# LOS ANGELÉS RIVER MASTER PLAN UPDATE

Steering Committee Meeting #2



27 June 2018

### WELCOME



### **PURPOSE OF TODAY'S MEETING**



Discussions will be continued at Subcommittee meetings

WELCOME ENGAGEMENT UPDATE VISION AND GOALS INVENTORY & ANALYSIS PUBLIC COMMENT WRAP UP

### **MEETING AGENDA**

WEL	.COME	PUBLIC ENGAGEMENT UPDATE	DRAFT VISION AND GOALS	EXISTING CONDITIONS INVENTORY & ANALYSIS	PUBLIC COMMENT	WRAP UP
• Welcome	е	• Riverstory	<ul> <li>Presentation</li> </ul>	• Presentation	• Verbal Comments	<ul> <li>Important Upcoming Dates</li> <li>September Agenda Overview</li> <li>Community Outreach Activities</li> </ul>
<ul> <li>Meeting and Ager</li> <li>Roundta Introduc</li> <li>Protocol</li> </ul>	nda ble	<ul> <li>Updates and Upcoming Dates for Activities</li> <li>Discussion/Q&amp;A</li> </ul>	• Discussion/Q&A	• Discussion/Q&A	<ul> <li>Comment Cards</li> <li>Email Comments         Anytime to LARiver@         dpw.lacounty.gov     </li> </ul>	
						• Project Outlook

INPUT, QUESTIONS, IDEAS?

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

WELCOME ENGAGEMENT UPDATE VISION AND GOALS INVENTORY & ANALYSIS PUBLIC COMMENT

# PUBLIC ENGAGEMENT UPDATE



VELCOME ENGAGEMENT UPDATE VISION AND GOALS INVENTORY & ANALYSIS PUBLIC COMMENT WRAP UP





ELCOME ENGAGEMENT UPDATE VISION AND GOALS INVENTORY & ANALYSIS PUBLIC COMMENT WRAP UP



VELCOME ENGAGEMENT UPDATE VISION AND GOALS INVENTORY & ANALYSIS PUBLIC COMMENT WRAP UP





### LA RIVER MASTER PLAN COMMUNITY MEETING

**CANOGA PARK** 



#### 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: Wednesday, July 25, 2018

Time: 6 - 8 pm

Location: Canoga Park High School Cafeteria

6850 Topanga Canyon Blvd., Canoga Park, CA 9130

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

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

LARiverMasterPlan.org/communitymeeting

/ELCOME ENGAGEMENT UPDATE VISION AND GOALS INVENTORY & ANALYSIS PUBLIC COMMENT WRAP UP



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### PREVIOUS PLANNING

1996 LOS ANGELES COUNTY LA RIVER MASTER PLAN

"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."

-Mission Statement from the 1996 Master Plan



MASTER PLAN June 1996

Los Angeles County Departments of

Public Works Hacry W. Stone, Director

Parks and Recreation Rodney E. Cooper, Director

> Regional Planning James Harth, Director

Nutional Purks Service Rivers, Trails and Conservation Assistance Program

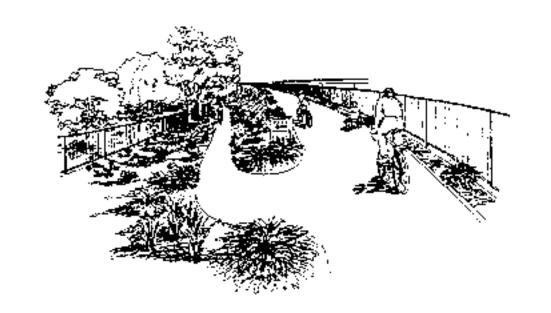
and the Los Angeles River Advisory Committee

Source: http://ladpw.org/wmd/watershed/la/larmp/

WELCOME ENGAGEMENT UPDATE VISION AND GOALS INVENTORY & ANALYSIS PUBLIC COMMENT WRAP UP

### 1996 MASTER PLAN GOALS

- Ensure flood control and public safety needs are met.
- Improve the appearance of the river and the pride of local communities in it.
- Promote the river as an economic asset to the surrounding communities.
- Preserve, enhance and restore environmental resources in and along the river.
- Consider stormwater management alternatives.
- Ensure public involvement and coordinate Master Plan development and implementation among jurisdictions.
- Provide a safe environment and a variety of recreational opportunities along the river.
- Ensure safe access to an compatibility between the river and other activity centers.



### **DRAFT VISION**

LOS ANGELES RIVER MASTER PLAN UPDATE 2020

# A reimagined River to connect and serve the diverse communities of LA County.

WELCOME

ENGAGEMENT UPDATE

### DRAFT MISSION STATEMENT

LOS ANGELES RIVER MASTER PLAN UPDATE 2020

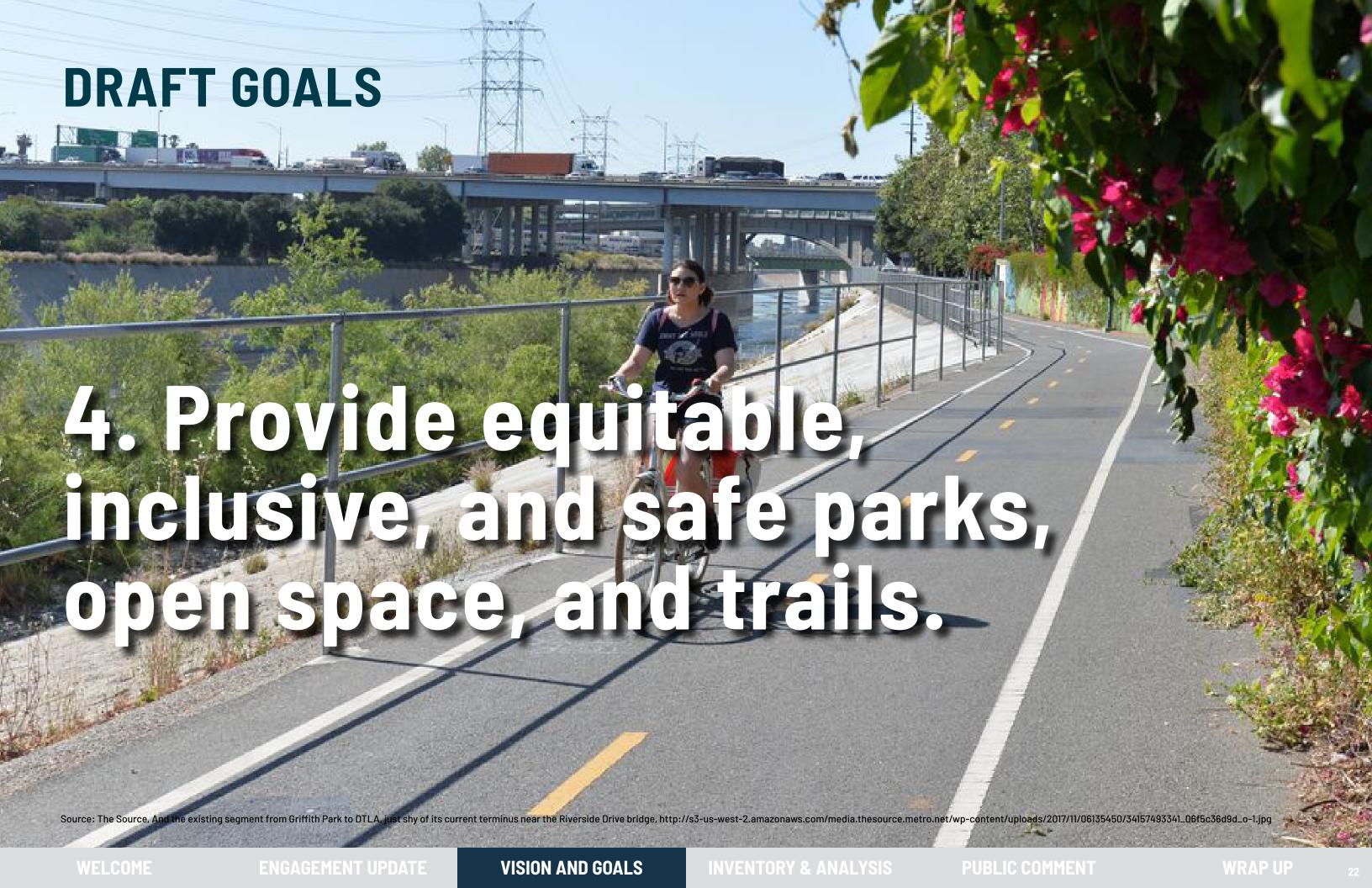
The Los Angeles River Master Plan Update builds on over two decades of planning efforts to create a 51-mile connective corridor of parks and trails, cultural resources, recreation opportunities, and environmental systems that enrich the quality of life and improve the health of residents, while providing flood risk management.



**VISION AND GOALS** 







### **DRAFT GOALS**

5. Support healthy, connected ecosystems.

WELCOME ENGAGEMENT UPDATE VISION AND GOALS INVENTORY & ANALYSIS PUBLIC COMMENT WRAP UP





# INVENTORY AND ANALYSIS Source: USCAE, 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

### **KNOWN PROJECTS INVENTORY**

More than

1500

PROJECTS MAPPED

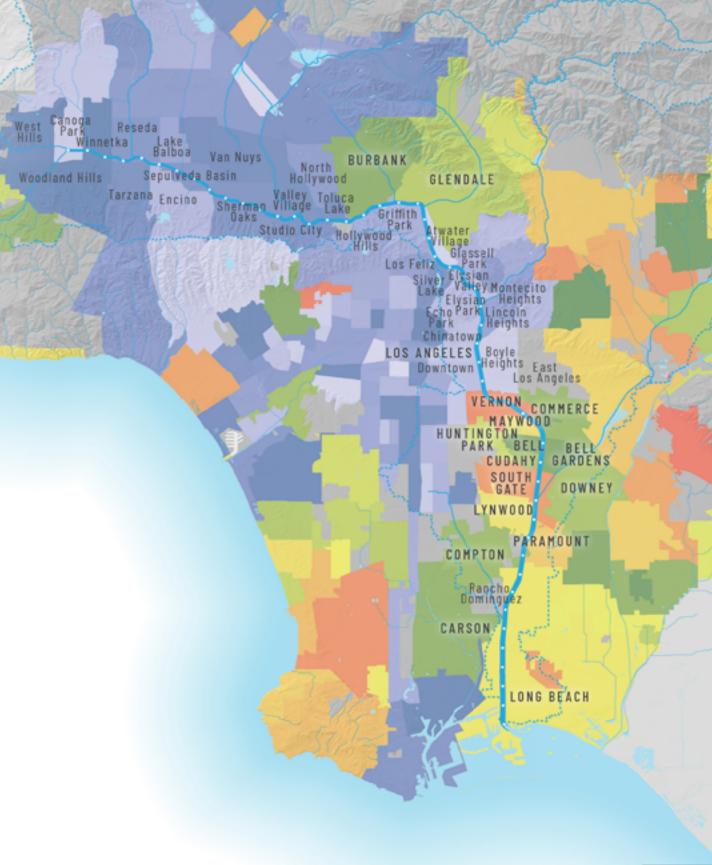
- **400 Stormwater Conveyance**
- 275 Detention Basin
- 140 **High Speed Transit**
- 127 Stormwater Retrofit
- 91 Green Street
- 67 Park
- **66 Regional Subsurface BMP**
- 49 Urban Runoff Diversion to Sanitary Sewer
- **37 Trails/Active Transport**
- **36 Water Distribution System**
- 33 Dam/Basin Restoration/ Improvement
- 33 Spreading Ground/Basin
- 26 Stream/Creek Restoration
- 26 Education/Outreach
- 19 Access Improvement
- 19 Bridge/Crossing
- 16 Water Treatment Facility/Process

- 13 Park Expansion/Enhancement
- 11 Habitat/Ecosystem Restoration
- 10 Wetland
- 10 **Dam**
- **6 Climate Resiliency Retrofit**
- 4 Bioswale
- **4 Median Strip Retrofit**
- **3 Freeway or Road Widening**
- **3 Rubber Dam**
- **3 Catch Basin Screen**
- 3 Invasives/Non-Native Vegetation Removal
- 2 Biofilter
- **2 Wellfield Improvement**
- 2 Urban Agriculture
- **2 Nature Preservation**
- 1 Water Wheel
- 1 SWCP

WELCOME ENGAGEMENT UPDATE

INVENTORY & ANALYSIS

THERE ARE 17 CITIES, 23 CITY OF LA NEIGHBORHOODS, AND 6 UNINCORPORATED AREAS WITHIN ONE MILE OF THE **LA RIVER** 



## THE LA RIVER IS 51 MILES LONG





### THERE ARE 13 DISTINCT DESIGN REACHES

### Classification:

M, Mile 47.4 to 51.0

L, Mile 45.6 to 47.2

K, Mile 43.4 to 45.4

J, Mile 37.8 to 42.7

I, Mile 33.9 to 37.5

H, Mile 32.0 to 33.8

G, Mile 31.1 to 31.8

F, Mile 24.5 to 30.3

E, Mile 19.8 to 23.9

D, Mile 18.9 to 19.7

C, Mile 12.8 to 18.8

B, Mile 3.0 to 11.9

A, Mile 0.0 to 2.8

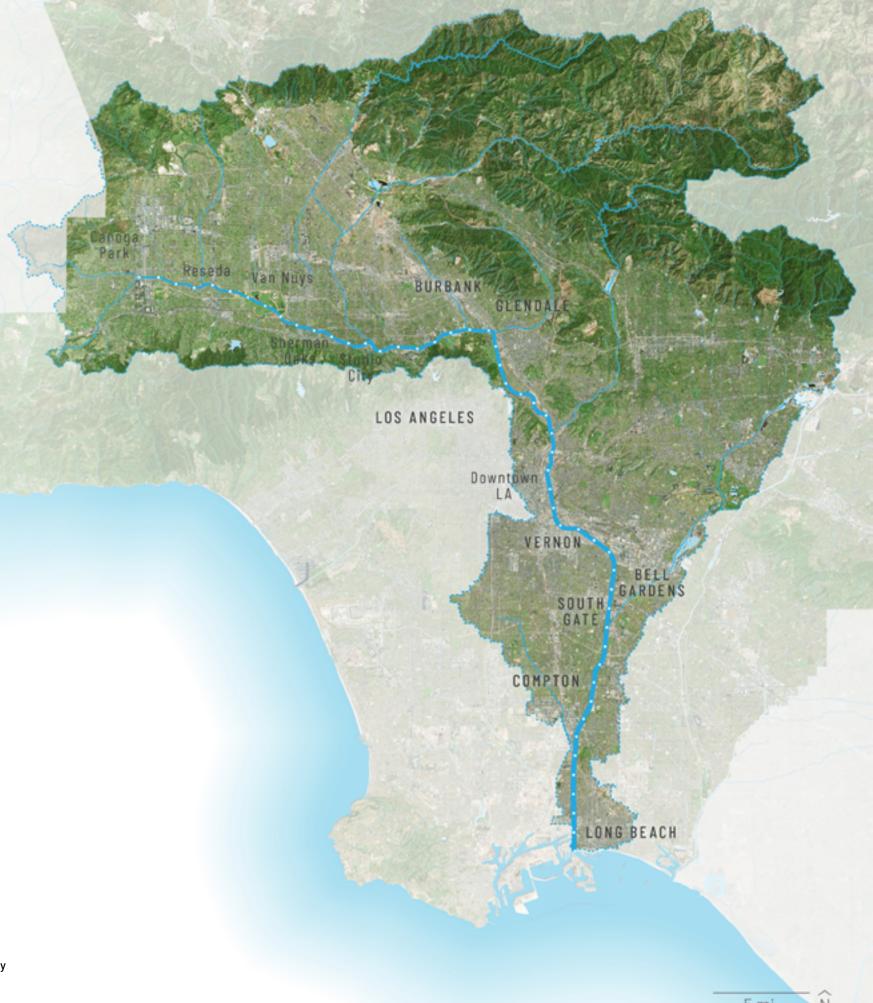
Transition





**HYDROLOGY** 

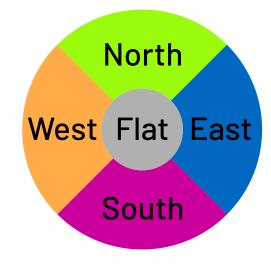
### THE LA RIVER DRAINS A 834 SQ. MI. WATERSHED

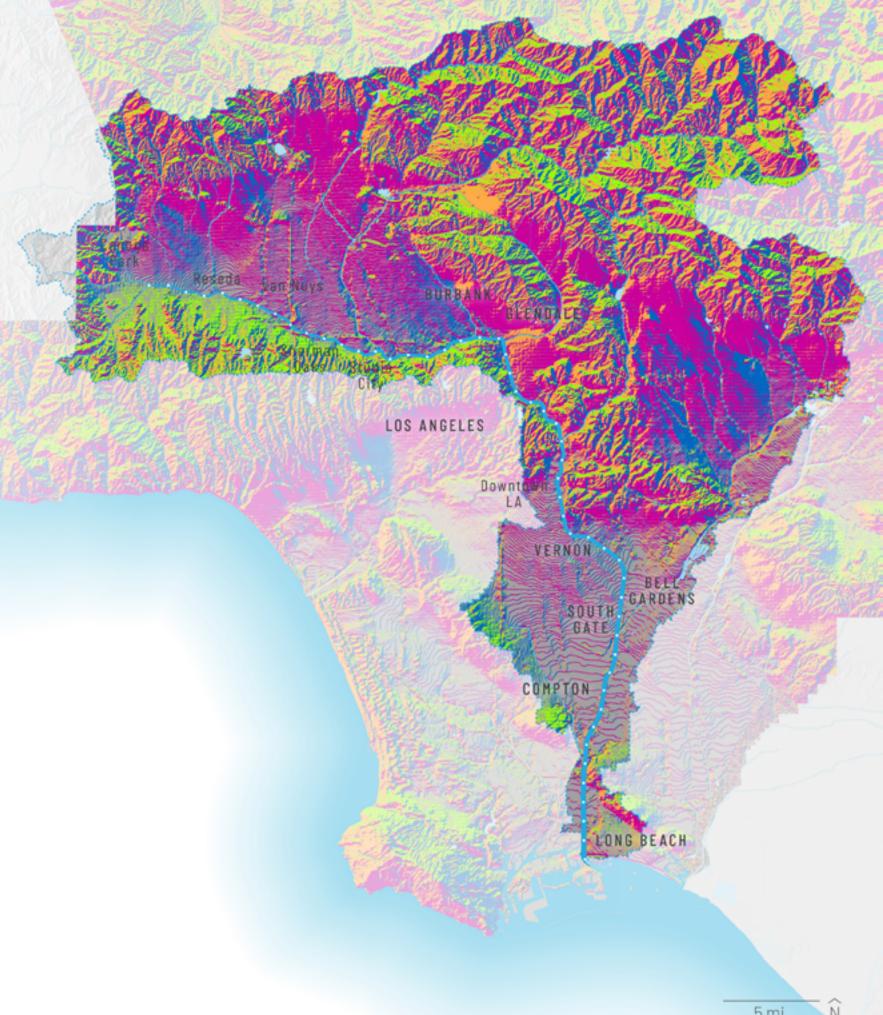


### **HYDROLOGY**

### **SLOPES IN THE UPPER RIVER TEND TO** BE NORTH/SOUTH

### Slope Aspect





**HYDROLOGY** 

# THE LA RIVER DROPS 780 FEET IN JUST 51 MILES

High (7,103 ft)

Low (0 ft)

780 ft

0 ft



Source: U.S. Geological Survey, 2013, USGS NED 1 arc-second 2013

**FOOTHILLS** 



### LA COUNTY MEAN ANNUAL **PRECIPITATION**



High (52.5 in / 1332.3 mm)

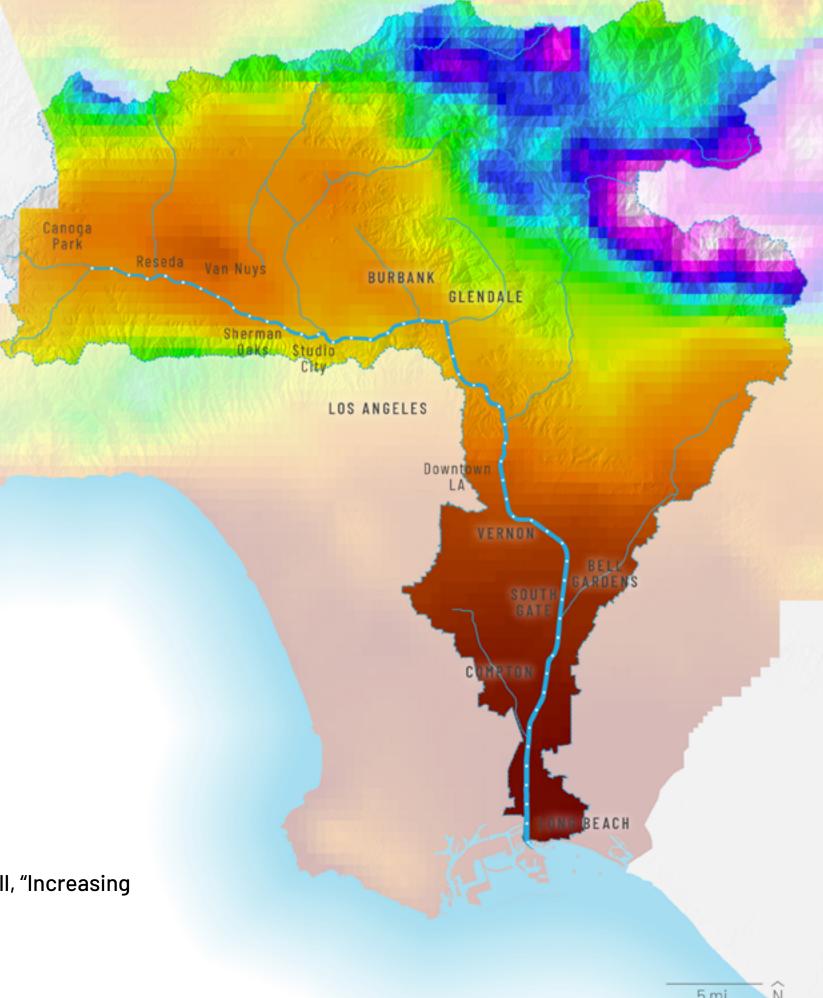
Low (5.6 in / 142.2 mm)

### Climate Change Projections:

"Anthropogenic forcing is found to yield large twenty-first-century increases in the frequency of wet extremes, including a more than threefold increase in sub-seasonal events comparable to California's 'Great Flood of 1862'."

Source: Swain, Daniel L., Baird Langenbrunner, J. David Neelin, and Alex Hall, "Increasing precipitation volatility in twenty-first-century California", Nature, 2018





## LA COUNTY MEAN ANNUAL PRECIPITATION



High (52.5 in / 1332.3 mm)

Low (5.6 in / 142.2 mm)

## Current Dry Weather Flow of the LA River:

60,000 Acre Feet Per Year

## Average Wet Weather Flow of the LA River:

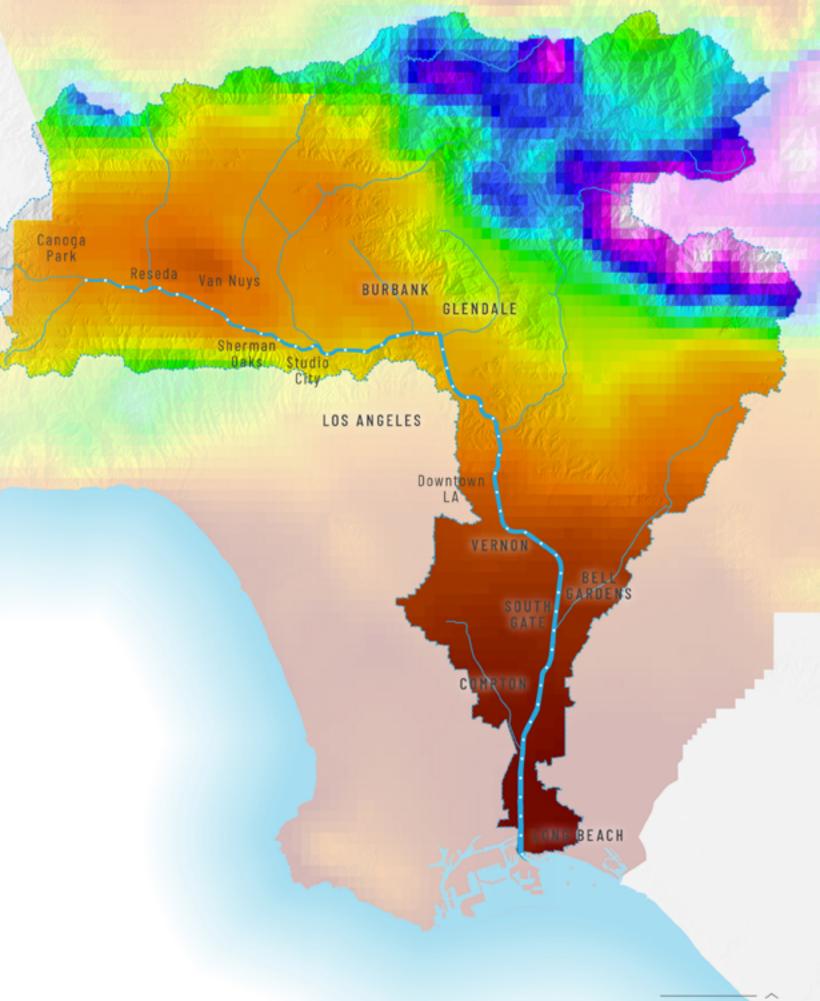
275,000 Acre Feet Per Year

## Wettest Year - 2005 (in the past 20 years):

950,000 Acre Feet Per Year

## Driest Year - 2007 (in the past 20 years):

50,000 Acre Feet Per Year



## **GROUND WATER BASINS**

Forebay

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

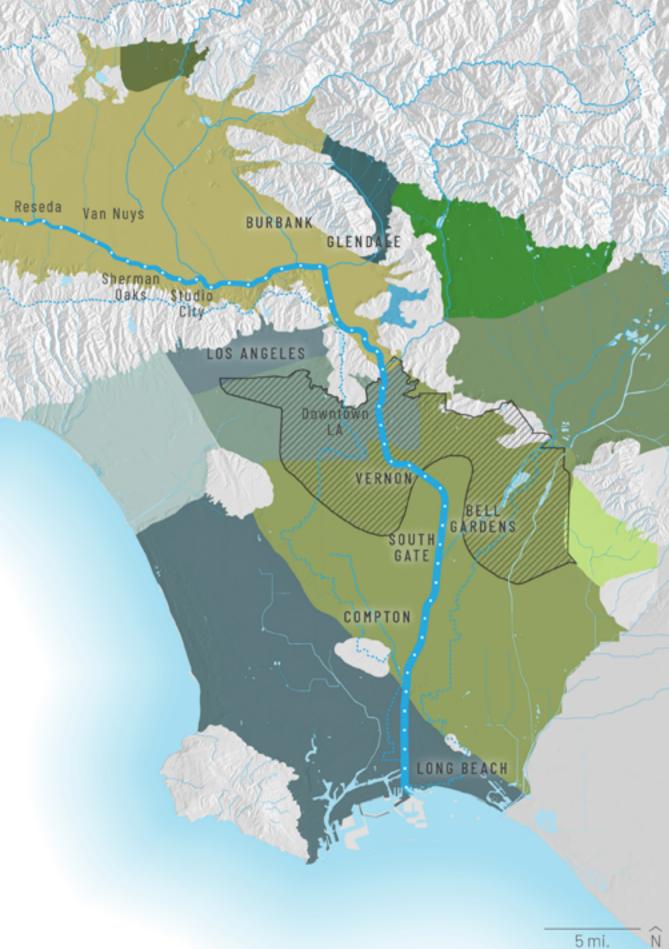
Unadjudicated:

North Central Basin

Hollywood Basin

Santa Monica Basin



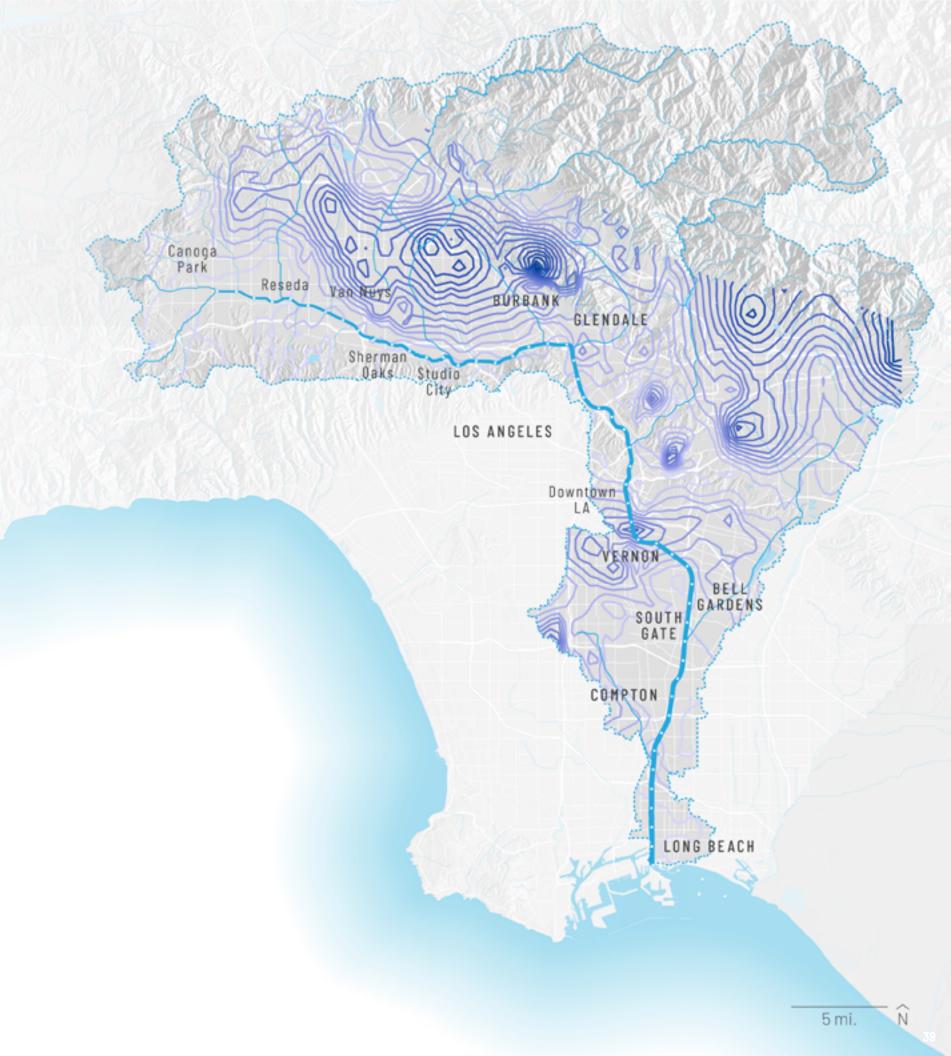


Source: Los Angeles County GIS Data Portal, Ground Water Basins, 2014

## DEPTH TO GROUND WATER

High (25 ft)

Low (425 ft)



## SOILS BEST SUITED FOR INFILTRATION

## Soil Permeability (Ksat Values):

0.09-0.3 (Low)

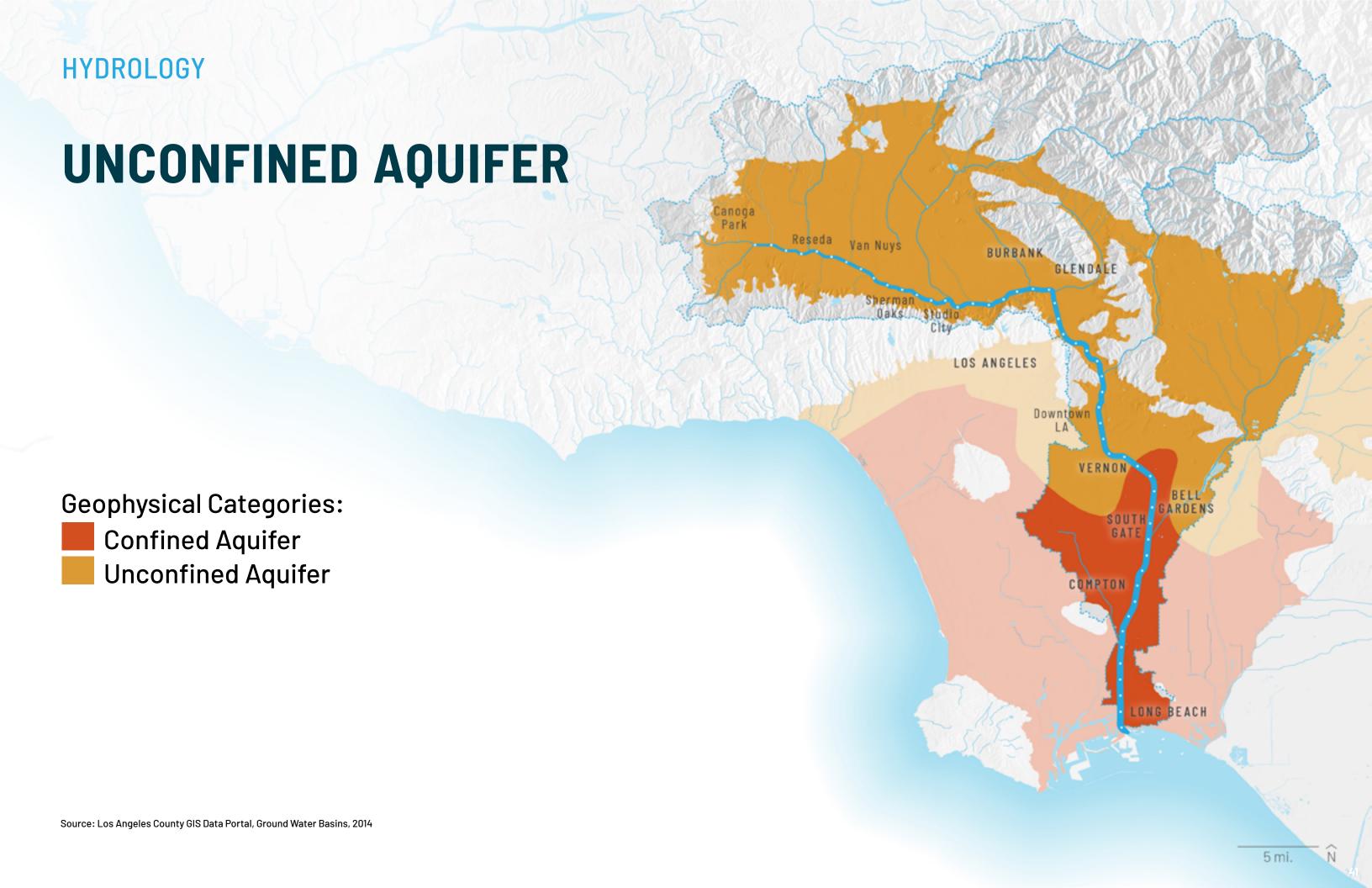
0.3-0.54

0.54-0.95

0.95-1.98

1.98-4.35 (High)





## RECHARGE: SURFACE SPREADING VS INJECTION

## BURBANK LOS ANGELES

GLENDALE

Downtown

VERNON

GARDENS

## **Geophysical Categories:**

Category A - Most Conducive to Recharge

Category B - Somewhat Conducive to Recharge

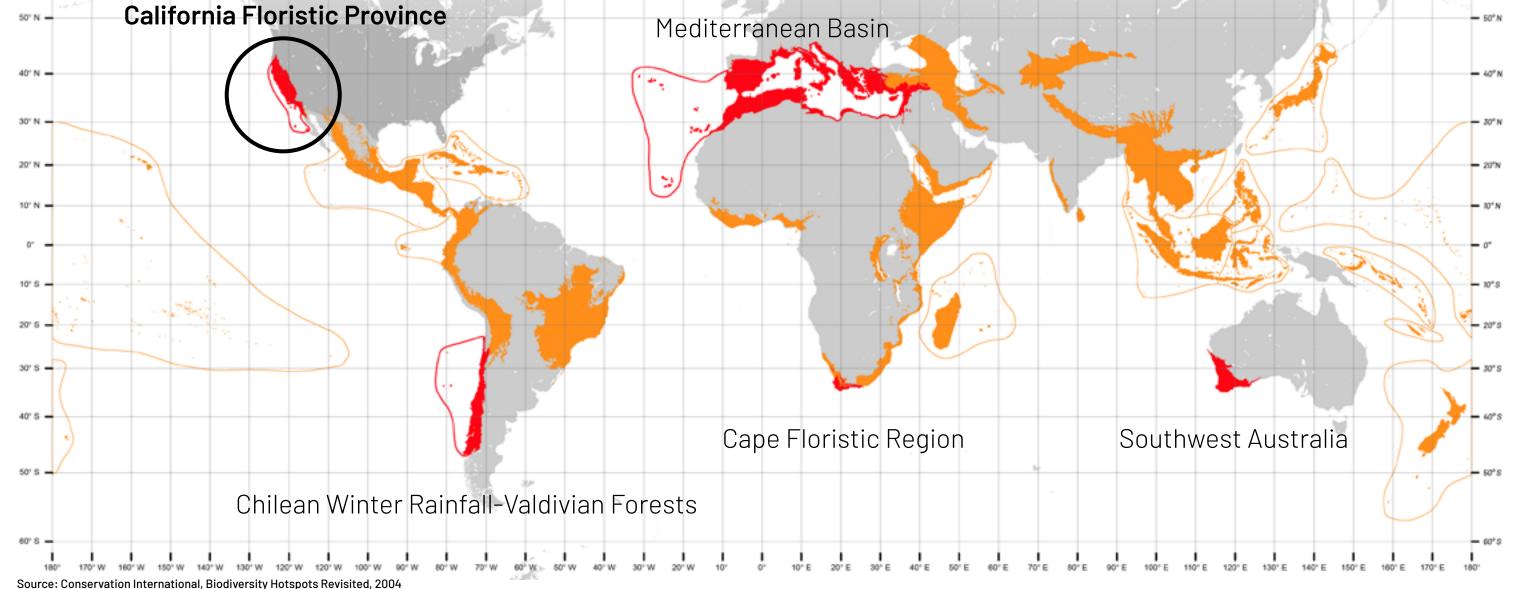
Category C - Least Conducive to Recharge





## THE CALIFORNIA FLORISTIC PROVINCE IS 1 OF 5 OF MEDITERRANEAN GLOBAL DIVERSITY HOTSPOTS

Mediterranean Climate Regions make up 2% of the Earth's land surface but contain 20% of the world's plant species. The California Floristic Province has 3500 plant species, 61% of which are endemic.



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# THE LA RIVER WATERSHED IS AT A HINGEPOINT IN THE CALIFORNIA FLORISTIC PROVINCE

Level III Ecoregions of The California Floristic Province:

Klamath Mountains

Coastal Range

Cascades

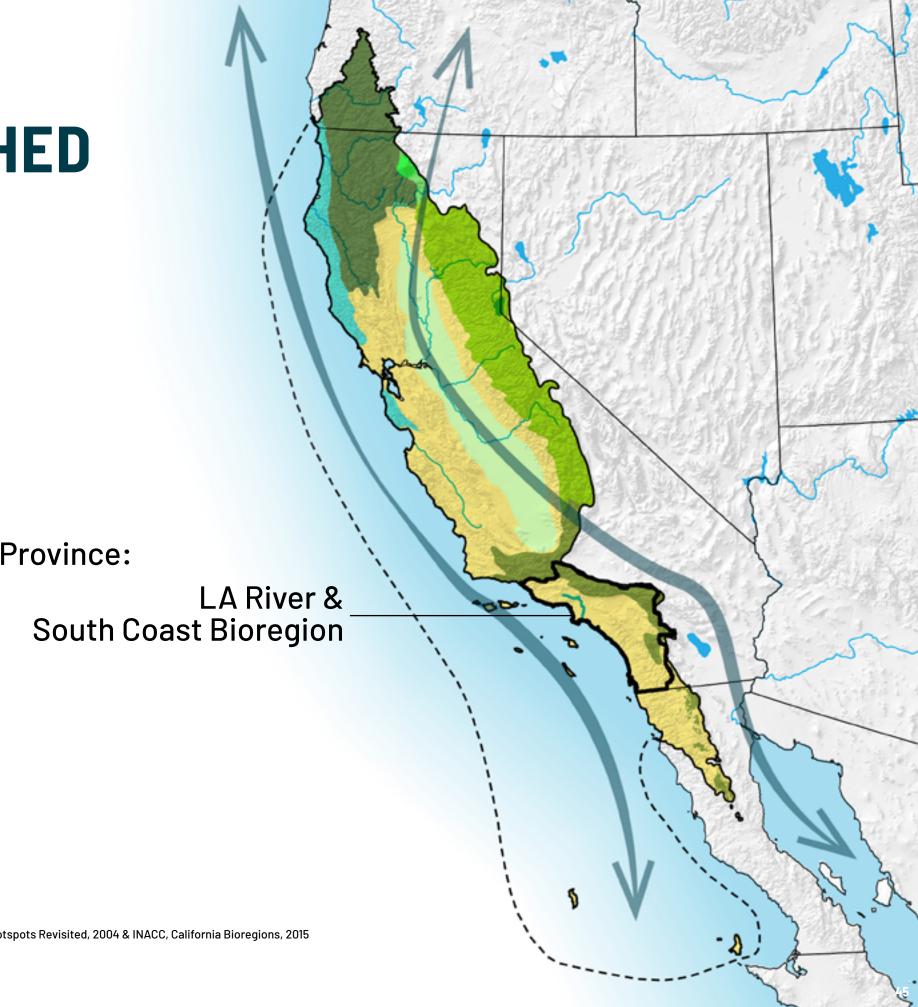
Sierra Nevada

Central California Valley

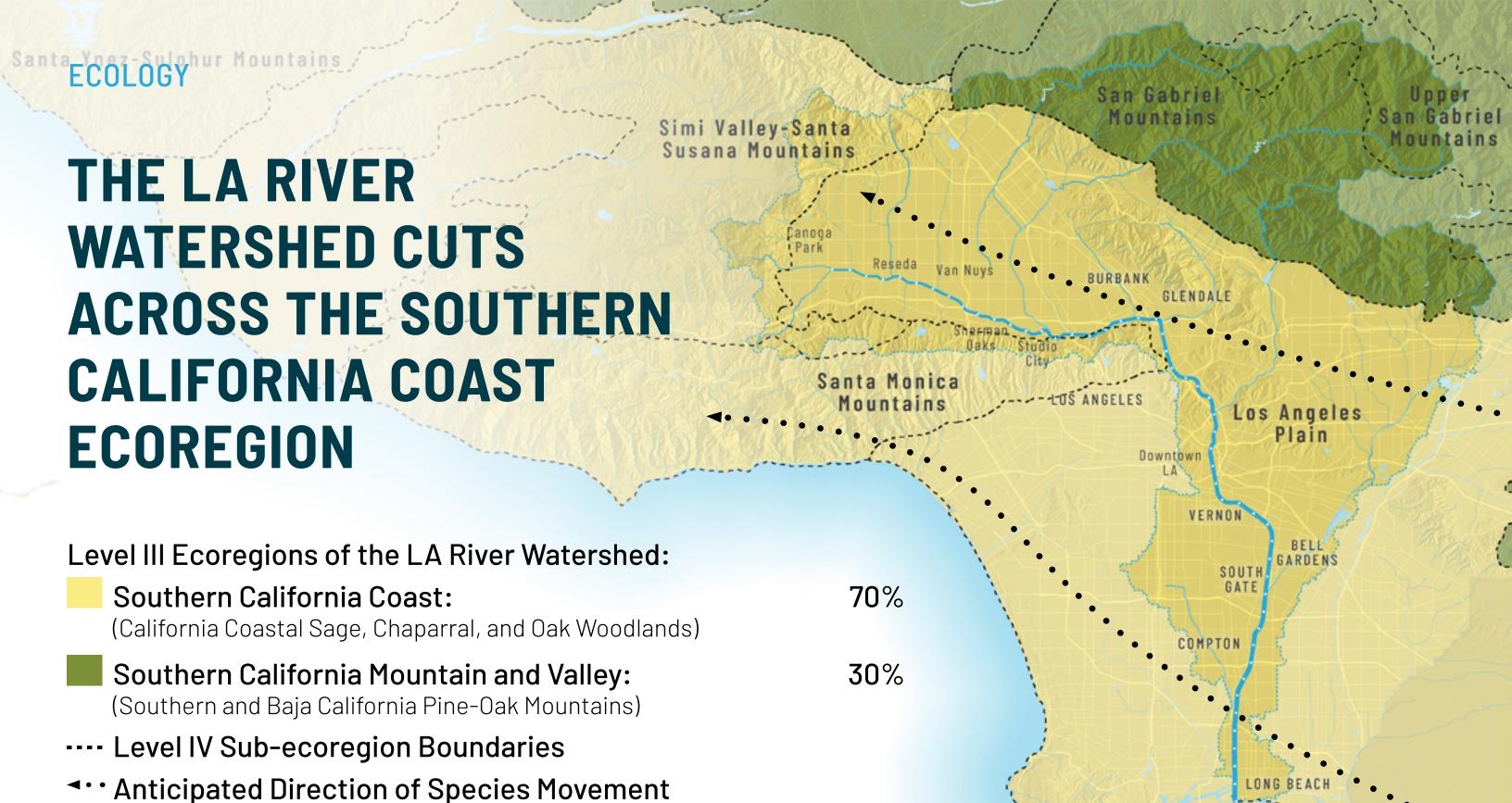
Southern California Coast

Southern California Mountain and Valley

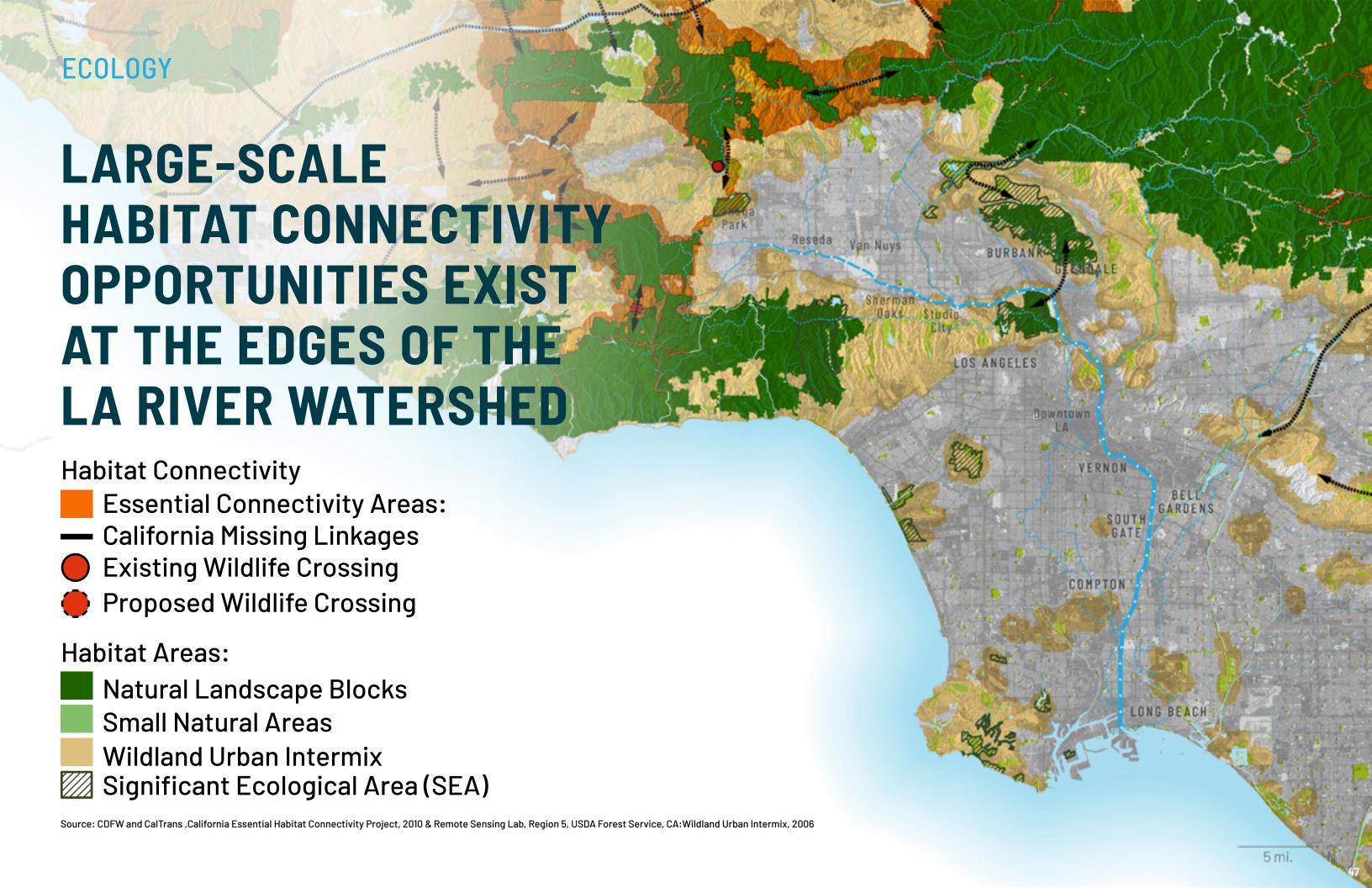
Pacific Flyway



Source: EPA, Level II and III Ecoregions of the Continental United States, 2013 & Conservation International, Biodiversity Hotspots Revisited, 2004 & INACC, California Bioregions, 2015



in Response to Climate Change





## LA RIVER WATERSHED HISTORIC VEGETATION FORMATIONS

Coastal sagebrush 54%
Southern oak forest 16%
Mixed hardwood forest 13%
Chapparal 11%
Coultier pine forest 6%
Southern jeffrey pine forest 0.4%
Coastal saltmash 0.1%





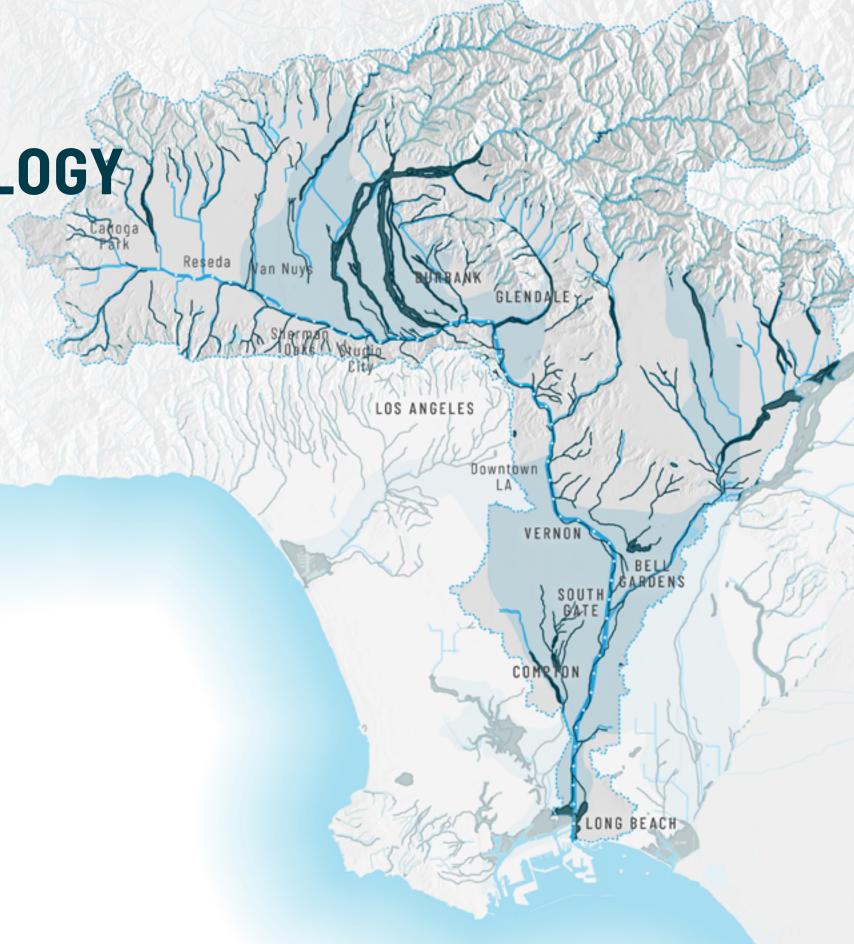
## HISTORIC WETLAND ECOLOGY (1870)

Historic Wetlands

**Current Wetlands** 

Historic and Current Wetlands

Historic Floodplain



## OUT-OF-CHANNEL HABITAT TYPES OF THE LA RIVER CORRIDOR

### **Out-of-Channel Habitats**



Coastal Sage Scrub (Soft Chaparral)

Chaparral at higher elevations transitioning to Coastal Sage Scrub along the river corridor.



## Valley Oak and Walnut Woodland

Open Oak or Walnut woodlands common in canyons and on lower southern slopes from the Glendale Narrows to the western end of the San Fernando Valley.



Grassland

Native grasses and wildIfowers common to the dense and clayey soils of the Los Angeles Plain.



## Riparian Forest

Lowland forest of Willows, Cottonwoods, and Sycamores with a dense understory of shrubs and vines.

Source: Based on: Harold Mooney and erika Zavaleta, "Ecosystems of California: Threats and Responses", University of California Press, 2016 & Kimball L. Garret, "The Biota of the Los Angeles River", 1993 & Paul M. Schiffman "The Los Angeles Prarie, from "Land of Sunshine: An Environmental History of Metropolitan Los Angeles, by William Deverell and Greg Hise, University of Pittsburgh Press, 2014

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## LA RIVER WATERSHED **HAS 15 EXTANT** HABITAT TYPES

**Herbaceous Dominated Habitats** 

**Emergent Wetland** 

**Wet Meadow** 

Grassland

**Tree Dominated Habitats** 

Aspen and Eucalyptus

Oak Woodland

Montaine Woodland

Montaine Riparian

Coniferous and Evergreen Woodland

Pinyon Juniper, Joshua Tree, and Palm Oasis

Valley Foothill Riparian

**Shrub Dominated Habitats** Alpine Dwarf Shrub Desert Scrub, Shrub, and Wash Chaparral, Sage, and Brush **Desert Riparian** Other Barren

Reseda

LOS ANGELES

Downtow

VERNON

SOUTH

GARDENS

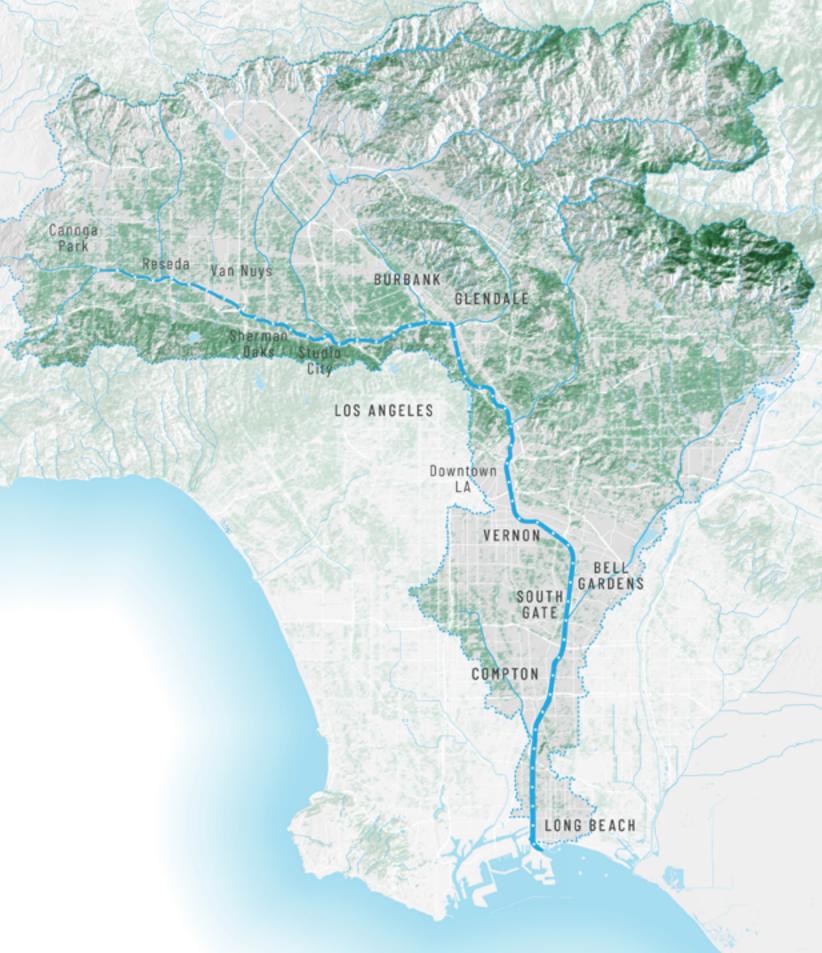
LONG BEACH

Source: USDA Forest Service, Pacific Southwest Region, 2011

# THE LA AREA SAW A 1.2% DECREASE YEAR-TO-YEAR IN ITS URBAN SHRUB AND TREE CANOPY FROM 2000-2009



Low

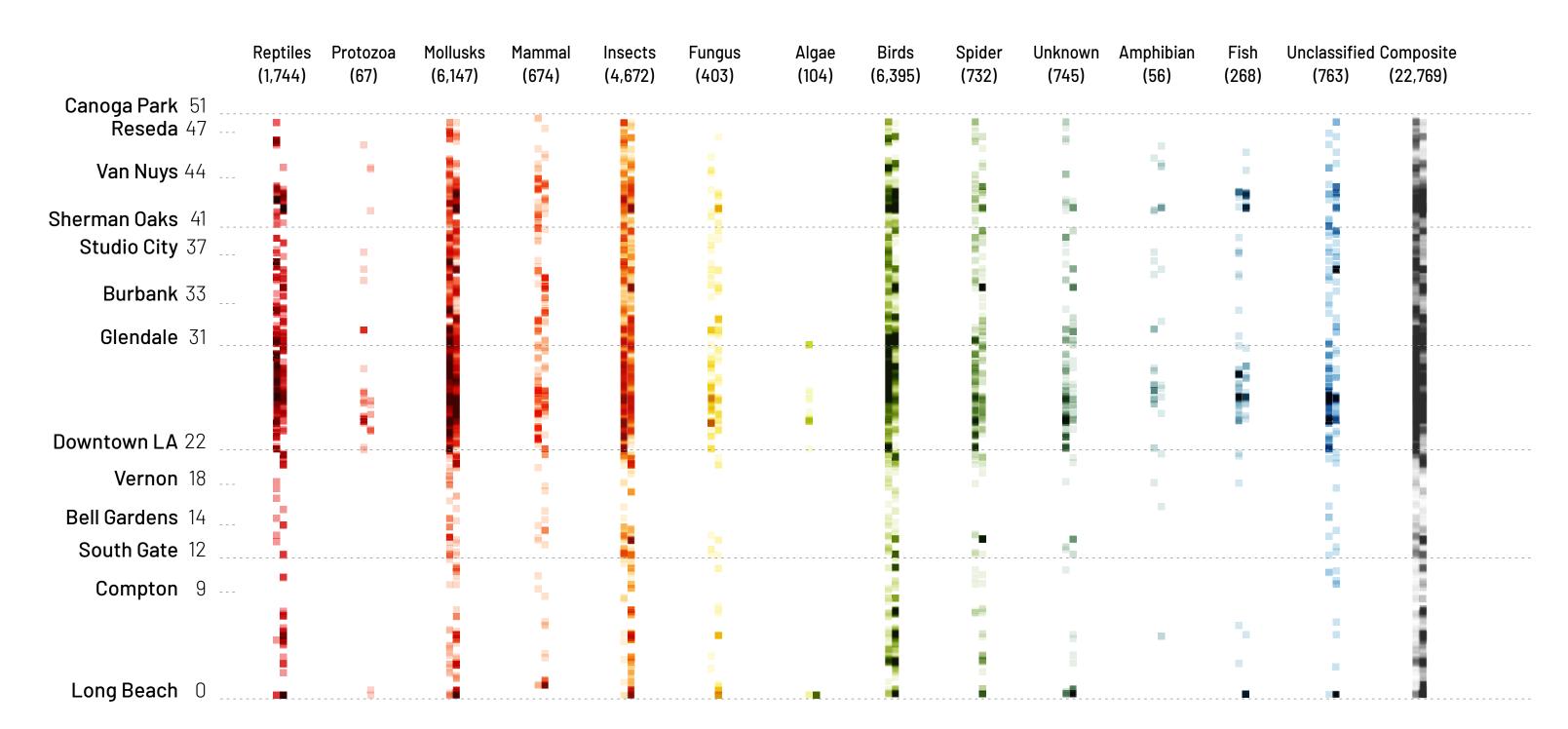


## SPECIES OBSERVATION IN THE LA RIVER BASIN

- Unclassified
- Fish
- Amphibian
- Animal (unknown)
- Spider
- Bird
- Algae
- Fungus
- Insect
- Mammal
- Mollusk
- Protozoa
- Reptile

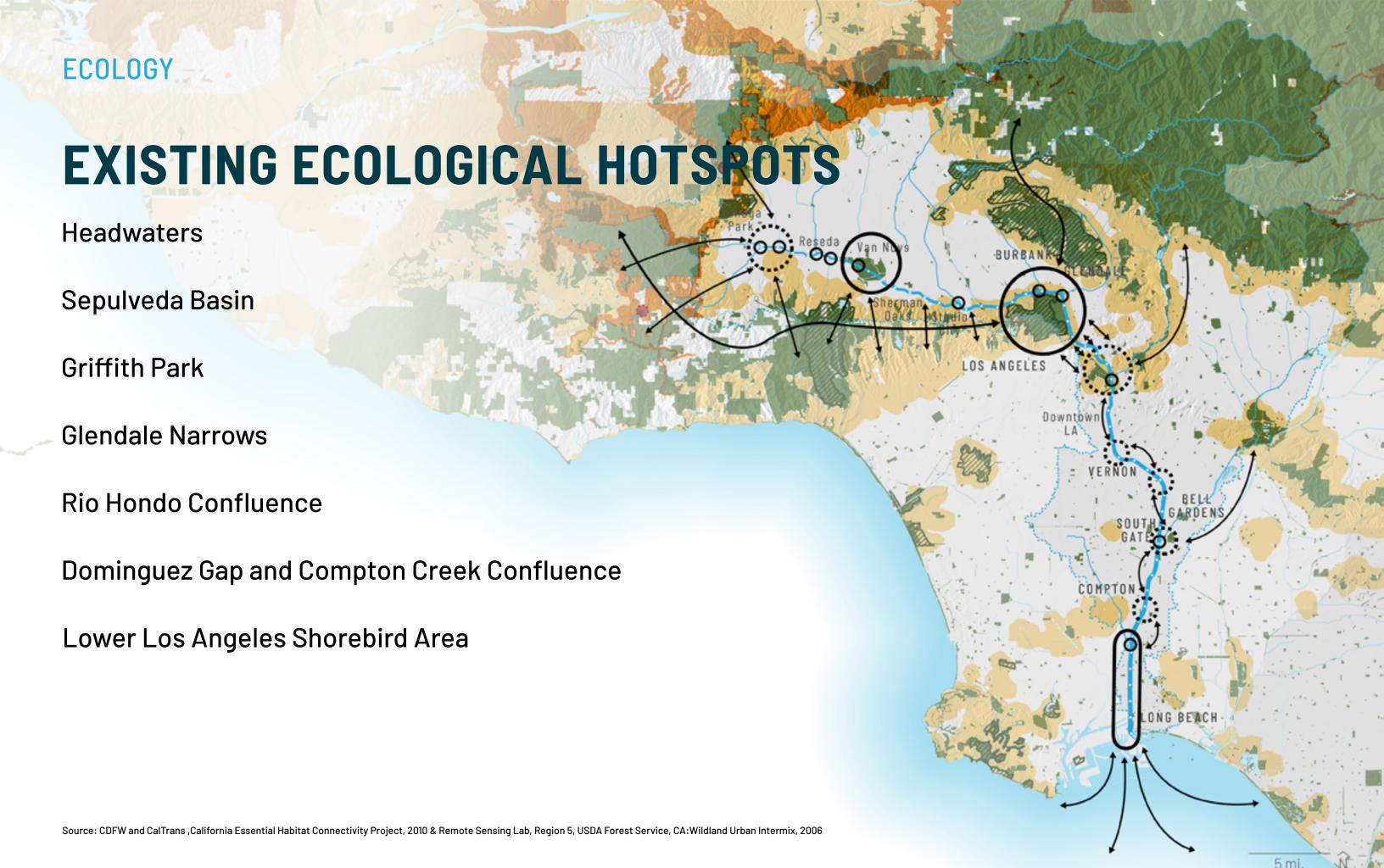


## SPECIES OBSERVATIONS: WITHIN 1 MILE OF LA RIVER



Source: iNaturalist.org, accessed 18 April 2018

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## LA COUNTY MAXIMUM **ANNUAL TEMPERATURE**

## Climate Change Projections:

Average Temperature Increase by 2100:

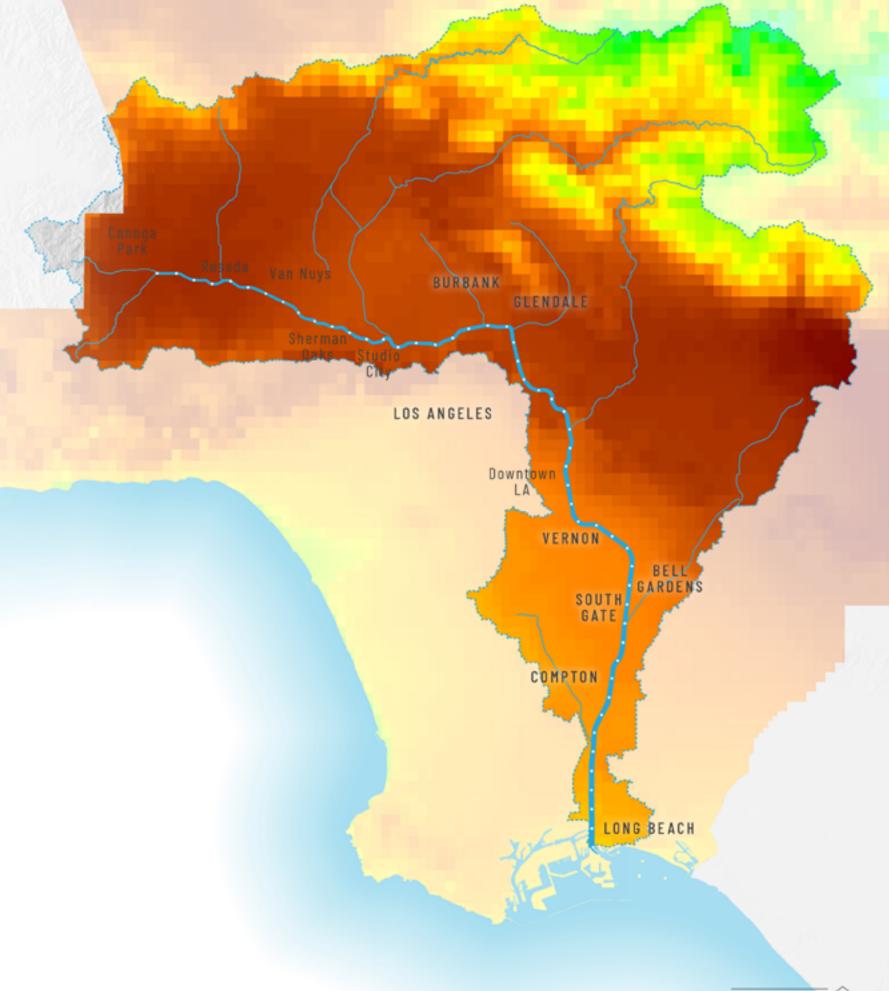
Mitigation Scenario: +3°F Business As Usual: +8°F



High (80.4.0°F / 26.9°C)

Low (52.52°F / 11.4°C)

Days > 95°F Business As Usual	<b>Past</b> 1981-2000	<b>Future</b> 2081-2100
San Fernando	54	126
Los Angeles	6	54
Long Beach	3	37

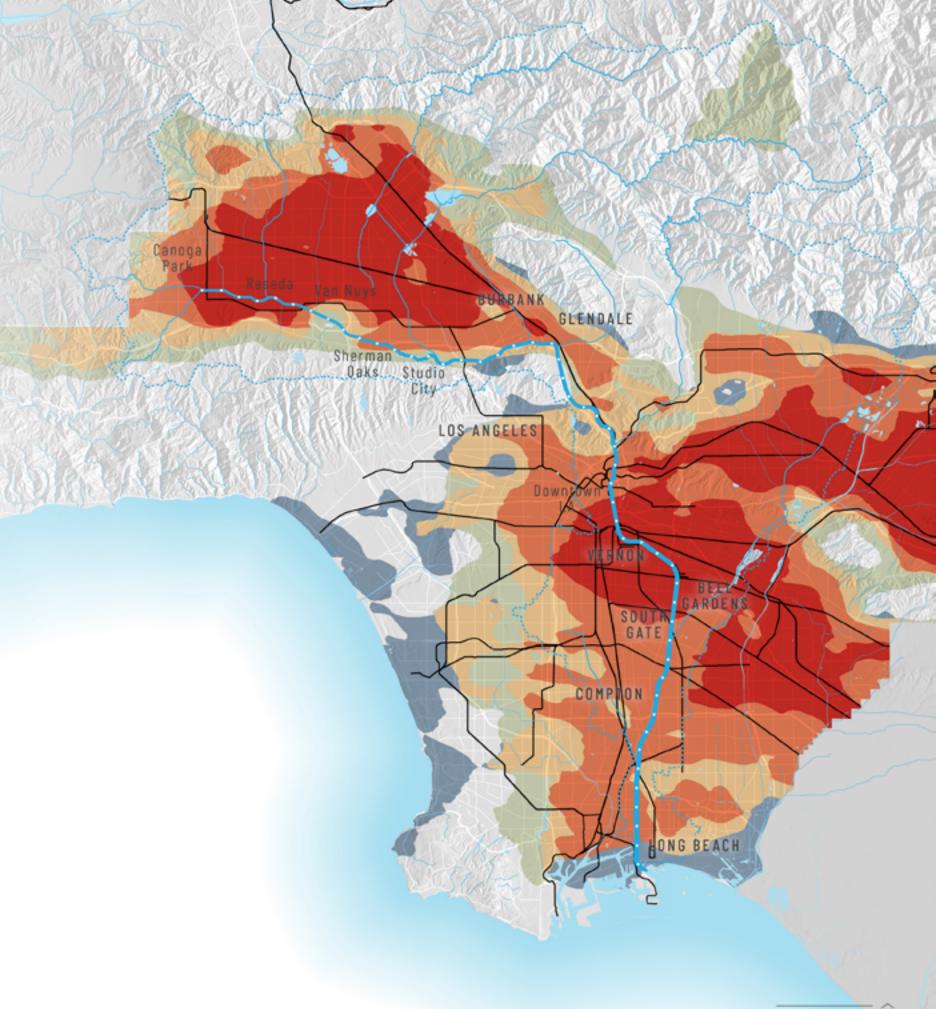


## URBAN HEAT ISLAND HOTSPOTS



Low

Raillines



## LA COUNTY MEAN ANNUAL PRECIPITATION



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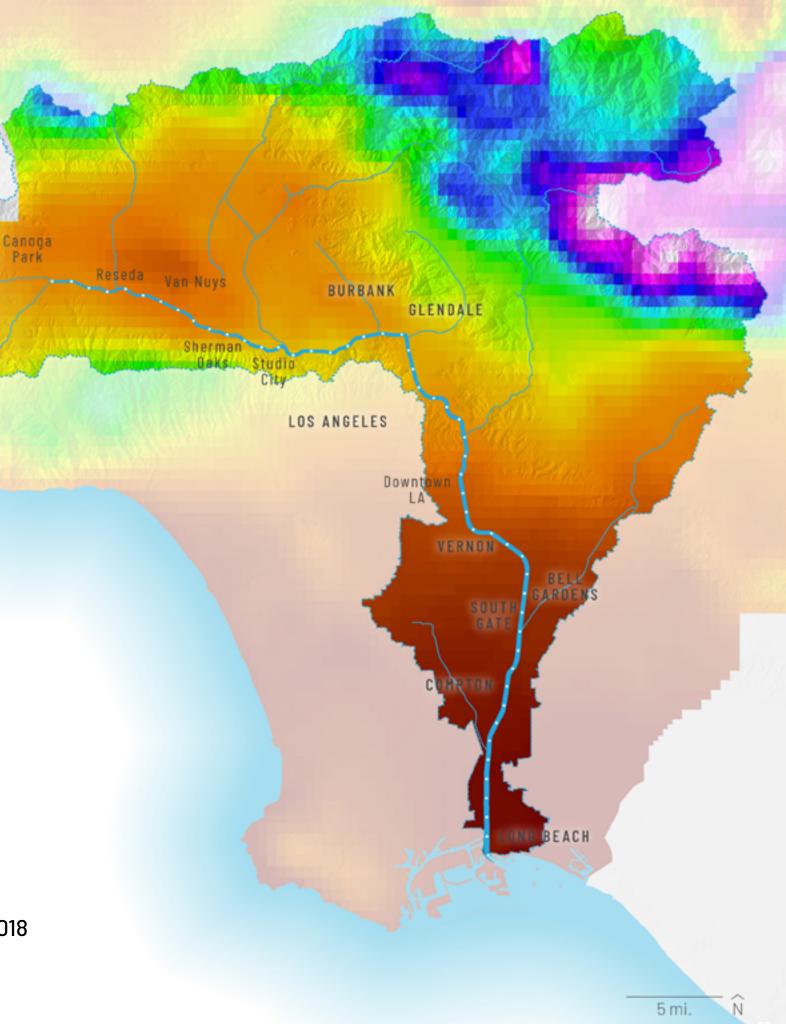
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Source: Swain, Daniel L., Baird Langenbrunner, J. David Neelin, and Alex Hall, "Increasing precipitation volatility in twenty-first-century California", Nature, 2018

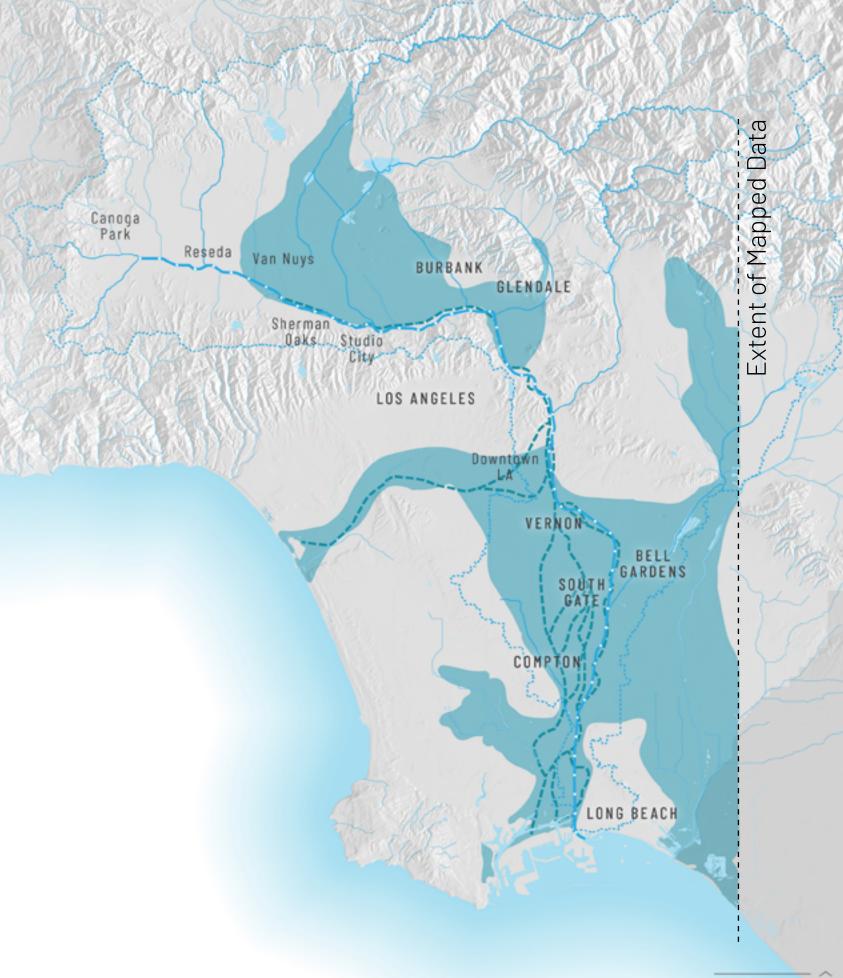
Source: PRISM Climate Group, 2015



## HISTORIC FLOODING AND RIVER PATHS PRIOR TO 1825

Areas Subject to Inundation

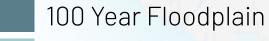
-- Historic River Paths



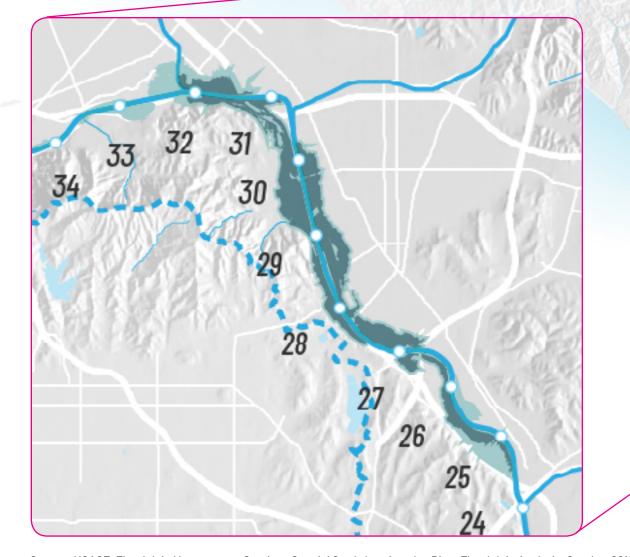
## **RESILIENCY** FEMA FLOODPLAIN MAPPING i. Steady-state 1-D modeling of Los Angeles River with specific break out areas analyzed to determine flood plain. Canoga Park an Nuvs GLENDALE Sherman Oaks. Studio Eity VERNON BELL GARDENS 100 Year Floodplain SOUTH 500 Year Floodplain COMPTON LONG BEACH Source: Los Angeles County GIS Data Portal, Flood Zones; The Flood Insurance Study (FIS) for Los Angeles County was issued by FEMA in 2008 and revised in 2016 5 mi.

## **USACE FLOODPLAIN MAPPING**

- Unsteady 1-D modeling of Los Angeles River with full 2-D flood plain modeling.
- Analyses limited to 13 miles between Barham Boulevard and First Street.



500 Year Floodplain



GLENDALE Sherman Oaks Studio City LOS ANG Downtown VERNON BELL GARDENS SOUTH COMPTON LONG BEACH

BURBANK

Canoga Park

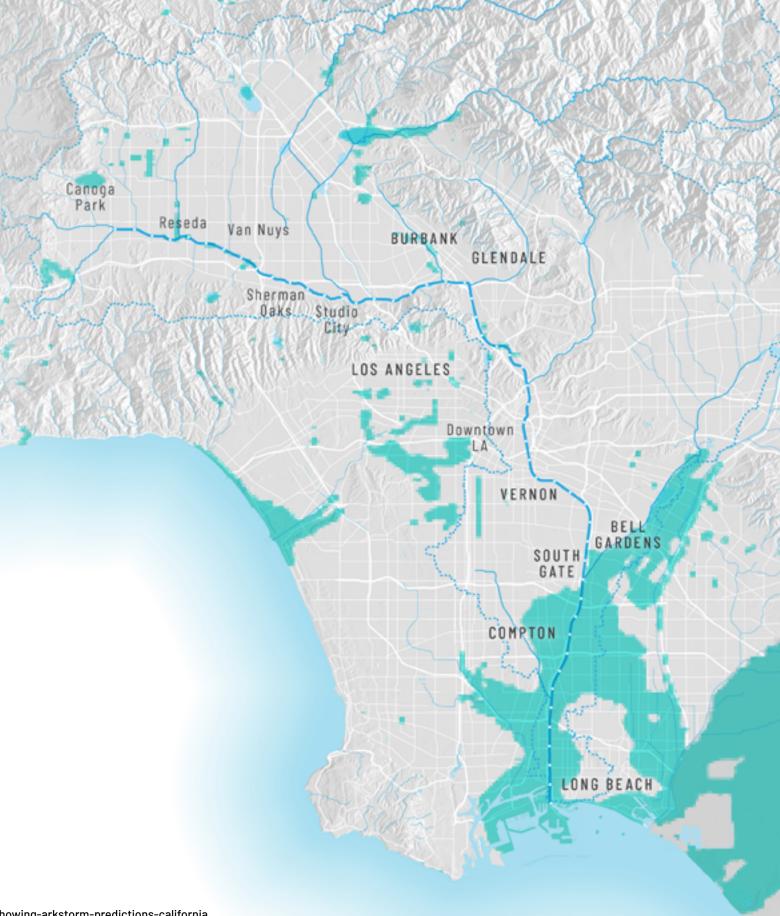
Reseda

Van Nuys

Source: USACE, Floodplain Management Services Special Study Los Angeles River Floodplain Analysis, October 2016; Mapping limited to area from Barham Boulevard to First Street

## **ARKSTORM SCENARIO**



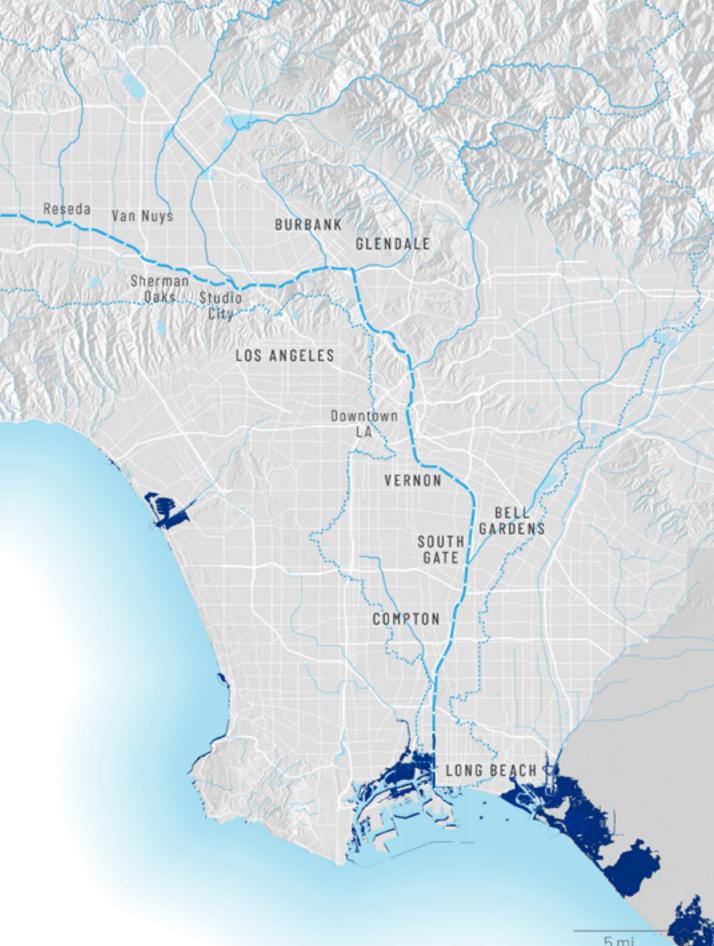


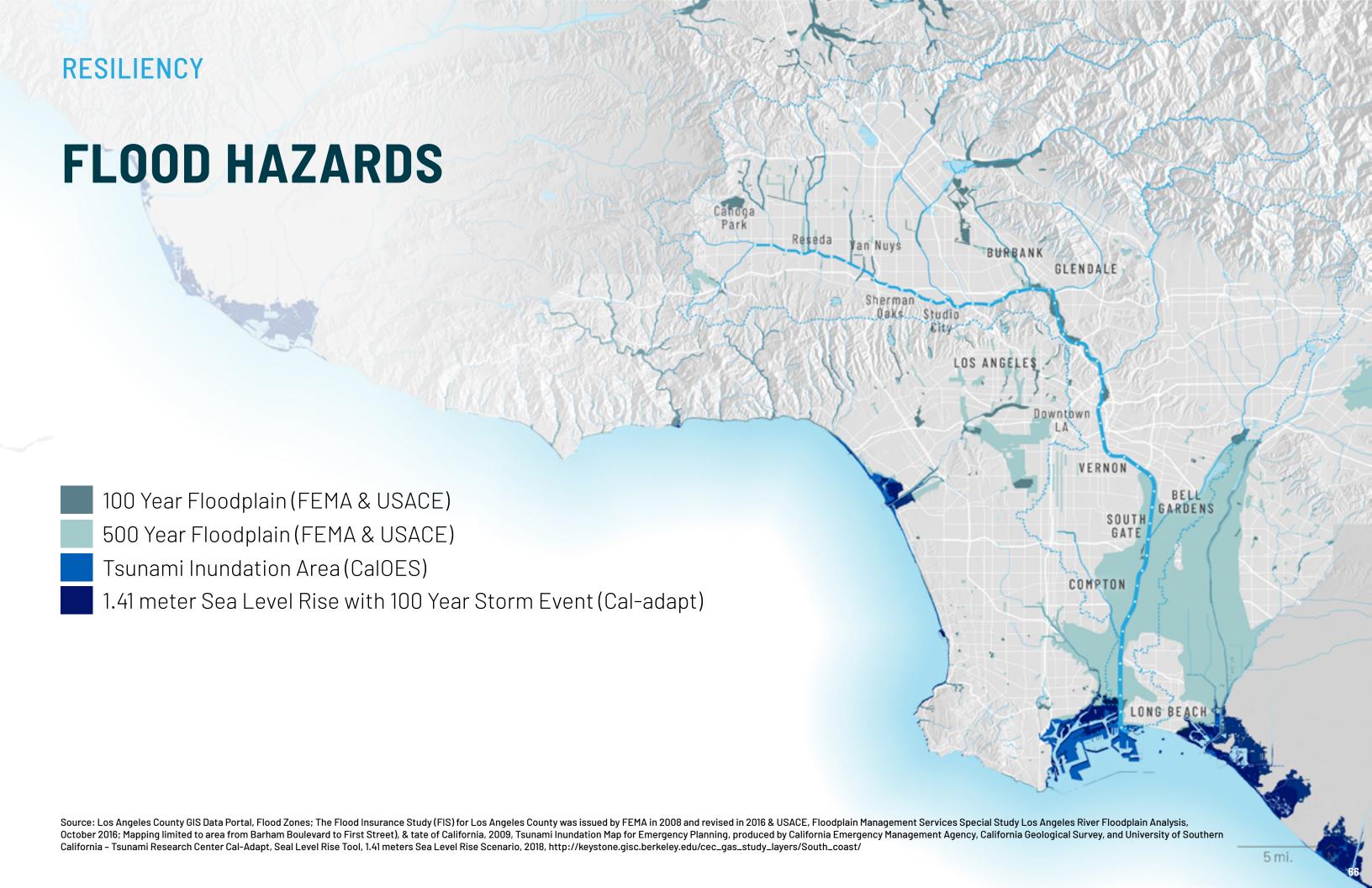
Source: USGS, Summary map showing ARkStorm predictions for California, 2017, https://www.usgs.gov/media/images/summary-map-showing-arkstorm-predictions-california

## **RESILIENCY** TSUNAMI INUNDATION AREA (CALOES) Canoga Park Reseda Van Nuys BURBANK GLENDALE Sherman Oaks Studio LOS ANGELES Downtown VERNON Tsunami Inundation Area (CalOES) BELL GARDENS SOUTH COMPTON

## 1.41 METER SEA LEVEL RISE WITH 100 YEAR STORM EVENT (CAL-ADAPT)

1.41 meter Sea Level Rise with 100 Year Storm Event (Cal-adapt)





## **MITIGATION SAVES MONEY**

National Benefit-Cost Ratio Per Peril *BCR numbers in this study have been rounded  Overall Hazard Benefit-Cost Ratio	Federally Funded 6:1	Beyond Code Requirements
Riverine Flood	7:1	5:1

Source: Multihazard Mitigation Council (2017) Natural Hazard Mitigation Saves 2017 Interim Report: An Independent Study.

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Surce: Los Angeles County GIS Data Portal, Points of Interest, 2016 & Los Angeles County GIS Data Portal, Disaster Routes, 1998 & California Department of Transportation, California Rail Network, 2013 & EPA, FRS Geospatial Data, 2018 & State of California Energy Commission, California Electric Transmission Line, 2018 & Los Angeles County GIS Data Portal, Flood Insurance Study (FIS) for Los Angeles County was issued by FEMA in 2008 and revised in 2016 & USACE, Floodplain Management Services Special Study Los Angeles River Floodplain Analysis, October 2016; Mapping limited to area from Barham Boulevard to First Street), & Tate of California, 2009, Tsunami Inundation Map for Emergency Planning, produced by California Emergency Planning, produced by California Emergency, California Geological Survey, and University of Southern California Tsunami Research Center Cal-Adapt, Seal Level Rise Tool, 1.41 meters Sea Level Rise Scenario, 2018, http://keystone.gisc.berkeley.edu/cec\_gas\_study\_layers/South\_coast/



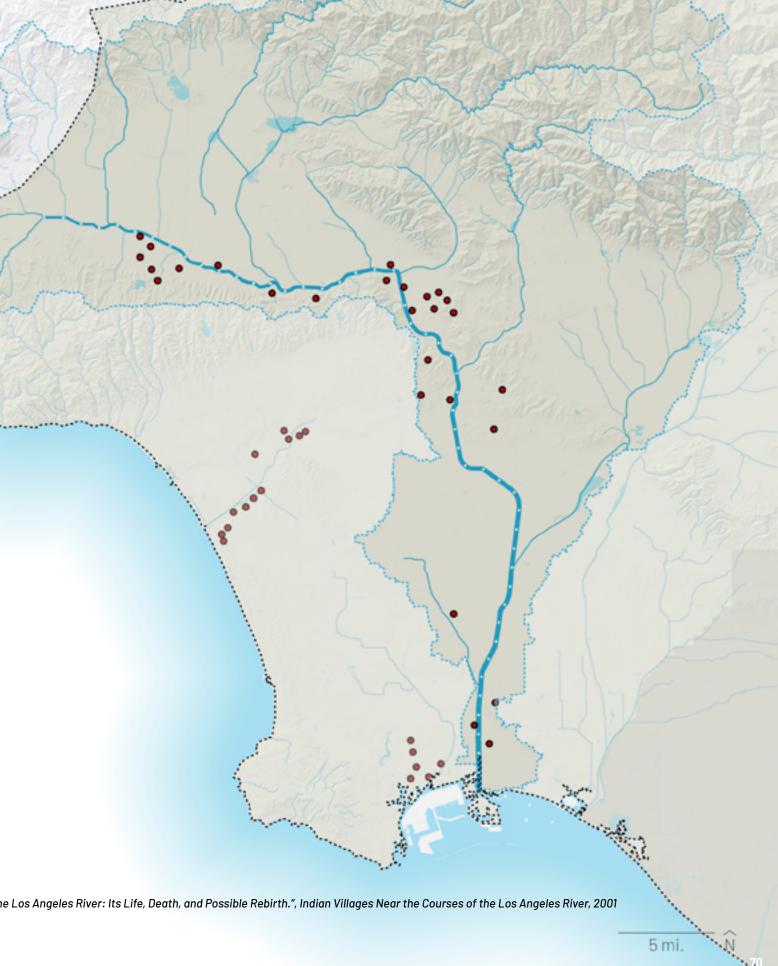
### **COMMUNITY**

# THERE WERE ONCE AS MANY AS 45 INDIGENOUS VILLAGES ALONG THE LA RIVER

## Indigenous Sites

Historic Kizh (Tongva / Gabrielino) Tribes Area

Historic Village Sites





THE UPPER HALF OF THE RIVER OVERLAPS WITH THE JUAN BAUTISTA DE ANZA TRAIL CORRIDOR

## Spanish Sites

Juan Bautista De Anza Trail Corridor

Spanish and Mexican Land Grants

▲ Expedition Campsites

Spanish Missions

— Old Spanish Trail





## **COMMUNITY**

## LA RIVER: OBJECT OF ART

Photography Painting

Source: Chang Kim, L.A. River: Images - Above

Source: James Doolin, Study # 4 for Connections, 1992





## LA RIVER: A PLACE FOR ENVIRONMENTAL ART

## **GREENMEME: "RIVER LIVER"**



Source: Greenmeme, http://www.greenmeme.com/RIVER-LIVER, 2005-2018

## **LEO LIMON: "RIVER CATS"**



Source: KCET Departures, Leo Limon 11, 2010

## **CURRENT: LA WATER**



"UnderLA" by Peggy Weil and Refik Anadol

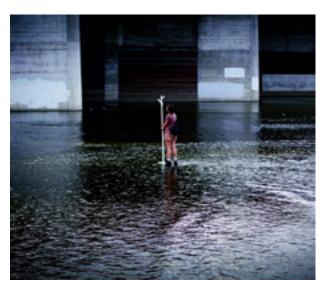
**CLOCKSHOP: THE BOWTIE PROJECT** 

### **GREENMEME: "RIVERSIDE ROUNDABOUT"**



Source: Greenmeme, http://www.greenmeme.com/RIVERSIDE-ROUNDABOUT, 2017

## LA RIVER PUBLIC ART PROJECT





"building: a simulacrum of power" by Rafa Esparza, 2014

Source: "ACE Spring Design Studio" by Woodbury University, 2016

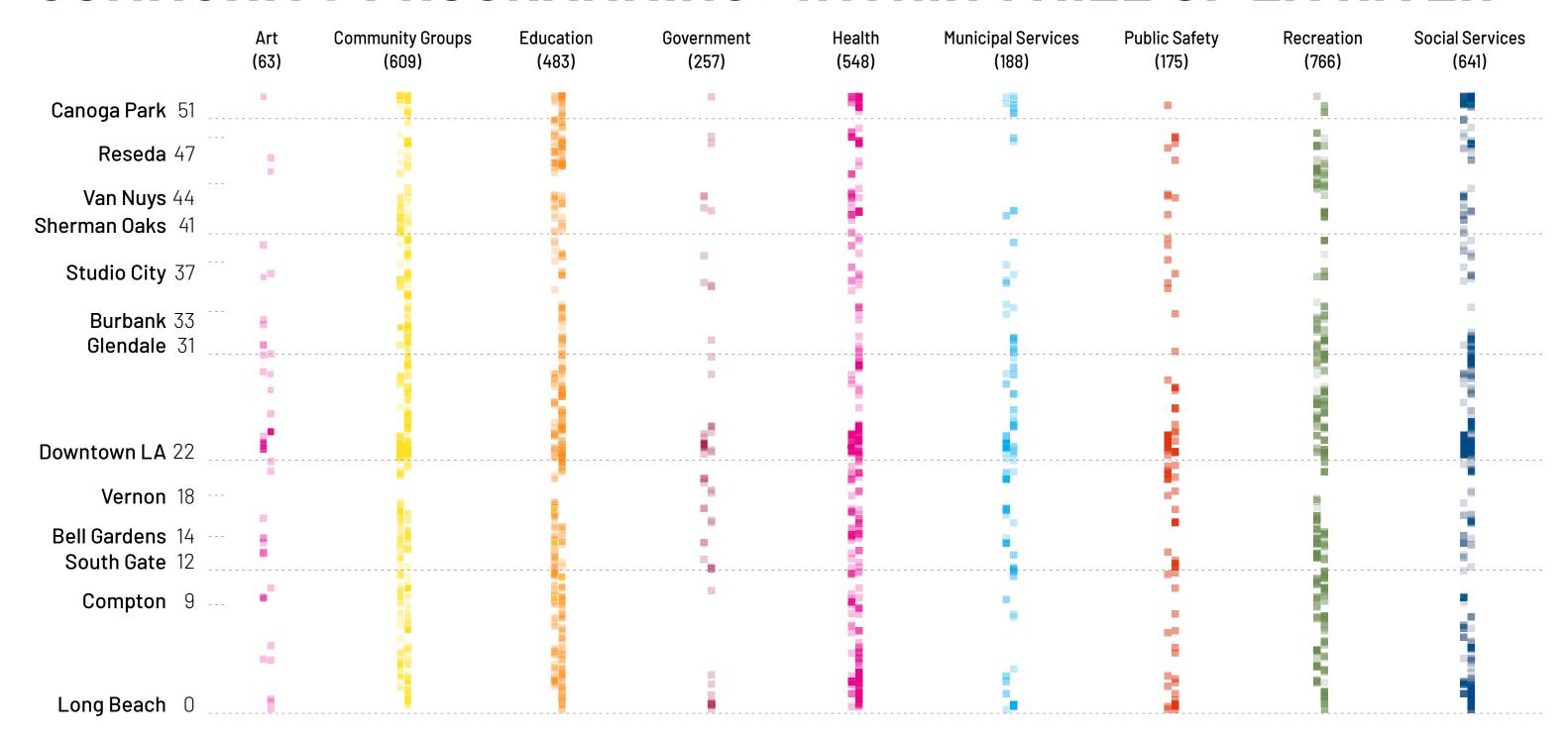
**INVENTORY & ANALYSIS** 

## STRONG RIVER ADVOCACY



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## **COMMUNITY PROGRAMMING: WITHIN 1 MILE OF LA RIVER**



Source: Los Angeles County GIS Data Portal, Locations/Points of Interest (LMS Data), 2016

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## PARKS EVALUATION CRITERIA

## Quantity

LA COUNTY GOAL = 4 ACRES/1000 PEOPLE
WORLD HEALTH ORGANIZATION MINIMUM = 2.25 ACRES/1000 PEOPLE

## Size

VARIETY OF AMENITIES AND SIZE

## **Access**

DISTANCE OBSTRUCTIONS

WELCOME ENGAGEMENT UPDATE VISION AND GOALS INVENTORY & ANALYSIS PUBLIC COMMENT

**EXISTING PARK NEED** 

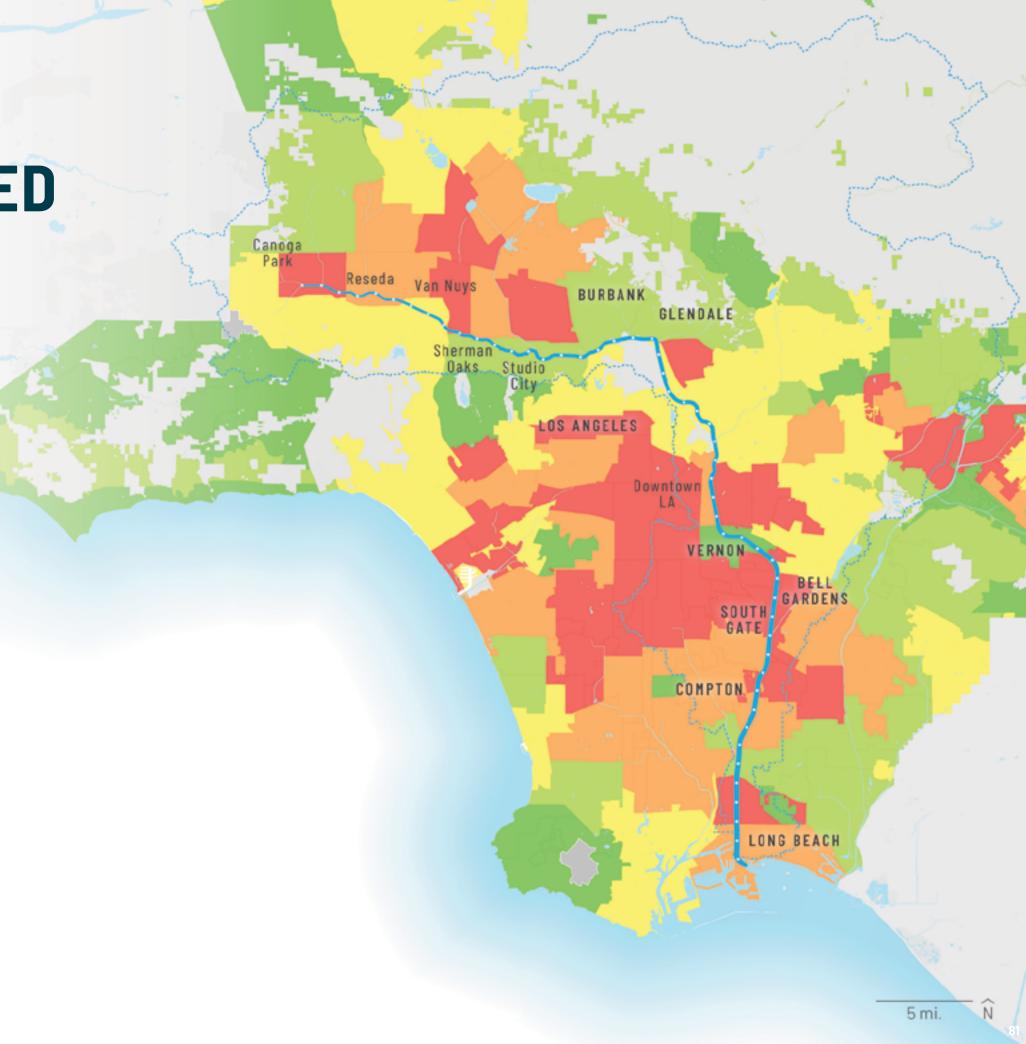
PARK LAND

PARK ACCESS

PARK PRESSURE

Park Need
Very High
High
Moderate
Low
Very Low

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



## LA COUNTY ADULT HEALTH SNAPSHOT

**36%**Overweight

24% Obese

24% High Blood Pressure

10%
Diabetes

\$25B Spent on Chronic Disease

Source: Los Angeles County Department of Public Health Los Angeles County Health Survey, 2007, 2015; Cost of Chronic Disease in California: Estimates at the County Level. Brown, Paul M. et. al. Journal of Public Health Management and Practice 21(1): E10-E19, January/February 2015

LCOME ENGAGEMENT UPDATE VISION AND GOALS INVENTORY & ANALYSIS PUBLIC COMMENT WRAP UP

## SINCE 2007, LA COUNTY ADULTS

## Are More Overweight

Percent Overweight or Obese

**58** 

2007

**59** 

2015

## Are More Diabetic

Percent with Diabetes

9

2007



2015

## Have Lower Blood Pressure

Percent with Hypertension

24

2015

**25** 

2007

## Percent with High Cholestrol

**Z**5

2007

**Have Lower** 

Cholesterol

**25** 

2015

Source: Los Angeles County Department of Public Health Los Angeles County Health Survey, 2007, 2015

## COMPARED TO CALIFORNIA, LA COUNTY ADULTS

## Are Less **Overweight**

Percent Overweight or Obese

California



LA County

59

Are as Diabetic

Percent with Diabetes



California LA County

**Have Lower Blood Pressure** 

Percent with Hypertension



LA County California

**Have Lower** Cholesterol

Percent with High Cholestrol



25

California

LA County

**INVENTORY & ANALYSIS** 

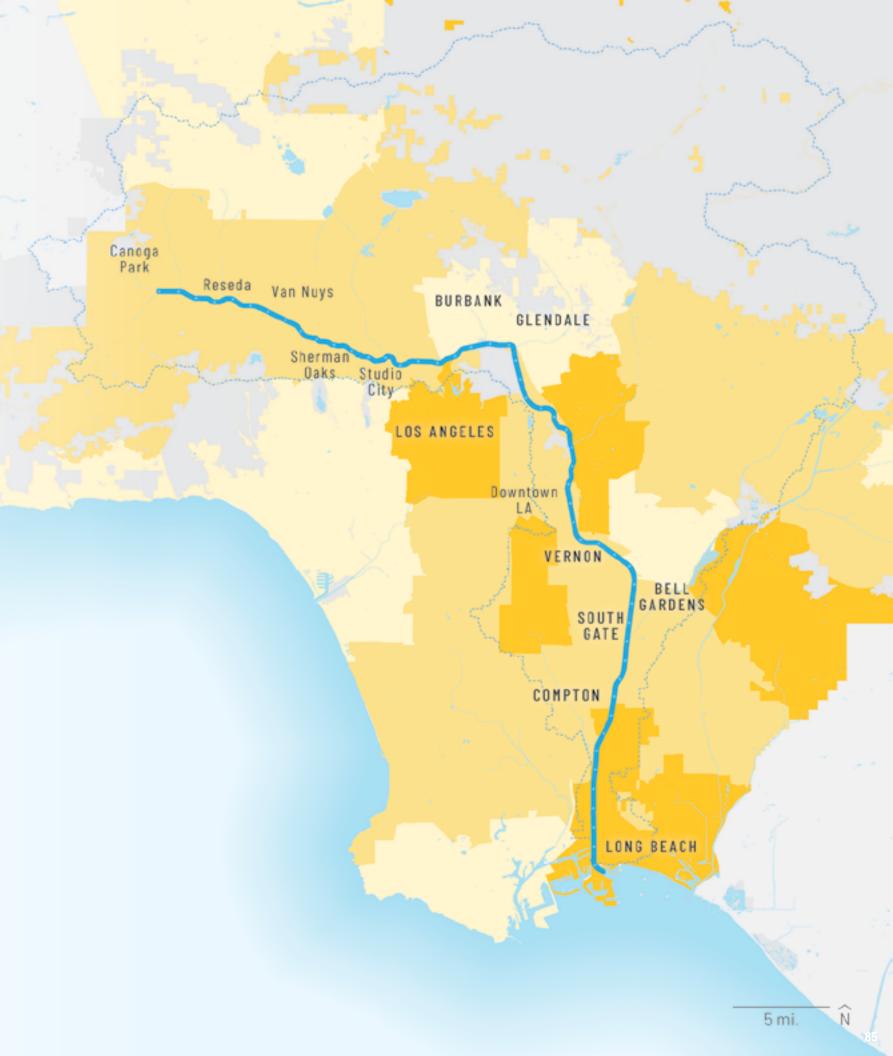
# MORE ADULTS WITH DIABETES ALONG THE SOUTHERN HALF OF THE RIVER

More Adults with Diabetes

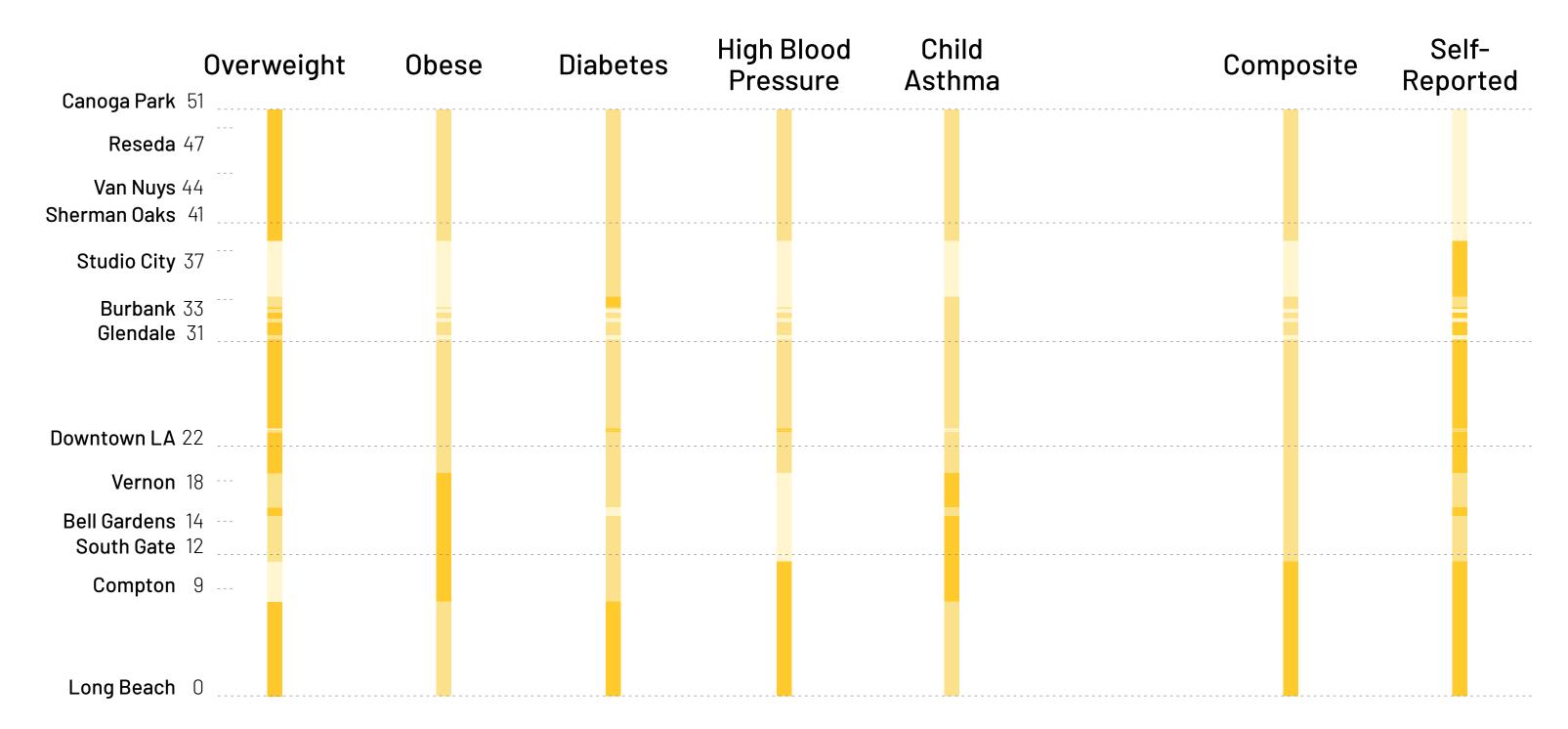
**County Percent Adults with Diabetes** 

**9** ±1/2s

Fewer Adults with Diabetes



## HEALTH ISSUES MOST ACUTE IN SOUTHERN CITIES

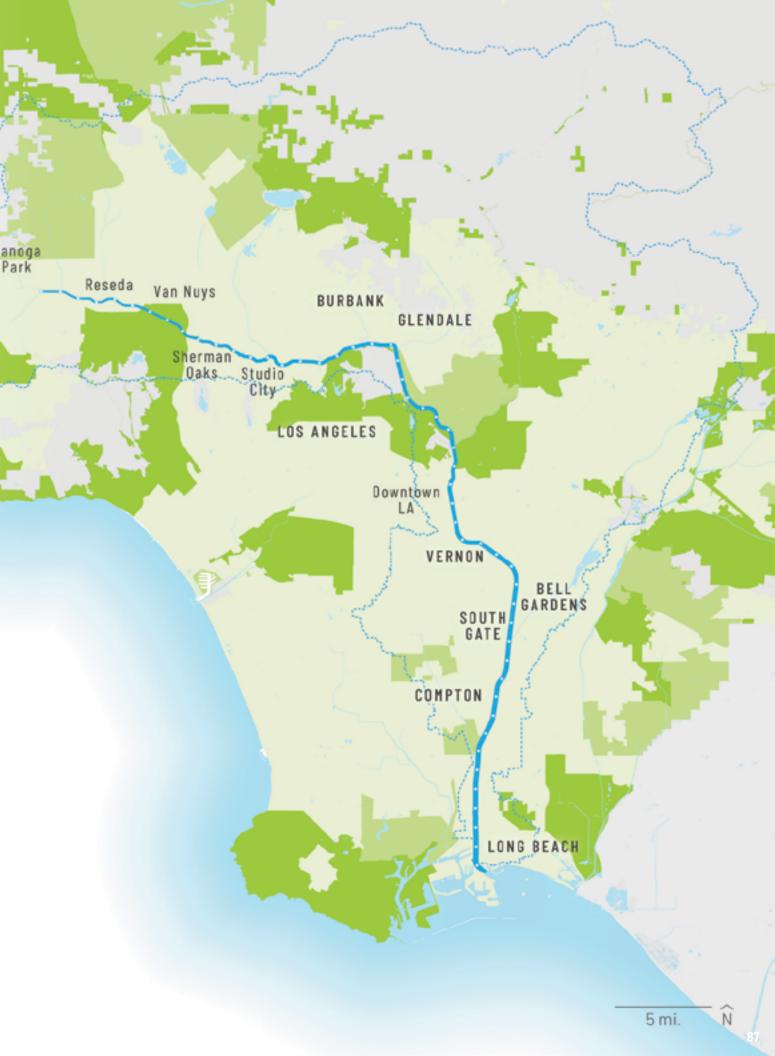


Source: Los Angeles County Department of Public Health Los Angeles County Health Survey, 2015

**INVENTORY & ANALYSIS** 

# MOST COMMUNITIES ALONG THE RIVER DO NOT MEET THE COUNTY STANDARD FOR PARK SPACE

- Exceed the County Standard
  - County Standard (Acres per Thousand)
  - ±20%
- Do Not Meet the County Standard





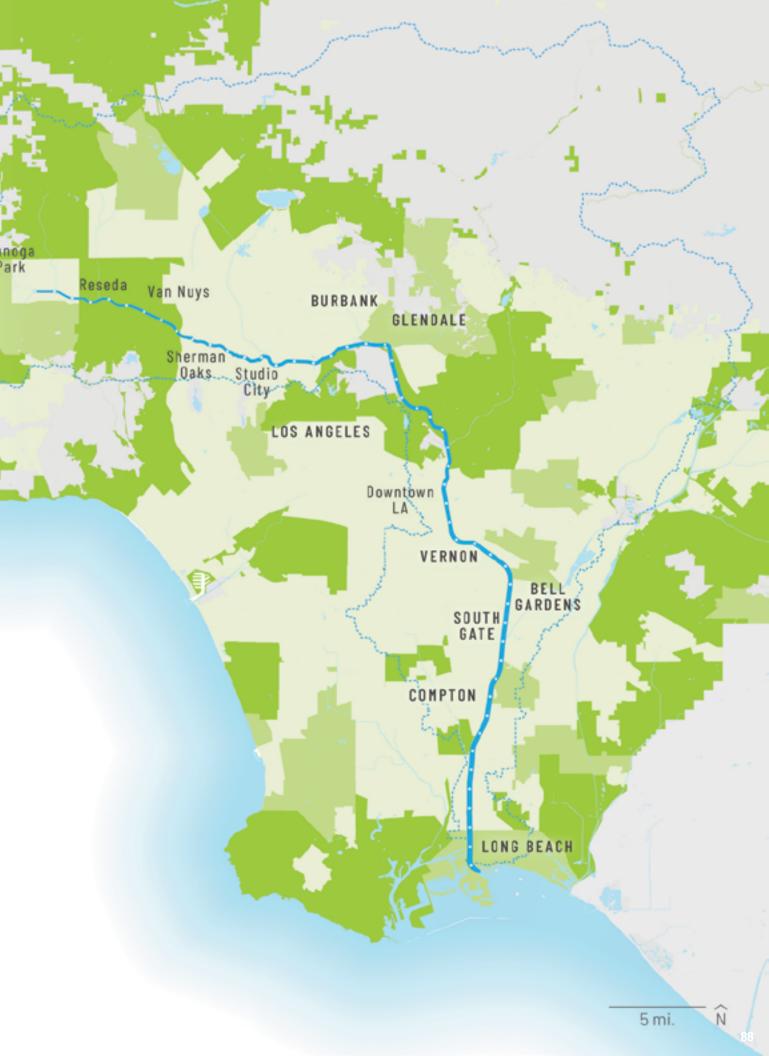
# MANY COMMUNITIES ALONG THE RIVER DO NOT MEET WHO MINIMUM PARK SPACE GUIDELINES

Exceed WHO Guidelines

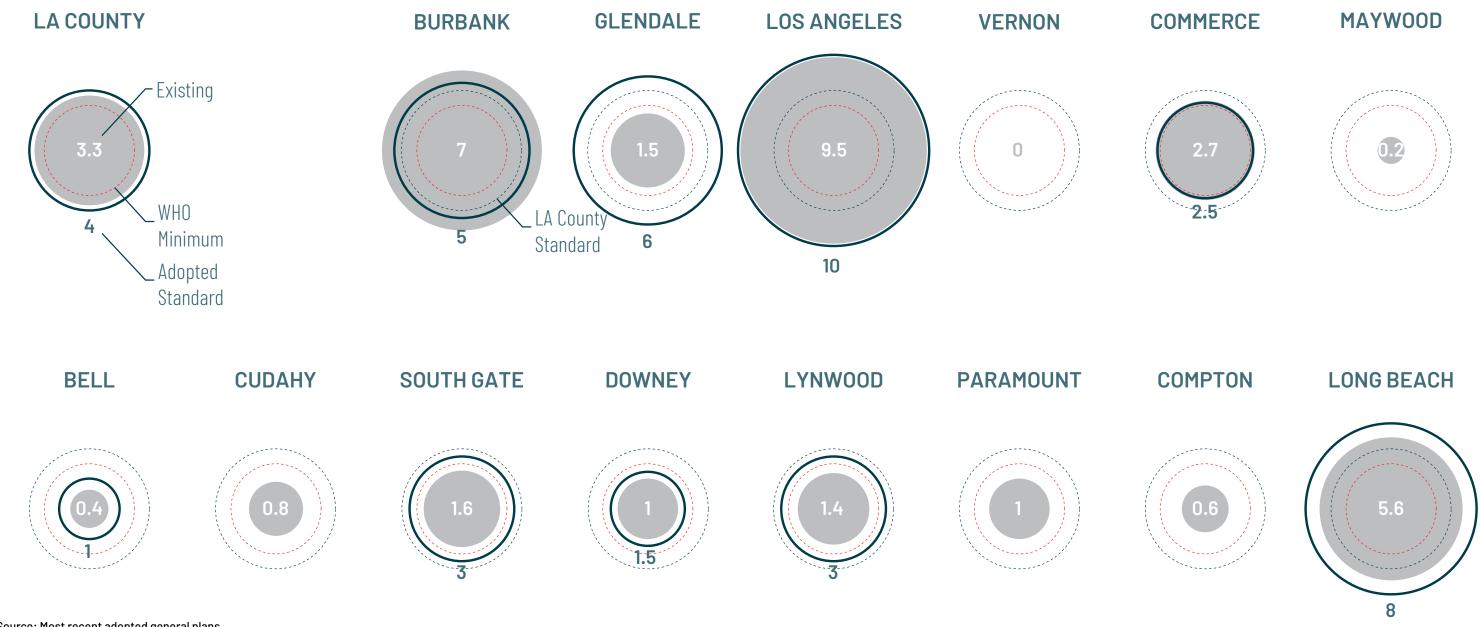
WHO Guidelines (Acres per Thousand)

2 2 ±20%

Do Not Meet WHO Guidelines



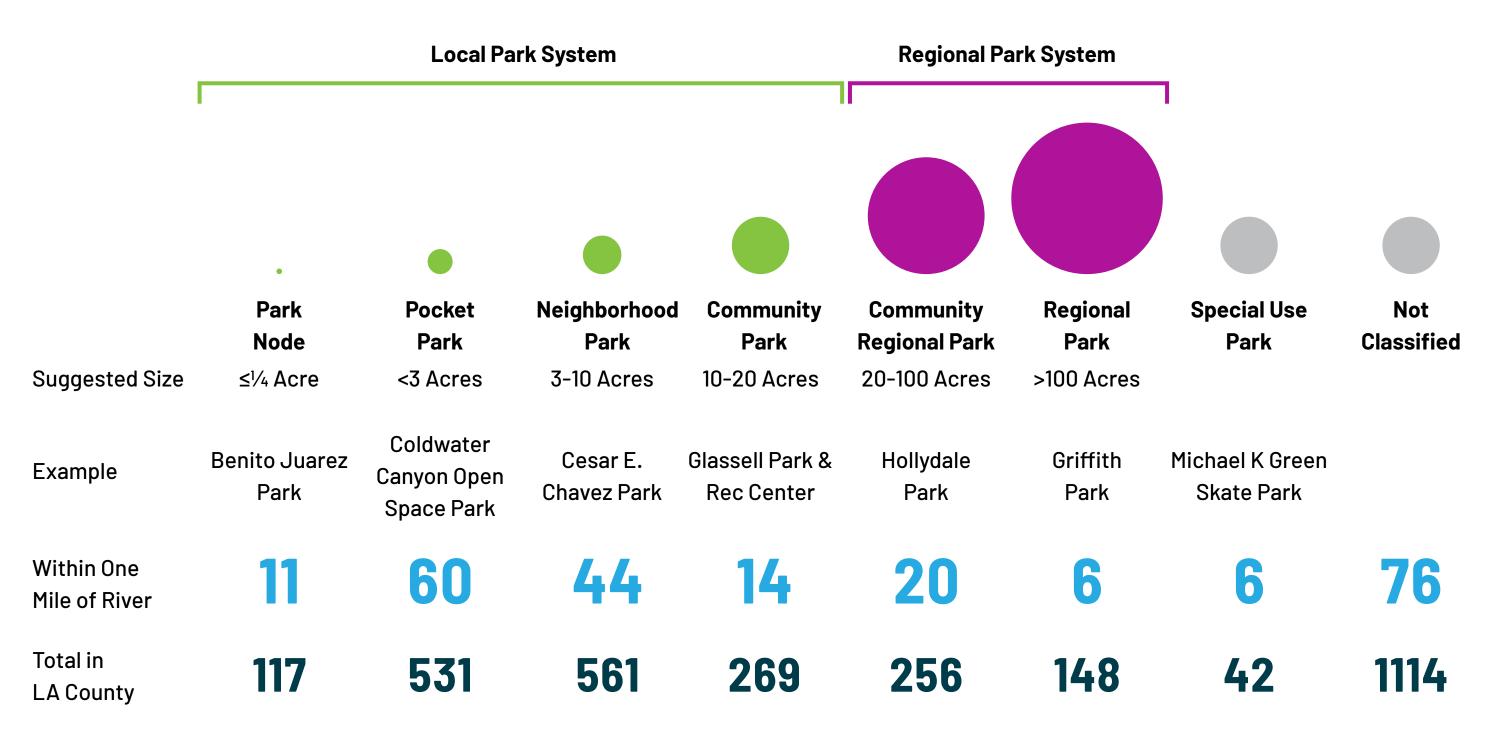
## VARYING PARK ACREAGE STANDARDS PER 1,000 RESIDENTS BY LOCALITY



Source: Most recent adopted general plans

LCOME ENGAGEMENT UPDATE VISION AND GOALS INVENTORY & ANALYSIS PUBLIC COMMENT WRAP UP

## LA COUNTY PARK CLASSIFICATIONS



Source: Los Angeles County Department of Parks and Recreation Countywide Parks and Open Space, 2016; Los Angeles County Department of Regional Planning General Plan 2035 Parks and Recreation Element, 2015

VELCOME ENGAGEMENT UPDATE VISION AND GOALS INVENTORY & ANALYSIS PUBLIC COMMENT WRAP UP

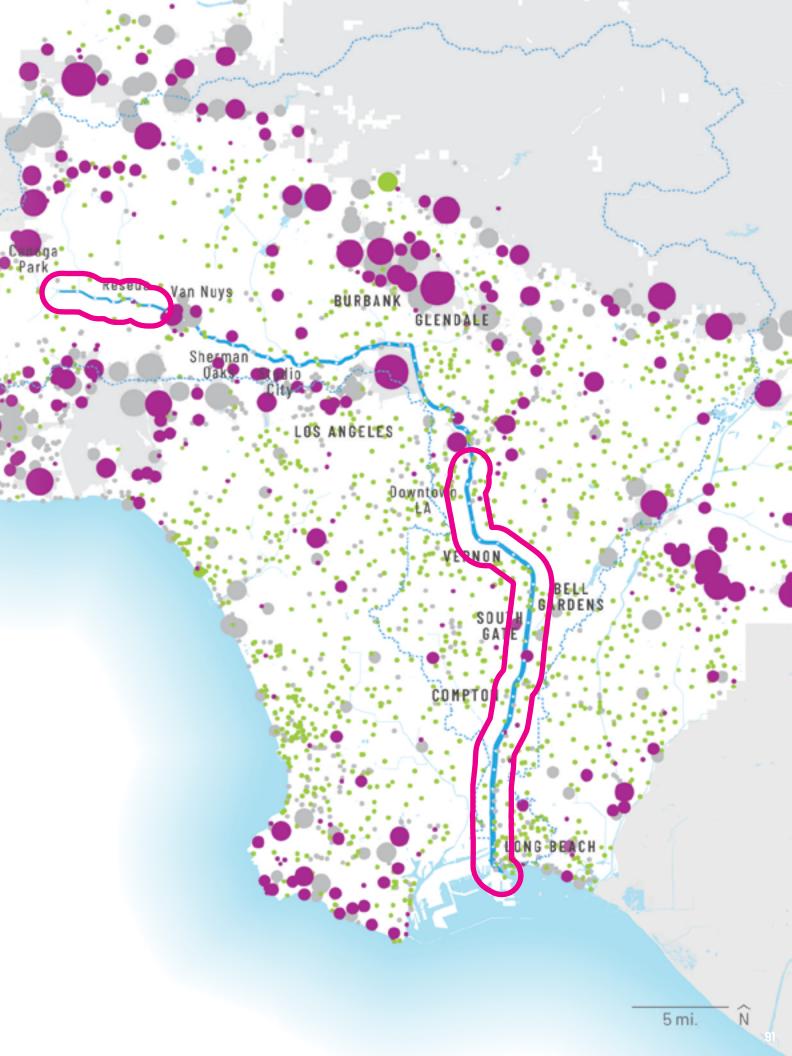
# NO REGIONAL PARKS NEAR THE RIVER NORTH OF SEPULVEDA BASIN OR SOUTH OF DOWNTOWN LA



Regional Parks

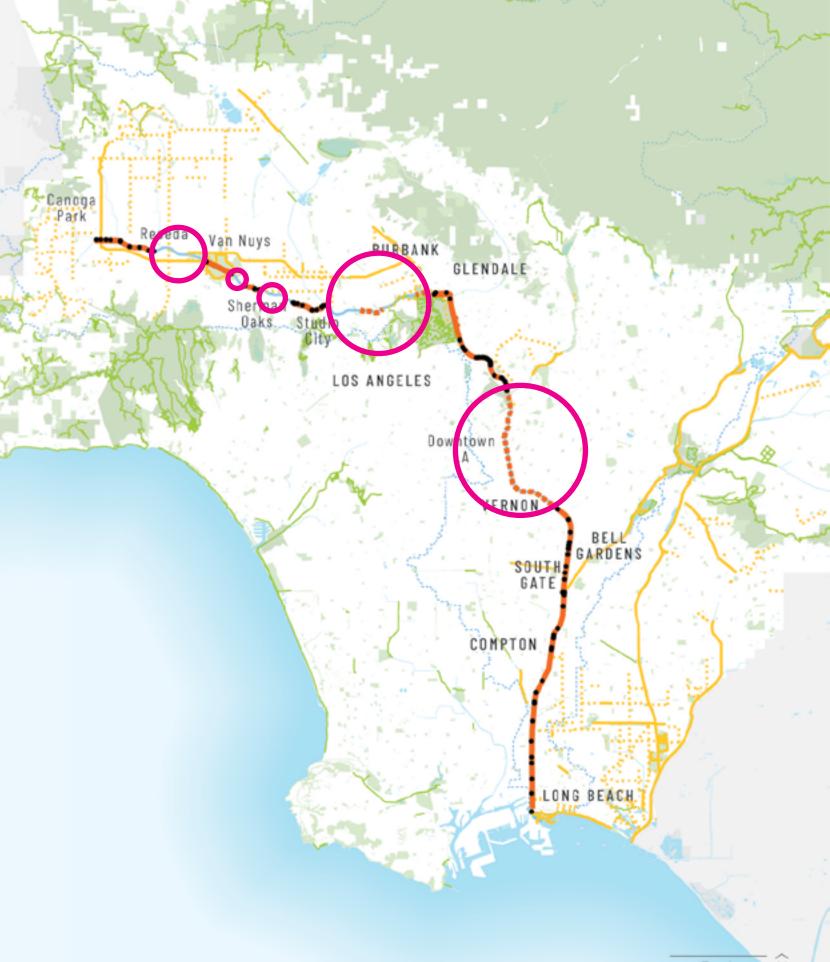
Local Parks

Special Use/Not Classified



21 OF THE 51 MILES HAVE NO TRAILS

- Areas with No Existing River Trails
- Existing River Trail
- Proposed River Trail
  - Official Access Point
- Bike Path Connected to River
- Bike Lane Connected to River
- **Trails**



# PROPOSED TRAILS ARE PRIMARILY LOCATED ALONG Park AND CONNECTING TO THE RIVER AND COMPTON CREEK

- Existing River Trail
- Other Existing Trails
- Proposed Trails

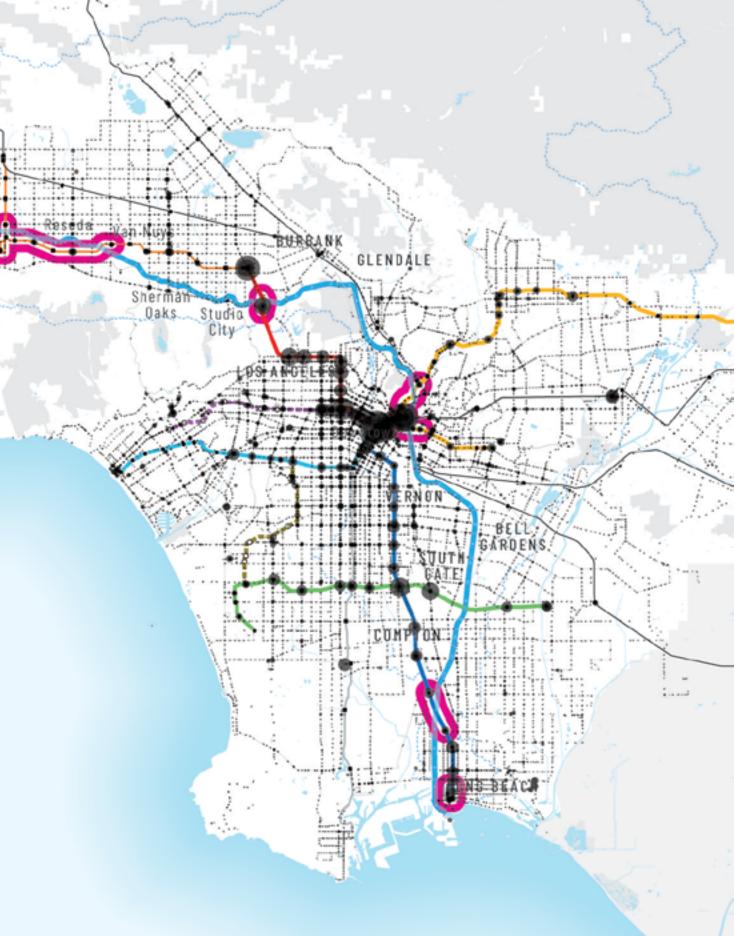


5 mi.

# STATIONS NEAR THE RIVER INCLUDE THOSE WITH SOME OF THE HIGHEST RIDERSHIP



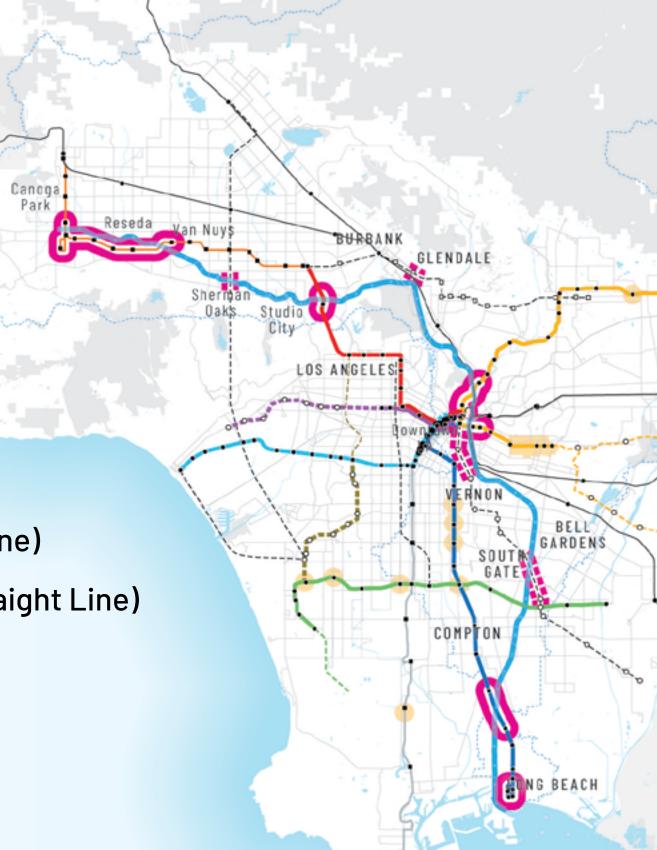
- Higher Ridership
- Lower Ridership



# FUTURE ROUTES WILL MAKE MORE OF THE RIVER ACCESSIBLE BY TRANSIT

Stations within a Half Mile of the River (Straight Line)

Future Stations within a Half Mile of the River (Straight Line)







## LA COUNTY IS A PATCHWORK OF DIVERSE COMMUNITIES

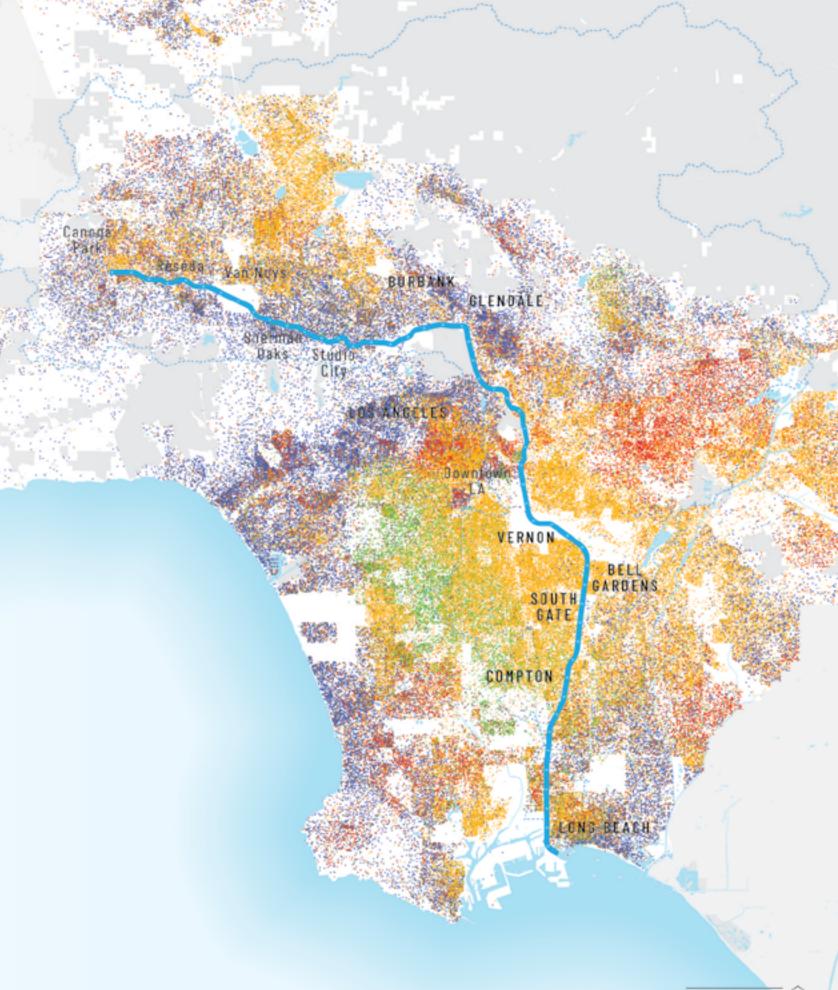
Hispanic 48%

White 27%

Asian 14%

Black 8%

Other 3%



## SINCE 2000, LA COUNTY RESIDENTS HAVE BECOME



Median Age

32 2000

2016

More Hispanic

Percent Hispanic

2000



2016

Source: US Census Bureau Census 2000, 2016 American Community Survey 5-Year Estimates

## COMPARED TO CALIFORNIA, LA COUNTY RESIDENTS ARE

## More Limited in English

Percent Limited English Households

9 \( \text{LA County} \)

More Hispanic

Percent Hispanic

39 \( \text{48}\)
California \( \text{LA County} \)

Less Educated

Percent Finishing High School

82 78
California LA County

Source: US Census Bureau 2016 American Community Survey 5-Year Estimates

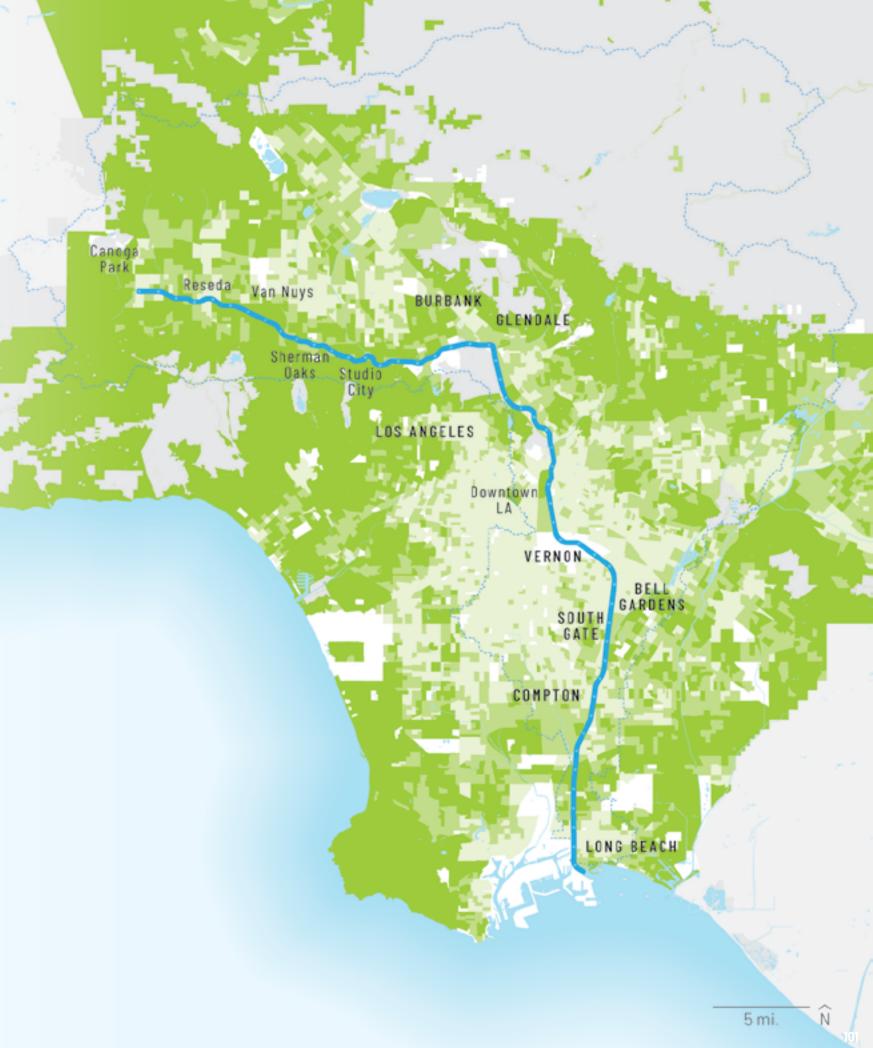
# HIGHER HOUSEHOLD INCOMES ALONG UPPER STRETCH OF THE RIVER

Higher Median Income

County Median Household Income

\$57,900 ±20%

Lower Median Income

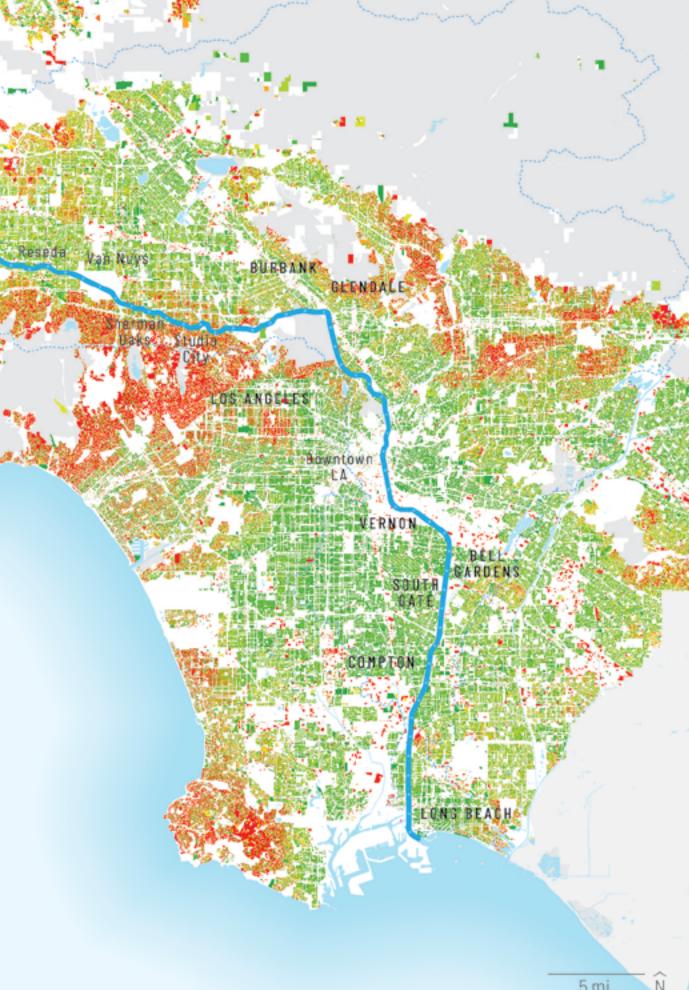




## THE RIVER DOES NOT **APPEAR TO IMPACT HOUSING PRICES**

Over \$900,000 per Unit

Less than \$100,000 per Unit



## SINCE 2000, LA COUNTY RESIDENTS HAVE BEEN



Median Home Value

\$209k \$465k

2000

2016

Rent Percentage of HH Income

2000

2016

## Moving Less Often

**Owners** 

Renters

Median Years in Current Home

2000

2016

2000

2016

Source: US Census Bureau Census 2000, 2016 American Community Survey 5-Year Estimates

## COMPARED TO CALIFORNIA, LA COUNTY RESIDENTS ARE

## Less Likely to Own a Home

Percent Owner Occupied Units

54 V 46
California LA County

## More Likely to Pay More for a Home

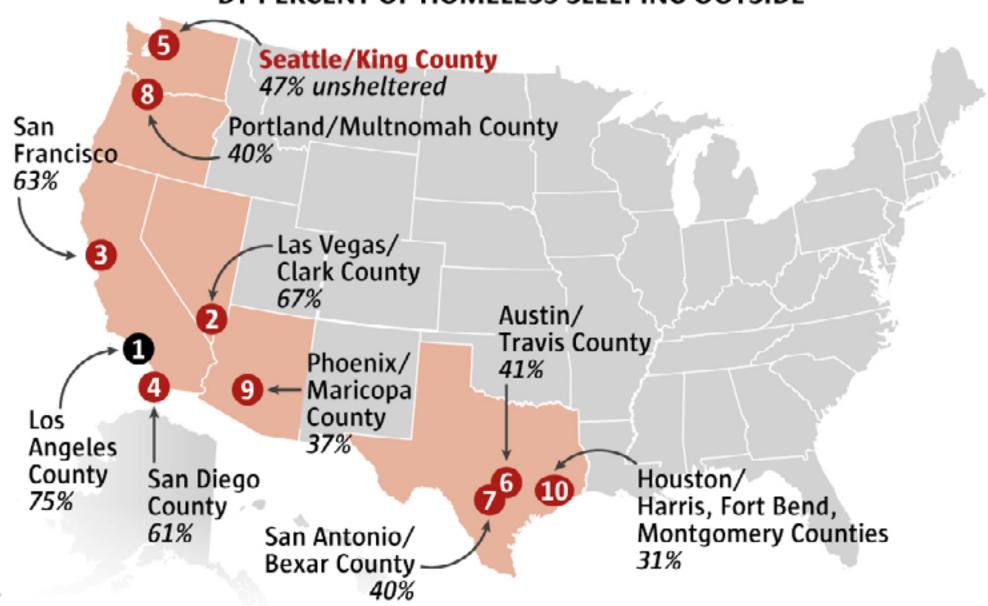
Median Home Value



Source: 2016 American Community Survey 5-Year Estimates

## WHAT CITY HAS THE WORST HOMELESS CRISIS?

## BY PERCENT OF HOMELESS SLEEPING OUTSIDE



Source: U.S. Department of Housing and Urban Development

EMILY M. ENG / THE SEATTLE TIMES

Source: The Seattle Times, 2018

ENGAGEMENT UPDATE VISION AND GOALS INVENTORY & ANALYSIS PUBLIC COMMENT WRAP UP

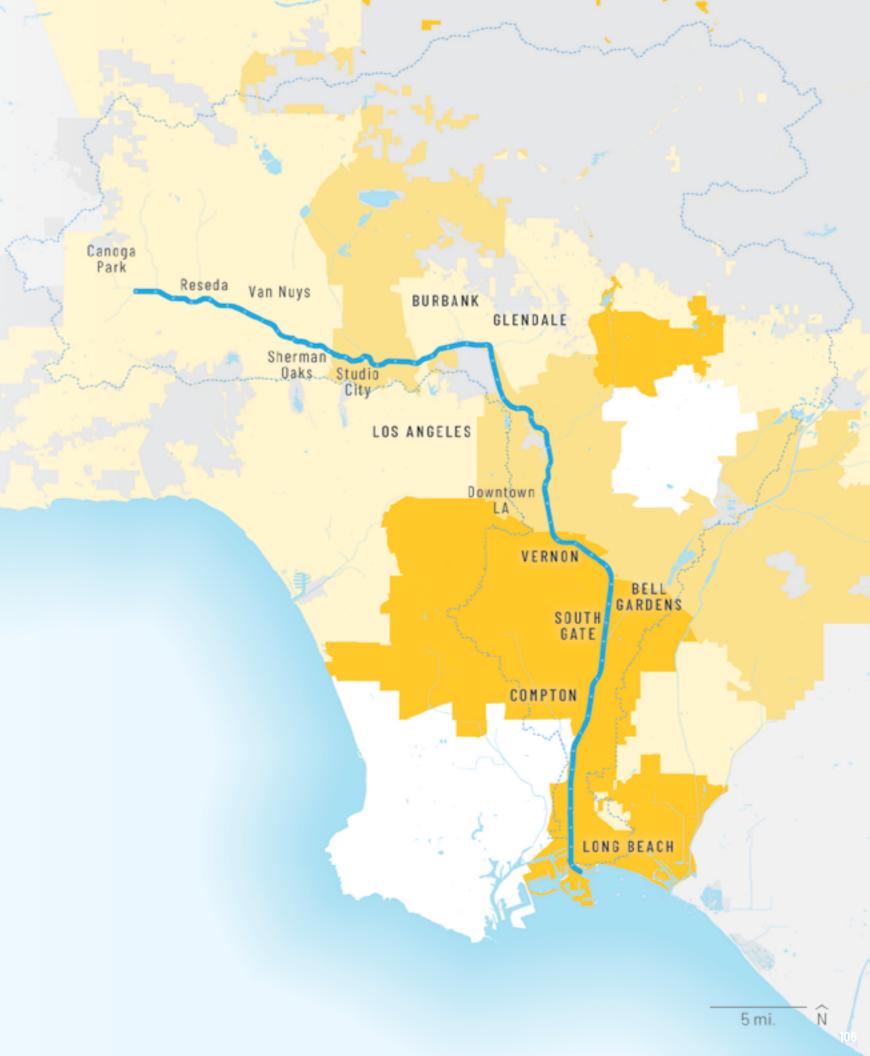
# MORE HOUSING INSTABILITY ALONG THE SOUTHERN HALF OF THE RIVER

More Adults Housing Unstable

**County Percent Adults Housing Unstable** 

±1/2S

Fewer Adults Housing Unstable





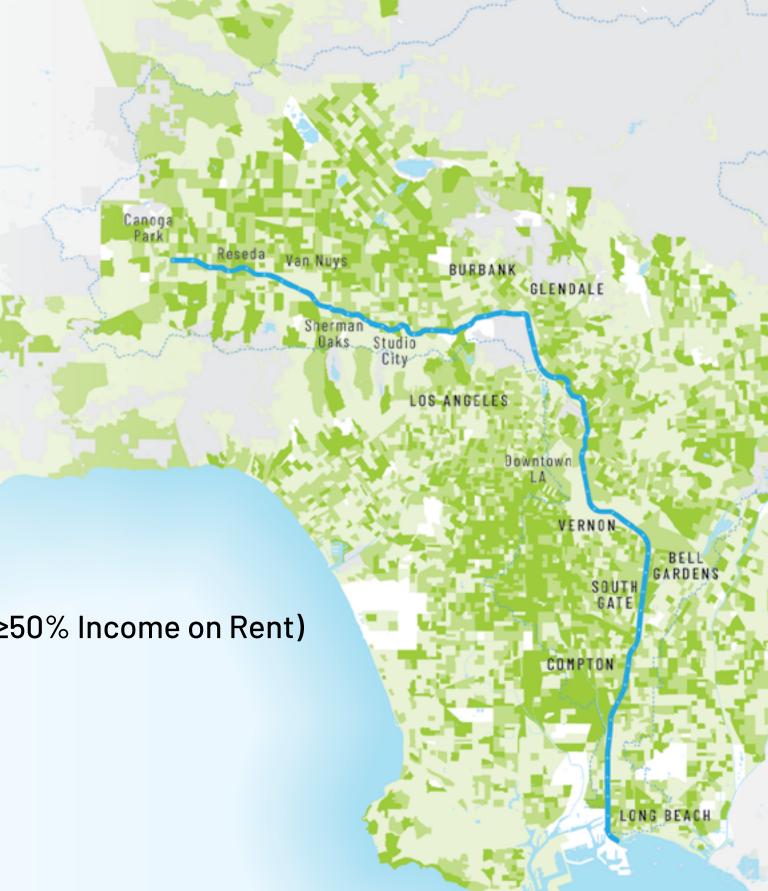
## MANY AREAS ARE SEVERELY RENT BURDENED

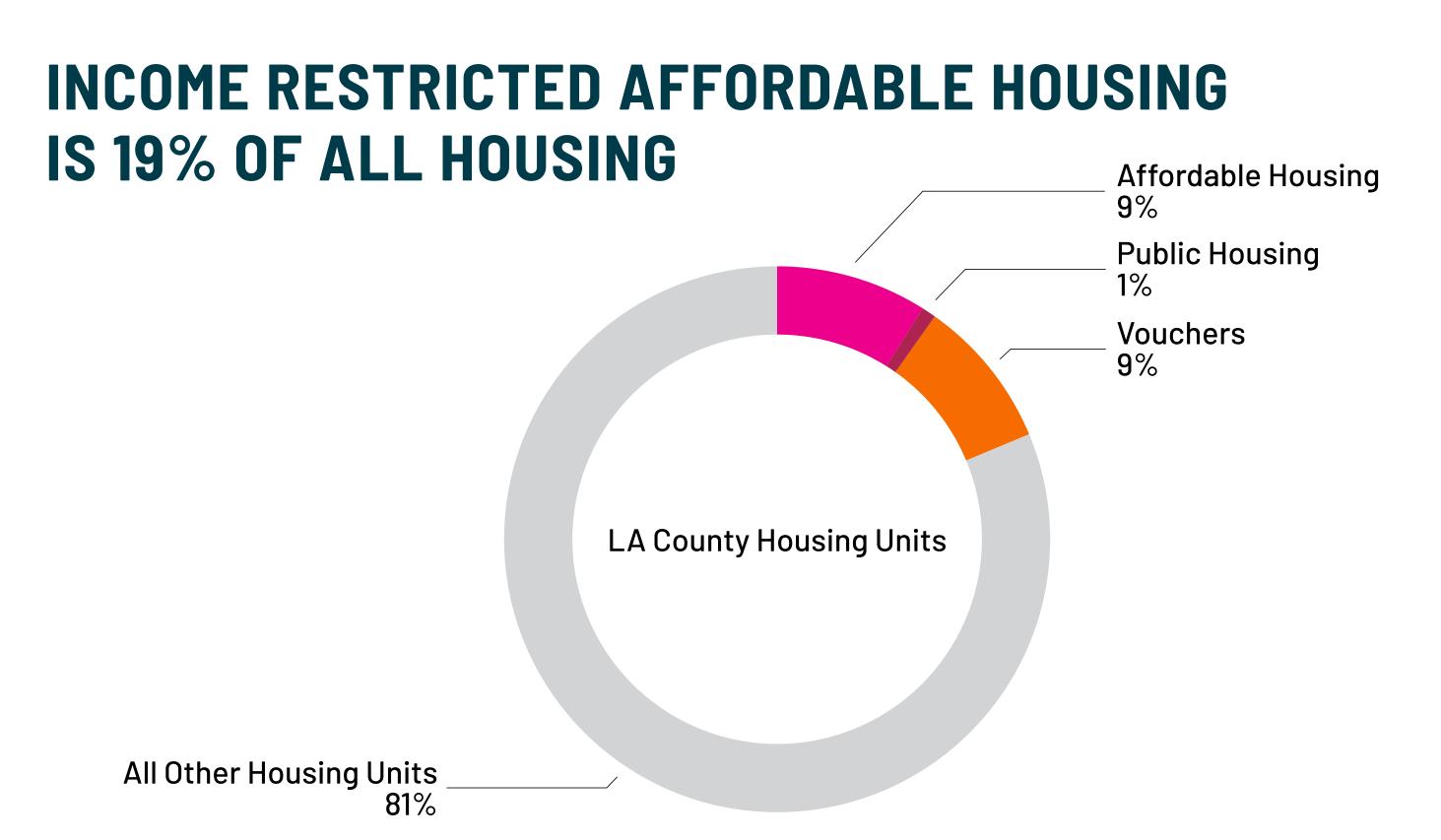
More Severely Rent Burdened

County Percent Severely Rent Burdened (≥50% Income on Rent)

32 ±20%

Fewer Severely Rent Burdened

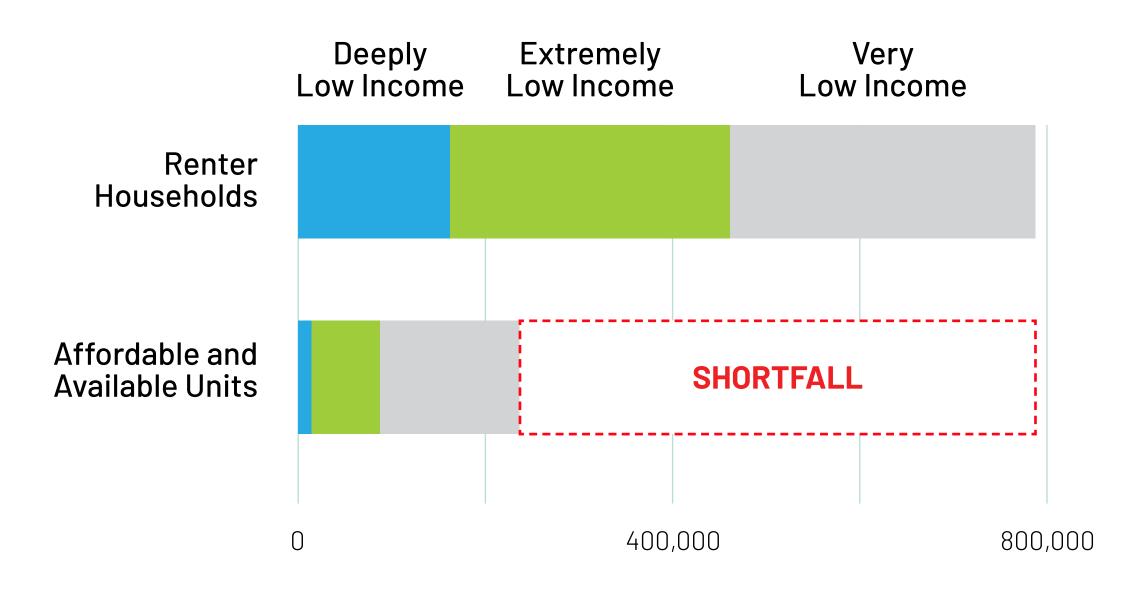




Source: California Housing Partnership Corp, Los Angeles County Annual Housing Outcomes Report, April 2017

ELCOME ENGAGEMENT UPDATE VISION AND GOALS INVENTORY & ANALYSIS PUBLIC COMMENT WRAP UP

# LA COUNTY NEEDS TO ADD MORE THAN 550,000 AFFORDABLE HOMES TO MEET CURRENT DEMAND



Source: California Housing Partnership Corp, Los Angeles County Annual Housing Outcomes Report, April 2017

## MEASURING DISPLACEMENT RISK

# VUNLERABLE TO DISPLACEMENT

Areas with a high share of vulnerable households

## High Percentages of 3 of the Following:

- Low-Income Households
- Non-College-Educated
   Adults
- Renters
- Non-White Households

# AT RISK OF DISPLACEMENT

Low income areas with proven risk factors

# Vulnerable Plus 2 of the Following:

- Nearby Rail Station
- High % Pre-1950 Buildings
- High Employment Density
- Rents Rising Faster than County Average

# ONGOING DISPLACEMENT

Low income areas that are changing quickly

- Low Income Area
- Growing Population
- Loss of Lower Income Population
- Rents Rising Faster than County Average

# ADVANCED DISPLACEMENT

Not currently low income but getting whiter and more expensive

# NOT a Low Income Area Plus Above Average Growth in:

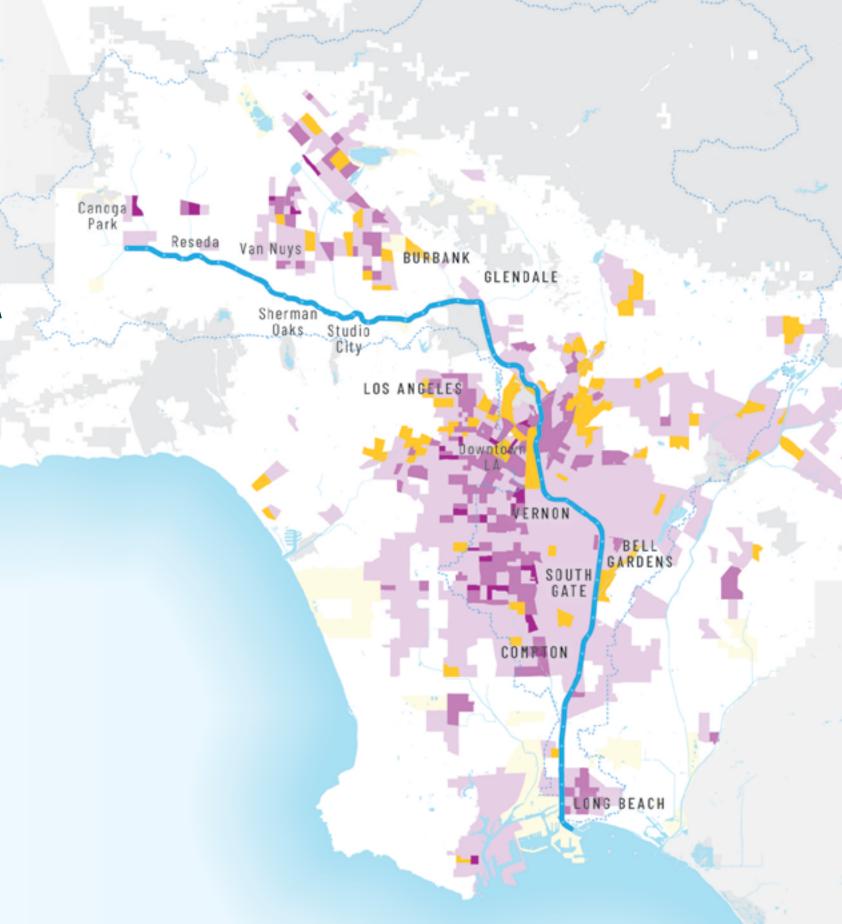
- College-Educated Adults
- White Population
- Median Income
- Rents

#### **SOCIAL EQUITY**

# DISPLACEMENT RISK IS MOST PERVASIVE **BETWEEN DOWNTOWN LA AND COMPTON**

- **Advanced Displacement**
- **Ongoing Displacement**
- At Risk of Displacement
- Vulnerable to Displacement
- Not Vulnerable
- No Data

Preliminary, Subject to Further Refinement

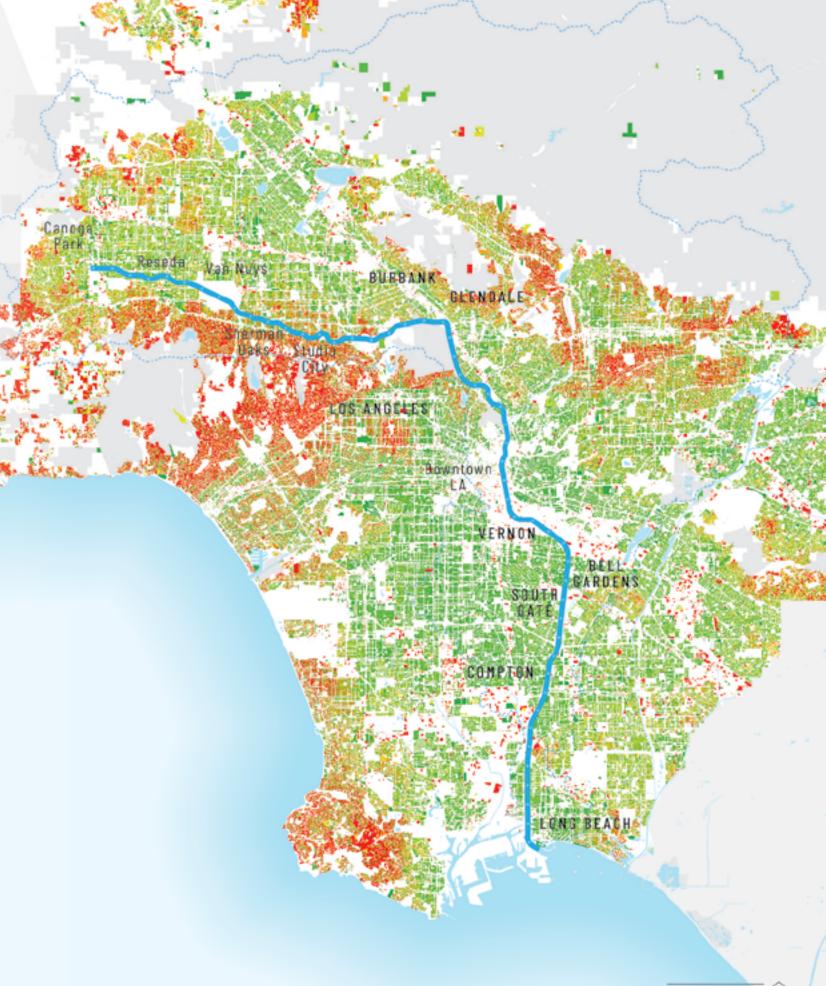




# IF THE RIVER BECOMES AN AMENITY, HOW WILL THAT IMPACT DISPLACEMENT?

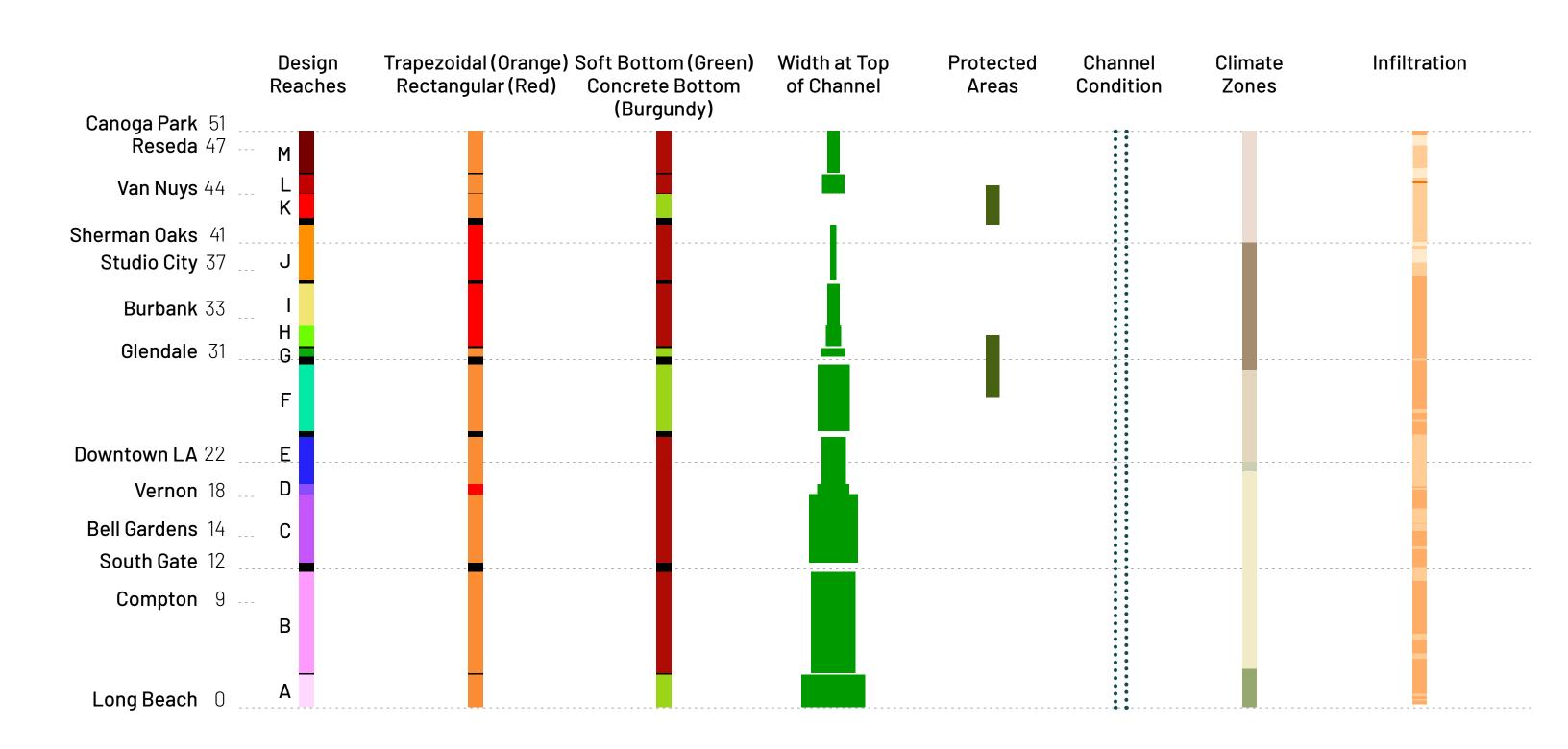
Over \$900,000 per Unit

Less than \$100,000 per Unit

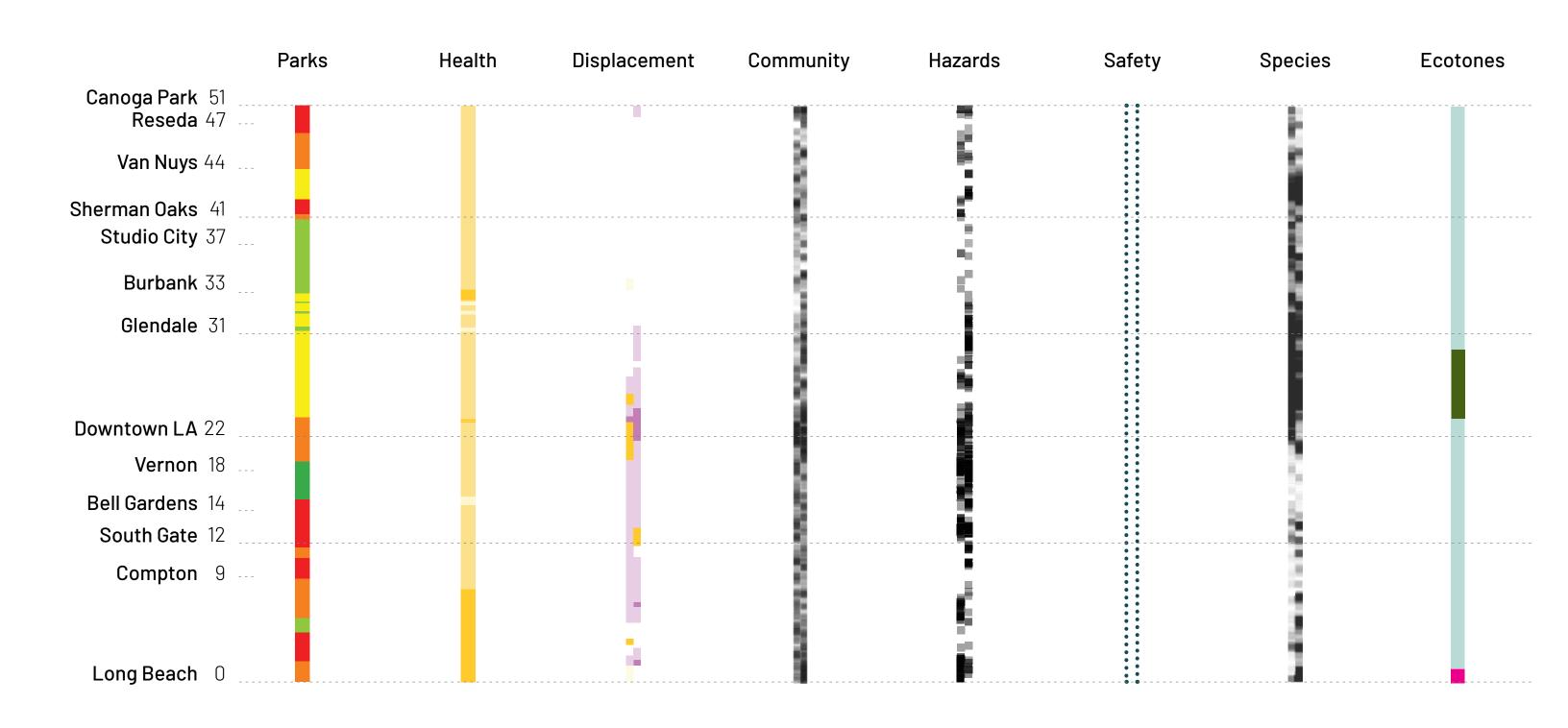




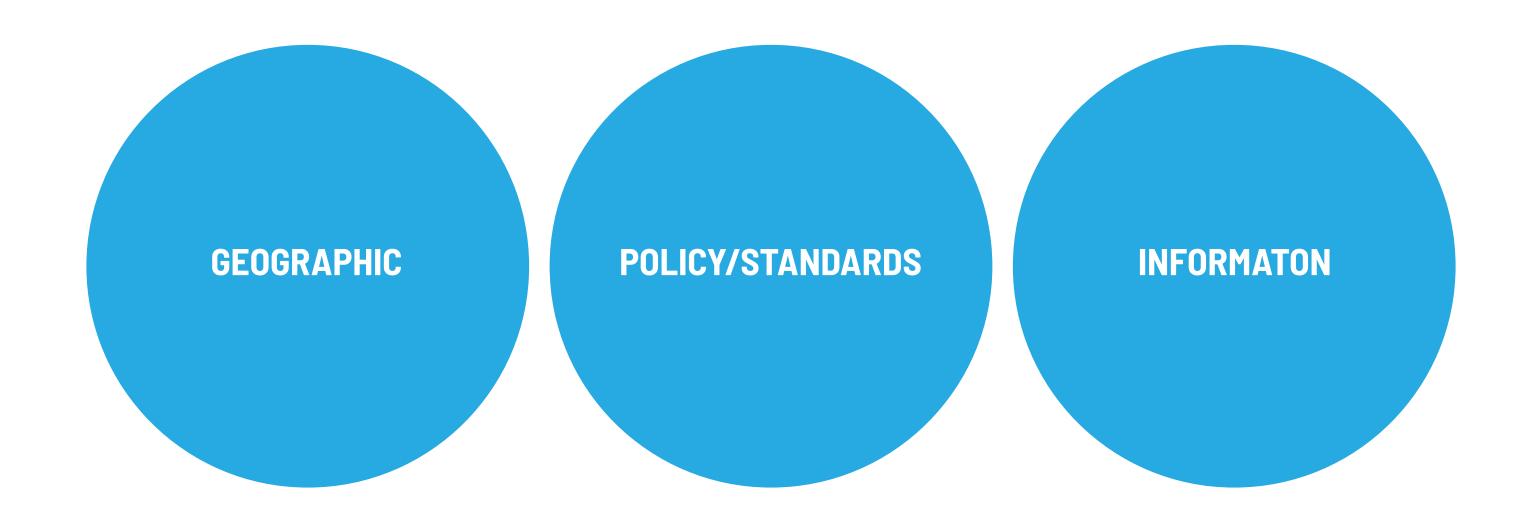
# PHYSICAL CONDITIONS OF THE RIVER



# **GEOGRAPHIC GAP ANALYSIS**

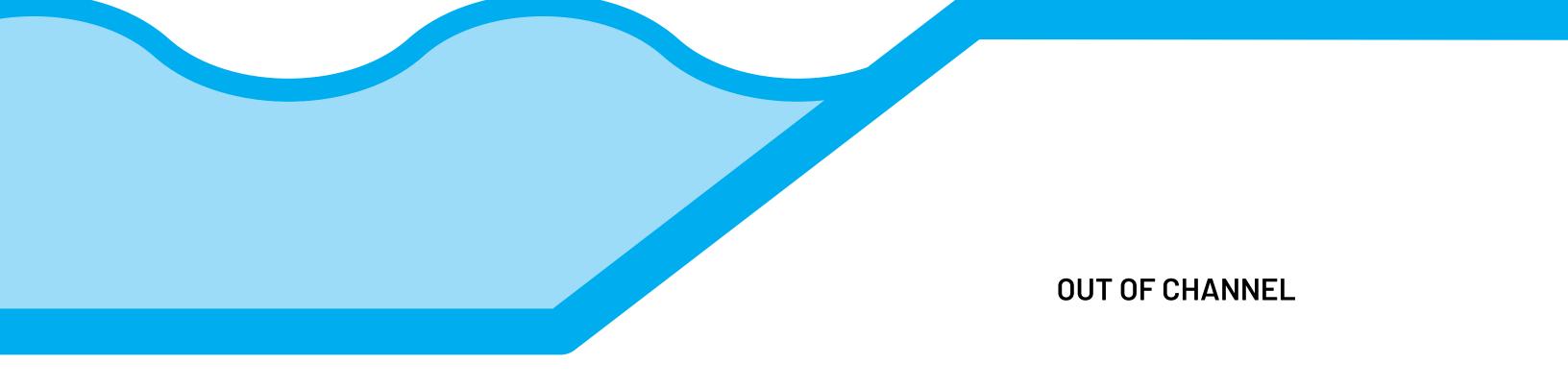


# **GAP ANALYSIS**



# **ADDRESSING GAPS**

**IN CHANNEL** 



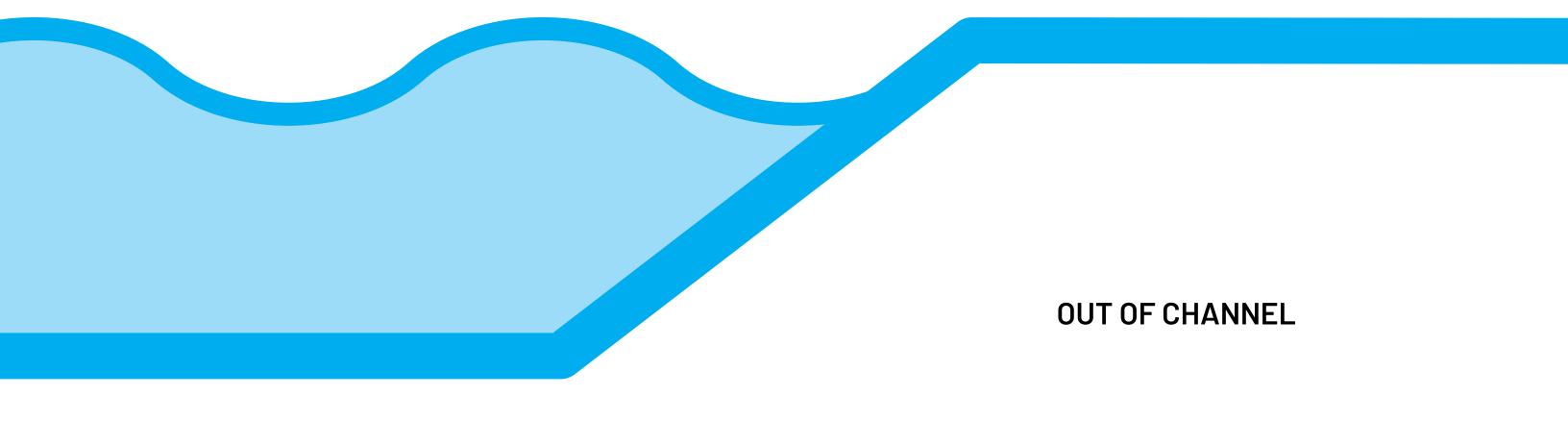
# **KNOWN PROJECTS**





# **KIT OF PARTS**

**IN CHANNEL** 



# Q&AANDDISCUSSION Source: USCAE, 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



## 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



#### **Important Upcoming Dates:**

- Subcommittee Meeting #2 July 11, 2018
- Stakeholder Meeting #1 (Canoga Park) July 25, 2018
- Steering Committee Meeting #3 September 26, 2018
- Subcommittee Meetings #3 October 3, 2018

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

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



### Geosyntec consultants

#### OLIN

Gehry Partners, LLP



KEARNS \$ WEST

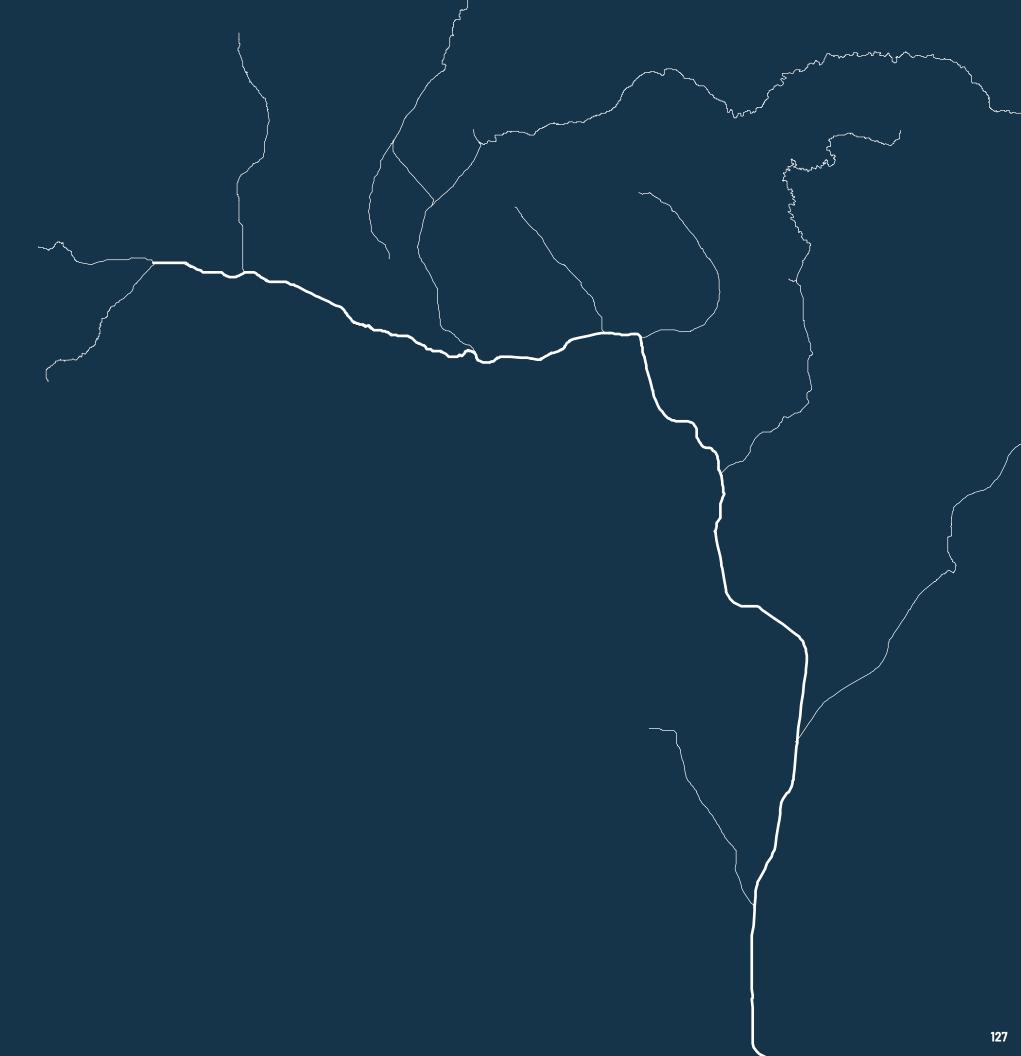




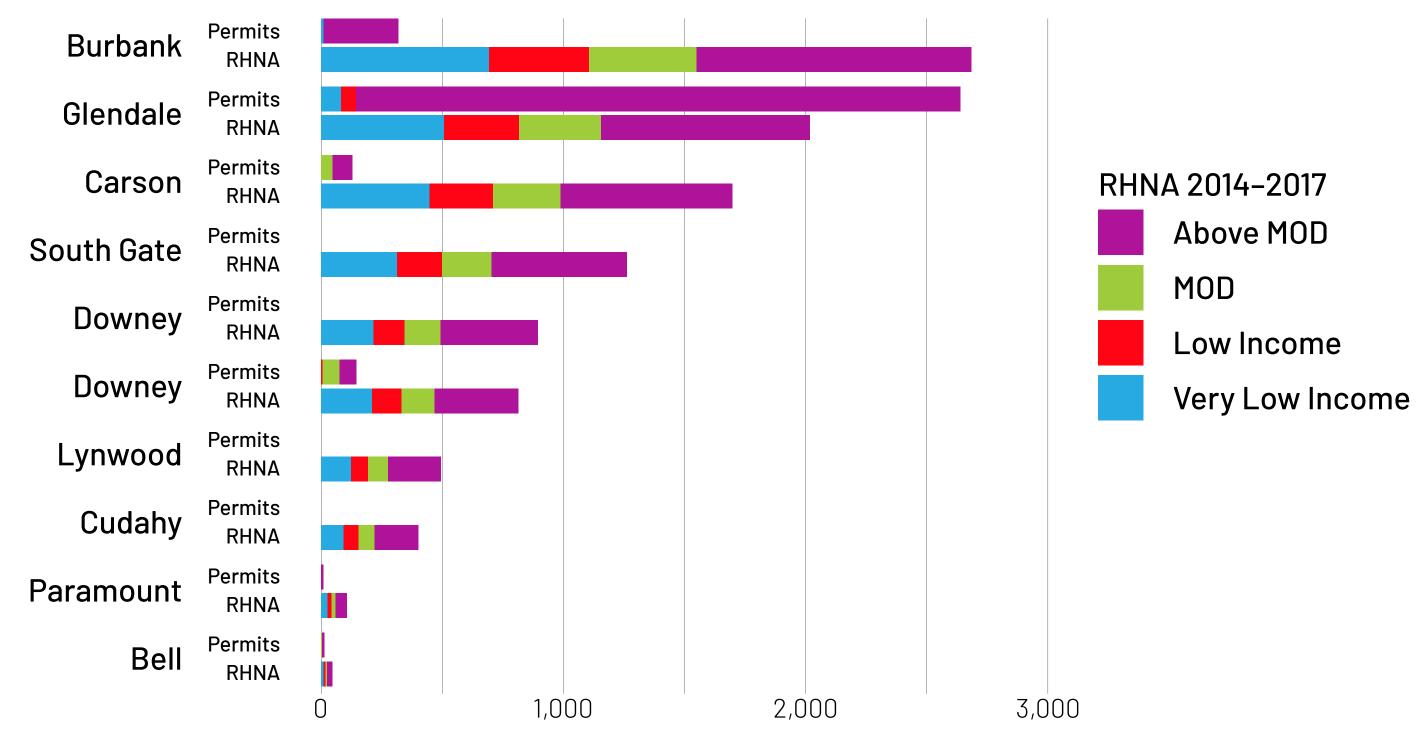


Mercury.

# APPENDIX

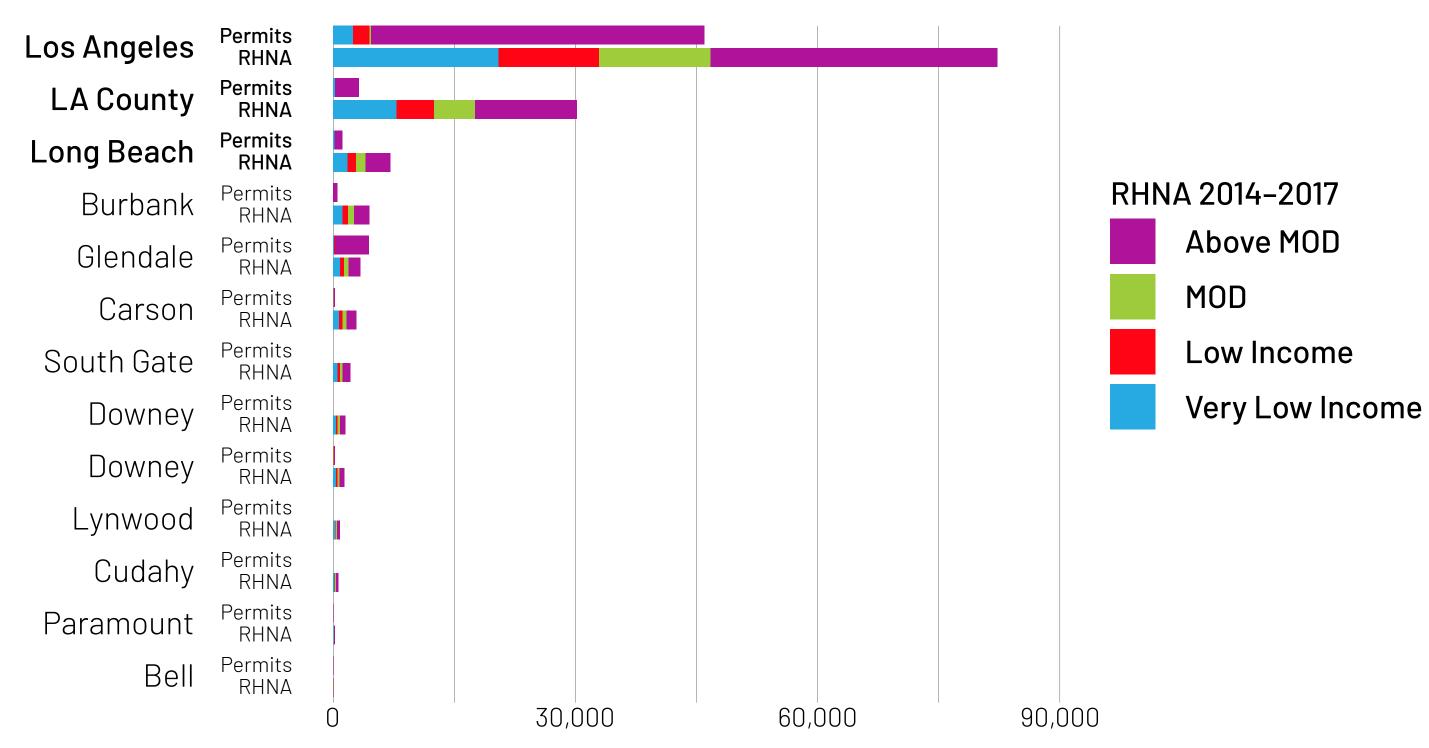


## BUILDING IS FALLING FAR SHORT OF NEED



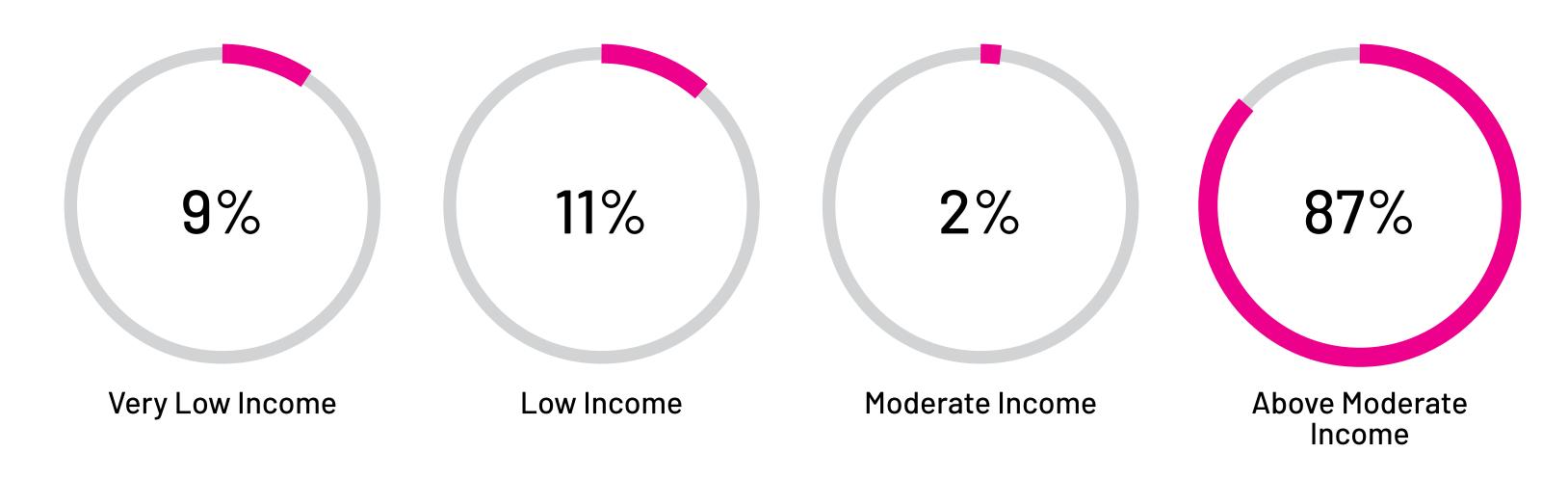
Source: California Department of Housing and Community Development, 5th Annual Progress Report Summary, 2.25.2018

## BUILDING IS FALLING FAR SHORT OF NEED



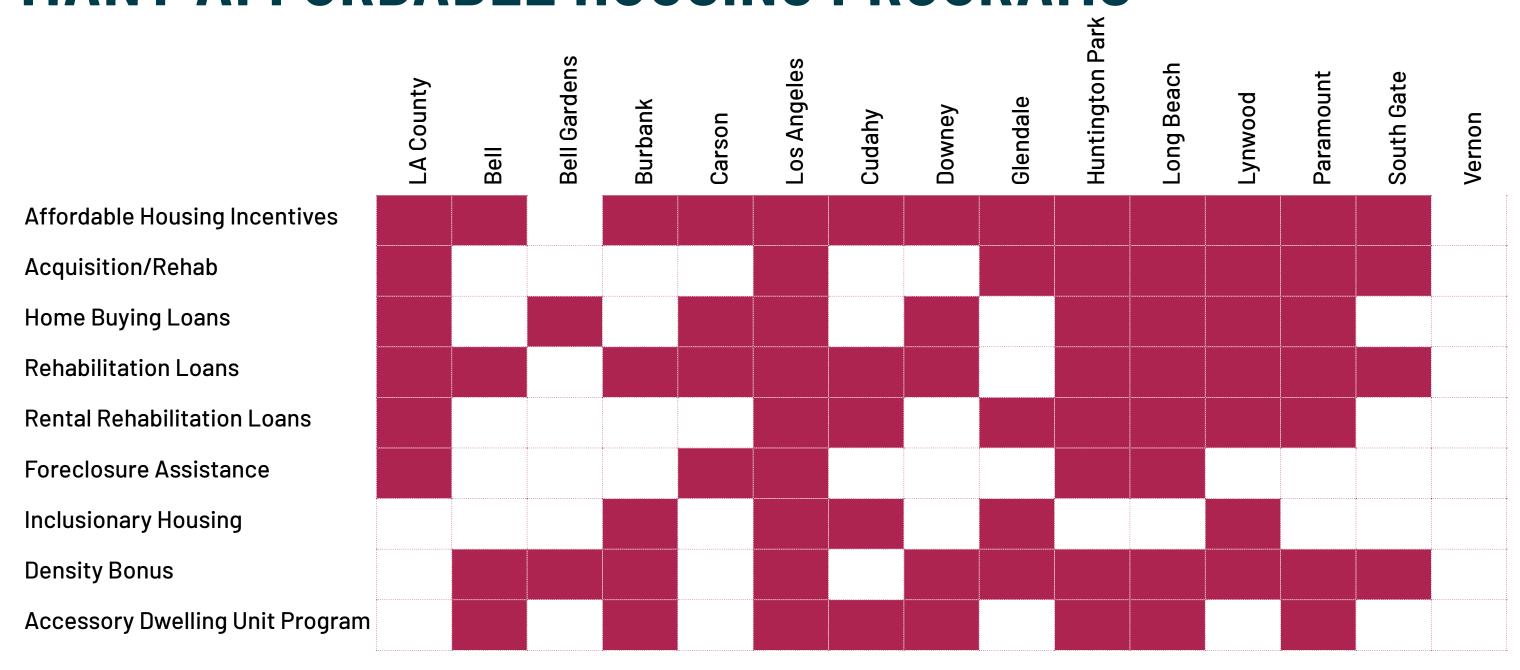
Source: California Department of Housing and Community Development, 5th Annual Progress Report Summary, 2.25.2018

# PARTICULARLY FOR LOW AND MODERATE INCOME UNITS



Source: California Department of Housing and Community Development, 5th Annual Progress Report Summary, 2.25.2018

# RIVER ADJACENT COMMUNITIES ARE OPERATING MANY AFFORDABLE HOUSING PROGRAMS



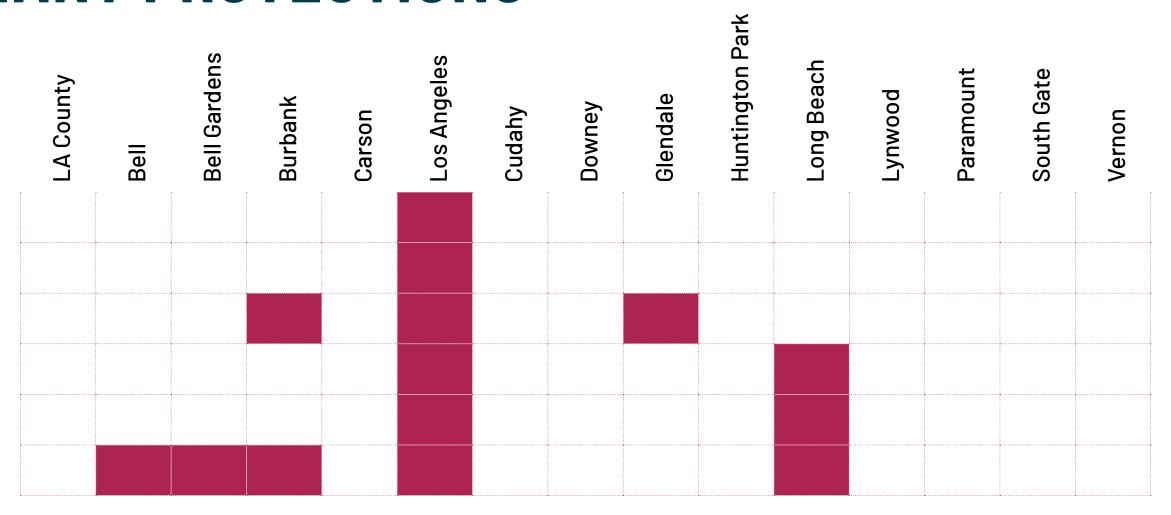
Source: Most recent local housing elements

# AND PROVIDE A GROWING RANGE OF PROGRAMS TO ADDRESS THE HOMELESSNESS CRISIS



Source: Most recent local housing elements

# FEW RIVER ADJACENT COMMUNITIES HAVE STRONG TENANT PROTECTIONS



**Rent Control** 

**Just Cause for Eviction** 

**Rent Board/Rent Mediation** 

**Relocation Fees** 

**Relocation Assistance** 

**Proactive Rental Inspections**