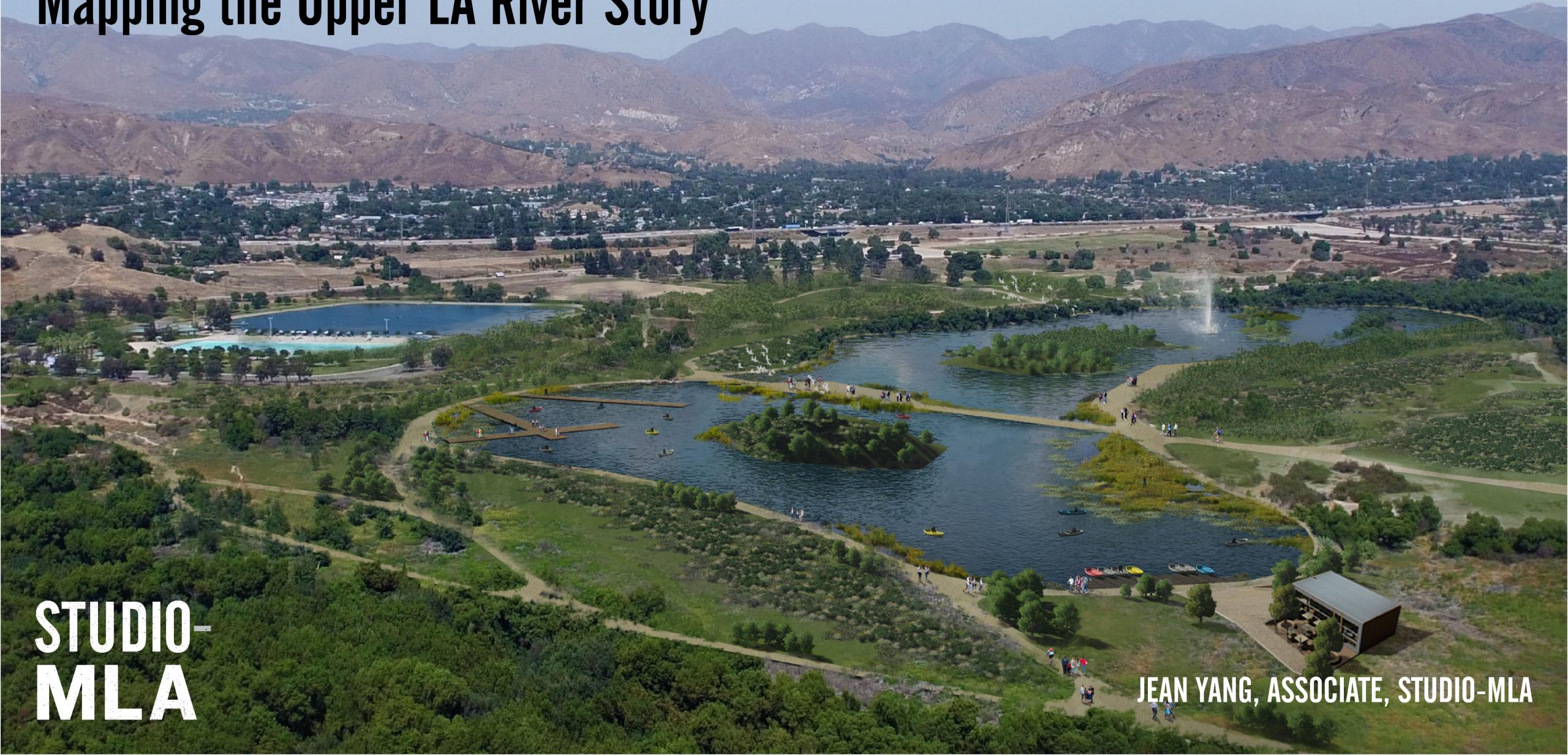


800 SQUARE MILES

Mapping the Upper LA River Story



STUDIO-
MLA

JEAN YANG, ASSOCIATE, STUDIO-MLA

800 SQUARE MILES

Mapping the Upper LA River Story

RE-THINKING THE QUEST
FOR THE PERFECT SHAPE FILE

STUDIO-
MLA

JEAN YANG, ASSOCIATE, STUDIO-MLA

Opinion

Maps Don't Lie

Unless someone goes out of his way to try to make one do so.



By Charles M. Blow
Opinion Columnist

Sept. 8, 2019

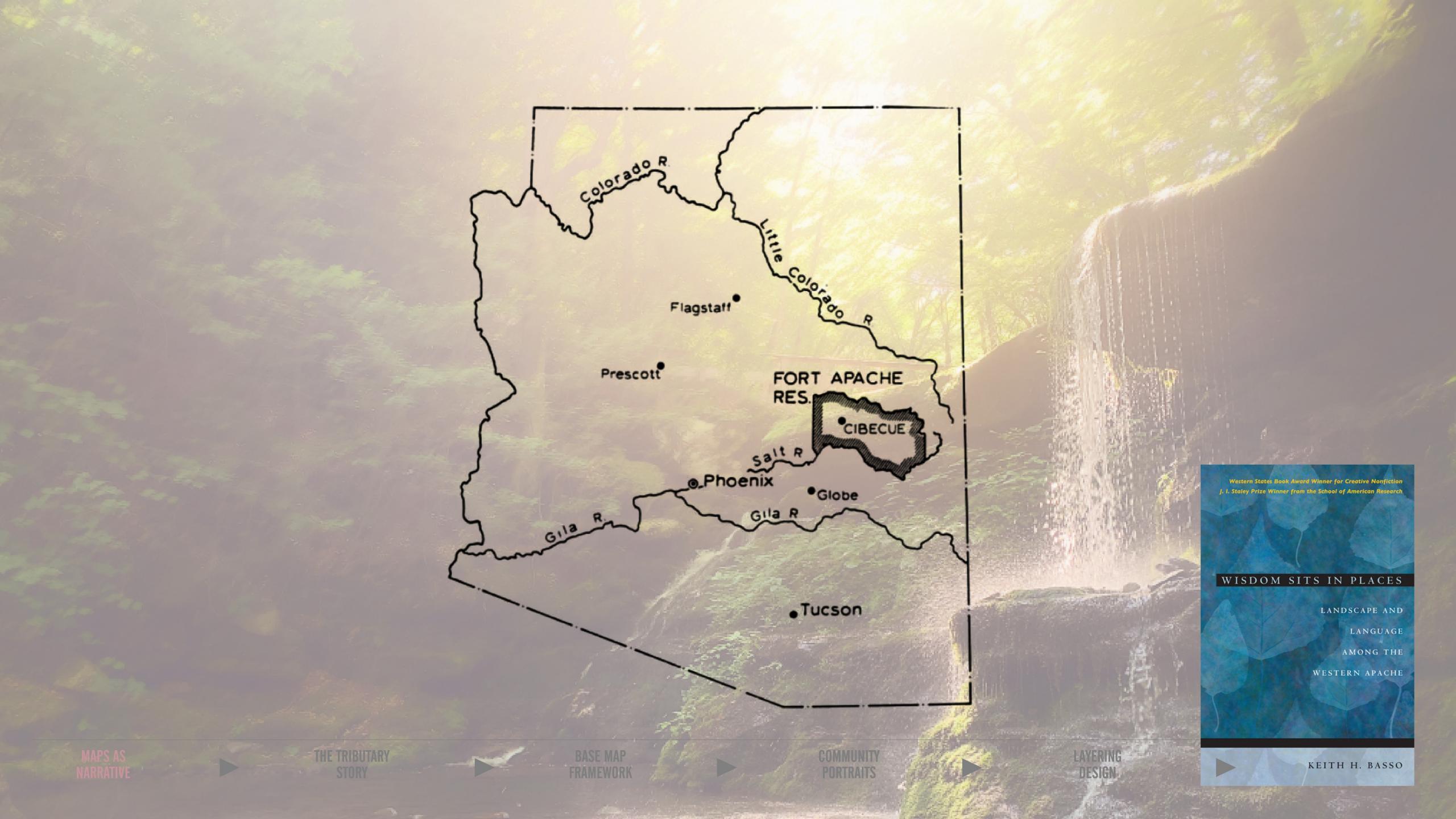


766



President Trump on Wednesday with a map of a previously projected path of Hurricane Dorian. Michael Reynolds/EPA, via Shutterstock





MAPS AS
NARRATIVE



THE TRIBUTARY
STORY



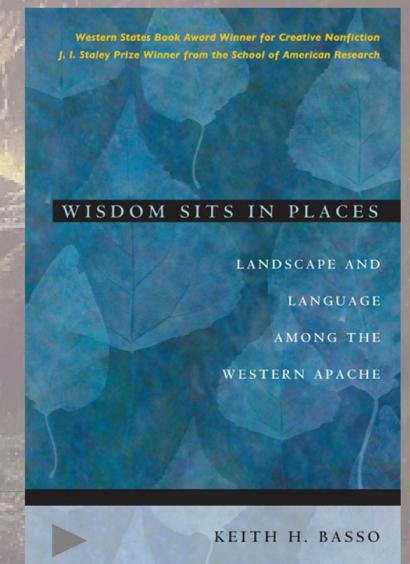
BASE MAP
FRAMEWORK



COMMUNITY
PORTRAITS



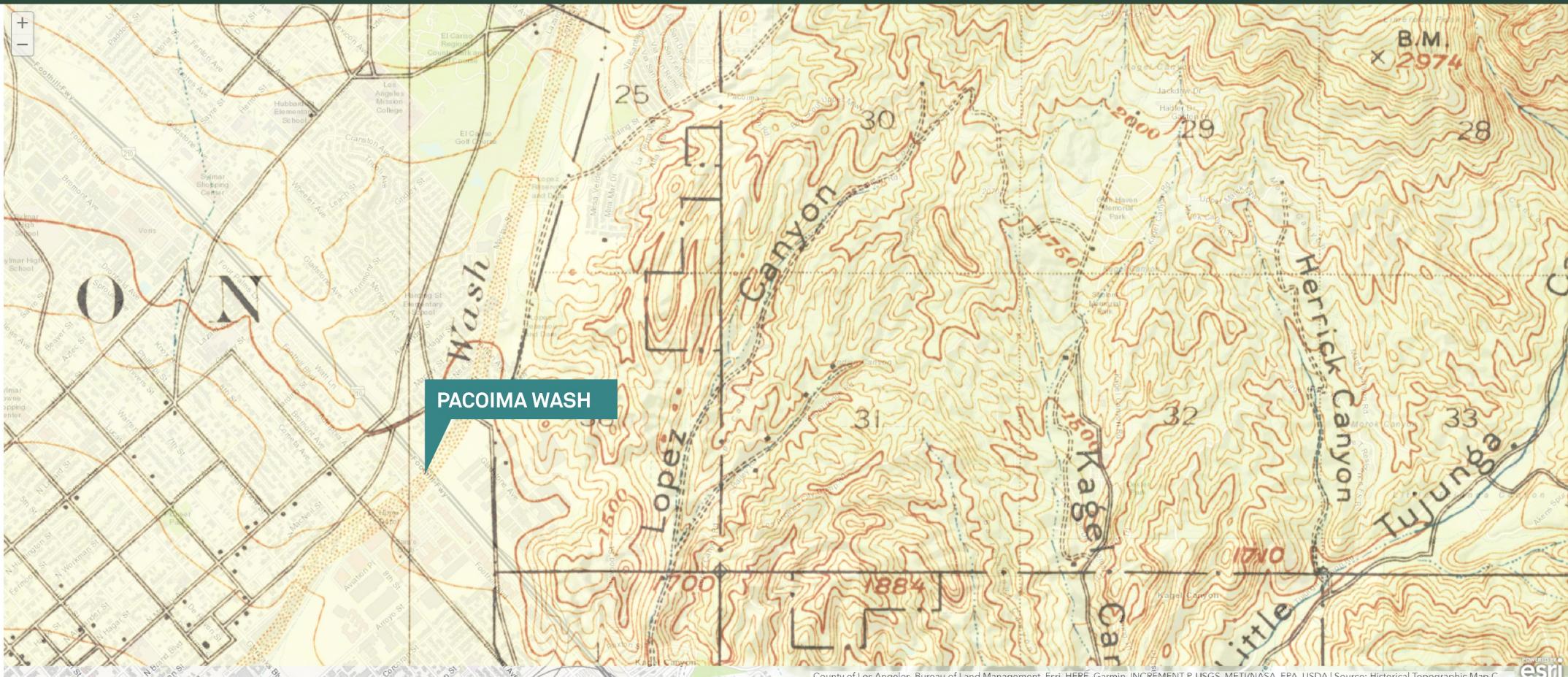
LAYERING
DESIGN



Find a place you want to explore, then Click on a location to see its historical maps.

3 Compare maps using the transparency sliders, and Reorder maps by dragging them.

[Sign in](#) to save web maps to your ArcGIS Online account



Historical Map Scales

- 250,000
- 125,000
- 62,500
- 24,000
- 12,000



USGS, 1900

Reset

MAPS AS
NARRATIVE



THE TRIBUTARY
STORY



BASE MAP
FRAMEWORK



COMMUNITY
PORTRAITS



LAYERING
DESIGN



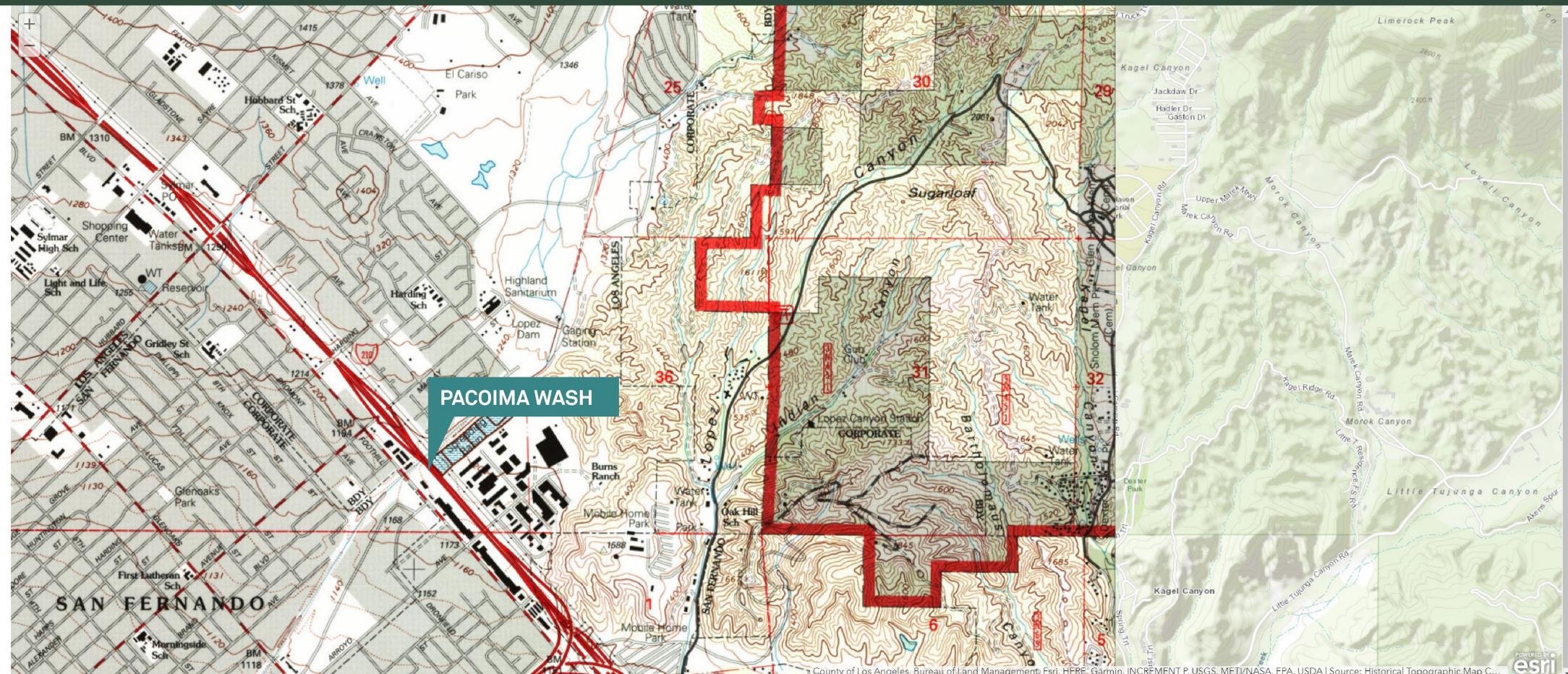
SUMMING
IT UP

Find a place you want to explore, then Click on a location to see its historical maps.

(X)

3 Compare maps using the transparency sliders, and Reorder maps by dragging them.

[Sign in](#) to save web maps to your ArcGIS Online account



Historical Map Scales

250,000
125,000
62,500
24,000
12,000



USGS, 1988

[Reset](#)

MAPS AS
NARRATIVE



THE TRIBUTARY
STORY



BASE MAP
FRAMEWORK



COMMUNITY
PORTRAITS

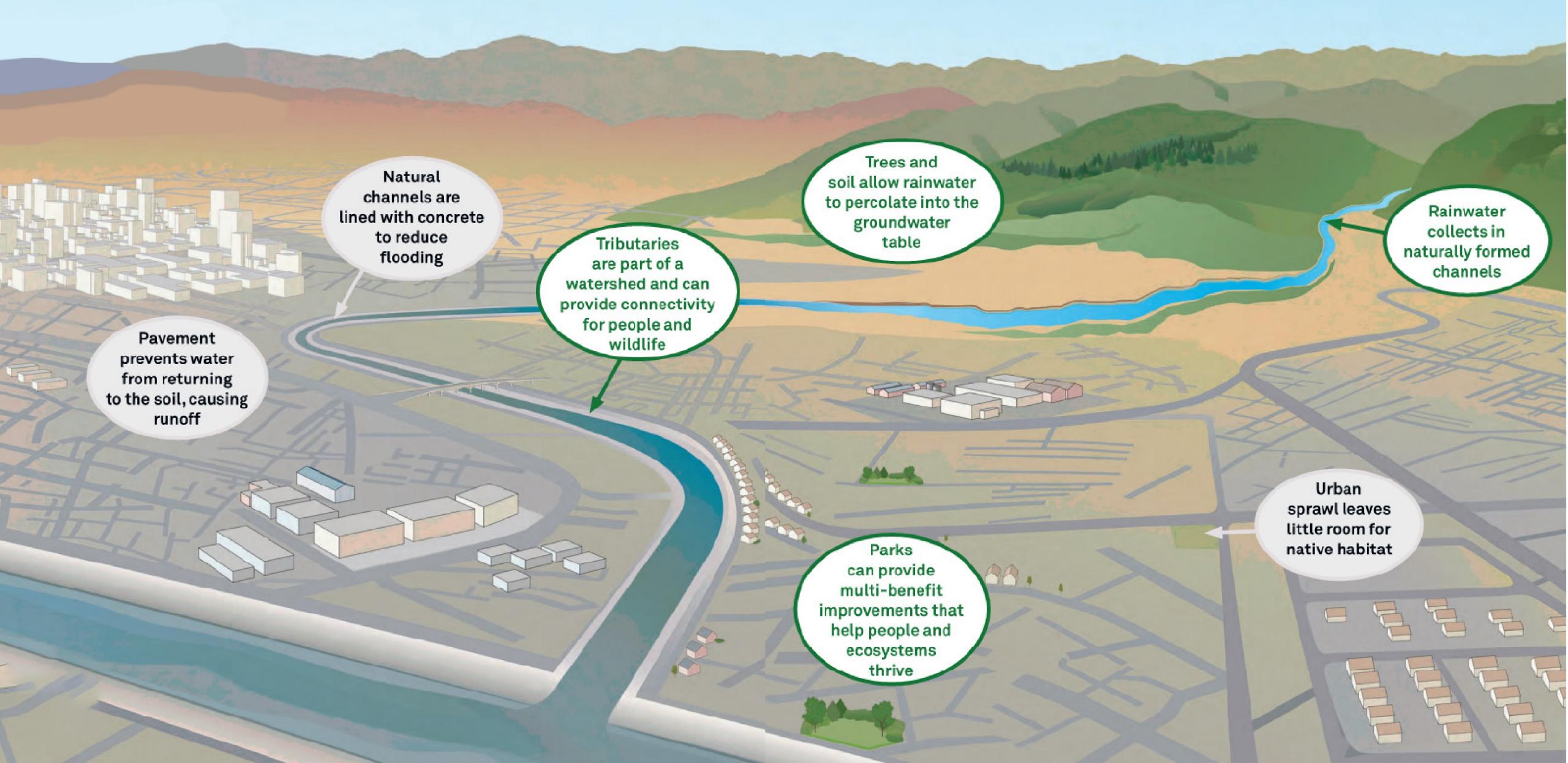


LAYERING
DESIGN



SUMMING
IT UP

USGS, 1988





MAPS AS
NARRATIVE



THE TRIBUTARY
STORY



BASE MAP
FRAMEWORK



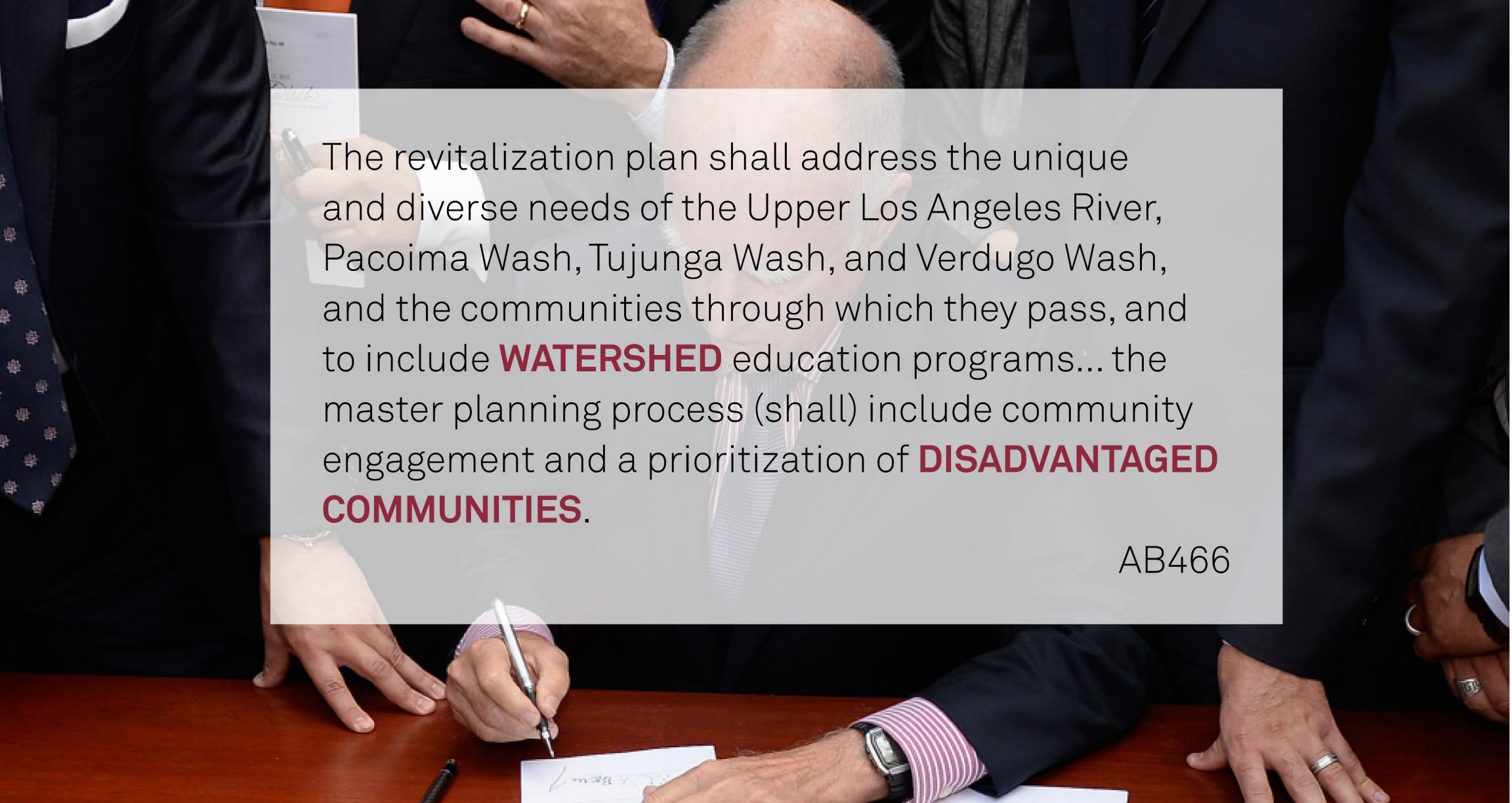
COMMUNITY
PORTRAITS



LAYERING
DESIGN



SUMMING
IT UP



The revitalization plan shall address the unique and diverse needs of the Upper Los Angeles River, Pacoima Wash, Tujunga Wash, and Verdugo Wash, and the communities through which they pass, and to include **WATERSHED** education programs... the master planning process (shall) include community engagement and a prioritization of **DISADVANTAGED COMMUNITIES.**

AB466



scale one
WATERSHED

scale two
COMMUNITY

MAPS AS
NARRATIVE



THE TRIBUTARY
STORY



BASE MAP
FRAMEWORK



COMMUNITY
PORTRAITS



LAYERING
DESIGN

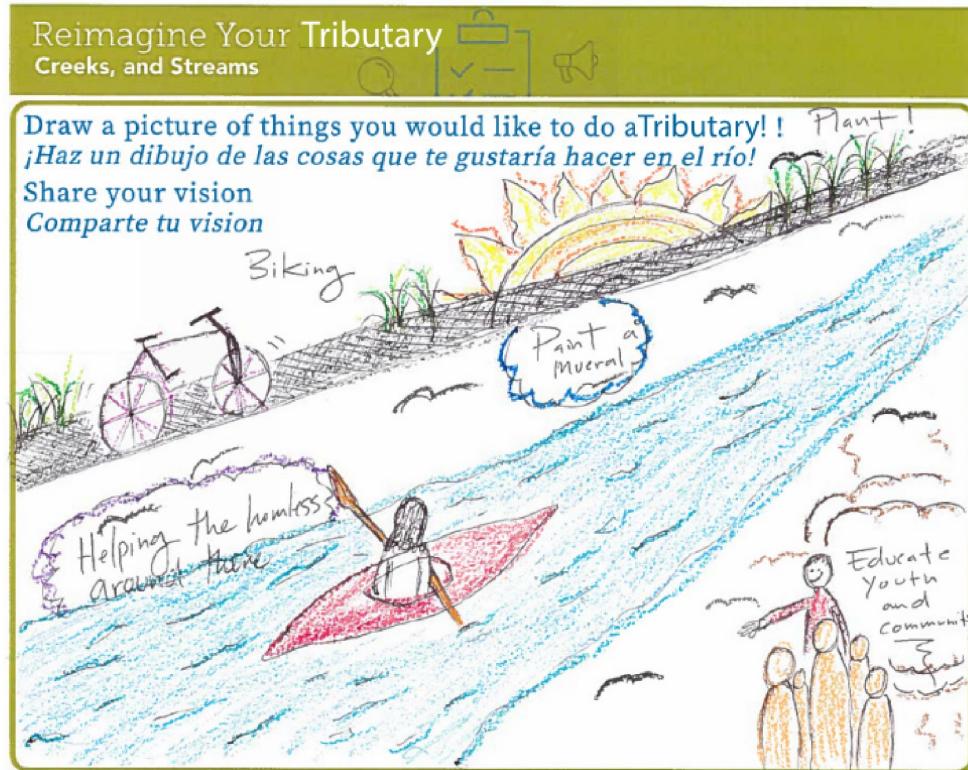


SUMMING
IT UP



scale three

I TRIBUTARIES



I have **tributary** dreams,
I dream of a waterway that is
Wide and Narrow,
Deep and shallow,
A waterway that can be whatever
It wants and needs and was born to be

Water that is clean and fresh,
Born of water from the sky,
Carried down the mountains,
And spreads itself out,
Replenishes the lands as it shares its life,
Giving soul as it makes its way to the sea

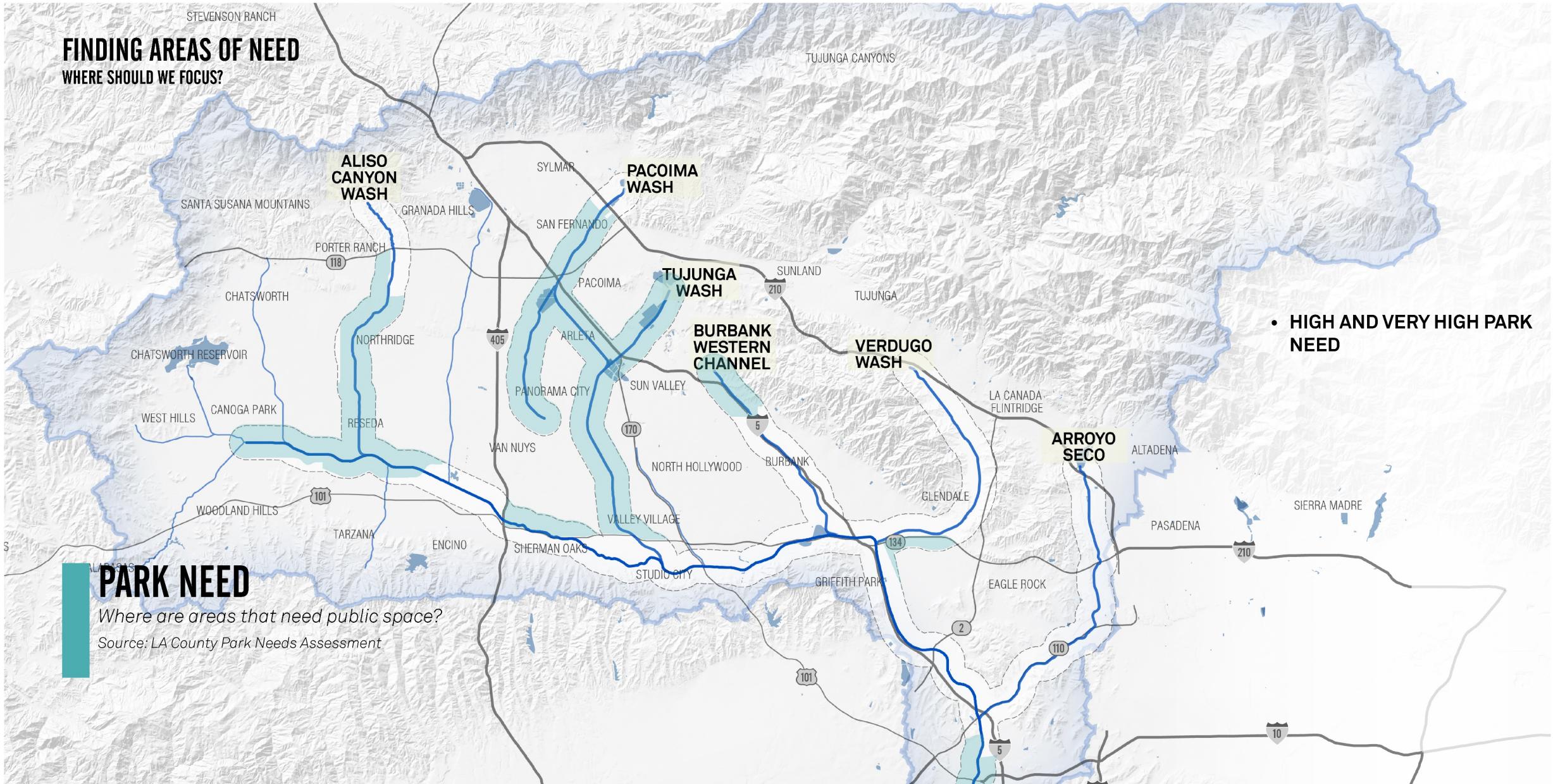
- Pacoima Resident
Written at a Community Meeting

Wonder - is not precisely Knowing
And not precisely Knowing not -

Emily Dickinson

STEVENSON RANCH

FINDING AREAS OF NEED WHERE SHOULD WE FOCUS?



MAPS AS
NARRATIVE



THE TRIBUTARY
STORY



BASE MAP
FRAMEWORK



COMMUNITY
PORTRAITS



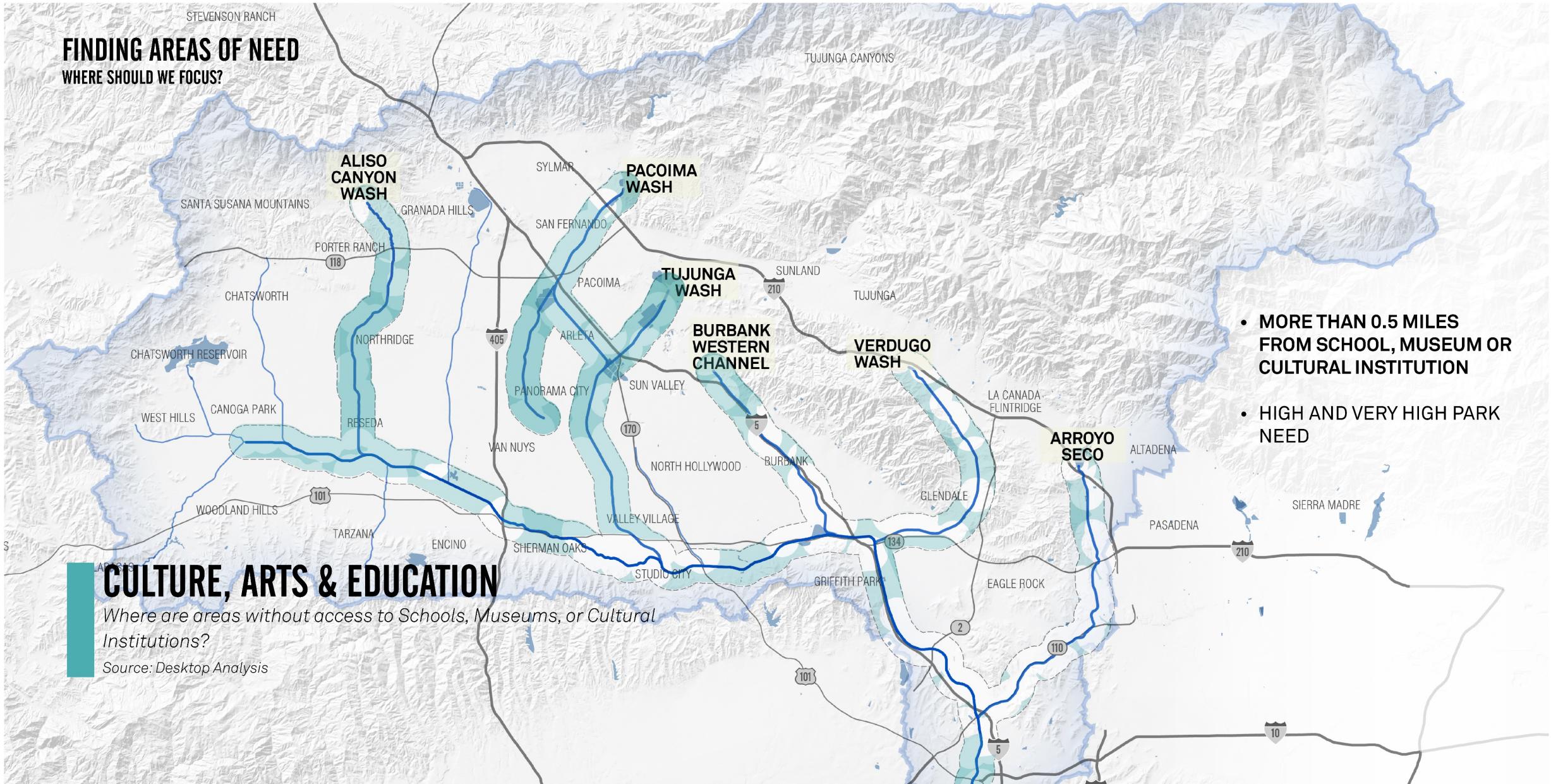
LAYERING
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SUMMING
IT UP

STEVENSON RANCH

FINDING AREAS OF NEED WHERE SHOULD WE FOCUS?



MAPS AS
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THE TRIBUTARY
STORY



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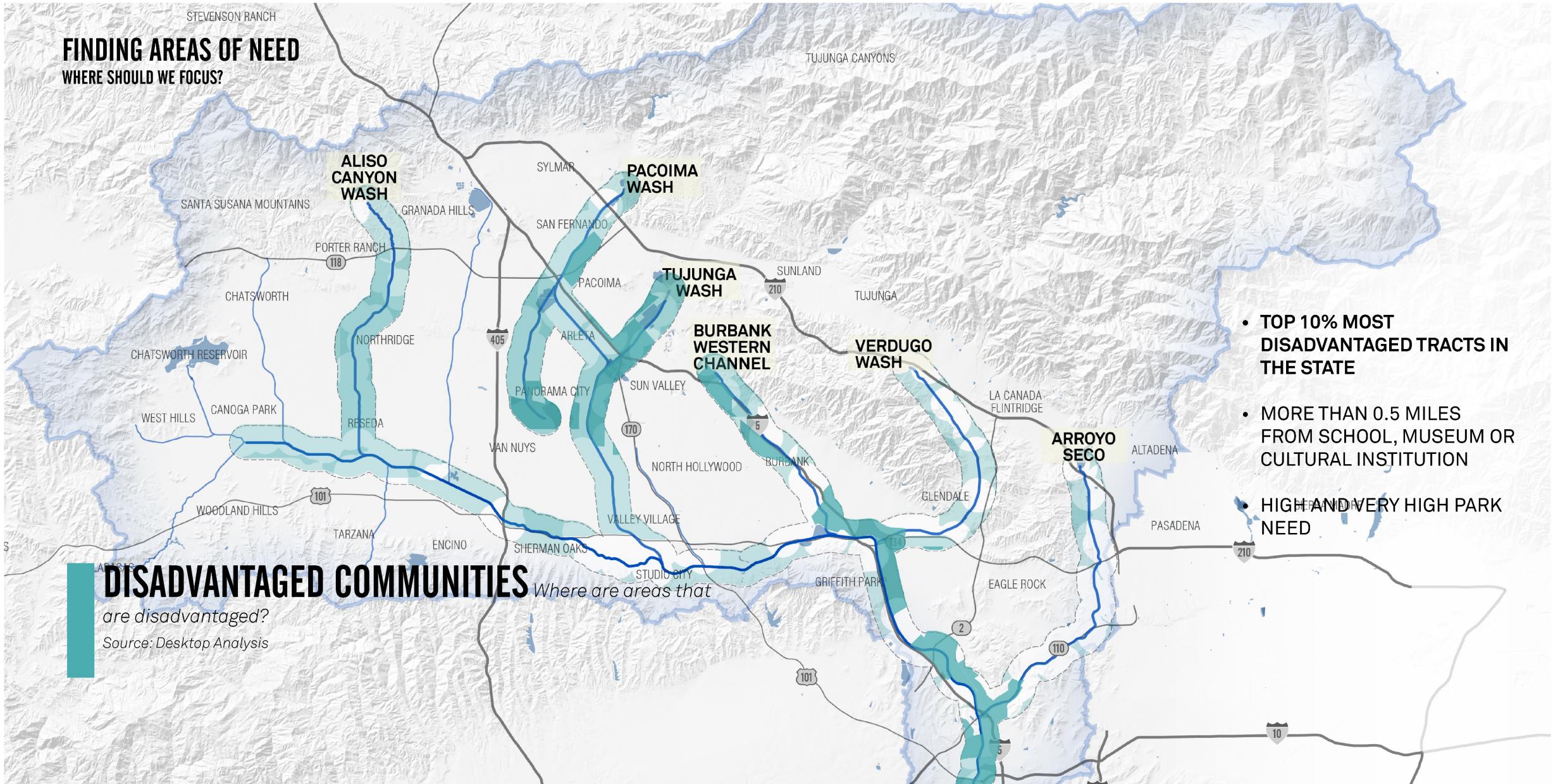
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SUMMING
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FINDING AREAS OF NEED WHERE SHOULD WE FOCUS?



MAPS AS
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LAYERING
DESIGN



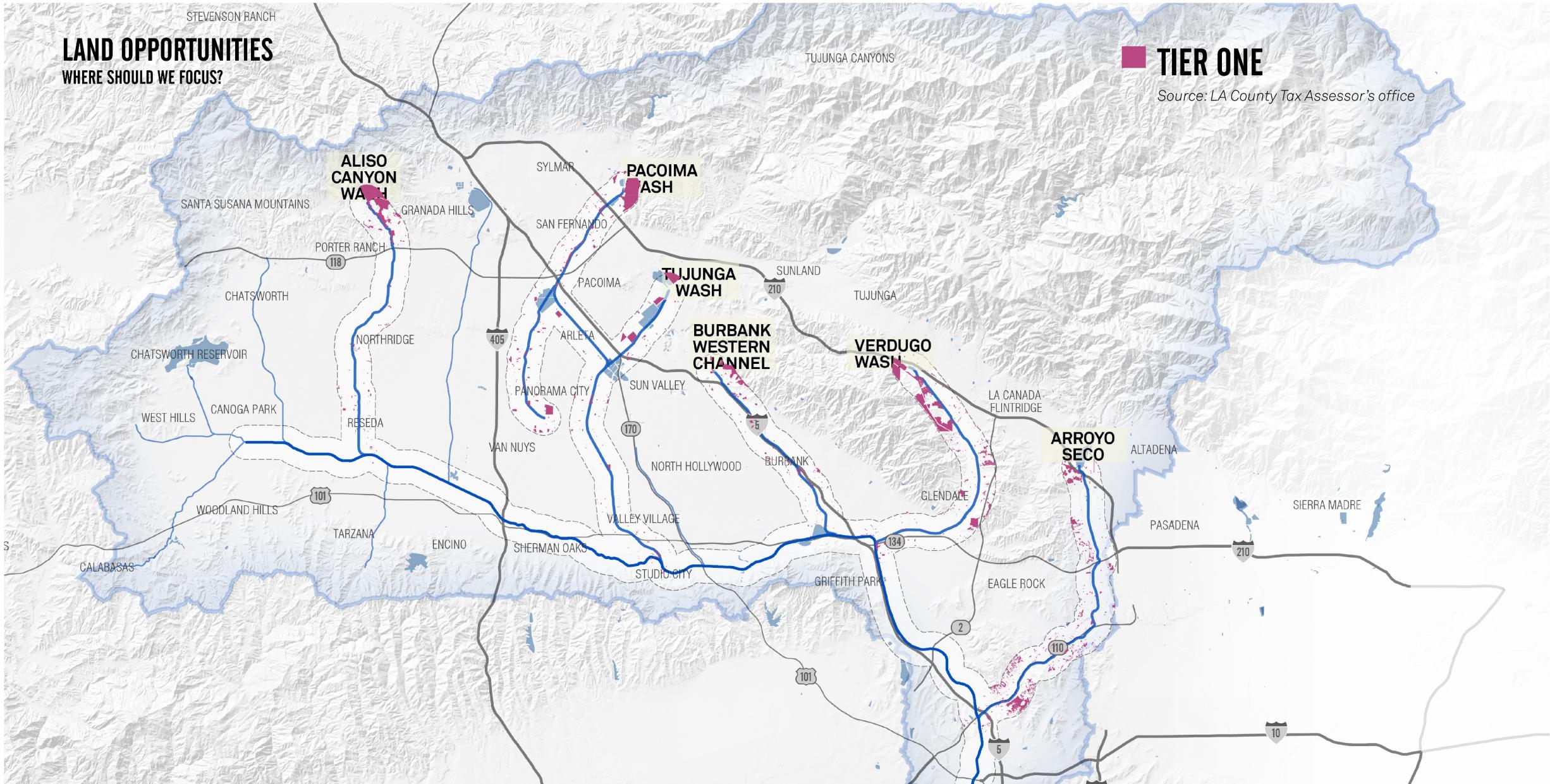
SUMMING
IT UP

STEVENSON RANCH

LAND OPPORTUNITIES WHERE SHOULD WE FOCUS?

TIER ONE

Source: LA County Tax Assessor's office



MAPS AS
NARRATIVE



THE TRIBUTARY
STORY



BASE MAP
FRAMEWORK



COMMUNITY
PORTRAITS



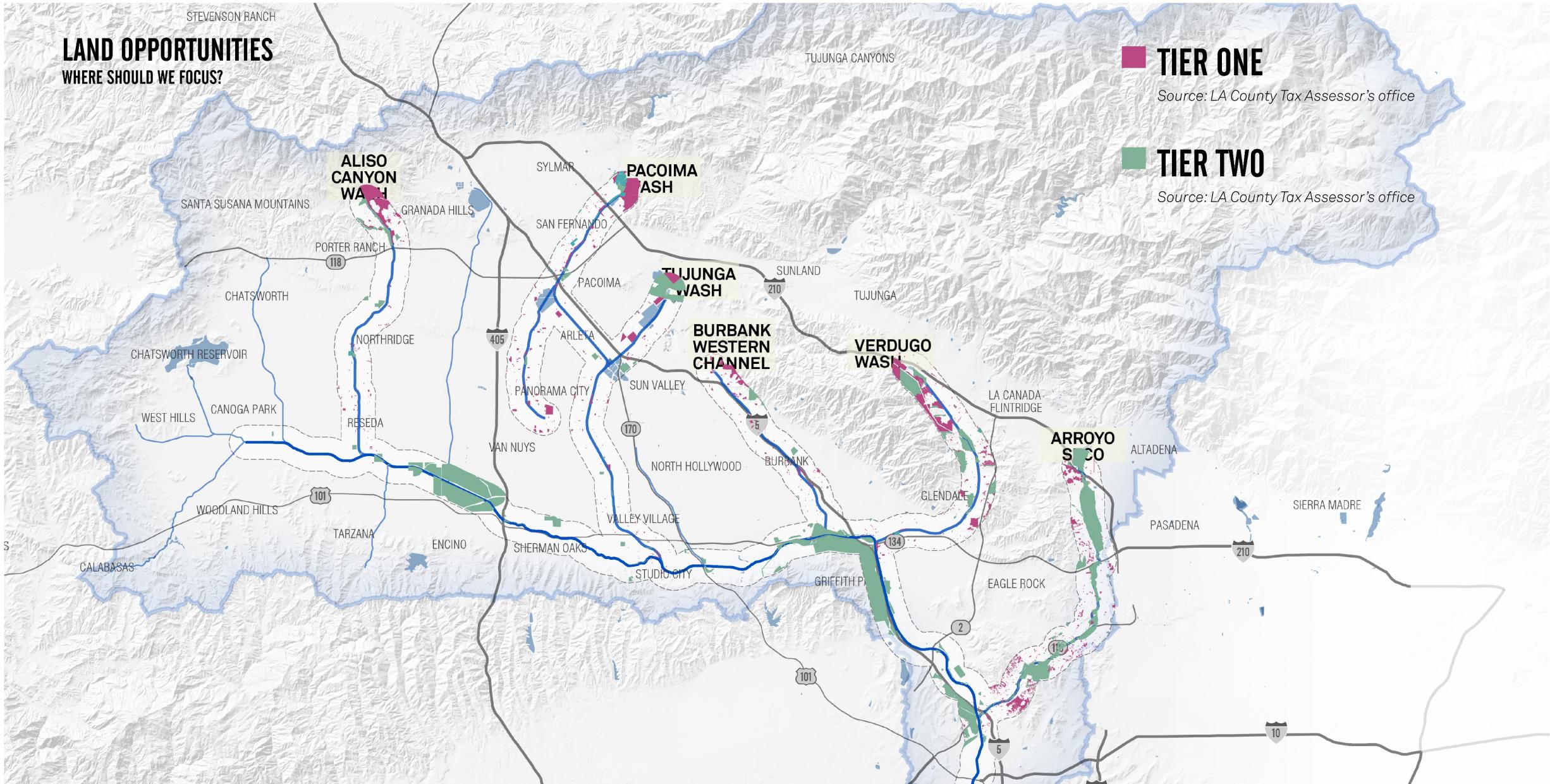
LAYERING
DESIGN



SUMMING
IT UP

STEVENSON RANCH

LAND OPPORTUNITIES WHERE SHOULD WE FOCUS?



MAPS AS
NARRATIVE



THE TRIBUTARY
STORY



BASE MAP
FRAMEWORK



COMMUNITY
PORTRAITS



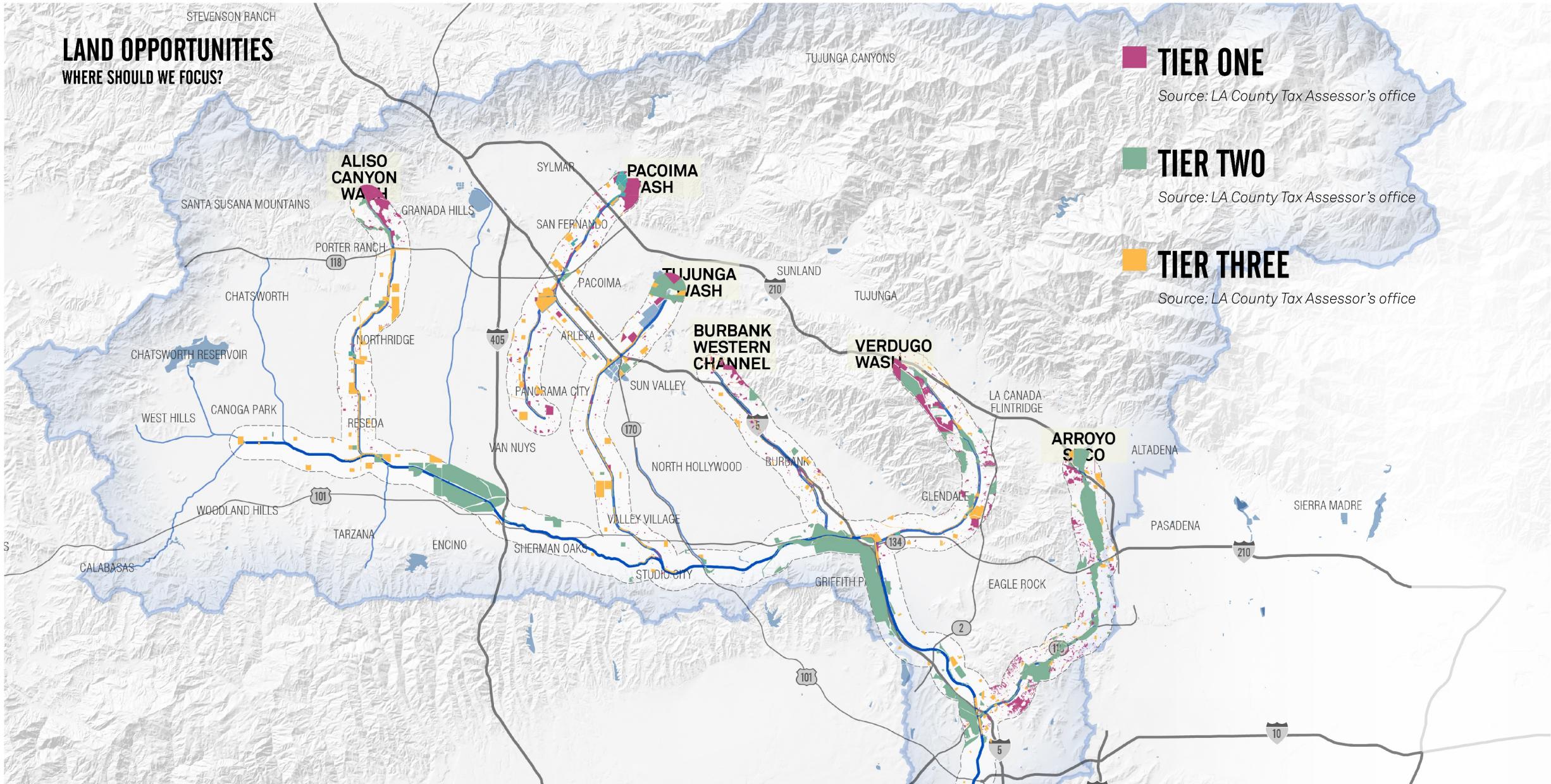
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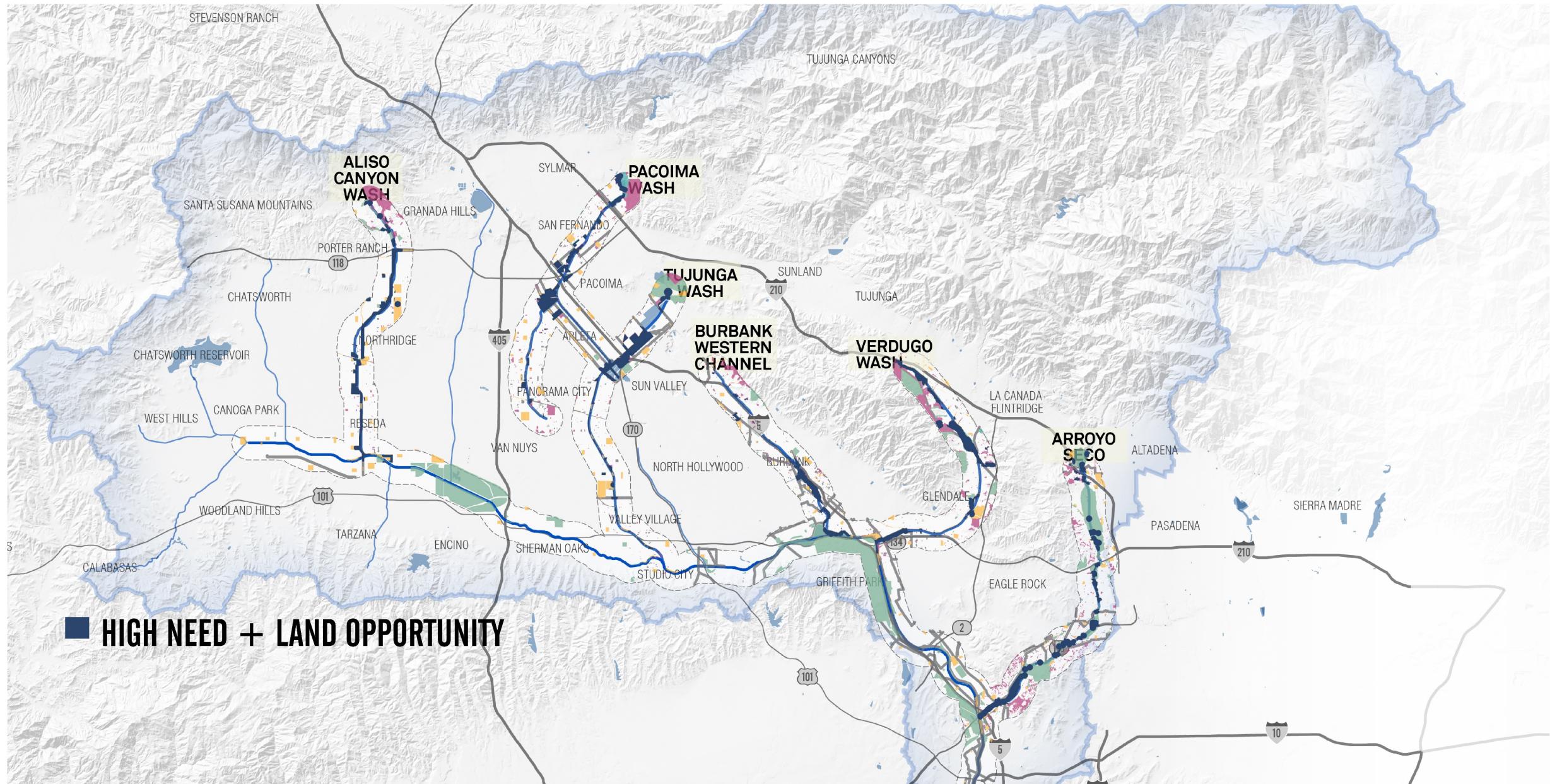


SUMMING
IT UP

STEVENSON RANCH

LAND OPPORTUNITIES WHERE SHOULD WE FOCUS?





MAPS AS
NARRATIVE



THE TRIBUTARY
STORY



BASE MAP
FRAMEWORK



COMMUNITY
PORTRAITS



LAYERING
DESIGN



SUMMING
IT UP



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PORTRAITS



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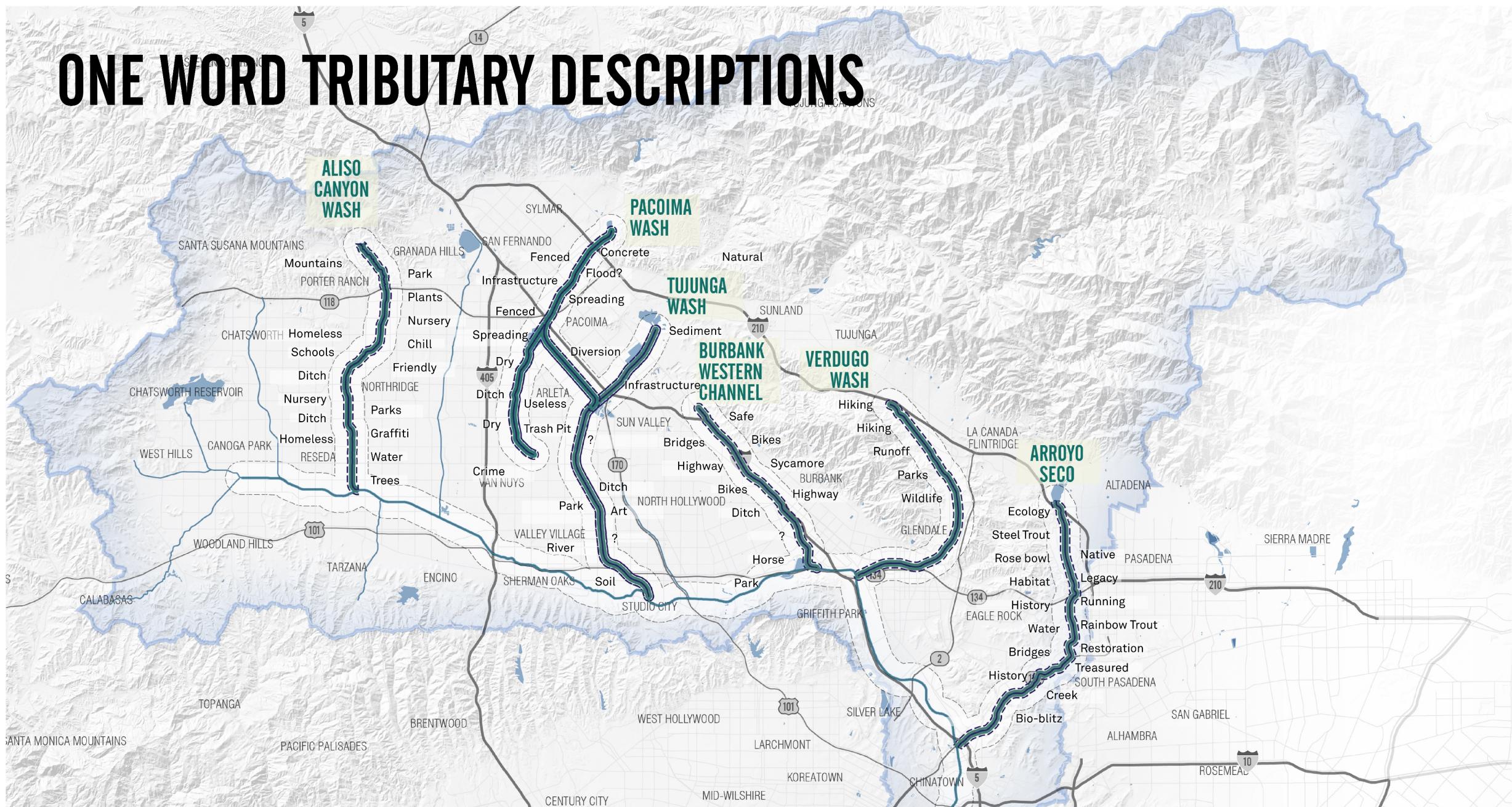


LAYERING
DESIGN



SUMMING
IT UP

ONE WORD TRIBUTARY DESCRIPTIONS



MAPS AS NARRATIVE



THE TRIBUTARY STORY



BASE MAP FRAMEWORK

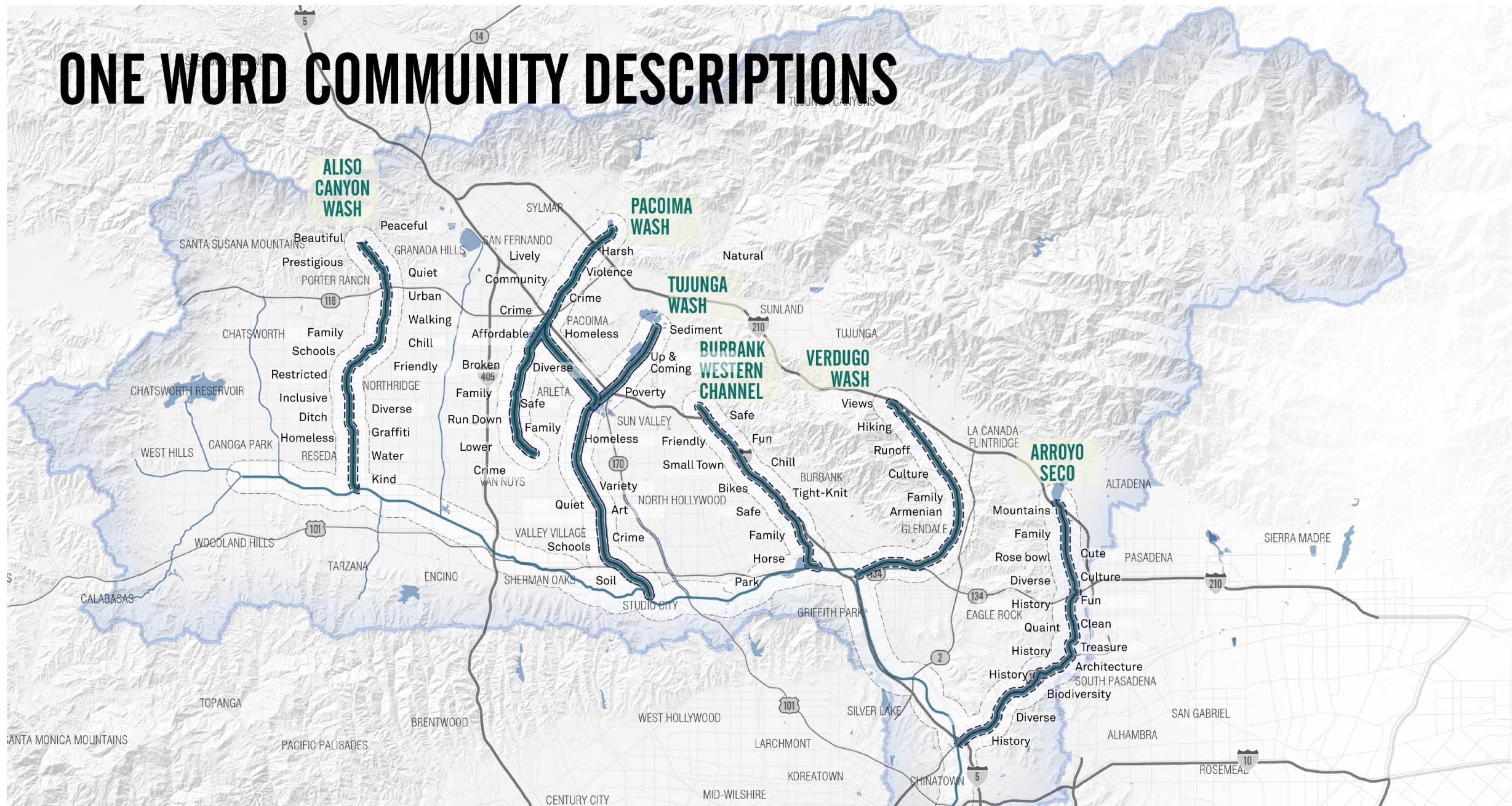


COMMUNITY PORTRAITS

LAYERING DESIGN

SUMMING IT UP

ONE WORD COMMUNITY DESCRIPTIONS



MAPS AS NARRATIVE



THE TRIBUTARY STORY



BASE MAP FRAMEWORK

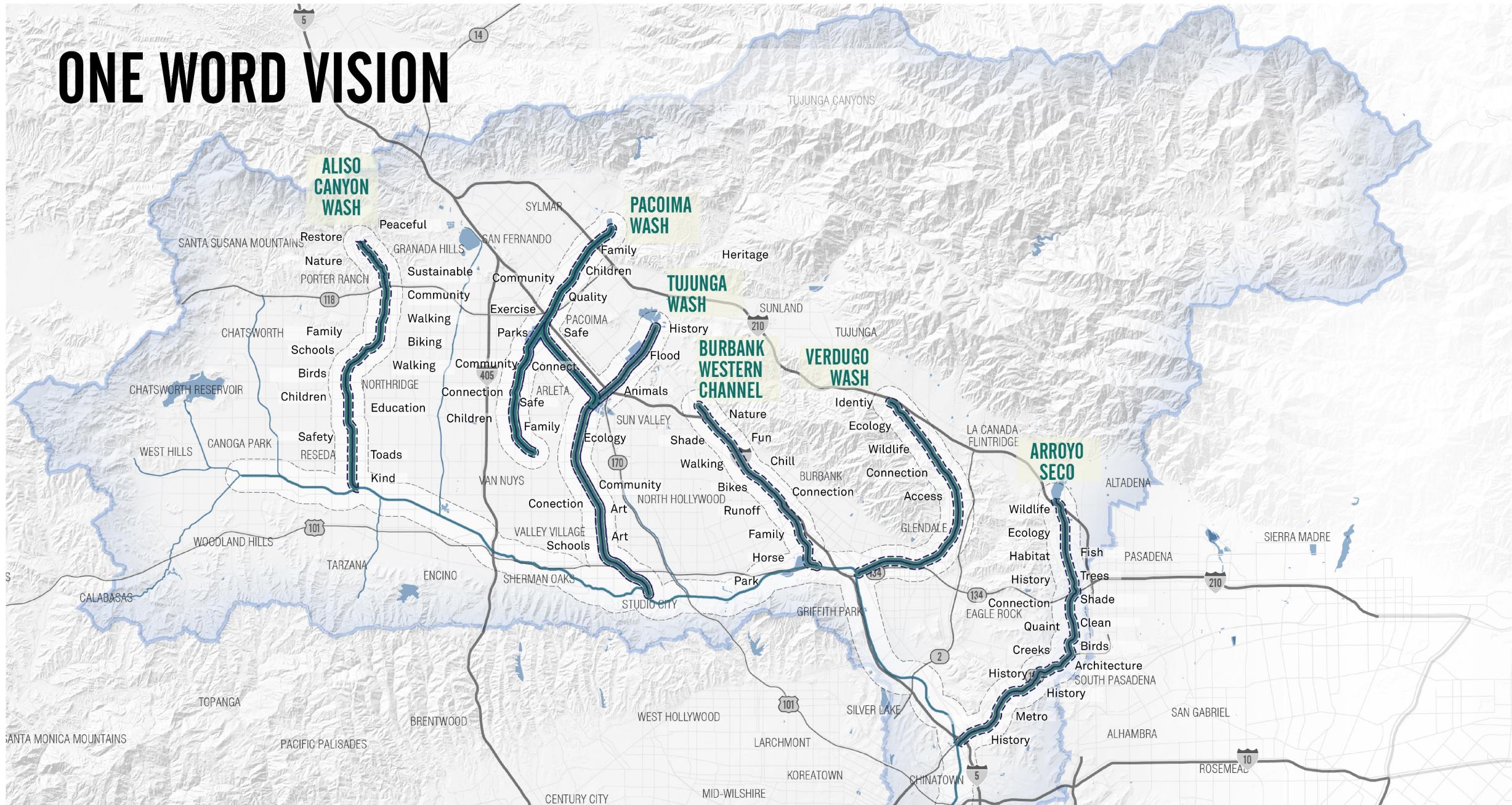


COMMUNITY PORTRAITS

LAYERING DESIGN

SUMMING IT UP

ONE WORD VISION



TRIBUTARY FENCED INFRASTRUCTURE CONCRETE

MOUNTAINS 1200 ACRES SEA 40K ACRES DRAINAGE

COMMUNITY LIVELY CRIME AFFORDABLE

36 PEOPLE/ACRE 12 SCHOOLS

VISION QUALITY CHILDREN FAMILY

12 % AREA IS VACANT

Nothern Pacoima
Snapshot

MAPS AS
NARRATIVE



THE TRIBUTARY
STORY



BASE MAP
FRAMEWORK



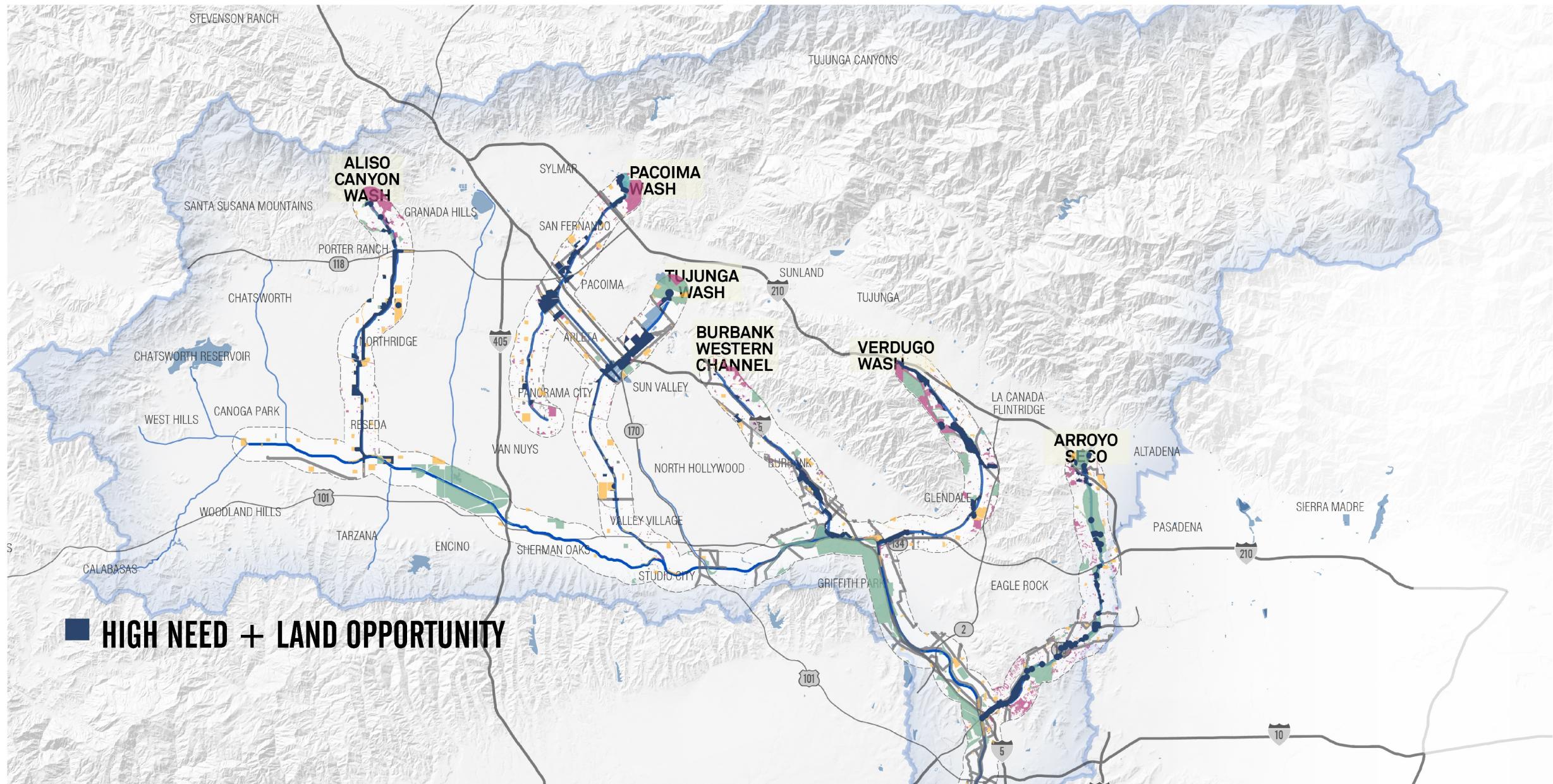
COMMUNITY
PORTRAITS

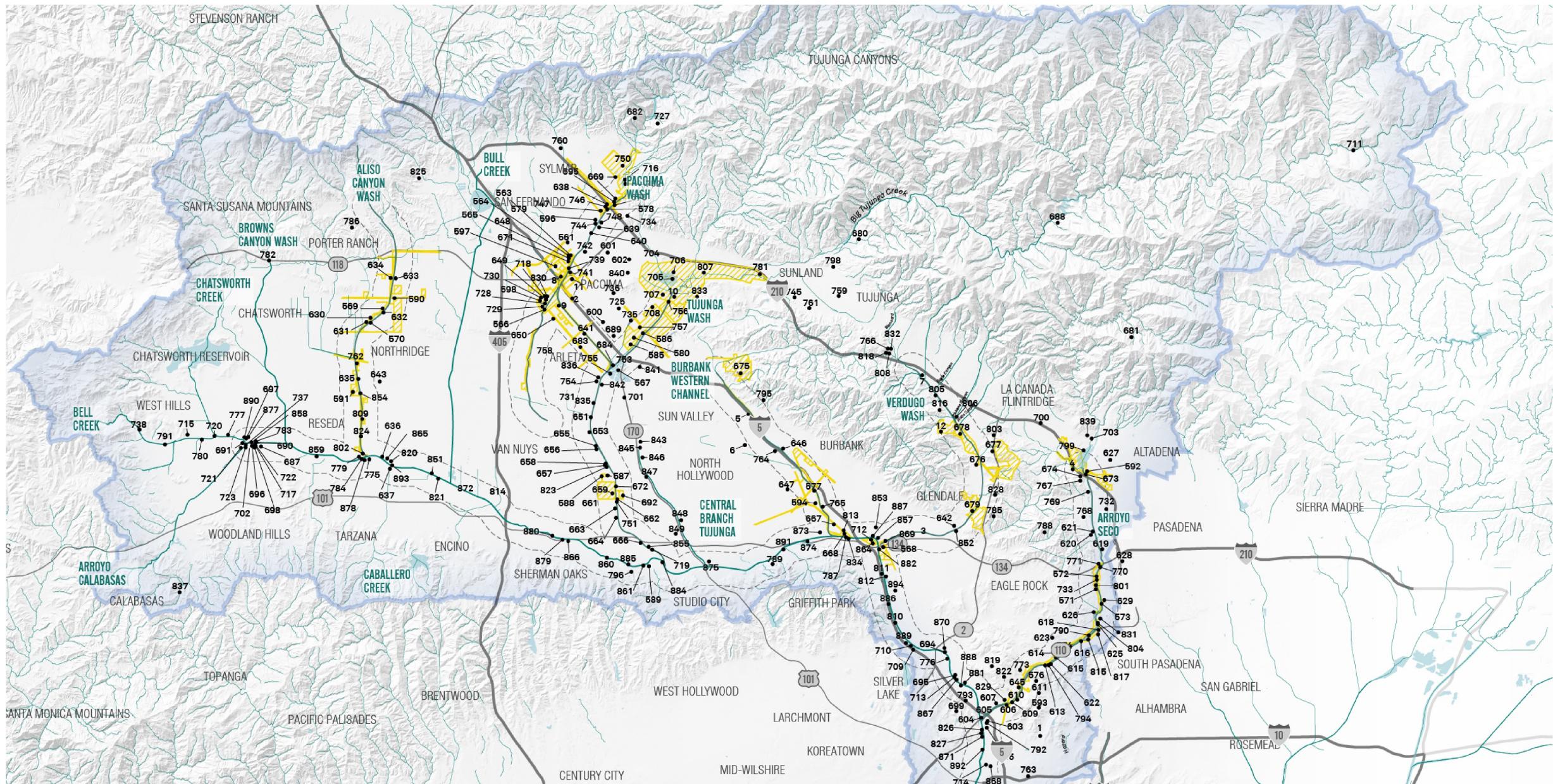


LAYERING
DESIGN



SUMMING
IT UP





MAPS AS
NARRATIVE

THE TRIBUTARY
STORY

BASE MAP
FRAMEWORK

COMMUNITY
PORTRAITS

LAYERING
DESIGN

SUMMING
IT UP



MAPS AS
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FRAMEWORK



COMMUNITY
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LAYERING
DESIGN



SUMMING
IT UP

TRIBUTARY ECOLOGY HABITAT BRIDGES

HISTORIC STREAMS 800 ACRES SEA 30K ACRES DRAINAGE

COMMUNITY HISTORY LUMMIS PARKS

23 PEOPLE /ACRE 12 SCHOOLS METRO STATION

VISION HISTORY CONNECTION RESTORATION

5.6 % AREA IS VACANT

Heritage Square
Snapshot

MAPS AS
NARRATIVE



THE TRIBUTARY
STORY



BASE MAP
FRAMEWORK



COMMUNITY
PORTRAITS



LAYERING
DESIGN

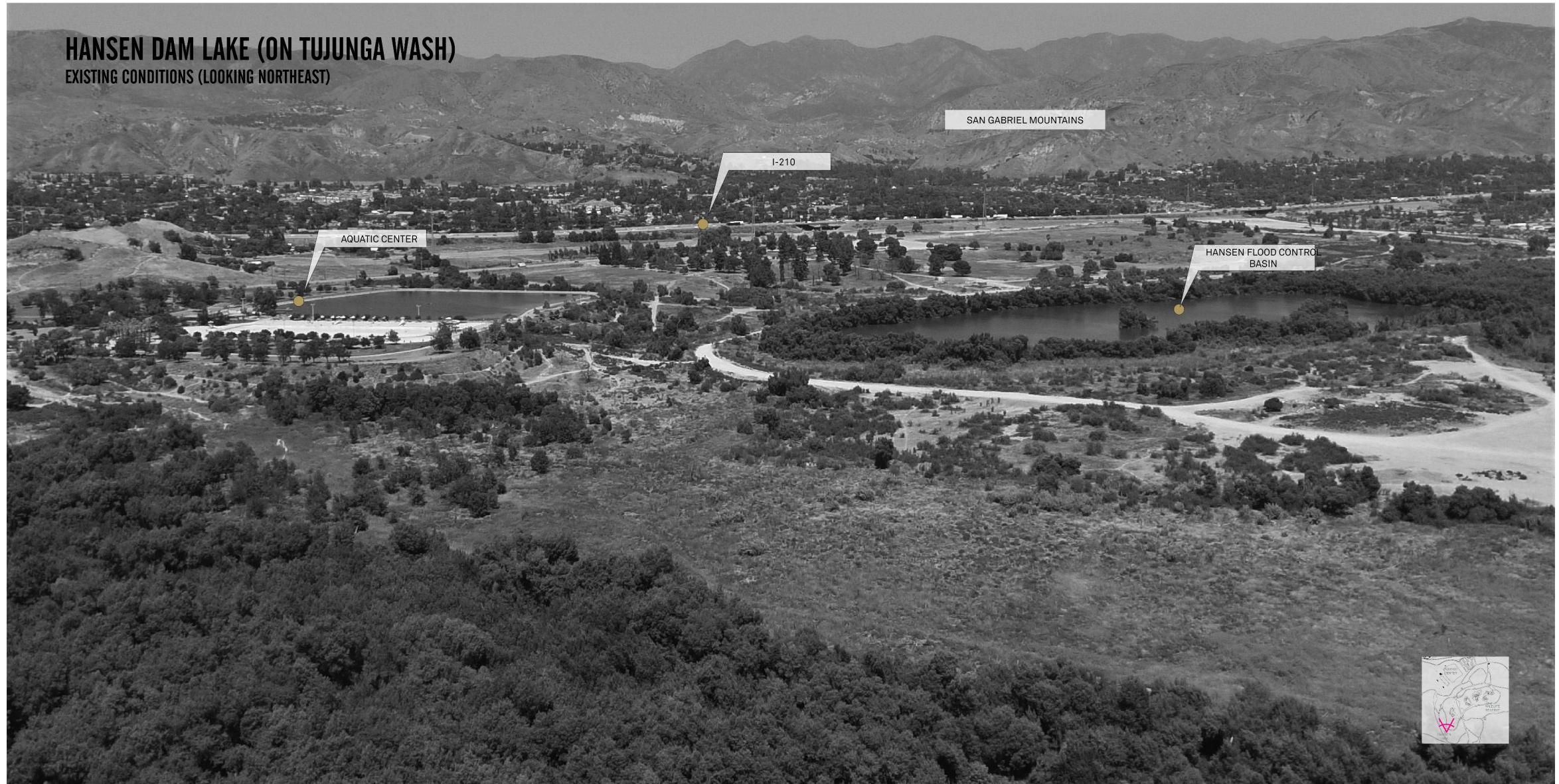


SUMMING
IT UP



HANSEN DAM LAKE (ON TUJUNGA WASH)

EXISTING CONDITIONS (LOOKING NORTHEAST)



MAPS AS
NARRATIVE



THE TRIBUTARY
STORY



BASE MAP
FRAMEWORK



COMMUNITY
PORTRAITS



LAYERING
DESIGN



SUMMING
IT UP

TRIBUTARY SEDIMENT HOLIDAY LAKE ECOLOGY

HISTORIC LAKE 14 ACRES SEA 11K ACRES DRAINAGE

COMMUNITY COMMUNITY SAFETY NATURE

38 PEOPLE/ACRE SCIENCE MUSUEM REGIONAL PARK

VISION HOLIDAY LAKE ECOLOGY RESTORATION

6.1% AREA IS VACANT

Snapshot of southern
edge of Arroyo Seco

MAPS AS
NARRATIVE



THE TRIBUTARY
STORY



BASE MAP
FRAMEWORK



COMMUNITY
PORTRAITS



LAYERING
DESIGN



SUMMING
IT UP

HANSEN DAM LAKE (ON TUJUNGA WASH)

DESIGN CONCEPT (LOOKING NORTHEAST)



HANSEN DAM SPREADING GROUNDS (ON THE TUJUNGA WASH)

EXISTING CONDITIONS (LOOKING NORTHEAST)



MAPS AS
NARRATIVE

THE TRIBUTARY
STORY

BASE MAP
FRAMEWORK

COMMUNITY
PORTRAITS

LAYERING
DESIGN

SUMMING
IT UP

TRIBUTARY UPSTREAM FILTRATION RECHARGE

RETIRED MINE 13 ACRES SEA 50% AREA IS IMPERVIOUS

COMMUNITY COMMUNITY SAFETY NATURE

38 PEOPLE /ACRE , 1.65 ACRES OF PARK PER PERSON

VISION OPEN SPACE BIRDS TURTLE

80% AREA IS VACANT

Snapshot of southern
edge of Arroyo Seco

MAPS AS
NARRATIVE



THE TRIBUTARY
STORY



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FRAMEWORK



COMMUNITY
PORTRAITS



LAYERING
DESIGN



SUMMING
IT UP

HANSEN DAM SPREADING GROUNDS (ON THE TUJUNGA WASH)

EXISTING CONDITIONS (LOOKING NORTHEAST)



MAPS AS
NARRATIVE



THE TRIBUTARY
STORY



BASE MAP
FRAMEWORK



COMMUNITY
PORTRAITS



LAYERING
DESIGN



SUMMING
IT UP



BENEFITS PER ACRE
For each of the 199.8 acres of **Highway Filtration Forest** opportunities identified we may expect the following benefits per acre

WATER
0.6 acres
New or Enhanced Permeable Paving

17,932 gallons
Additional Stormwater Capture from planting

AIR
51 trees

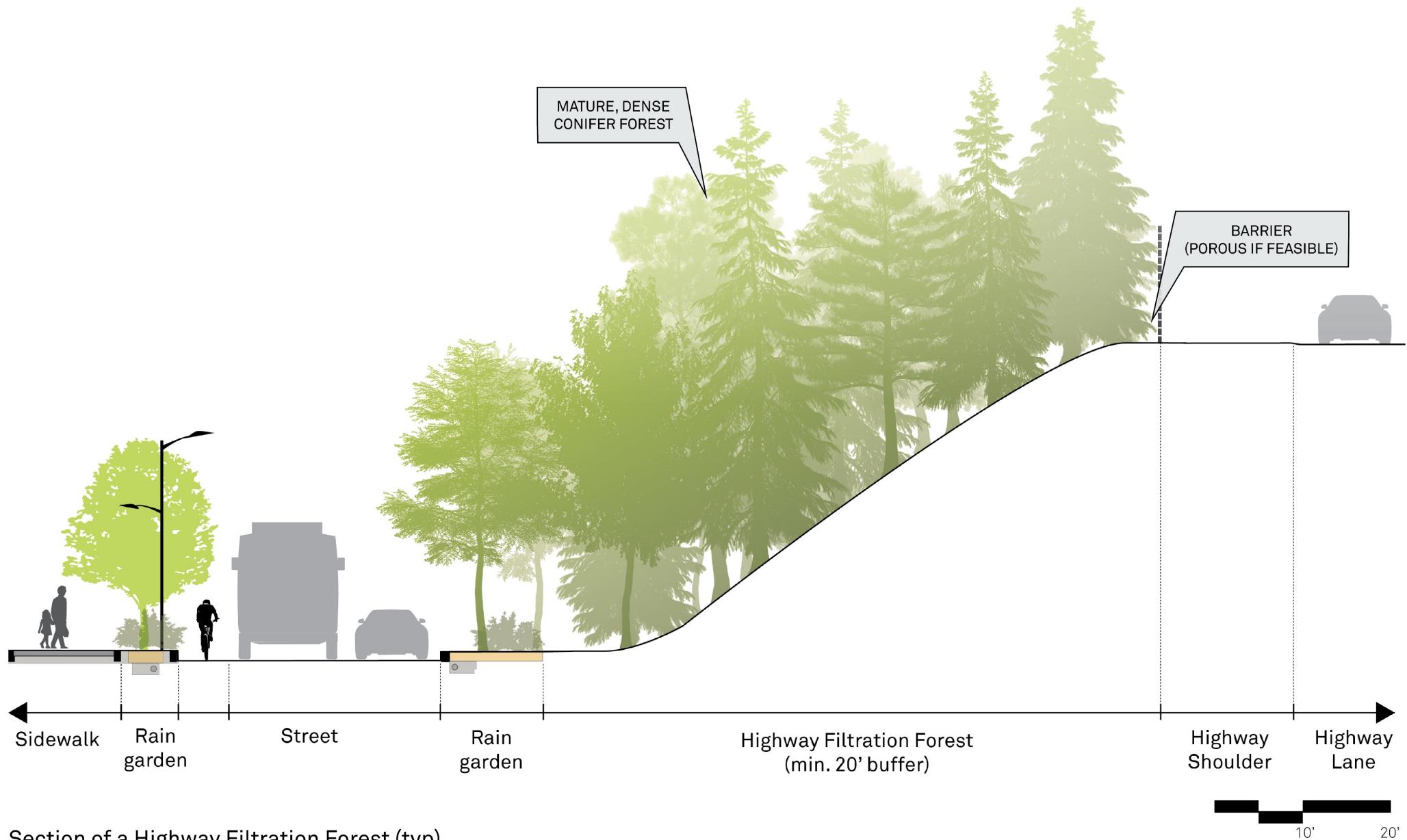
56.8 tons
Carbon Sequestration from Planting and Trees

1.3 tons
Additional Carbon Avoided

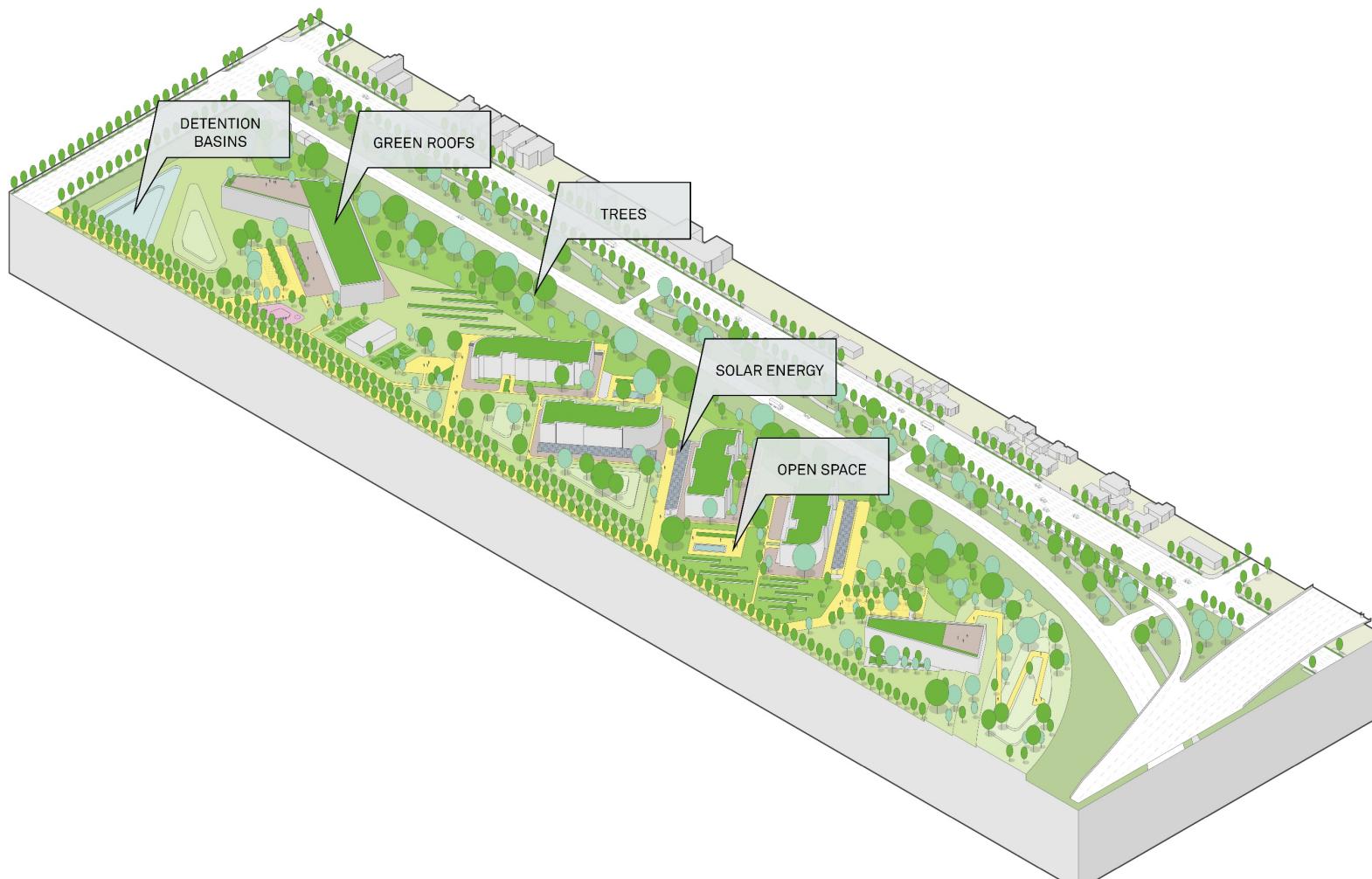
44.9 pounds
Additional Pollutant Removal

HABITAT
0.2 acres
New/Enhanced Ecological Habitat

0.59 acres
New / Enhanced Tree Canopy



HOUSING

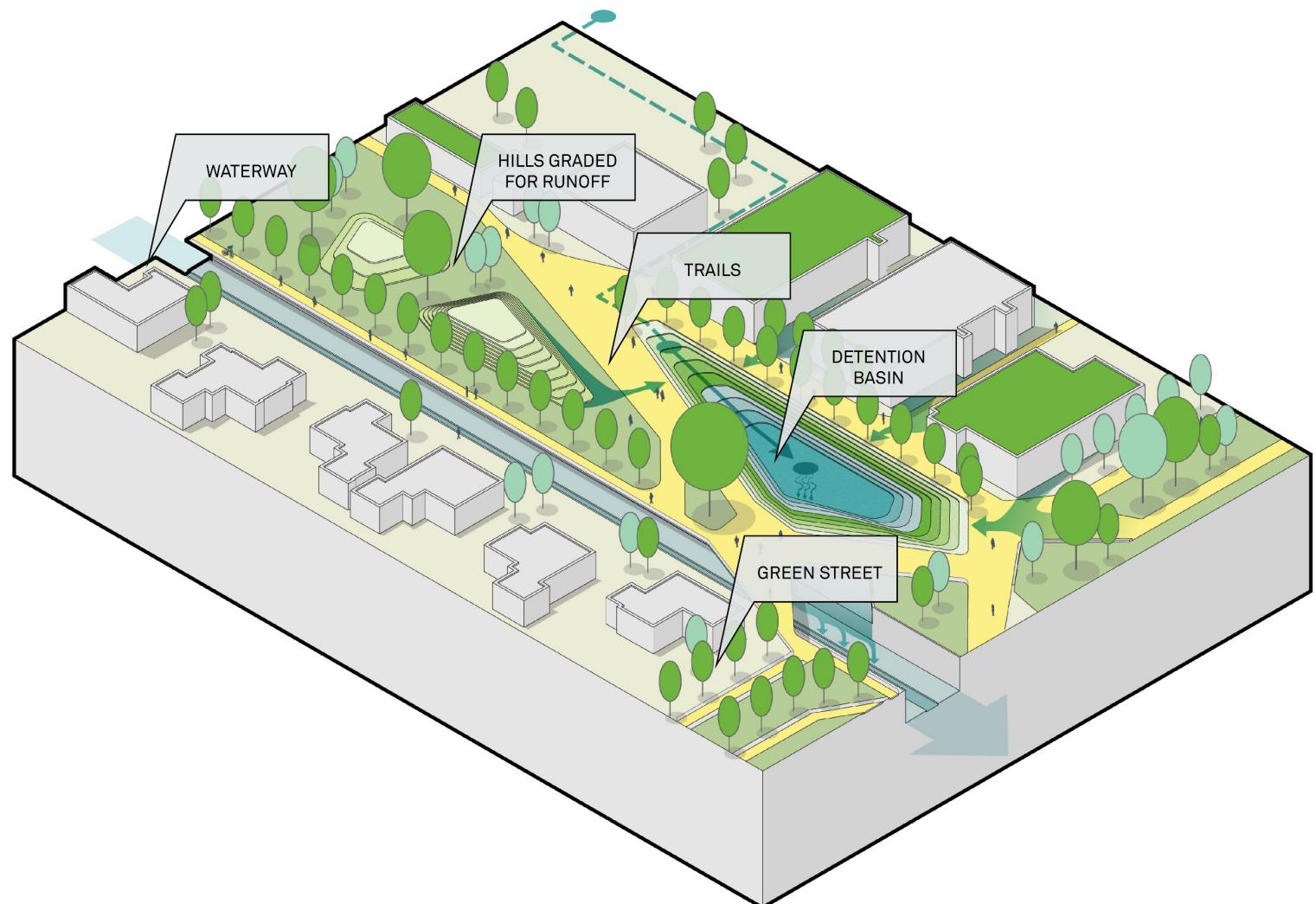


BENEFITS PER ACRE

For each of the 131 acres of **Housing** opportunities identified we may expect the following benefits per acre

WATER	0.5 acres New or Enhanced Permeable Paving
3,500 gallons	Additional Stormwater Capture from planting
AIR	10 trees
	10.2 tons Carbon Sequestration from Planting and Trees
	0.3 tons Additional Carbon Avoided
	8.8 pounds Additional Pollutant Removal
HABITAT	0.1 acres New/Enhanced Ecological Habitat
	0.11 acres New / Enhanced Tree Canopy
COMMUNITY	0.1 acres New / Enhanced Open Space
	0.2 miles Community Connections

STORMWATER BASINS



BENEFITS PER ACRE
For each of the 1,185 acres of **Stormwater Basin** opportunities identified we may expect the following benefits per acre

WATER
0.7 acres
New or Enhanced Permeable Paving

8,755 gallons
Additional Stormwater Capture from planting

74,946 gallons
Additional Stormwater Capture from infiltration

AIR
25 trees

27.7 tons
Carbon Sequestration from Planting and Trees

0.7 tons
Additional Carbon Avoided

21.9 pounds
Additional Pollutant Removal

HABITAT
0.5 acres
New/Enhanced Ecological Habitat

0. acres
New / Enhanced Tree Canopy

0.3 acres
New / Enhanced Open Space

0.1 miles
Community Connections

UPDATED SUSTAINABILITY METRICS

THE PLAN WILL PROVIDE

17.5 SQUARE MILES
OF NEW + ENHANCED SPACES



EQUIVALENT TO
3 GRIFFITH PARKS

1.5 MILLION PEOPLE
WITH ACCESS TO NEW + ENHANCED SPACES



EQUIVALENT TO
THE POPULATION OF SAN DIEGO

625k DISADVANTAGED COMMUNITIES
WITH ACCESS TO NEW + ENHANCED SPACES

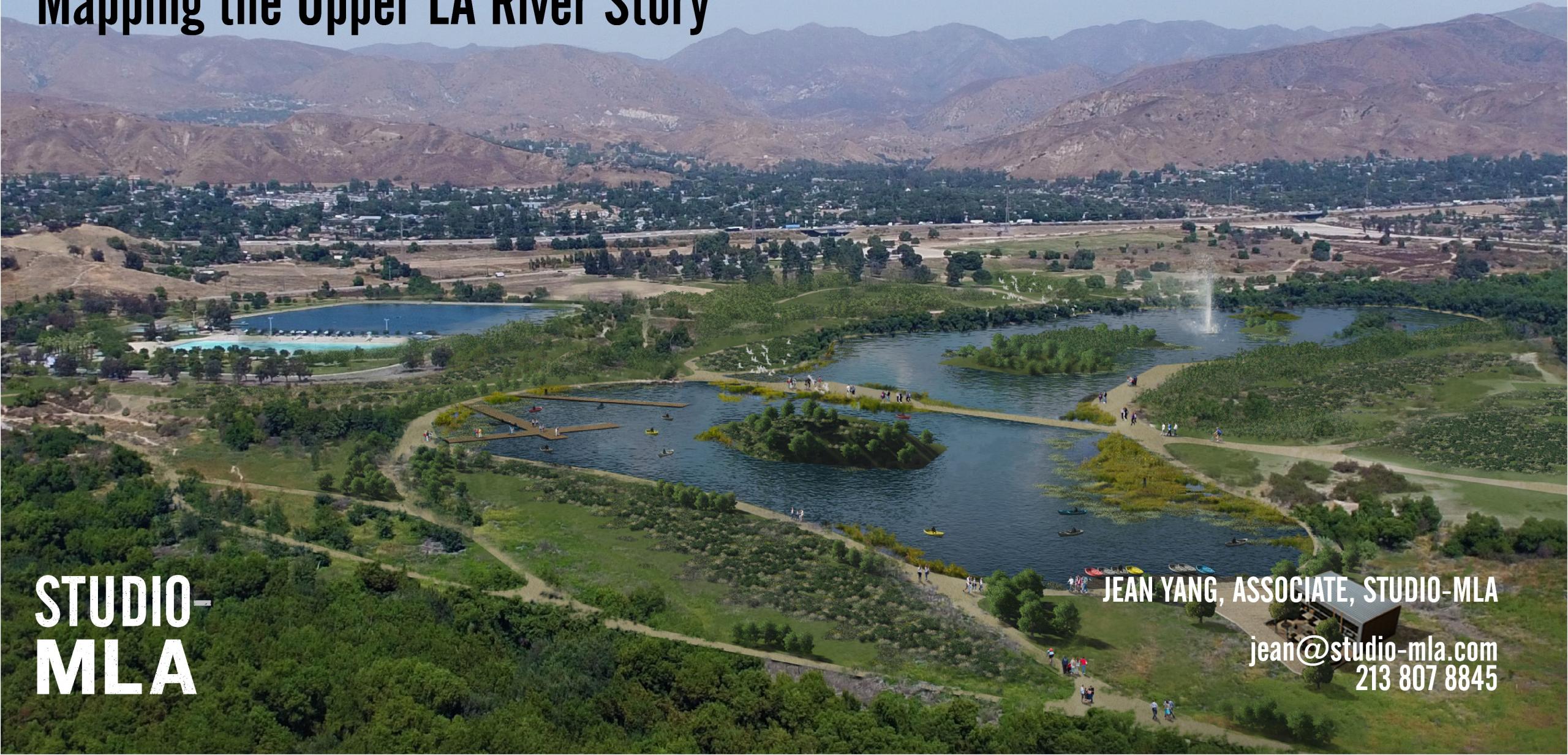


EQUIVALENT TO
THE POPULATION OF DETROIT



800 SQUARE MILES

Mapping the Upper LA River Story



STUDIO-
MLA

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213 807 8845