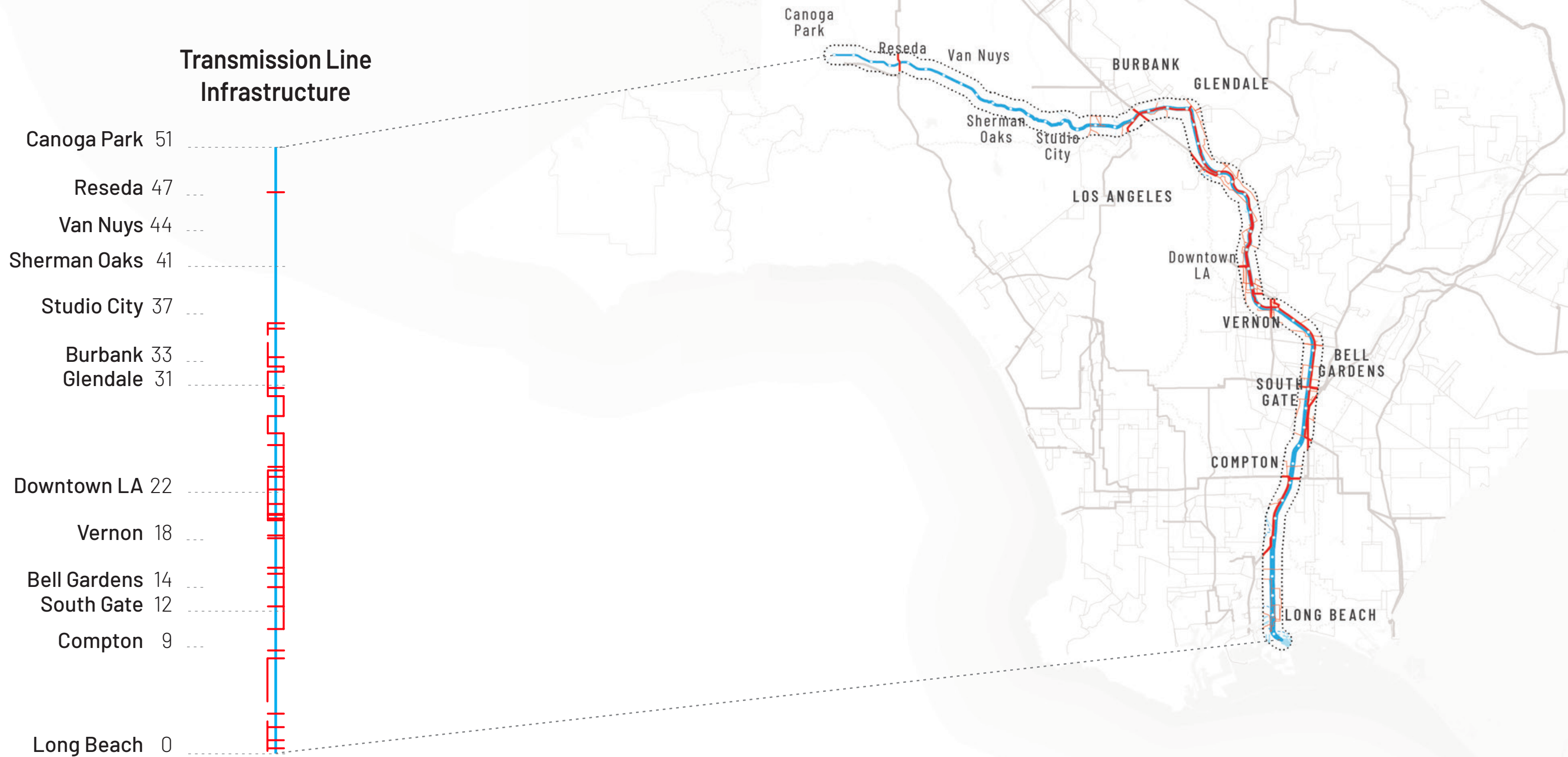




# IDENTIFY AREAS OF HIGHEST OPPORTUNITY

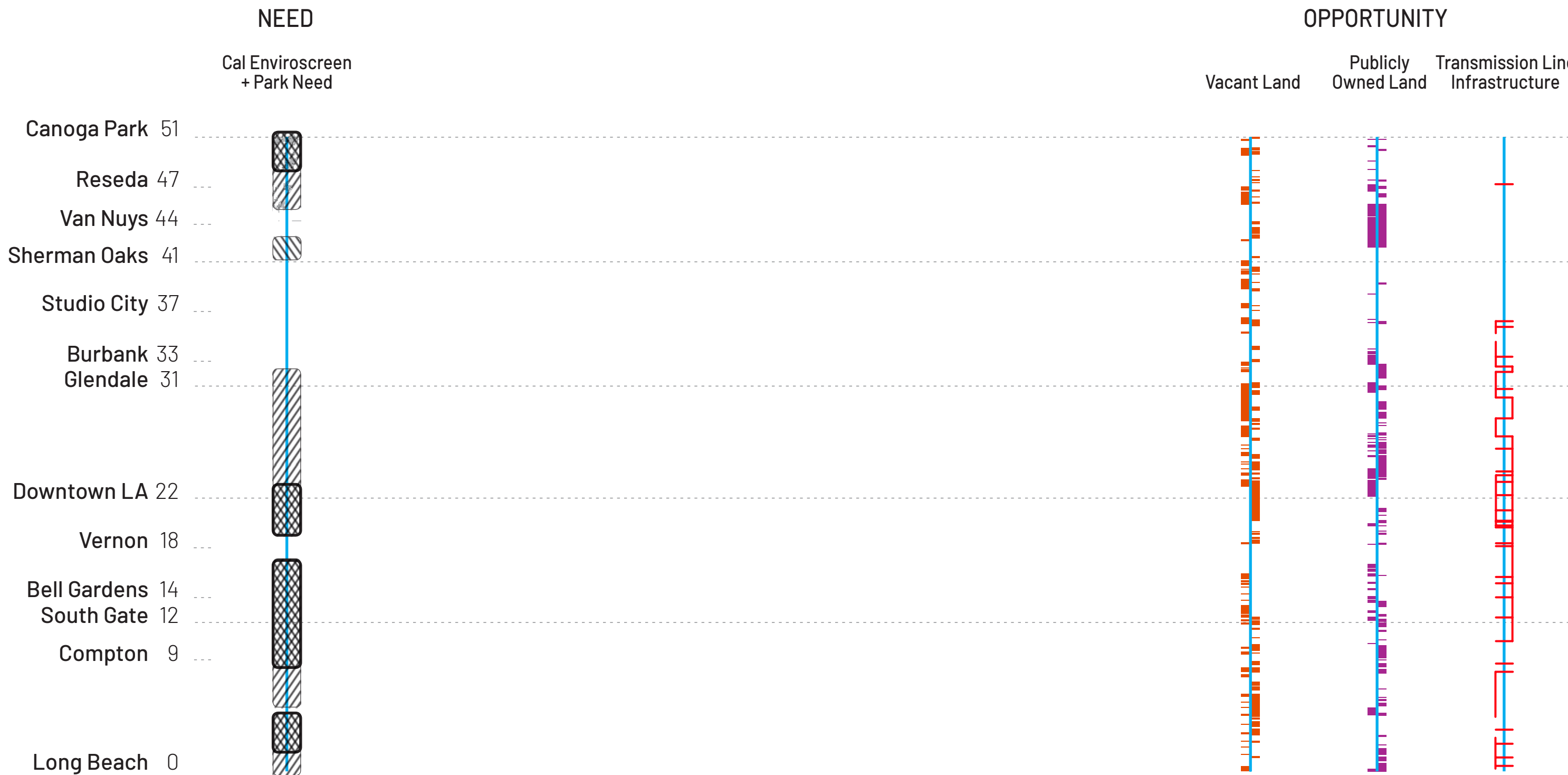


# IDENTIFY AREAS OF HIGHEST OPPORTUNITY

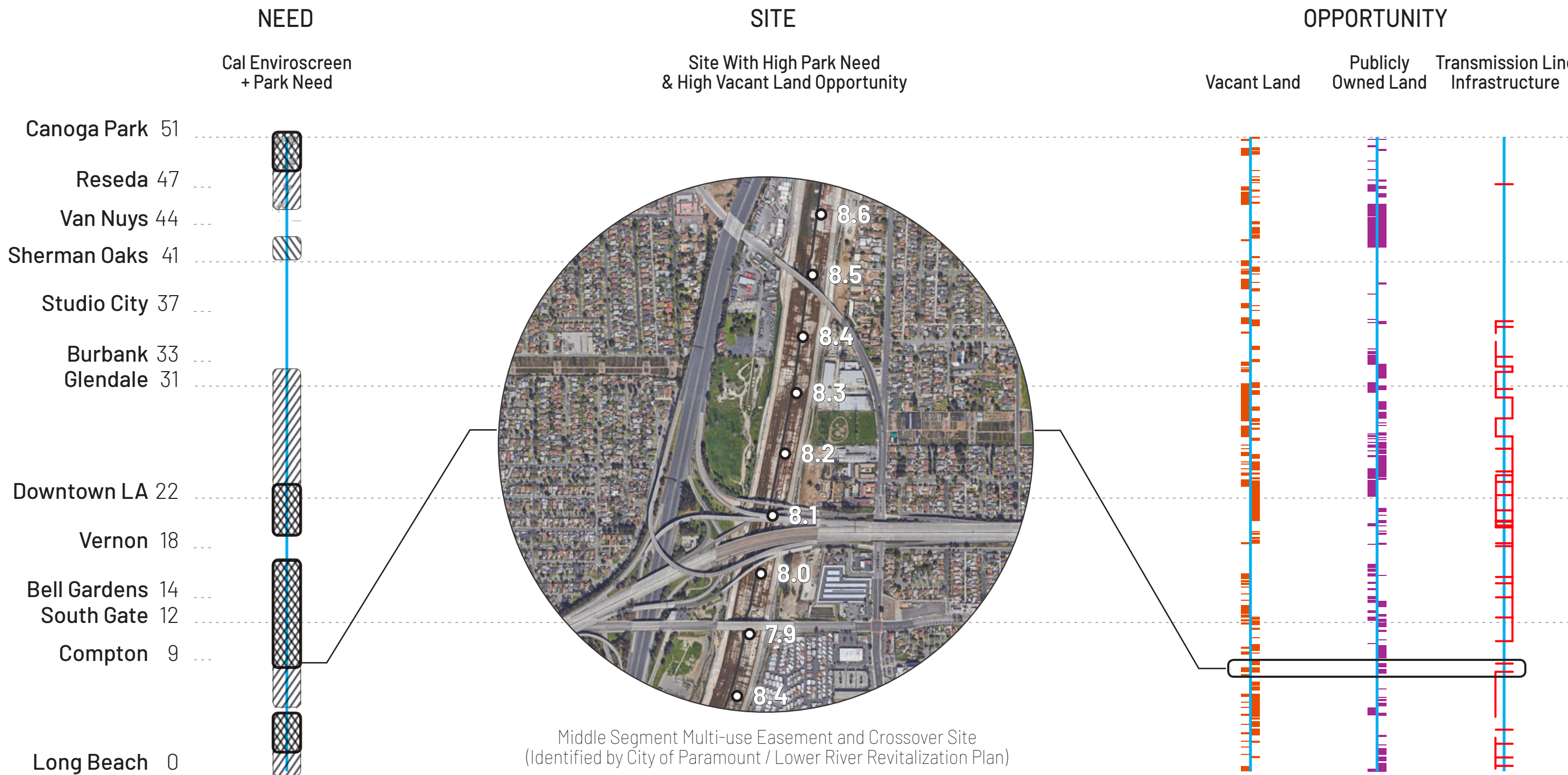




# COMPARE AREAS OF HIGHEST NEED & OPPORTUNITY



# COMPARE AREAS OF HIGHEST NEED & OPPORTUNITY





# CADENCE

Confirm projects are distributed along the river equally and vary in scale.

**XL**

ex: Regional Park, Water Recharge Area, Affordable Housing Development

**L**

ex: Community Park, Cultural Center

**M**

ex: Neighborhood Park, Housing, Community Center, Bridge

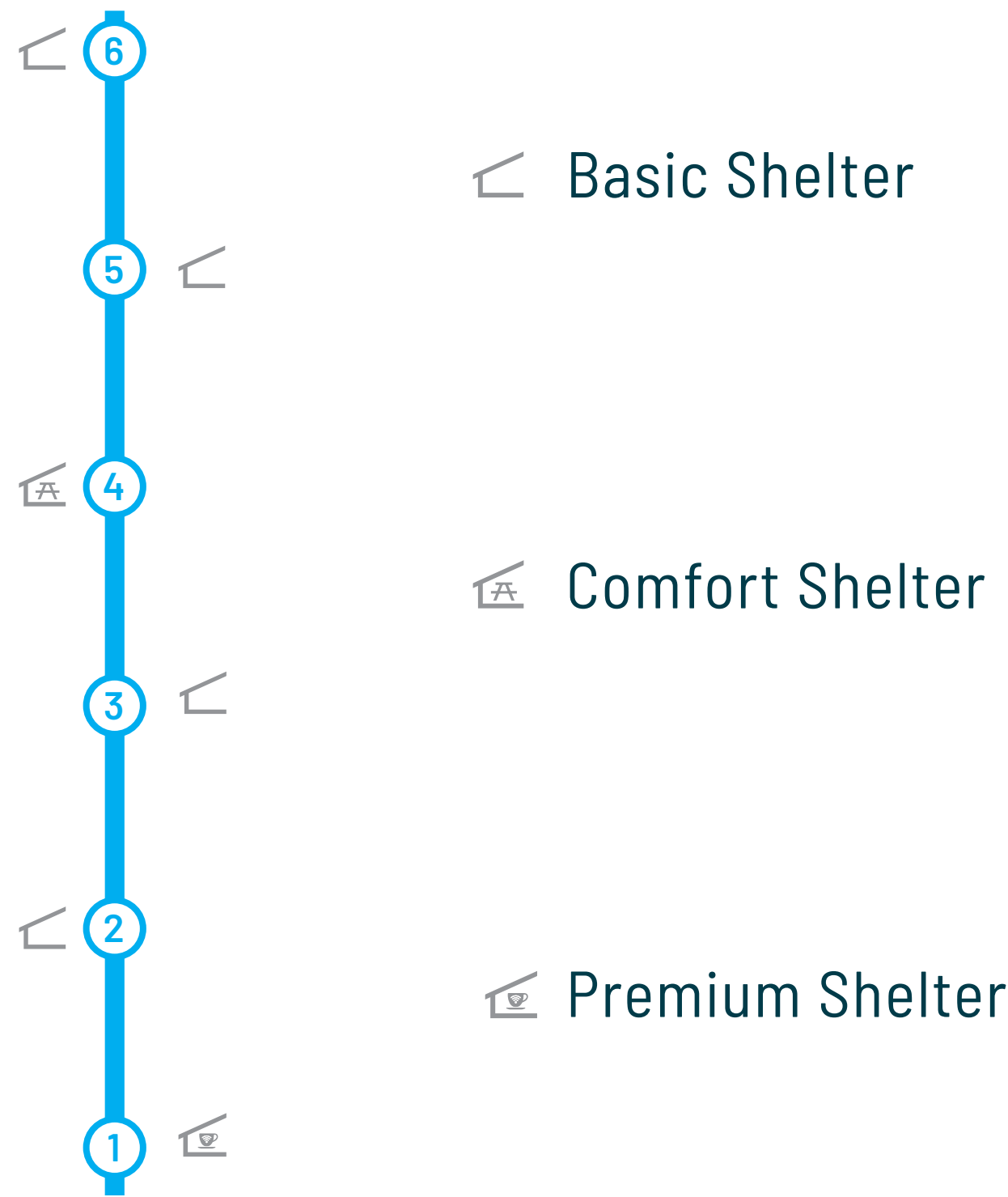
**S**

ex: Pocket Park, Park Node, Access Gateway, Restroom & Premium Shelter

**XS**

ex: Basic & Comfort Shelter, Lighting, Signage, Benches

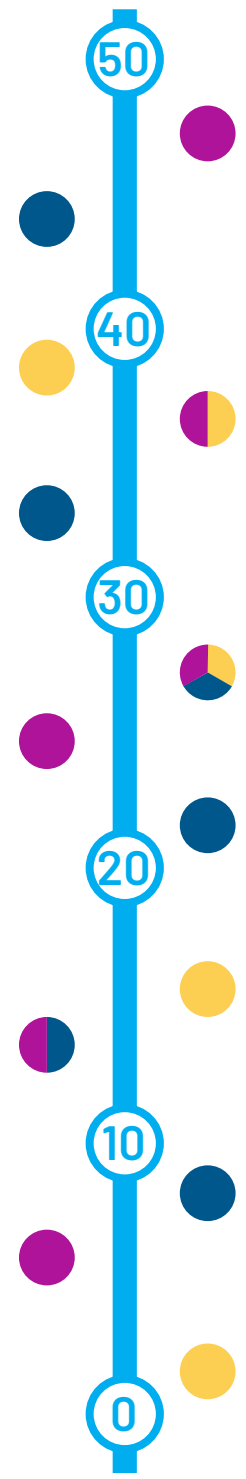
CADENCE: XS (EXTRA SMALL)



Source: OLIN



CADENCE: XL (EXTRA LARGE)



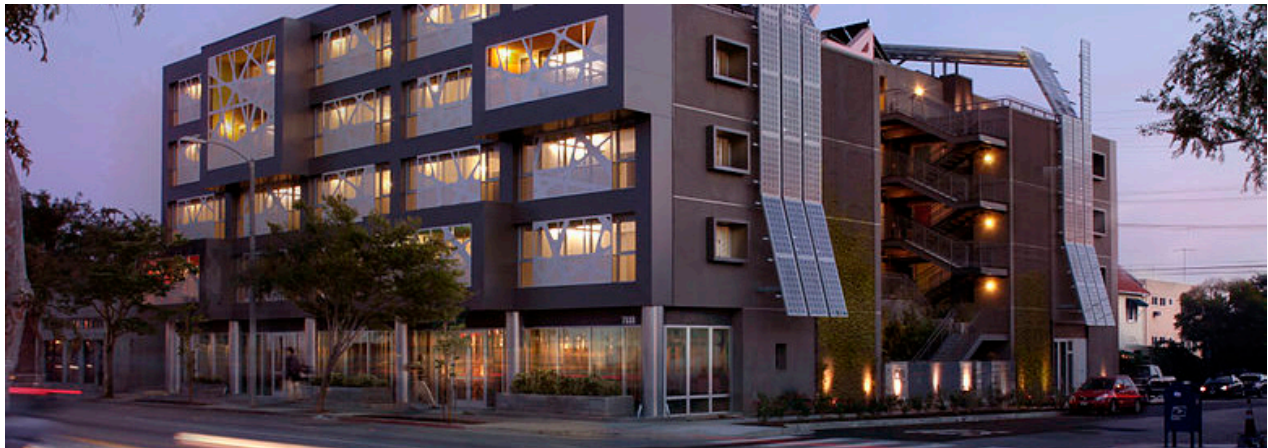
- Regional Park
- Water Recharge Project
- Affordable Housing Development



Source: USACE Los Angeles district, Paddle the LA River 2012



Source: Flickr, Bryan Fernandez, 2010. <https://www.flickr.com/photos/dailymatador/4492204629>



Source: Art Gray, 2010. Wikipedia. [https://en.wikipedia.org/wiki/File:Sierra\\_bonita\\_housing.jpg](https://en.wikipedia.org/wiki/File:Sierra_bonita_housing.jpg)

# CRITERIA FOR GAP ANALYSIS

	WATER SUPPLY	WATER QUALITY	FLOOD RISK
NEEDS	Continuous	Water Quality Priority EWMP/WMP Shortfall TMDL Composite	Flood Hazard Area Tsunami & Sea Level Rise Flood Control Structures Critical Infrastructure/Facilities
OPPORTUNITIES	Vacant Land Public Land Ownership Infrastructure ROW Recharge Area	Vacant Land Public Land Ownership Infrastructure ROW Stormwater Outfalls	Vacant Land Public Land Ownership Infrastructure ROW
CADENCE	Not Applicable	Continuous	Continuous



CRITERIA FOR GAP ANALYSIS

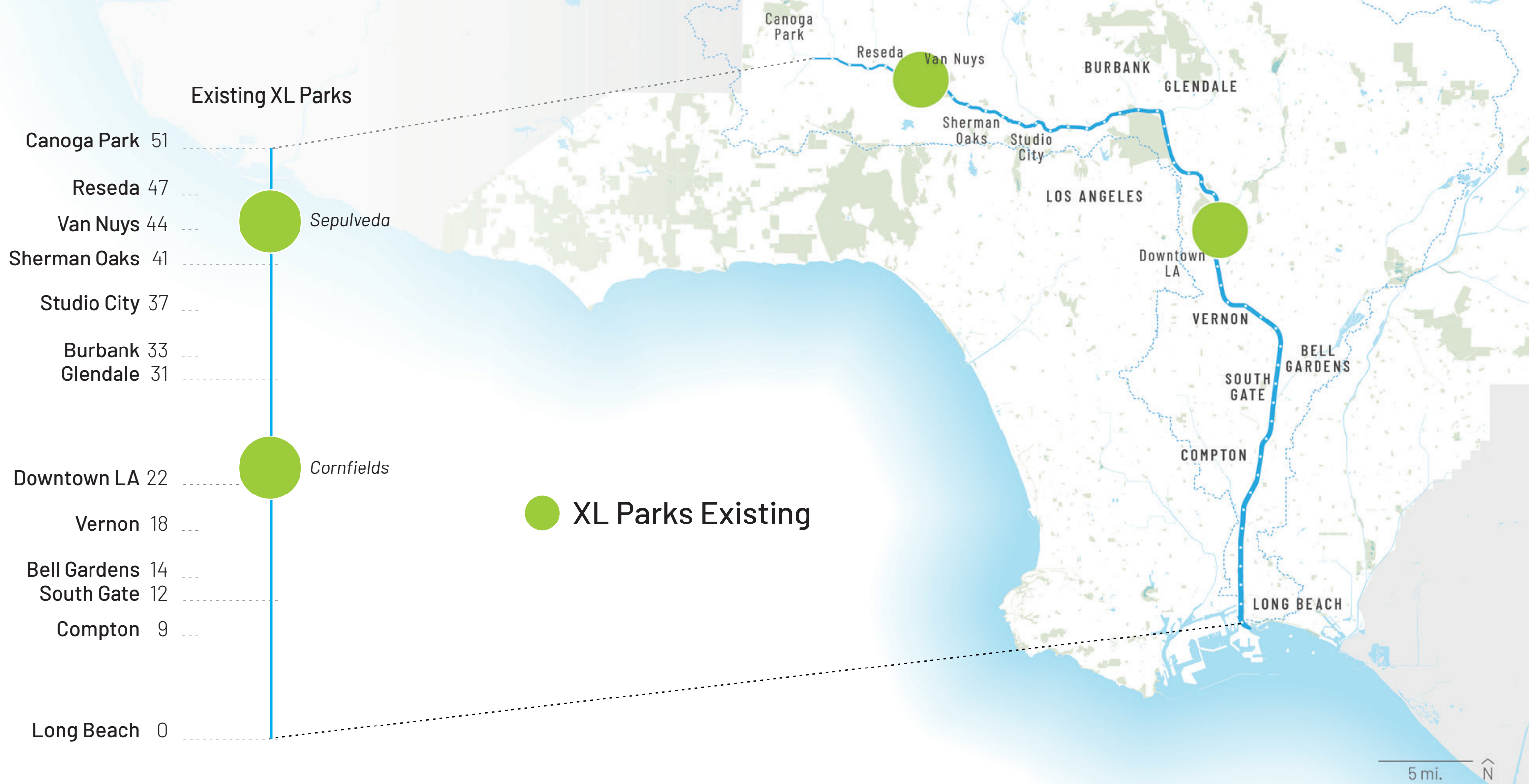
	PARKS	TRAILS/ACCESS	HABITAT	HOUSING
NEEDS	Parks Needs Assessment CalEnviroscreen Health Composite	Existing Trails Public Transit within 1 mi Health Composite	Species Observations Protected Areas CNDDDB Species Existing Vegetation	Displacement Risk % Home Ownership % Severely Rent Burdened
OPPORTUNITIES	Vacant Land Public Land Ownership Infrastructure ROW	Vacant Land Public Land Ownership Infrastructure ROW Floor Control Structures	Vacant Land Public Land Ownership Infrastructure ROW Tributary Confluences	Vacant Land Public Land Ownership
CADENCE	Park Classification	Continuous	Varies	By City

# CRITERIA FOR GAP ANALYSIS

	ART/CULTURE	EDUCATION
NEEDS		
OPPORTUNITIES		
CADENCE	Varies	Varies

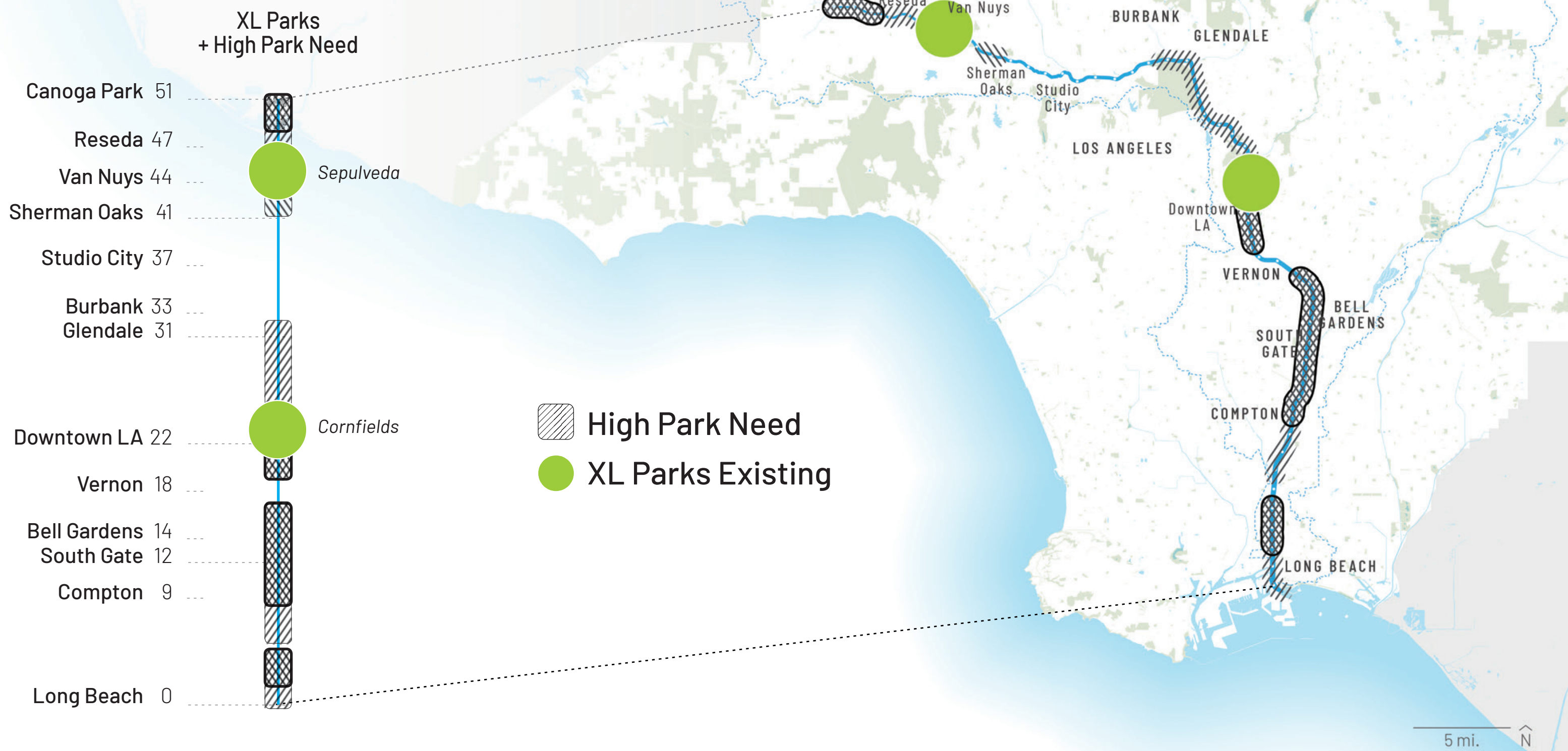


# EXISTING EXTRA LARGE PARKS (XL)



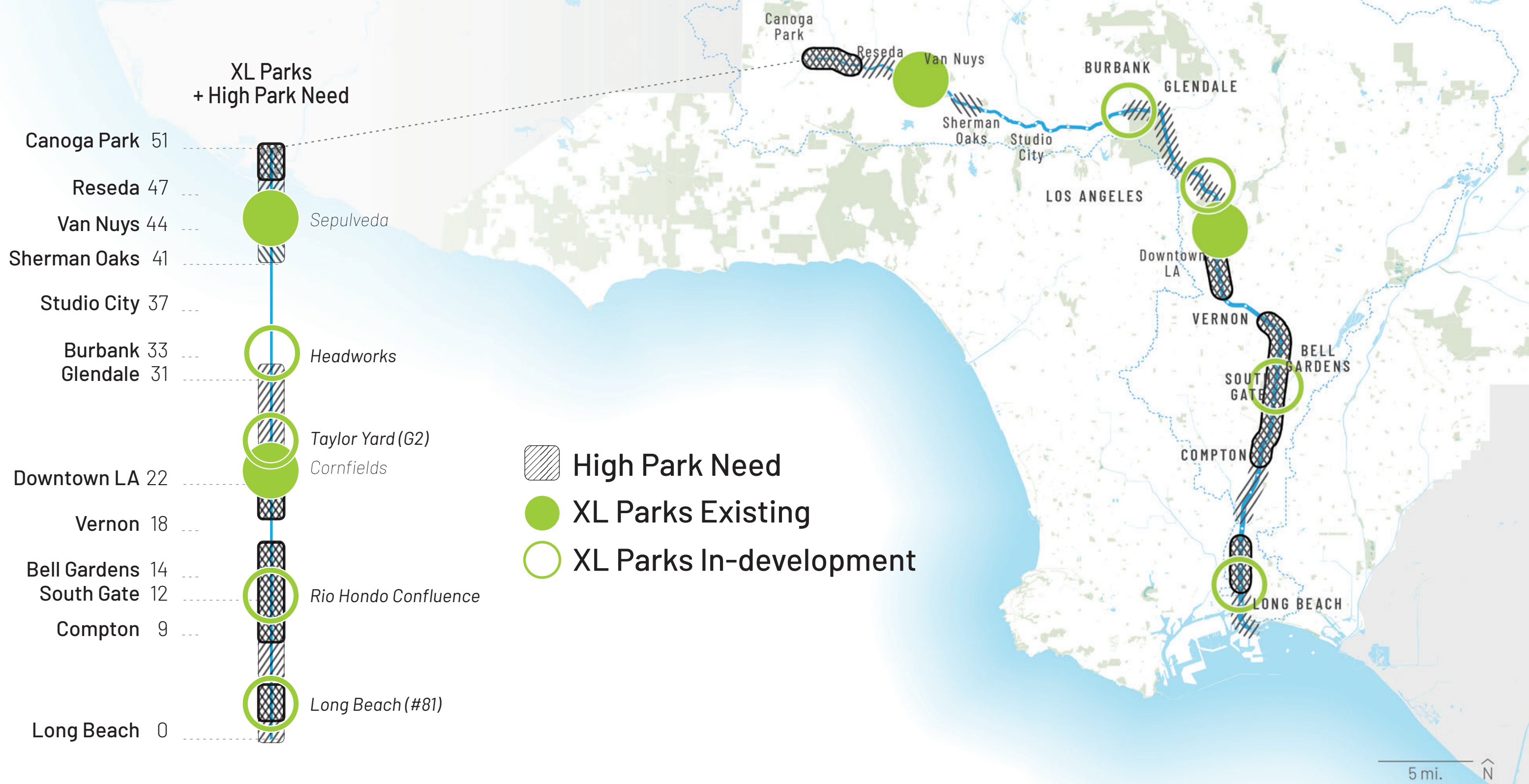
GEOGRAPHIC GAP ANALYSIS

PARK NEED



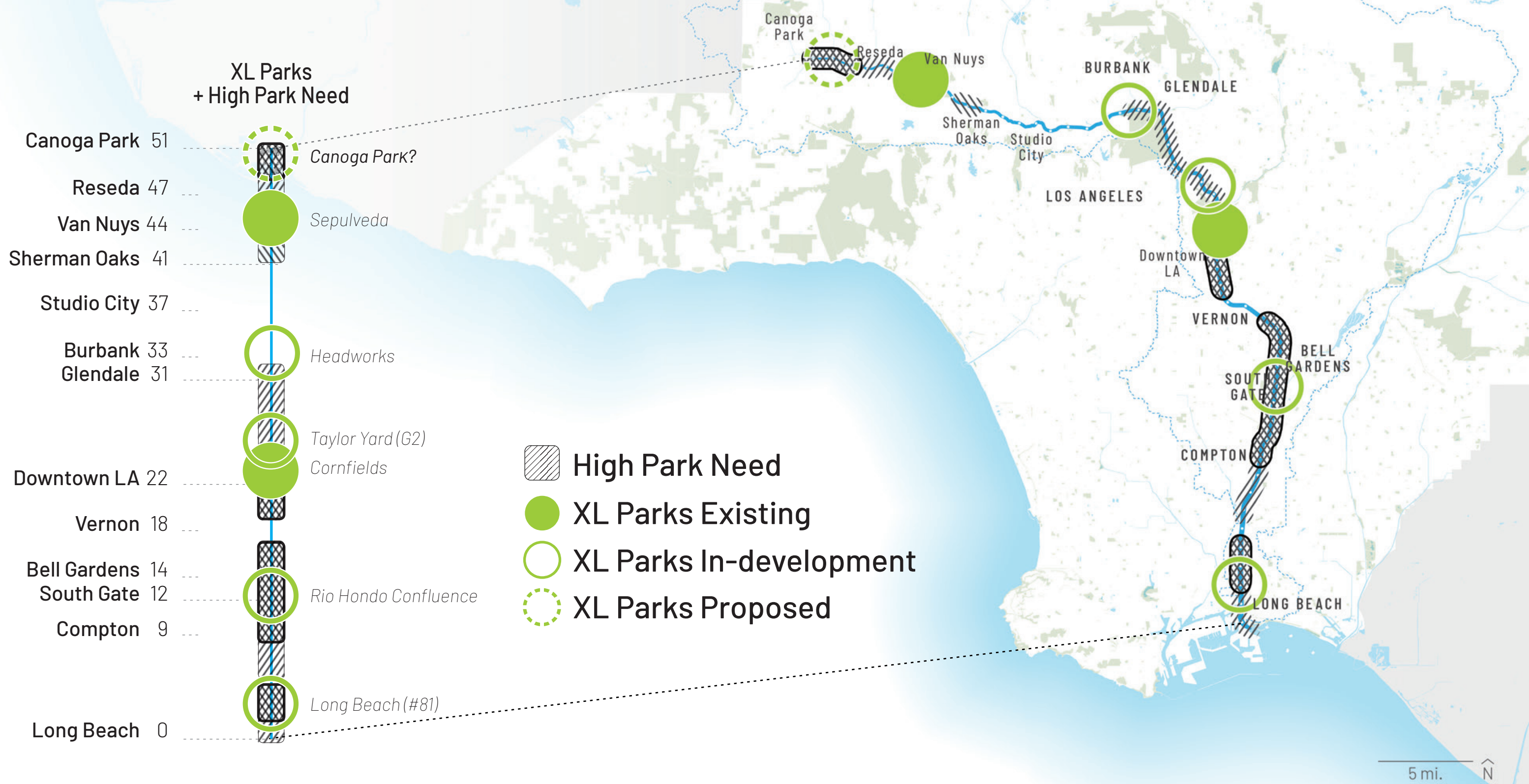


# EXTRA LARGE PARKS IN THE WORKS (XL)





# PROPOSED EXTRA LARGE PARKS (XL)





# Q & A AND DISCUSSION

Source: USACE, 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 (optional)
  - 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](mailto: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 Meetings:**

- Steering Committee Meeting #5 – April 10, 2019

## **Upcoming Community Engagement Meetings:**

- Community Meeting (Studio City/Burbank/Glendale) – December 13, 2018
- Community Meeting (Reseda) – February 2019
- Community Meeting (South Gate) – March 2019
- Community Meeting (Compton) – April 2019

### **INPUT, QUESTIONS, IDEAS?**

Contact Carolina Hernandez at (626) 458-4322  
or [LARiver@dpw.lacounty.gov](mailto:LARiver@dpw.lacounty.gov)



**[LARiverMasterPlan.org](http://LARiverMasterPlan.org)**

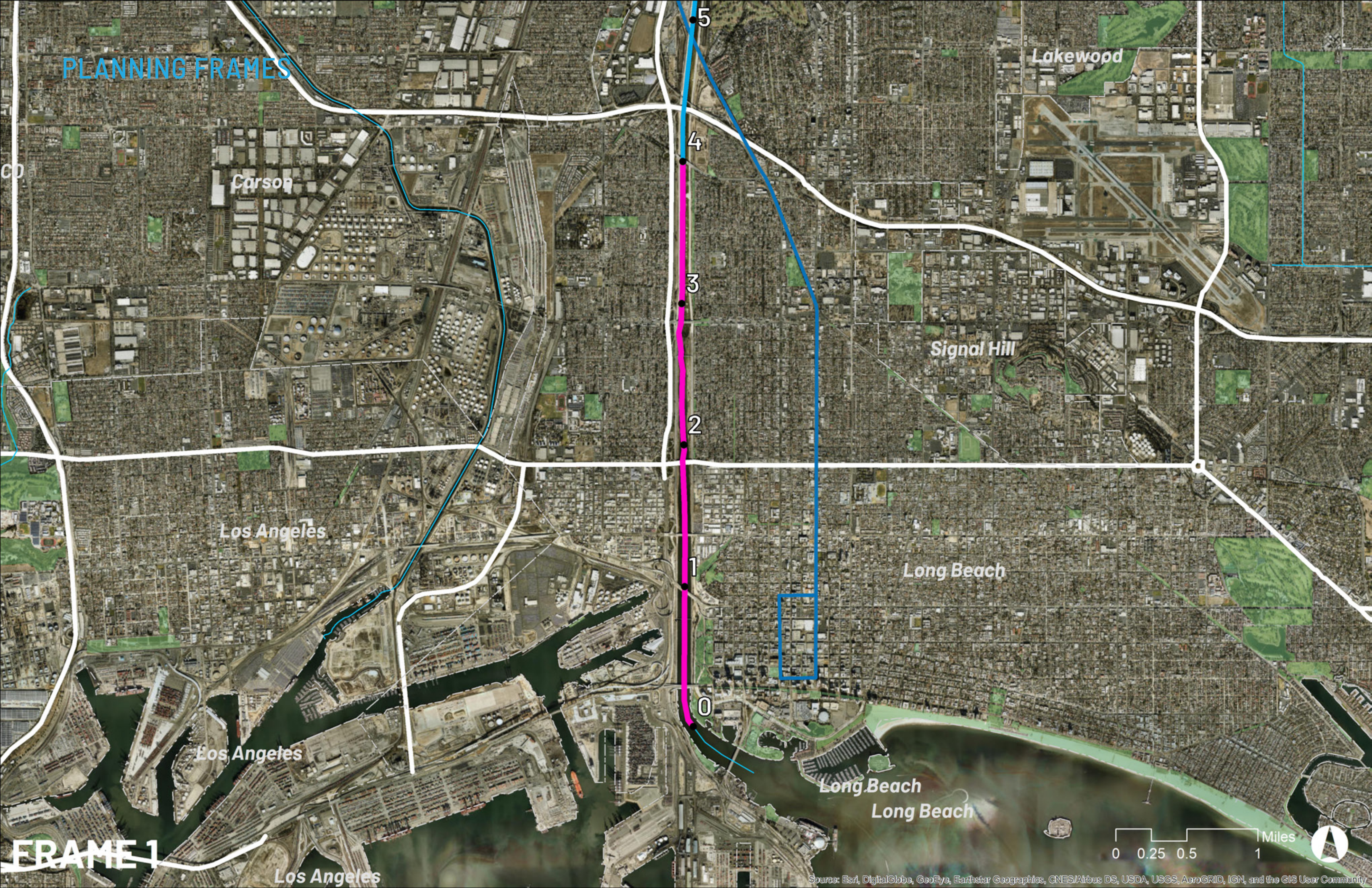


# APPENDIX





# PLANNING FRAMES



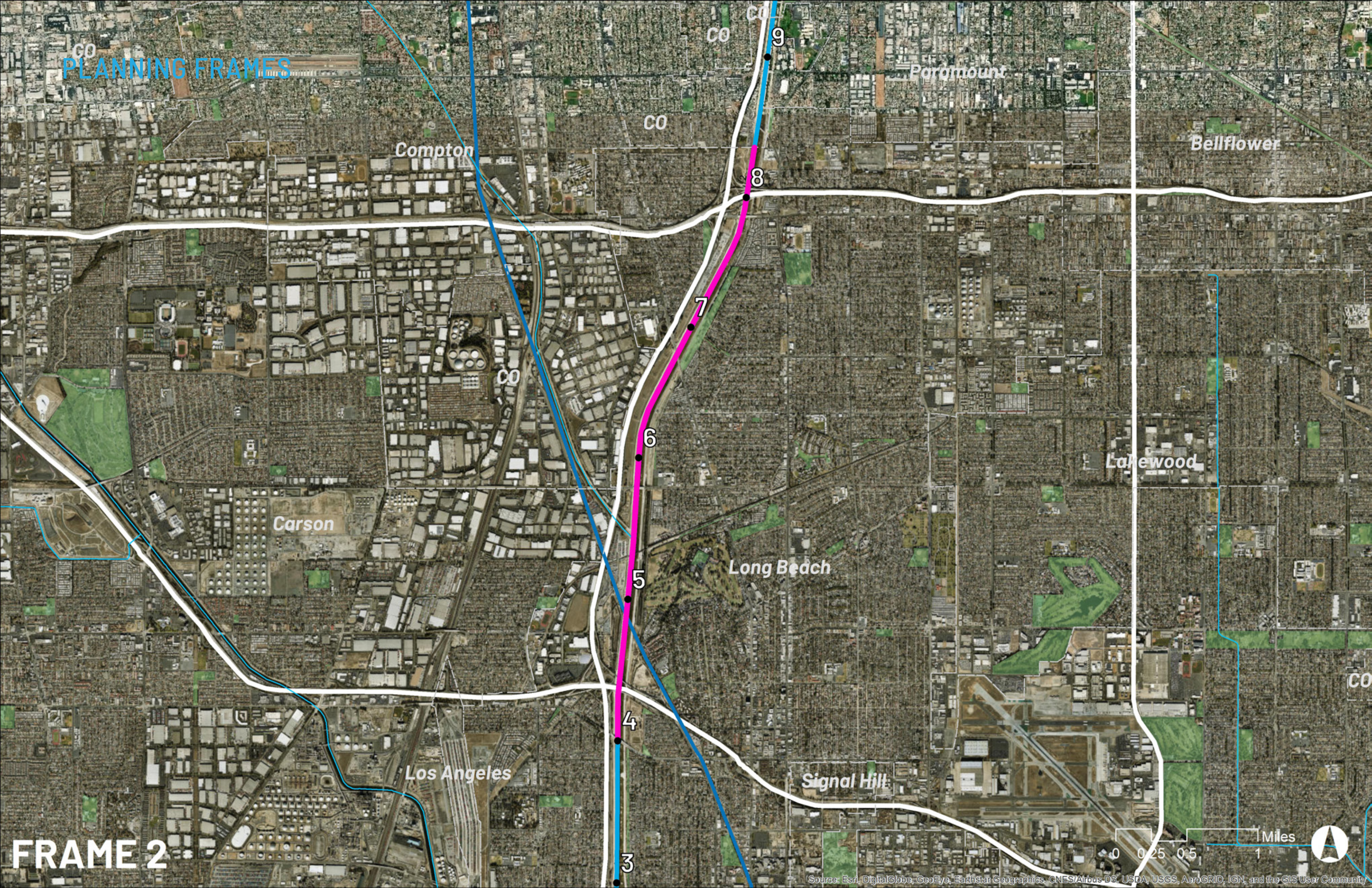
FRAME 1

0 0.25 0.5 1 Miles

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



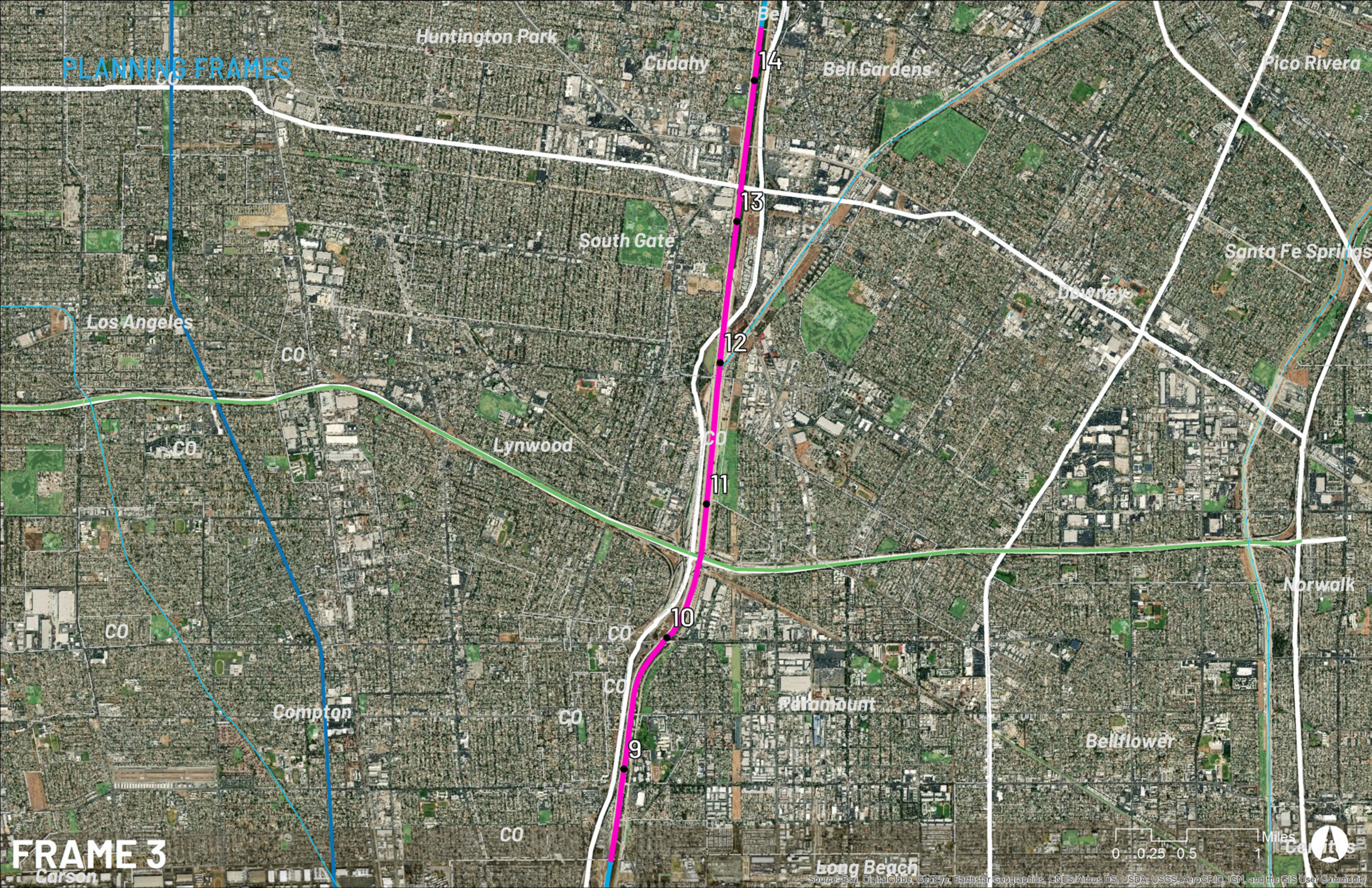
CO  
PLANNING FRAMES



FRAME 2



# PLANNING FRAMES



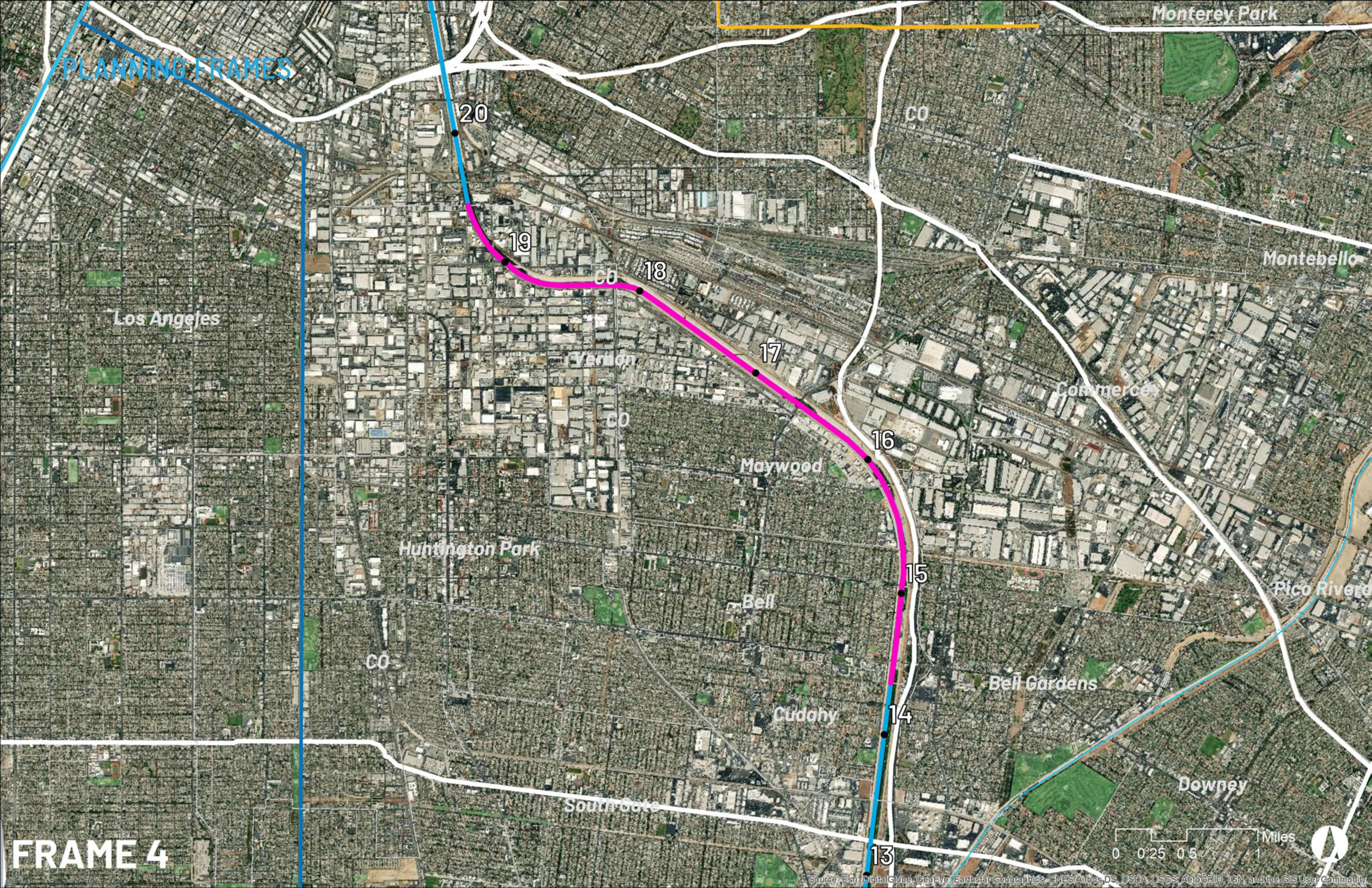
**FRAME 3**  
Carson



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



PLANNING FRAMES



FRAME 4

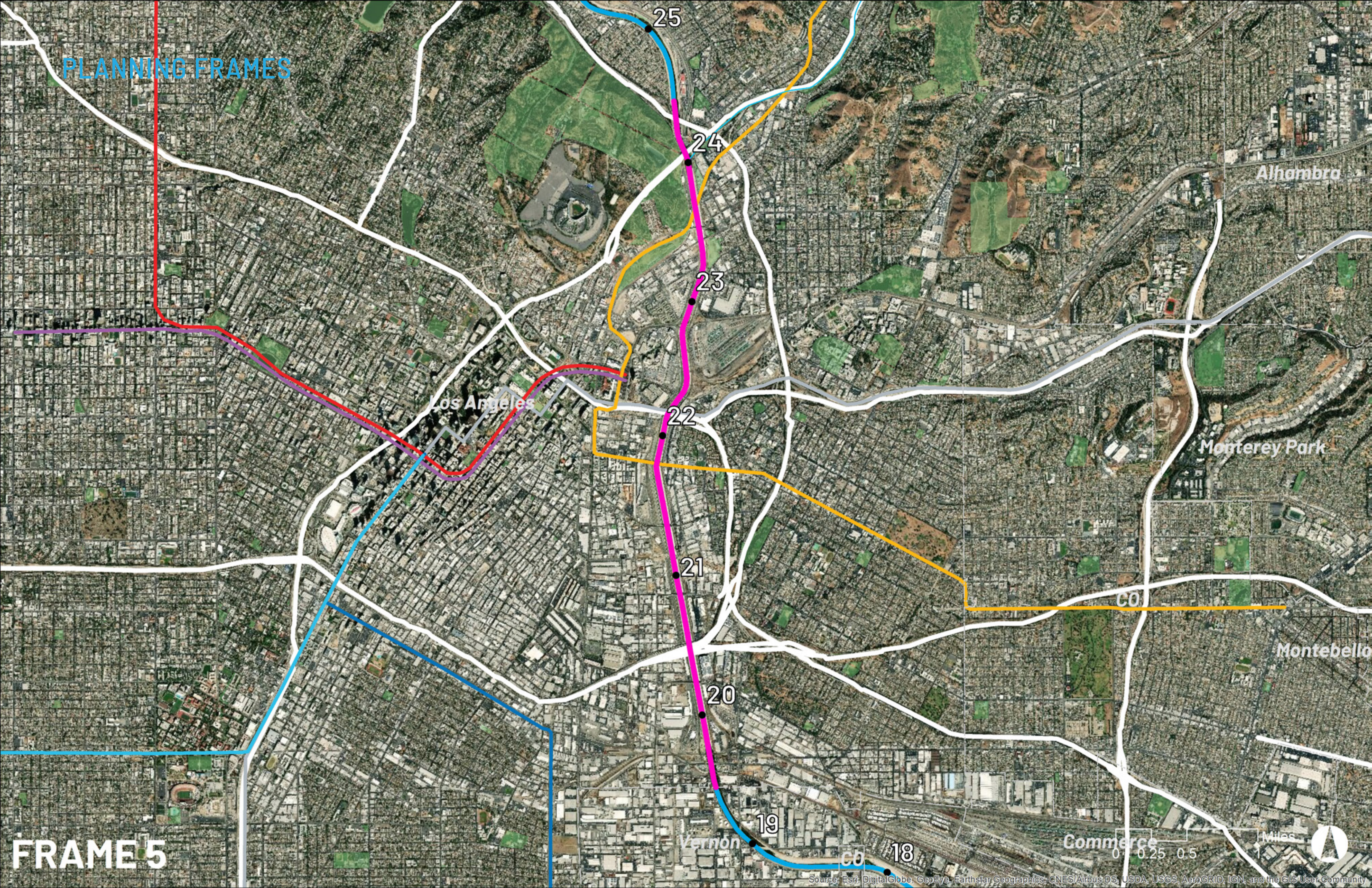
0 0.25 0.5 1 Miles



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



PLANNING FRAMES



Los Angeles

Alhambra

Monterey Park

Montebello

Commerce

Vernon

25

24

23

22

21

20

19

18

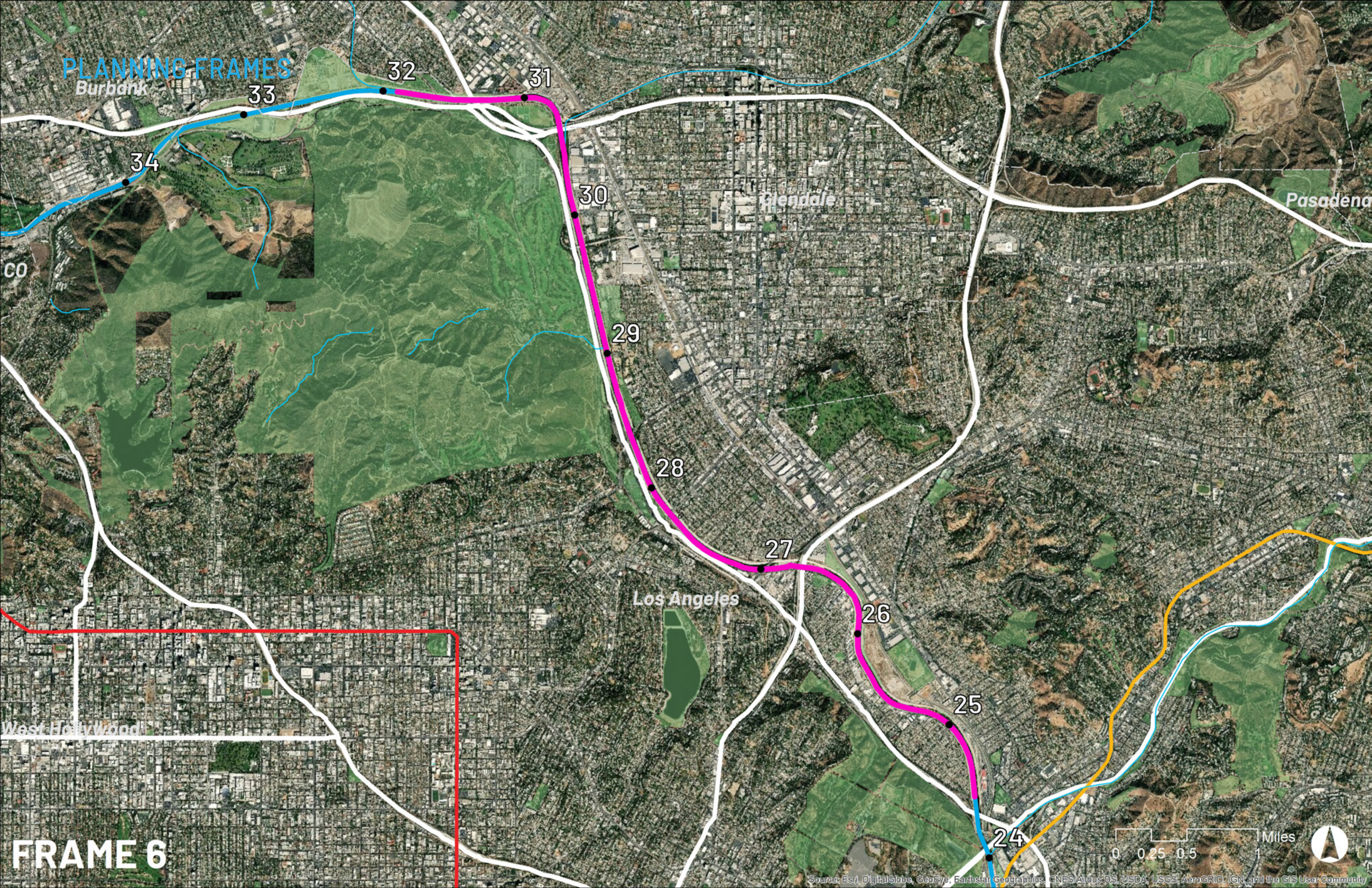
CO

CO

FRAME 5



PLANNING FRAMES  
Burbank



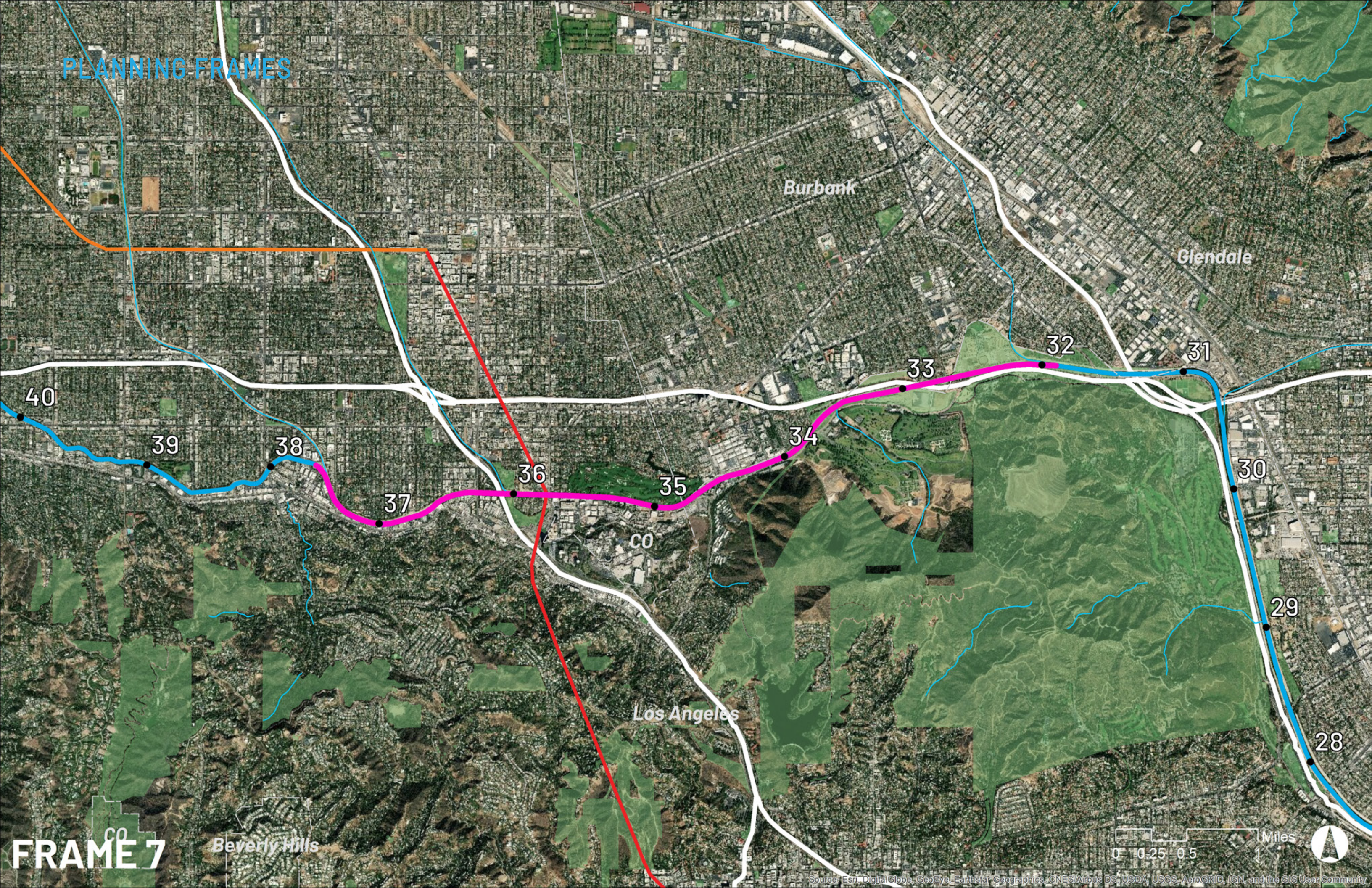
FRAME 6



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



PLANNING FRAMES



CO  
FRAME 7

Beverly Hills

Burbank

Glendale

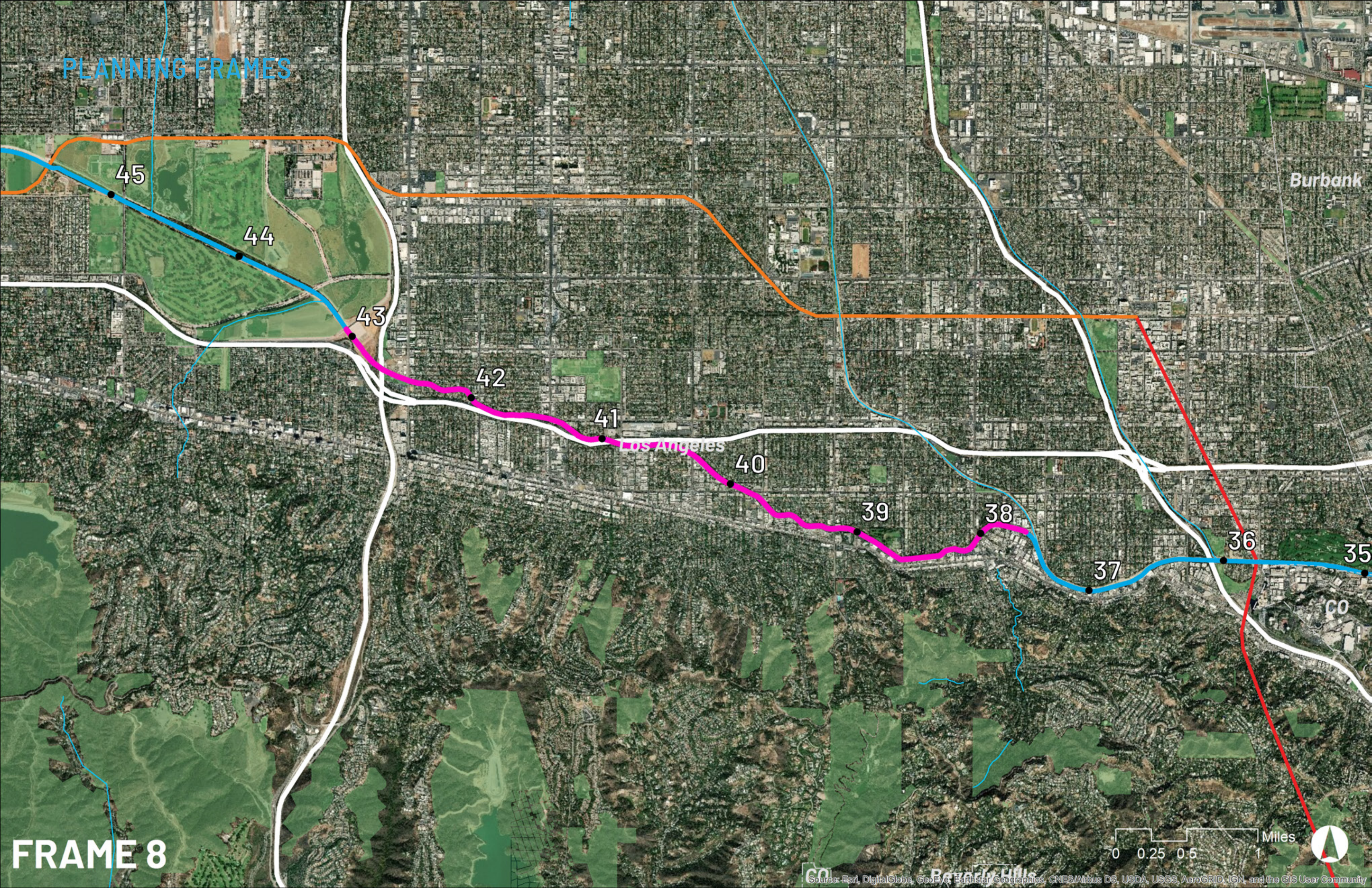
Los Angeles

CO





PLANNING FRAMES



45

44

43

42

41

40

39

38

37

36

35

Los Angeles

Burbank

CO

FRAME 8

0 0.25 0.5 1 Miles



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



PLANNING FRAMES

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Los Angeles

FRAME 9 CO



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



# RIVER RULERS DETERMINE FRAMES

