

COMMUNITY PLANNING MONTH

OCTOBER 30, 2025

Planning Among Oaks

Presented by LA County Planning and APA-LA

The County of Los Angeles recognizes that we occupy land originally and still inhabited and cared for by the Tongva, Tataviam, Serrano, Kizh, and Chumash Peoples. We honor and pay respect to their elders and descendants—past, present, and emerging—as they continue their stewardship of these lands and waters. We acknowledge that settler colonization resulted in land seizure, disease, subjugation, slavery, relocation, broken promises, genocide, and multigenerational trauma. This acknowledgment demonstrates our responsibility and commitment to truth, healing, and reconciliation and to elevating the stories, culture, and community of the original inhabitants of Los Angeles County. We are grateful to have the opportunity to live and work on these ancestral lands. We are dedicated to growing and sustaining relationships with Native peoples and local tribal governments, including (in no particular order) the:

- Fernandeano Tataviam Band of Mission Indians
- Gabrielino Tongva Indians of California Tribal Council
- Gabrieleno/Tongva San Gabriel Band of Mission Indians
- Gabrieleño Band of Mission Indians-Kizh Nation
- San Manuel Band of Mission Indians
- San Fernando Band of Mission Indians

To learn more about the First Peoples of Los Angeles County, please visit the Los Angeles City/County Native American Indian Commission website at lanaic.lacounty.gov.

Interpretation Services

English

Dear participants,
We are pleased to inform you that simultaneous interpretation is available for this meeting. Please click on the globe-shaped icon and select your preferred language. Thank you.

Spanish

Estimados participantes,
Nos complace informarles que hay interpretación simultánea disponible para esta reunión. Por favor, hagan clic en el ícono con forma de globo y seleccionen su idioma preferido. Gracias.

Chinese (Mandarin)

各位與會者，
歡迎參加本次會議，
大會提供同聲傳譯服務。請點擊屏幕上的地球圖標，選擇您所偏好的語言。
謝謝。

Community Planning Month Over the Years

2024 – Equity and Planning

2023 – Shaping Mid-20th Century Los Angeles County

2022 – The Rise of Freeway Cap Projects

2021 – The Changing Landscape of Mobility

2020 – Equitable Processes Build Great Communities

2019 – Infrastructure that Benefits All



Agenda

- Introduction
- Presentation 1: Oaks, Equity, and Wildlife
- Presentation 2: The Map Beneath the Canopy
- Presentation 3: Why We Need Oak Trees
- Comments: The Planning Perspective
- Discussion and Q&A
- Closing remarks
- CM log instructions

Speakers

Eric Wood, Ph.D.

Associate Professor, California State University Los Angeles

Daniel Hoffman

Principal GIS Analyst, LA County Planning

Rosi Dagit

*Principal Conservation Biologist and Certified Arborist,
Resource Conservation District of the Santa Monica Mountains*

Mark Herwick, AICP, commenter

Supervising Planner, LA County Planning

Elenna Salcido, Director APA-Los Angeles



Eric Wood, Ph.D.
Associate Professor,
Cal State LA

Oaks, Equity, and Wildlife

Eric Wood, Ph.D.



CAL STATE LA
CALIFORNIA STATE UNIVERSITY, LOS ANGELES

Talk roadmap



1. Historic

2. Contemporary

3. Future



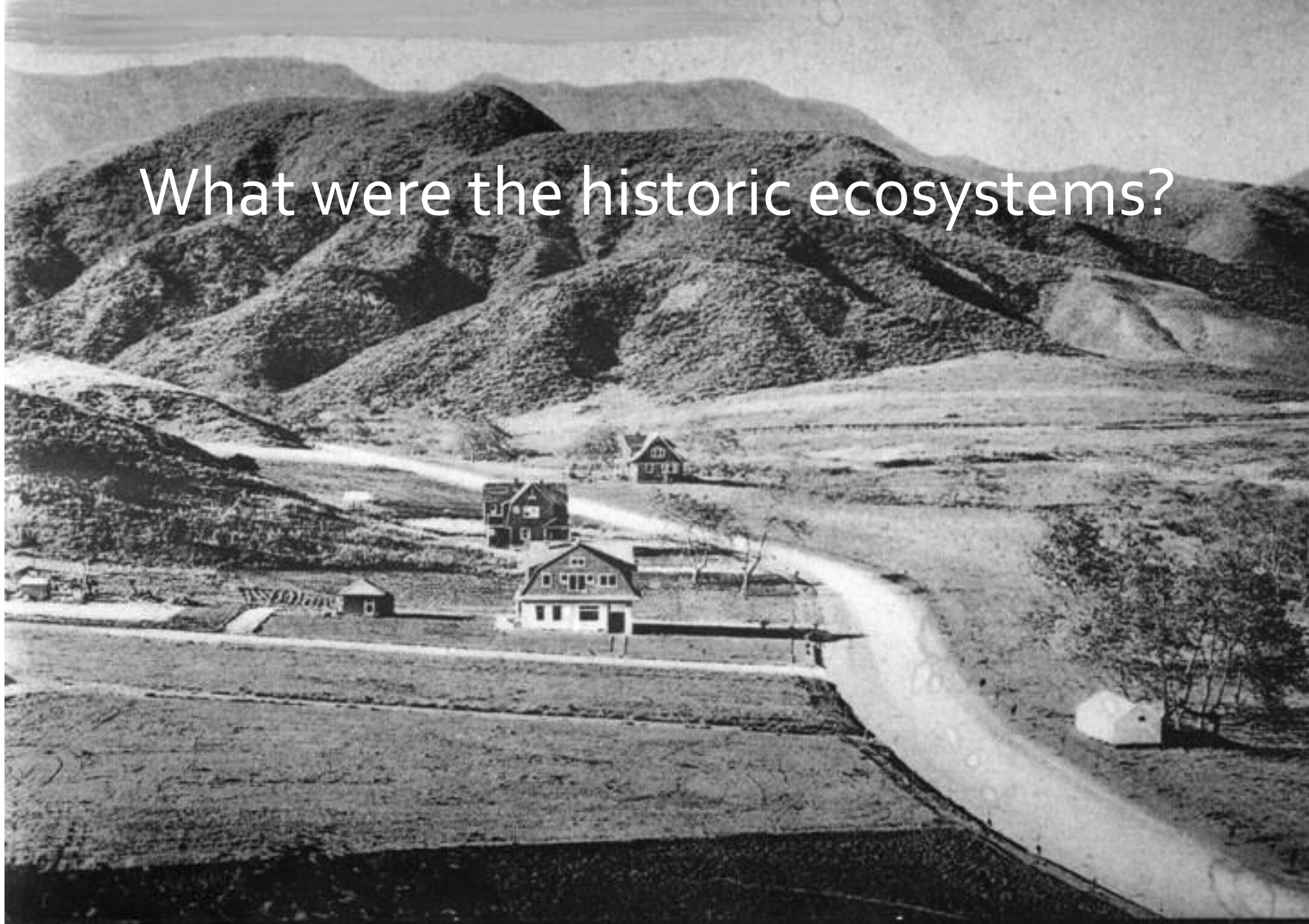
LA then (1890s)



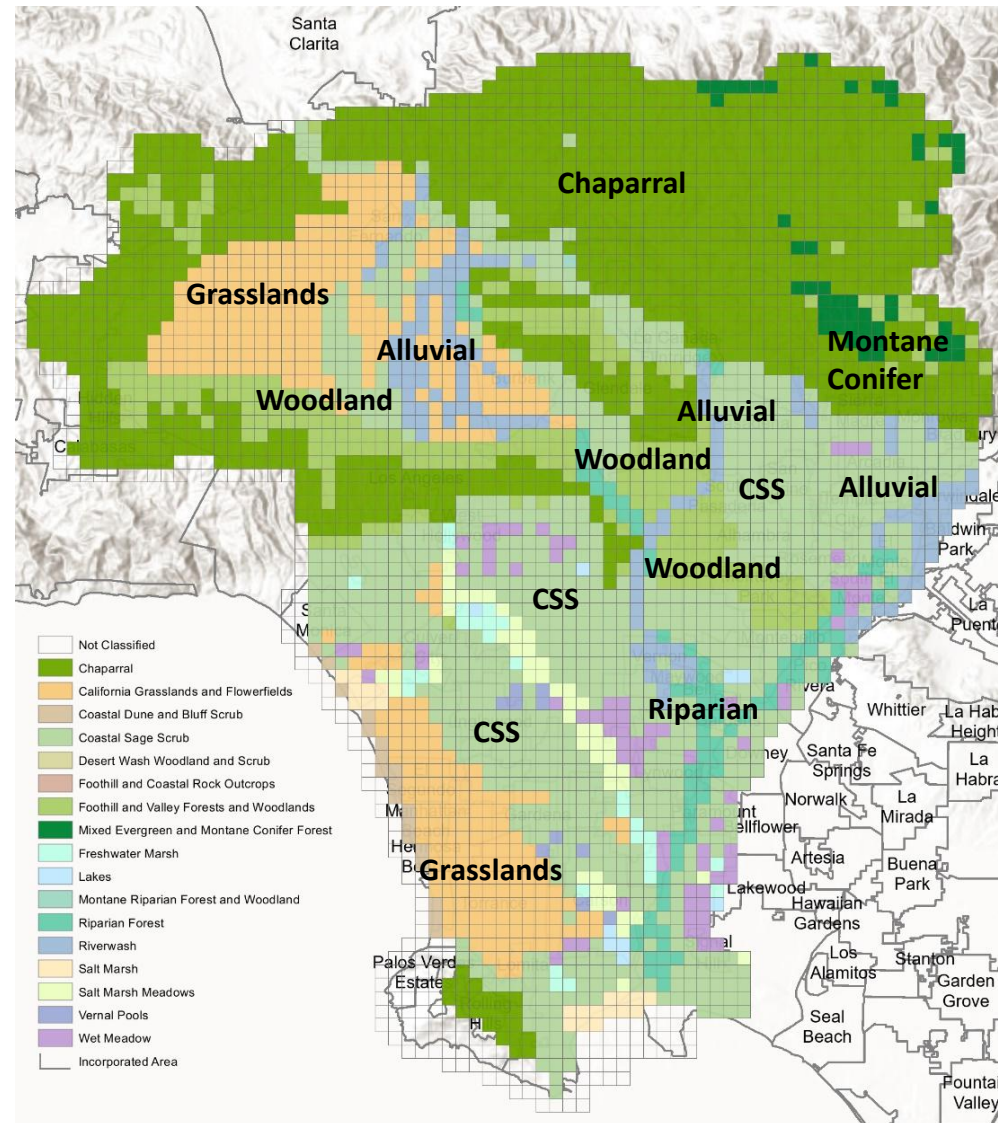
LA now



What were the historic ecosystems?

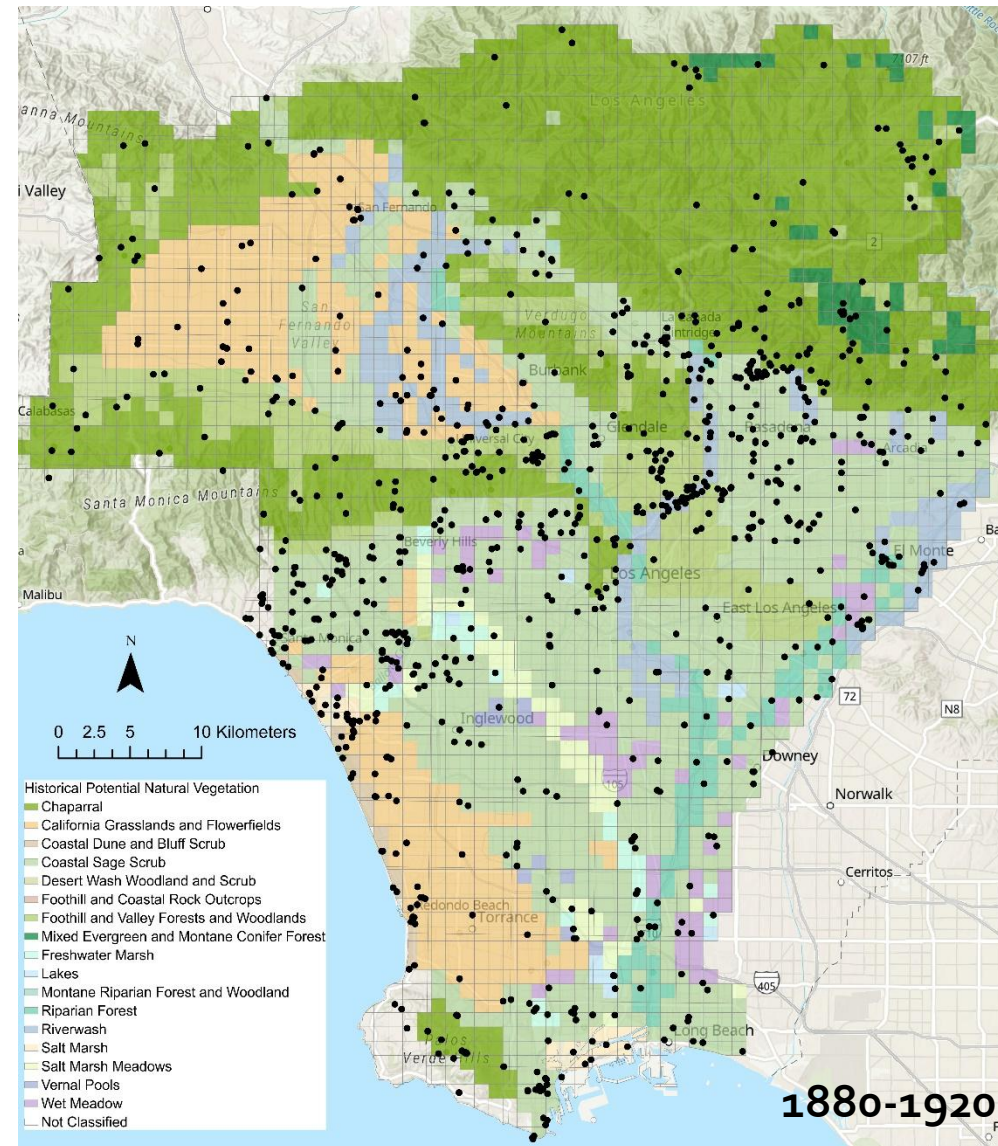


Historical potential vegetation



Ethington et al. 2020 – Historical Ecology of LA

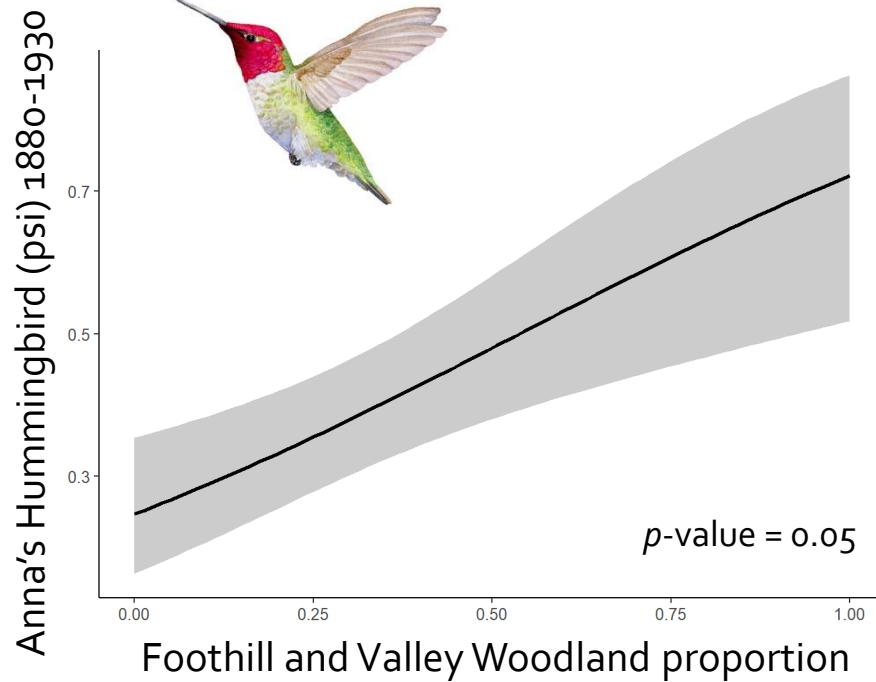
Historical bird egg and nest data



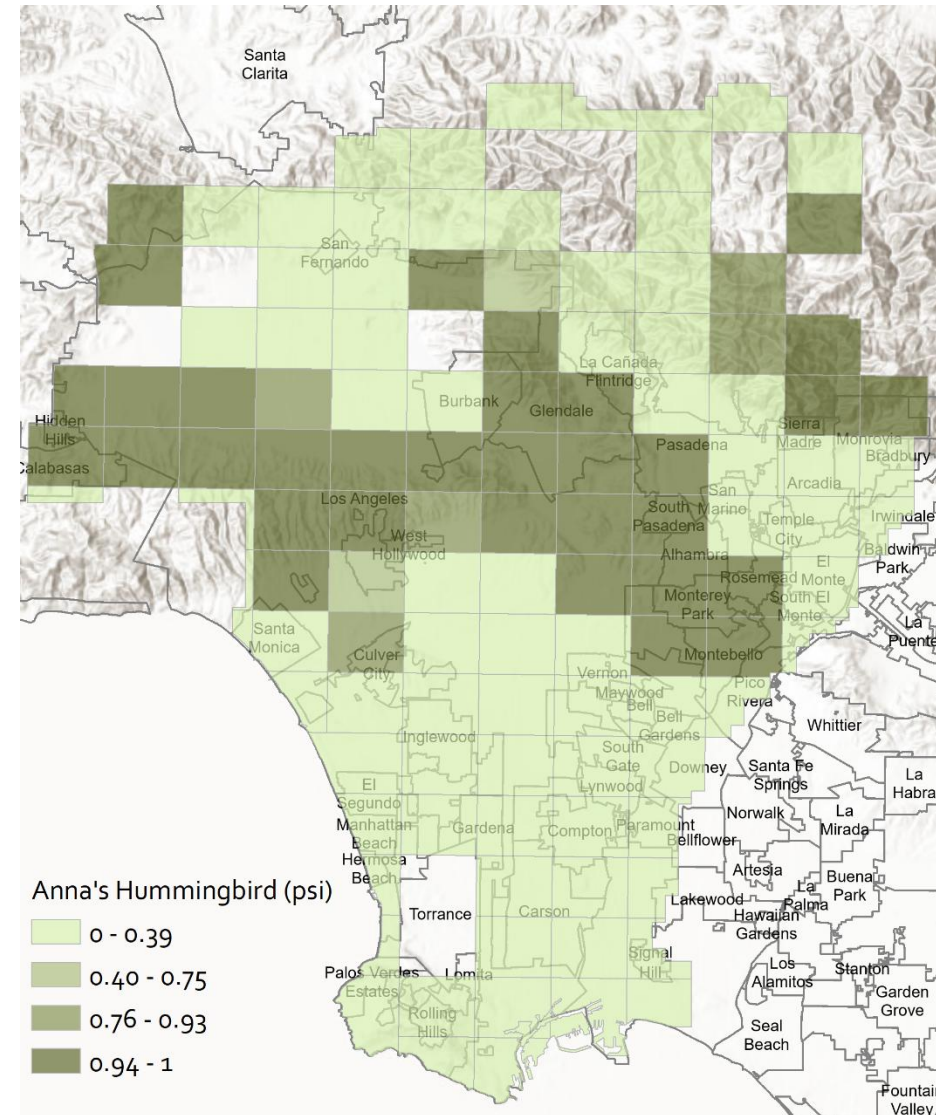
Lyon and Wood, 2023, Mapping LA History Project

Historical distribution

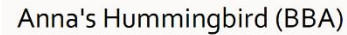
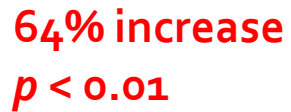
Anna's Hummingbird (Woodlands/Scrub)



Lyon and Wood, 2023, Mapping LA History Project



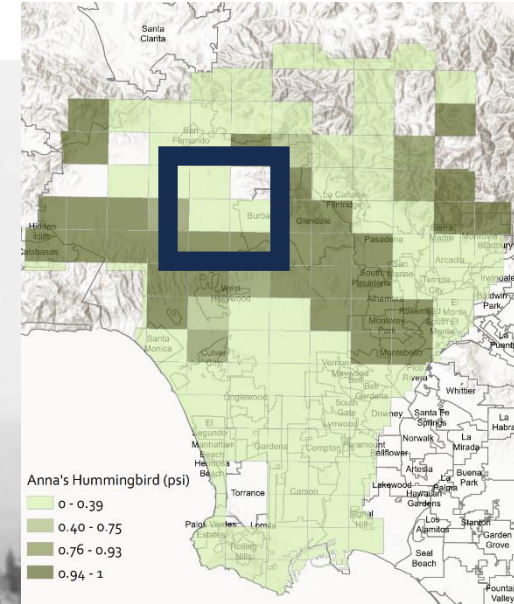
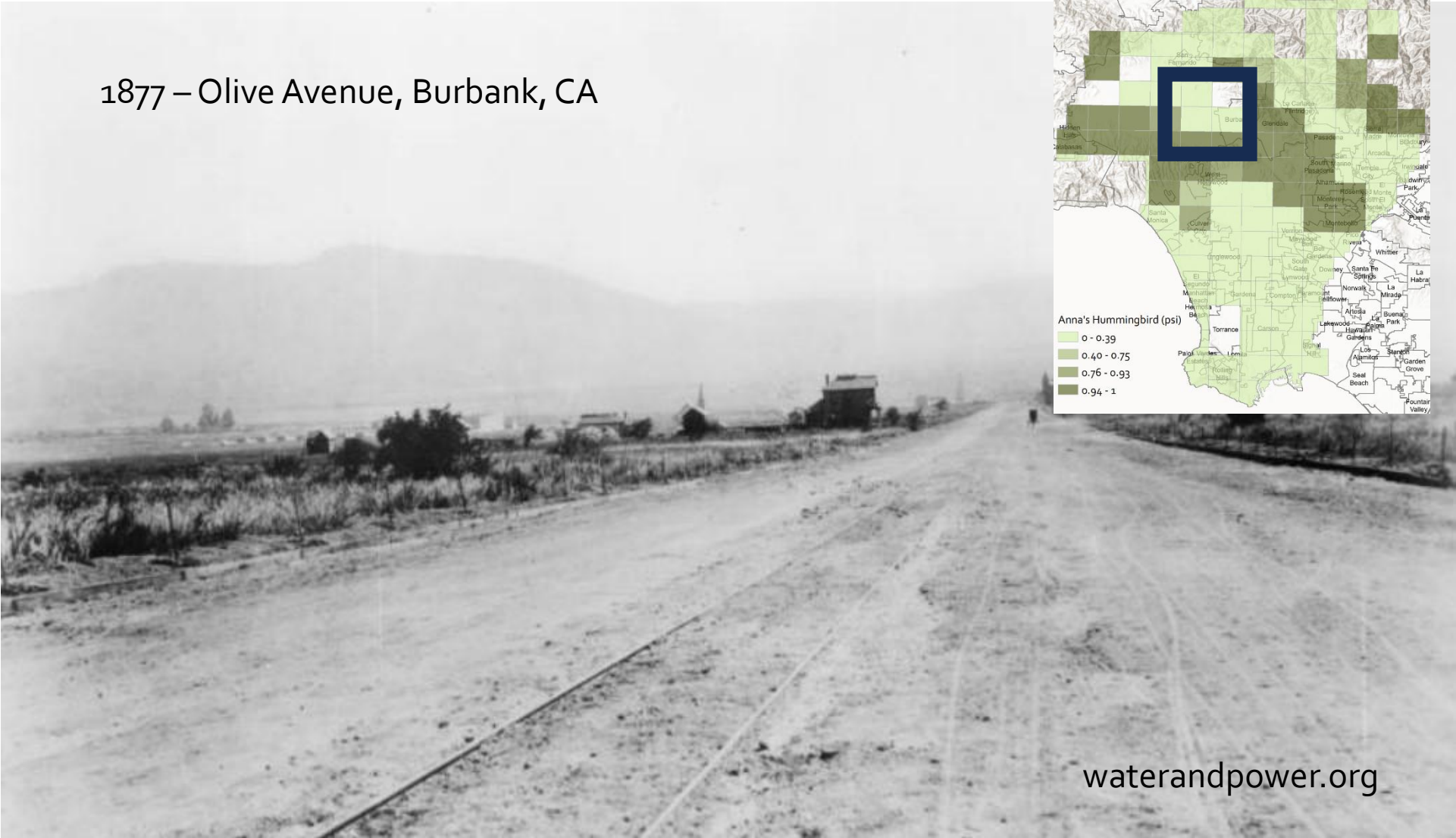
Cont Anna's



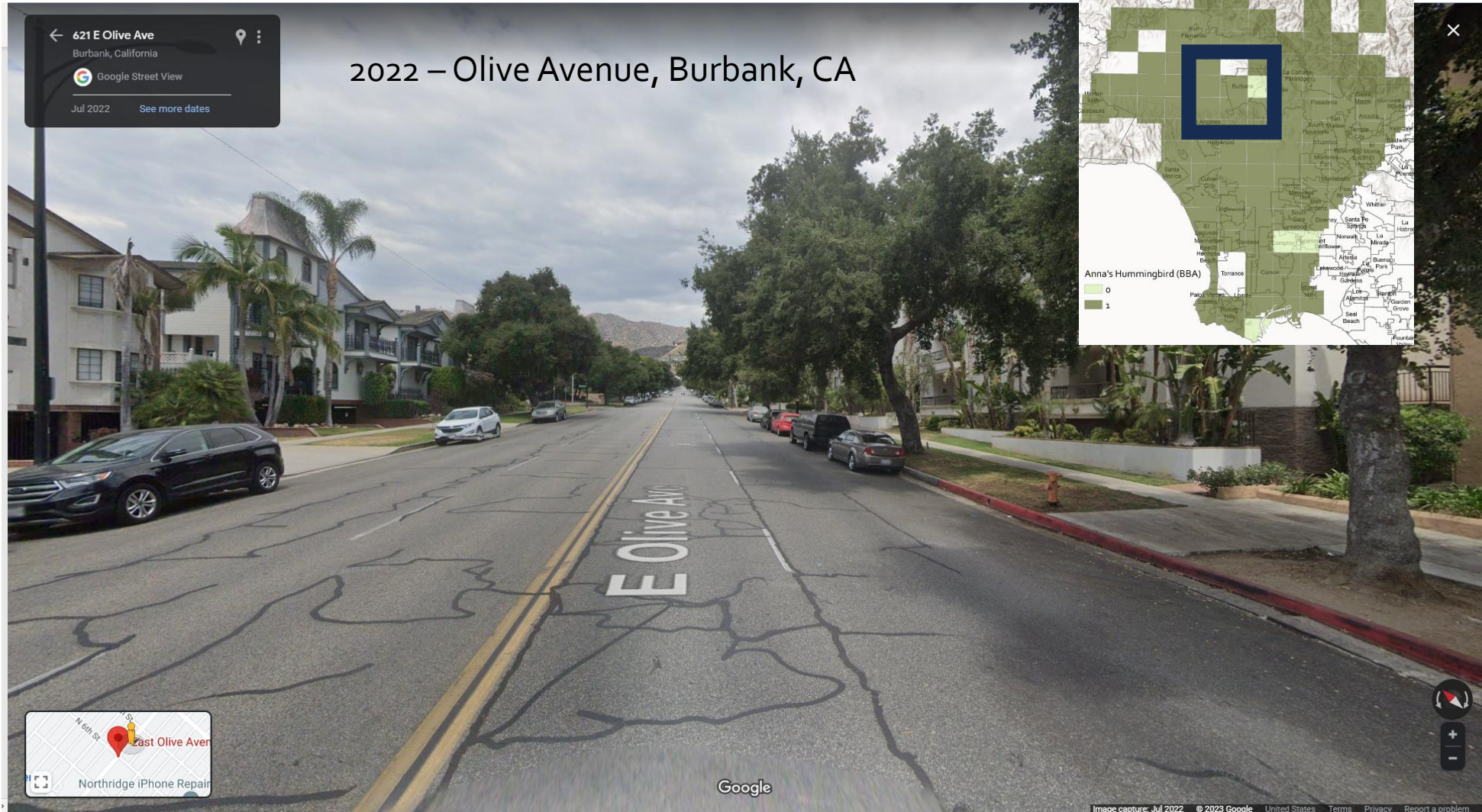
Lyon and Wood, 2023, Mapping LA History Project

Urban Forest - *then*

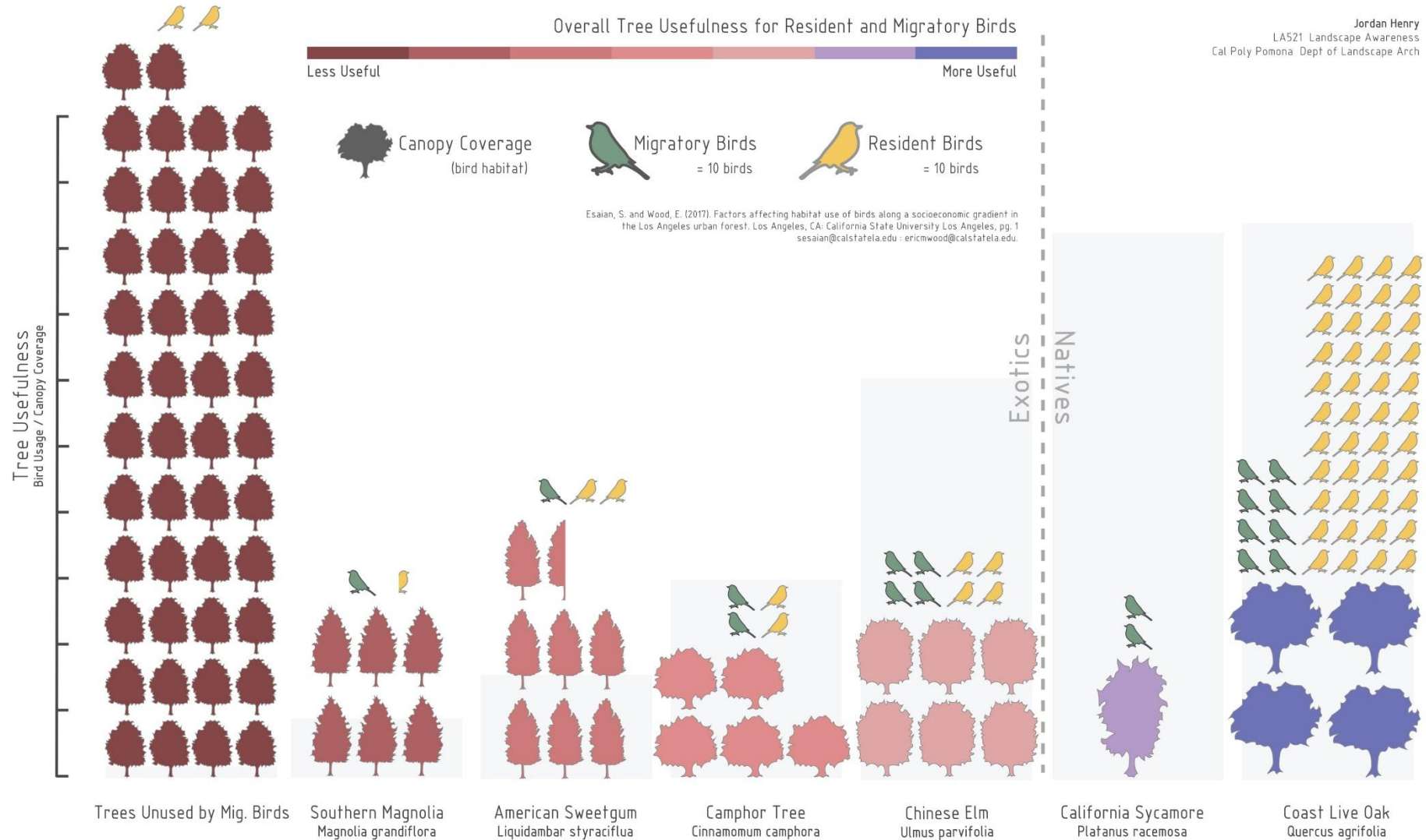
1877 – Olive Avenue, Burbank, CA



Urban Forest - *now*



Which Trees Are Most Useful to Birds in Los Angeles?



Talk roadmap



1. Historic

2. Contemporary

3. Future





Historically: Los Angeles was *not* a forested landscape.

Today: One of the **most diverse urban forests** on the planet

Question: Are these trees **distributed equitably** across the city?

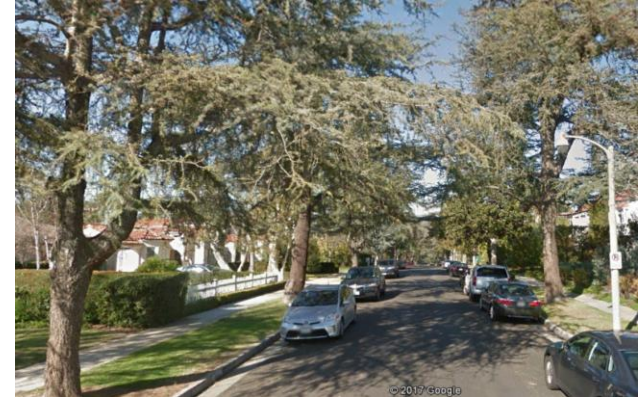
The luxury effect – a tale as old as Los Angeles



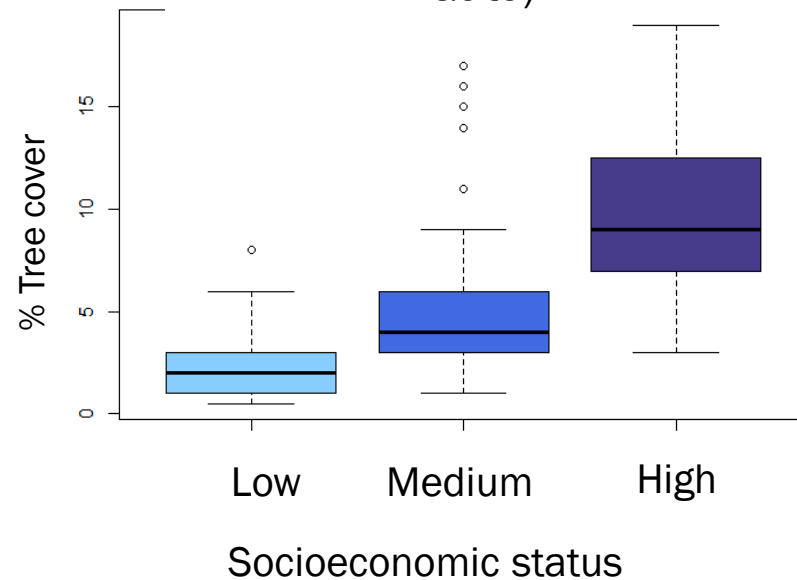
Low income (Boyle Heights)



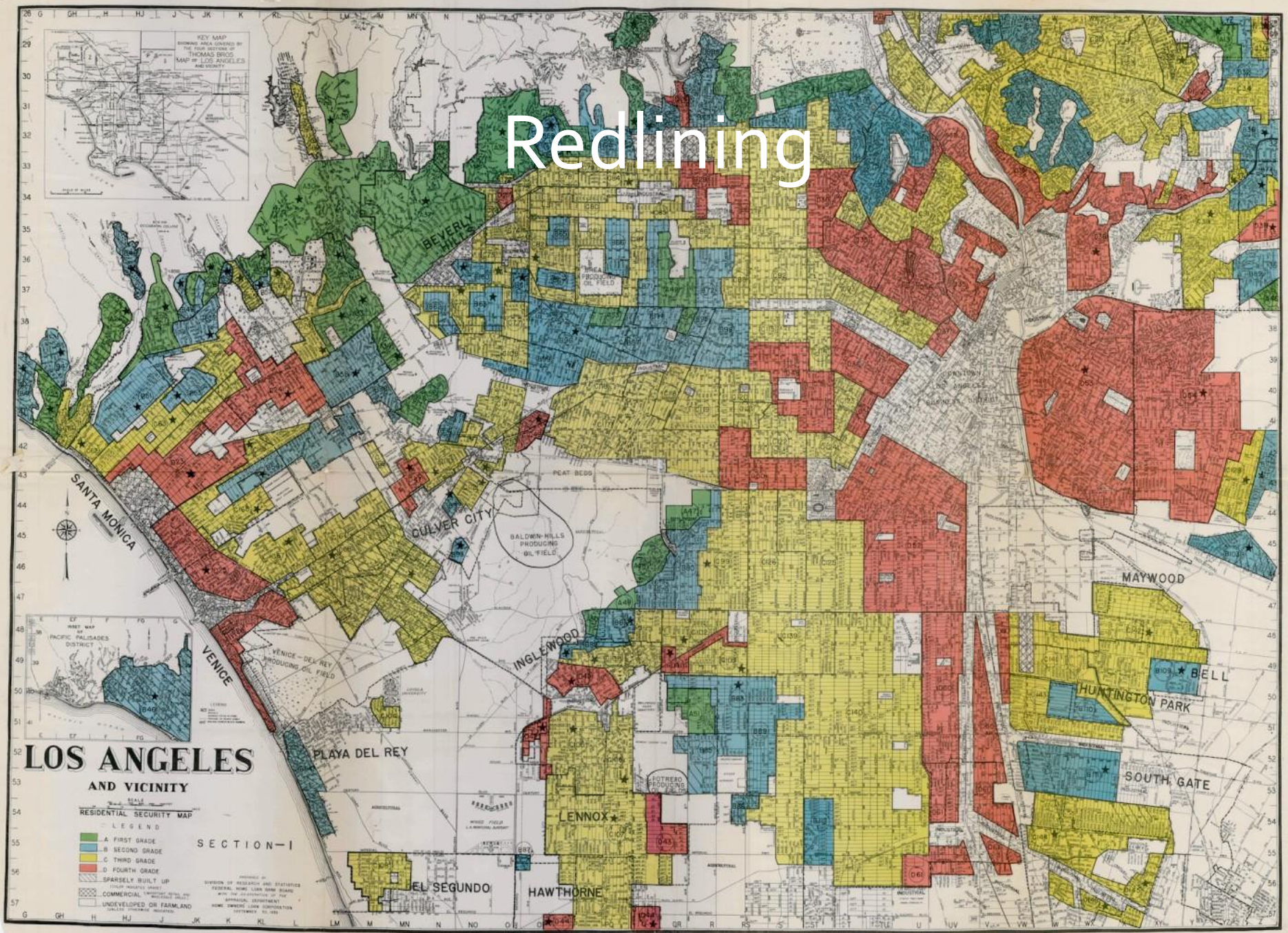
Medium income (South Gate)



High income (San Marino)



*Where did
this come
from???*



Redlining

LOS ANGELES
AND VICINITY

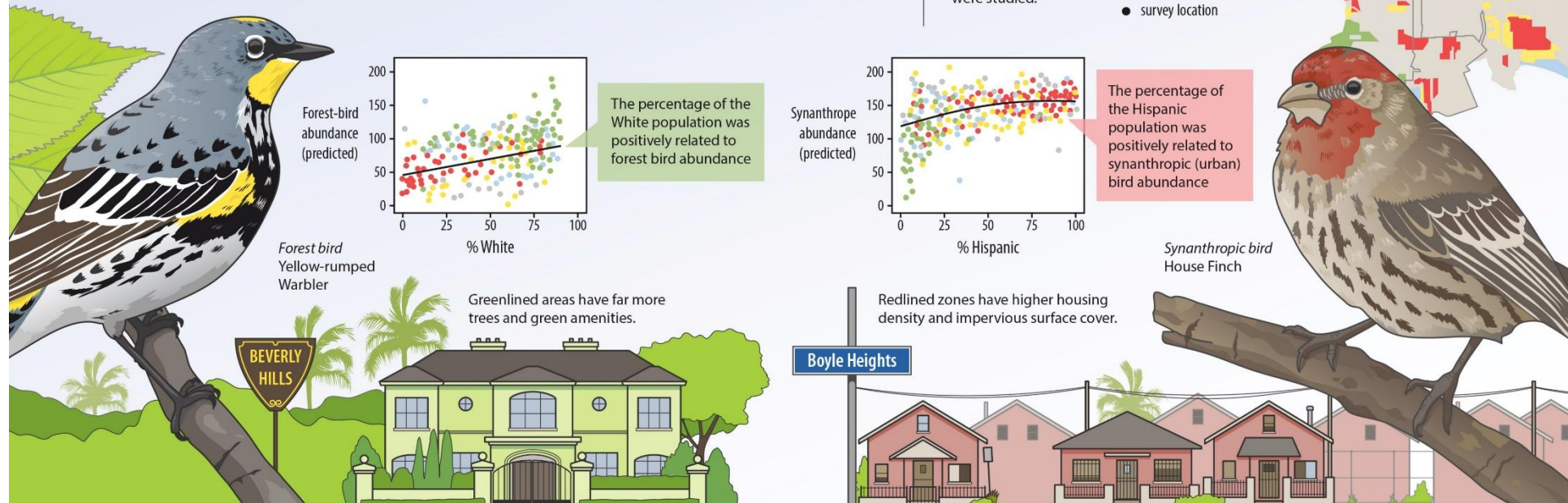
RESIDENTIAL SECURITY MAP
LEGEND

- A FIRST GRADE
- B SECOND GRADE
- C THIRD GRADE
- D FOURTH GRADE
- SPARSELY BUILT UP
- COMMERCIAL
- UNDEVELOPED OR FARMLAND

SECTION-1

Redlining continues to be related to avifaunal community patterns, their habitat and the people who experience them

The Home Owners' Loan Corporation (HOLC) was a U.S. government-sponsored program that used security-risk maps to evaluate mortgage lending practices from the 1930s until 1968. The risk maps were racially biased and showed where investment should be focused (greenlined areas; A = 'Best' for lending) or limited (redlined areas; D = 'Hazardous' for lending). The goal of this research was to explore the legacy effects of the HOLC grading practice on birds, their habitat, and people in Greater Los Angeles, California (L.A.).



KEY FINDING

Historical redlining and contemporary patterns of income inequality are associated with distinct avifaunal communities and their habitat, which potentially influence the human experience of these components of biodiversity throughout L.A.

Wood, E.M, S. Esaian, C. Benitez, P.J. Ethington, T. Longcore and L.Y. Pomara. 2023. Historical racial redlining and contemporary patterns of income inequality negatively affect birds, their habitat, and people in Los Angeles, California. *Ornithological Applications*. <https://doi.org/10.1093/ornithapp/duad044>

Plots have been simplified for infographic

@LA_Naturalist

Talk roadmap



1. Historic

2. Contemporary

3. Future



Residential yards as habitat for wildlife



70% of LA is residential
Maybe 99% residential areas look like this



<1% of LA's residential areas?



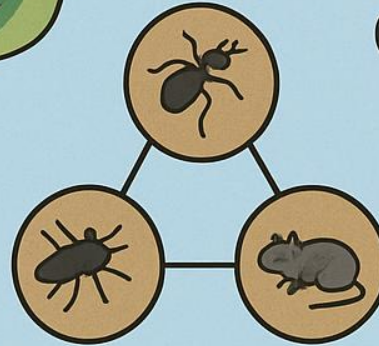
What does native plant landscaping do for our wildlife?



More
birds



More
pollinators



More complex
food webs



Summary

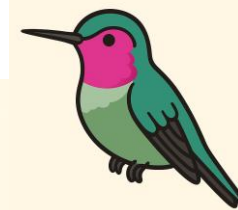


1. Historic

2. Contemporary

3. Future





Where We Go from Here: Oaks + Equity + Wildlife

Why this update matters



Protect Keep healthy oaks on sites; design around them; require best-practice care



Restore Replace lost oaks with native oaks + understory; prioritize climate-ready species



Equity Target new planting + long-term stewardship in historically under-canopied areas

What residents can do



Plant native (oak + shrubs/forbs) to rebuild habitat in yards, parkways, and schools



Support funding for street-tree care (watering, pruning) so trees survive



Join neighborhood planting/ stewardship groups
report oak impacts during permitting



With gratitude

Caroline Chen, Senior Planner

(cchen@planning.lacounty.gov)

Mark Herwick, Supervising Planner

(mherwick@planning.lacounty.gov)

What the science says (in one line)

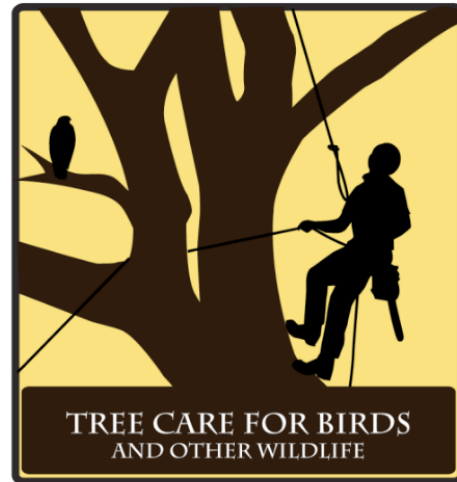
Native plantings → more birds, more pollinators, more complex food webs → healthier, cooler neighborhoods.

Tree Care for Wildlife Best Management Practices

<https://treecareforbirds.com/>

Bassett et al. 2022

with Western Chapter ISA Appendices



Corey Bassett, Kara Donohue, and Ryan Gilpin

- Urban tree care **shapes wildlife habitat** — every pruning or removal decision matters.
- **Inspect for nests** and adjust work to avoid harming birds and other species.
- **Preserve deadwood and native trees** (like coast live oak!) whenever safe; they're vital for biodiversity.
- Follow **Tree Care for Wildlife BMPs** to balance safety, aesthetics, and ecology.

WOOD LAB OF AVIAN AND URBAN ECOLOGY AT **CAL STATE LA**



Re-growing LA's future
one oak, one yard, one
neighborhood at a time.

Eric Wood, PhD

www.ericmwood.org

email: ericmwood@calstatela.edu



Daniel Hoffman
Principal GIS Analyst,
LA County Planning

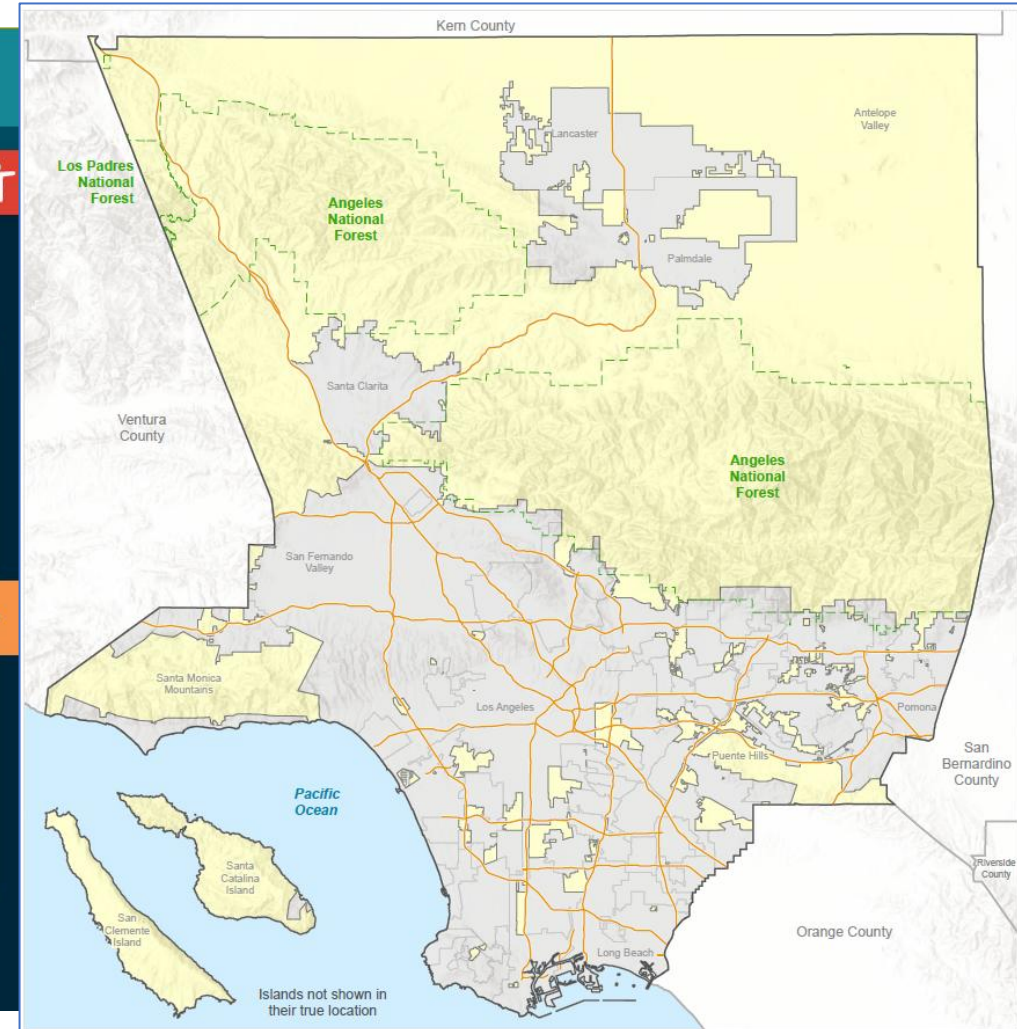
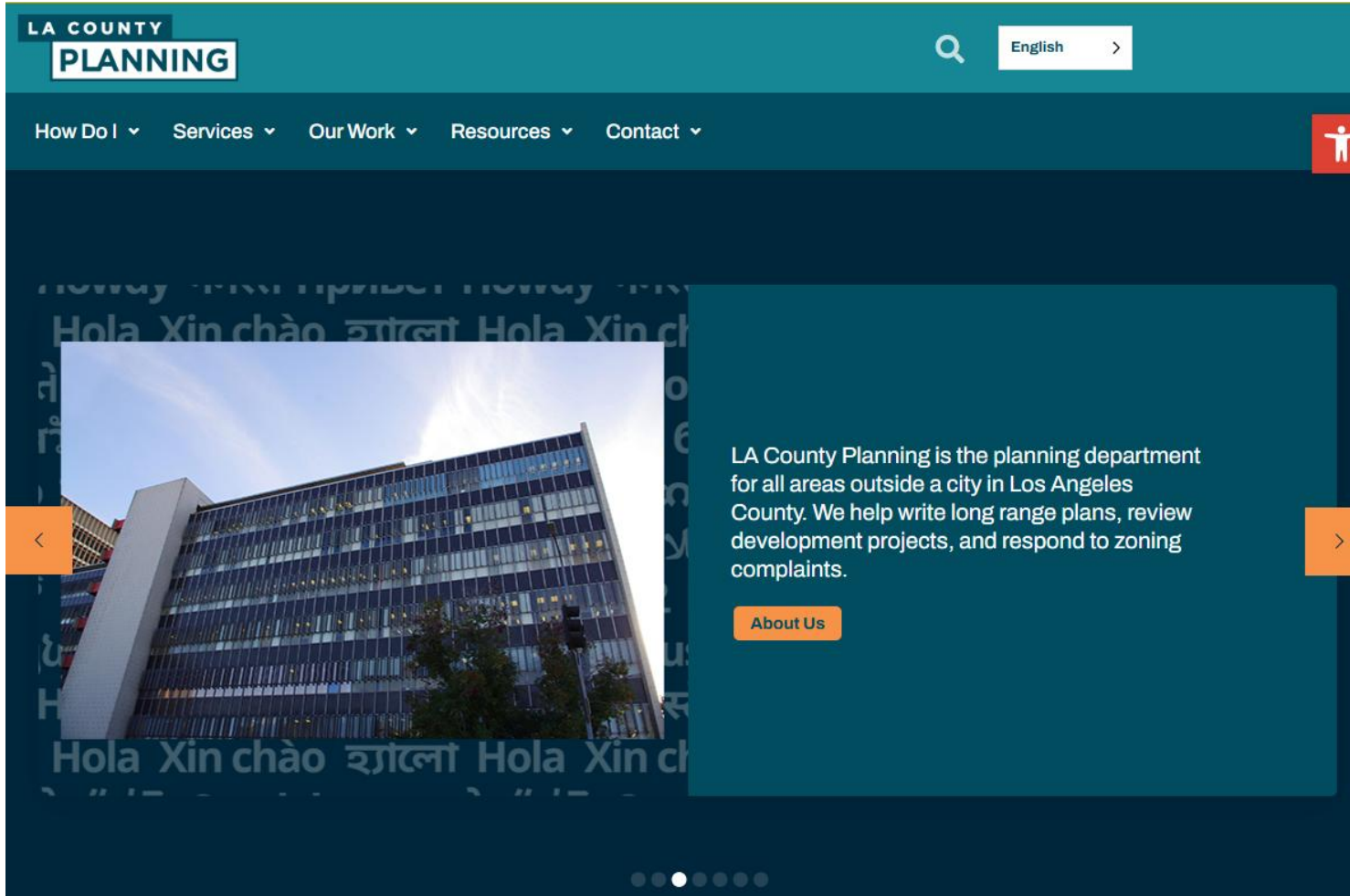
The Map Beneath the Canopy: Discovering Trees Through the Tree Hub

For Community Planning Month – October 30, 2025
Daniel Hoffman, Principal GIS Analyst

Topics for Today

- Brief Background
- LA County Tree and Oak initiatives
- Tree Hub Walk-through
- Oak Tree Monitoring

Our Organization - LA County Planning



LA County Oak and Tree related initiatives

- **Community Forest Management Plan** - LA County's first Community Forest Management Plan (CFMP) lays out a practical, people-centered path to grow a cooler, greener, and more connected urban forest.
- **LA County Oak Tree Program** – The Oak Tree Program balances preservation and progress—safeguarding native oaks, refining permitting, and promoting thoughtful design that protects LA County's oak heritage.
- **Oak Tree Pests** – To defend LA County's oaks from invasive pests like the Goldspotted Oak Borer (GSOB), the County is developing stronger inspection, education, and restoration programs.
- **Tree Committee** – This group is driving cross-department collaboration on canopy expansion, workforce pathways, oak mapping, and pest management to deliver the CFMP's vision.

Tree Hub

“We are curating a library of tree data layers in LA County to facilitate access to current data from authoritative sources. This is a work in progress, and the site will continue to evolve as data layers and tree-related GIS resources are included and updated.”

Tree Hub Website



Los Angeles County Tree Hub

Home

Oak Trees

Data

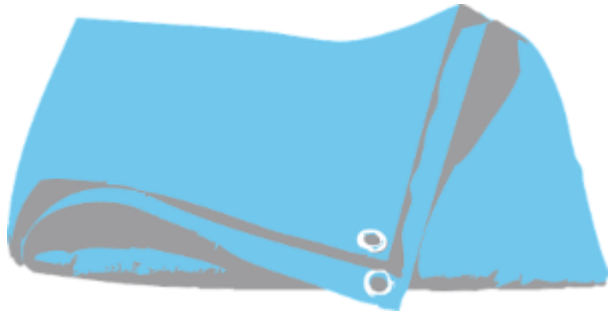
Tools & Resources

Los Angeles County GIS for Trees



<https://trees-lacounty.hub.arcgis.com/>

The Blanket and the Quilt



The Blanket

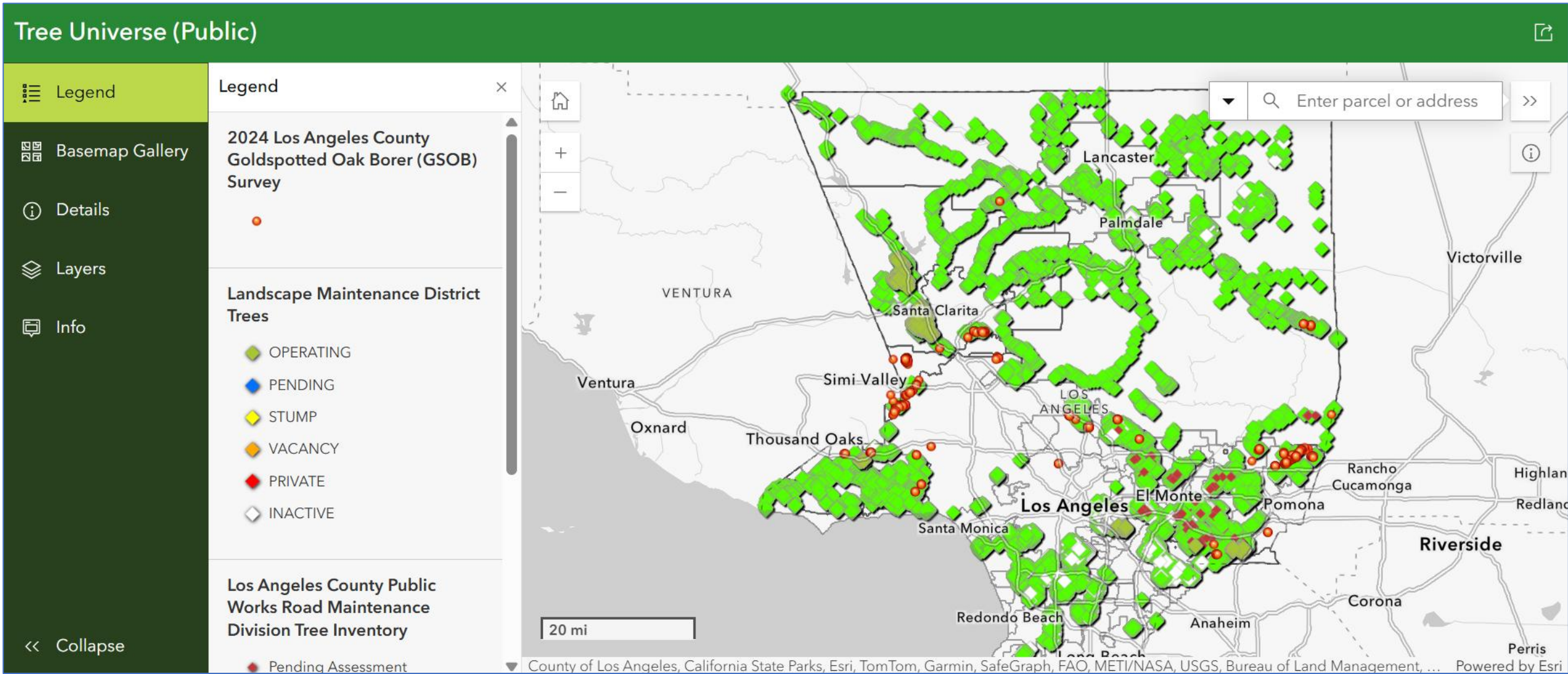
When completed, the Blanket will serve as a comprehensive tree inventory of all trees in LA County collected through remote sensing. It is developed from multi-spectral imagery, captured through the [LARIAC program](#). The data will be parsed into attributes such as tree species and tree condition to provide a snapshot of County arboreal resources at a single point in time.



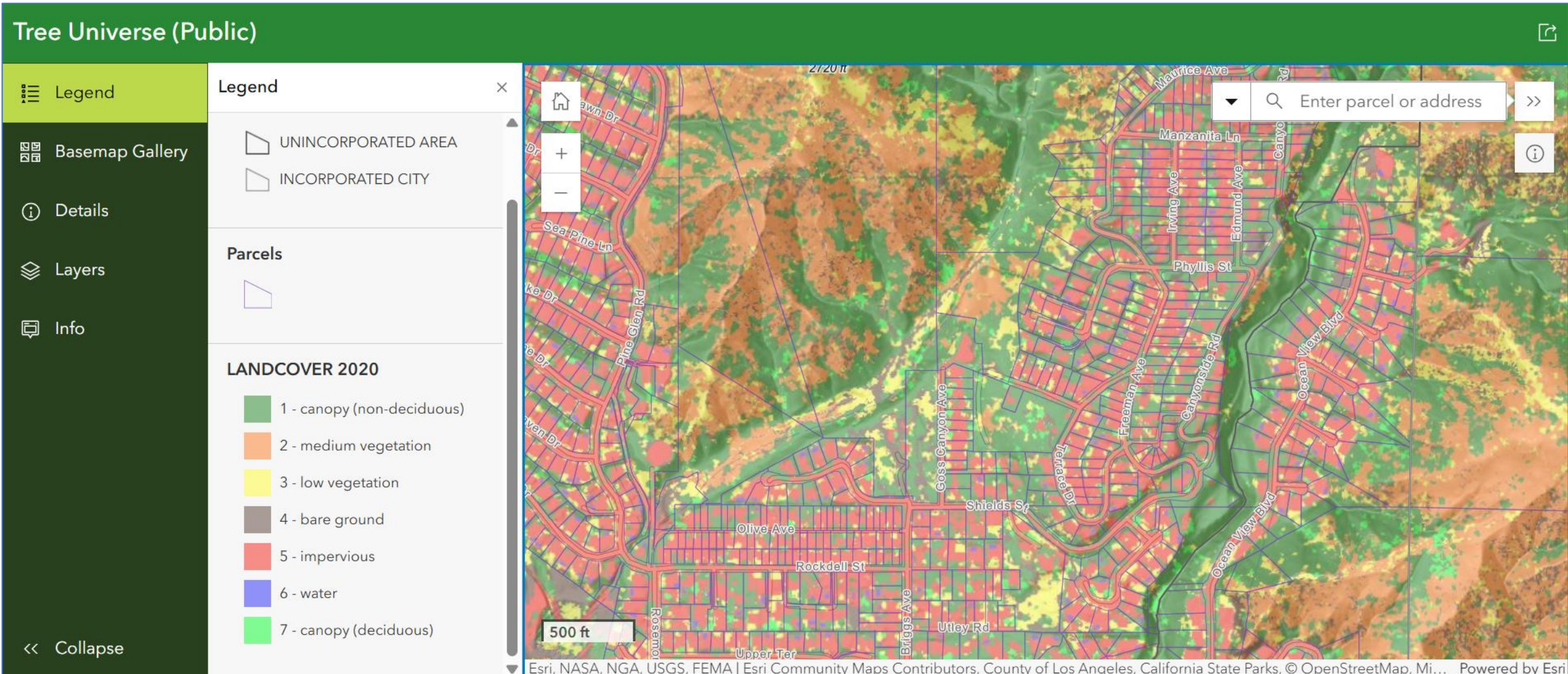
The Quilt

The Quilt comprises an evolving collection of existing tree data and attributes by LA County departments in the course of managing trees. Data from the quilt are continuously updated and collected at different points in time. These data include private trees identified in the Planning permitting process, parkway trees maintained by Public Works, and park trees planted and maintained using the Oak Forests Special Fund. We also refer to the Quilt as the County's "Tree Universe."

Tree Universe



Tree Universe



Oak Trees



Los Angeles County Tree Hub

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Why Oak Trees?

Oaks provide an outsized contribution to the ecosystems where they grow. They provide food and shelter to thousands of species of plants, wildlife, and insects. They improve the air we breathe and the quality of water we drink. They hold water in our watersheds to keep the soil from drying out, recharge groundwater, help to stabilize soil and prevent erosion, lower the air and soil temperature, and provide cooling shade, while enhancing views and property values. Additionally, some species of oak have fire-resistant qualities and when maintained following guidelines from Los Angeles County Fire and Planning and may help to block embers from igniting structures.

Oak trees are culturally significant for local Native American Tribes, including as a food source. LA County recognizes the importance of protecting California's oaks and other native trees, especially amid the threats of climate change, invasive pests, and development.



Oak Trees

 Los Angeles County Tree Hub

[Home](#) [Oak Trees](#) [Data](#) [Tools & Resources](#)



©2016 Neal Kramer

Coast Live Oak (*Q. agrifolia*)

Region: Coastal Area, Foothills, Puente-Whittier Area, Metro Area

Summary: This evergreen oak's range spans across the entire extent of California's coast as well as through the Sierra Nevadas. It can easily live a long life without needing much water since it's very drought tolerant. Living more than a couple centuries is common for this species. It also blooms small yellow-green catkins flowers and sometimes small reddish-green spikey flowers too, although less visible.



Engelmann / Pasadena Oak (*Q. engelmannii*)

Region: Foothills

Summary: The Engelmann (also known as the Pasadena) is more delicate and smaller than the coast live oak. They can live up to 250 years or more, but it's possible for coast live oak to live over 1,000 years. LA County only has one intact grove at the Arboretum and a few on the N/E corner of Santa Anita Park. These oaks are aging and more should be planted to replenish ones that won't survive. They thrive near water sources, not in high fire hazard areas since they are not as fire-resistant.

[Learn More](#)

Oak Trees



Threats to Oaks

Climate Change

Weather changes can add unexpected stress to trees.

Wildfires

Destruction from fires is a big issue, and the challenges for surviving trees post-fire

Tree Removal

Even if still living, trees can be removed due to obstruction.

Hazardous Waste

Hazards entering the environment post-fire presents challenges.

Drought

Although oaks are very drought-resistant, extreme bouts of drought can be problematic.

Development

Arguably the most detrimental threat, development has been the main cause of oak destruction historically in Los Angeles County and could also be in the future.

Invasive Pests

Non-native beetles such as the goldspotted oak borer and the shothole borer pose great new challenges in addition to existing native pests like moths.

[Learn More](#)



GIS Data



Los Angeles County Tree Hub

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Search by Keyword



Search catalog of related GIS content



Trees

Follow Initiative

GIS Data



Los Angeles County Tree Hub

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FiltersReset1 - 24 of 60 resultsSort by: RelevanceList

Collections

All content (60)

Data (26)

Documents (4)

Apps & Maps (25)

Location

Find address or place

Results: 60

Lancaster

Palmdale

Santa Clarita

Simi Valley

Rancho Cucamonga

Dataset

[Los Angeles County Public Works Road Maintenance Division Tree Inventory_\(Public View\)](#)

County of Los Angeles

Los Angeles County Department of Public Works Road Maintenance Division Parkway Tree inventory. This public view includes, but is not limited to, information regarding species and status of the Public Works...

Type: Feature ServiceDate updated: 5/29/2025Tags: Trees, DPW, LA County, RMDCategories: Environment, Public Works (PW), Infrastructure

Dataset

[Parkway Tree Trimming Areas \(Public View\)](#)

County of Los Angeles

Los Angeles County Public Works Road Maintenance Division Parkway Tree Trimming Areas

GIS Data

 Los Angeles County Tree Hub

2022 Urban Trees

 **Zoe Frumin**
County of Los Angeles

Summary

Map of tree points in the urban areas of Los Angeles County in 2022.

[View Full Details](#)

[Download](#)

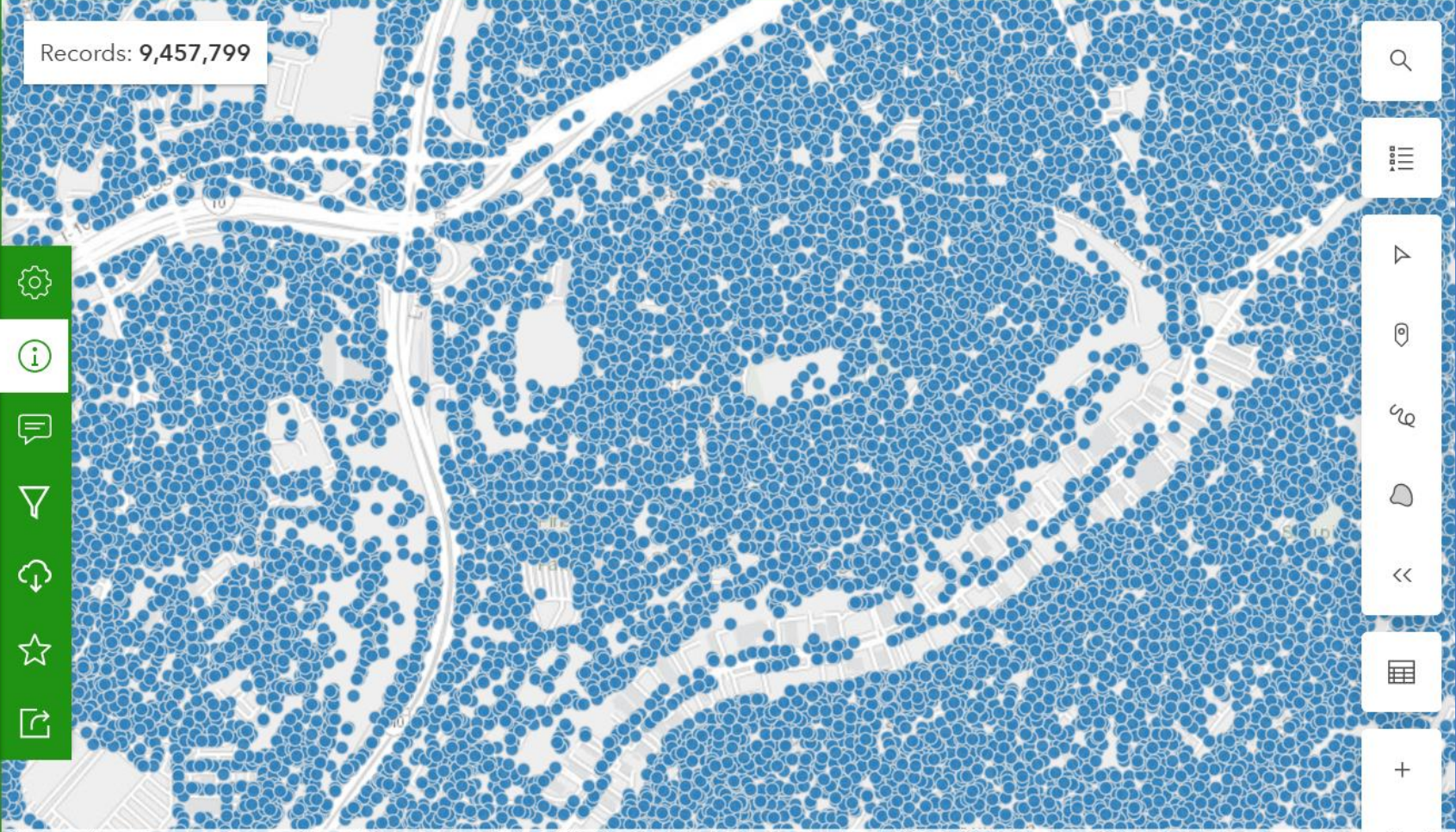
Details

 **Dataset**
Feature Layer

 **June 10, 2025 at 4:09:20 PM PDT**
Info Updated

[I want to use this](#)

Records: 9,457,799



Map navigation controls: Search, Layers, Full Screen, Home, Measure, Share, Previous View, Next View, Legend, and a plus sign for more options.

Map navigation toolbar: Settings, Info, Comments, Filter, Refresh, Star, and Share.

County of Los Angeles, Bureau of Land Management, Esri, HERE, Garmin, GeoTechnologies, Inc., USGS, EPA | J. Ventura, C. Pawlak, M. Honsb... Powered by Esri

GIS Data



Los Angeles County Tree Hub

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2022 Urban Trees

Zoe Frumin

Summary

Map of tree points in the urban areas of Los Angeles County in 2022.

This dataset of tree points in urban areas of Los Angeles County was created using imagery from 2022 by a team of researchers at the Urban Forest Ecosystems Institute at Cal Poly (UFEI). This map is based on NAIP imagery from 2022, processed by a convolutional neural network (CNN) which learned to detect trees from a collection of hand-annotated samples. The CNN takes NAIP imagery as input and outputs a confidence map indicating the locations of trees. The individual tree locations are found by local peak finding.

- Find more information about how these points were populated here: <https://www.sciencedirect.com/science/article/pii/S1569843224002024>
- Find more information about UFEI here: <https://ufei.calpoly.edu/>

This project was funded by CAL FIRE (award number: [8GB18415](#)) the US Forest Service (award number: [21-CS-11052021-201](#))

J. Ventura, C. Pawlak, M. Honsberger, C. Gonsalves, J. Rice, N.L.R. Love, S. Han, V. Nguyen, K. Sugano, J. Doremus, G.A. Fricker, J. Yost, and M. Ritter. "Individual Tree Detection in Large-Scale

Details



Dataset

Feature Layer



June 10, 2025 at 4:09:20 PM PDT

Info Updated



June 9, 2025 at 3:34:32 PM PDT

Data Updated



June 9, 2025 at 3:18:57 PM PDT

Published Date



Records: 9,457,799

[View data table](#)



Public

Anyone can see this content



Custom License

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Tools and Resources



Los Angeles County Tree Hub

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Oak Trees

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Tools & Resources

4 of 20, Arranged Alphabetically

GIS Map Applications

View All



California Climate Trees Map

Highlights newly planted trees funded by California Climate...

Explore



California Urban Forest Inventory

Provided by the Cal Poly Urban Forest Ecosystems Institute...

Explore



California's Native Trees

A map of California's native tree ranges, and where they overla...

Explore



City of Maywood Tree Inventory Map

A tree inventory map displaying the locations of street trees alo...

Explore



Collaborate with us!

- Survey form embedded at the bottom of the Home page
- Let us know about any good data or GIS applications to put in here!

Collaborate with us!

Your input helps us make our resources even better. Do you have a suggestion for an important data set or application we should feature? Please share your ideas with us below.

Name*

Email*

Comments:

1000

Submit

Oak Tree Permit Monitoring (not in Tree Hub yet)



Oak Tree Permit Monitoring (not in Tree Hub yet)

Legend

Test - Oak Trees for CP - Test Oak Trees for CP

Protection Status + OTP Req. Impact

- ▲ NotProtected - NoImpact
- ▲ NotProtected - Encroachment
- ▲ Not Protected - Encroachment
- ▲ NotProtected - Pruning (major)
- ▲ NotProtected - Removal
- ▲ Not Protected - Removal
- ▲ Not Protected - New Tree Planted
- Protected - NoImpact
- Protected - Encroachment
- Protected - Pruning (major)
- Protected - Removal
- Protected - New Tree Planted
- Other

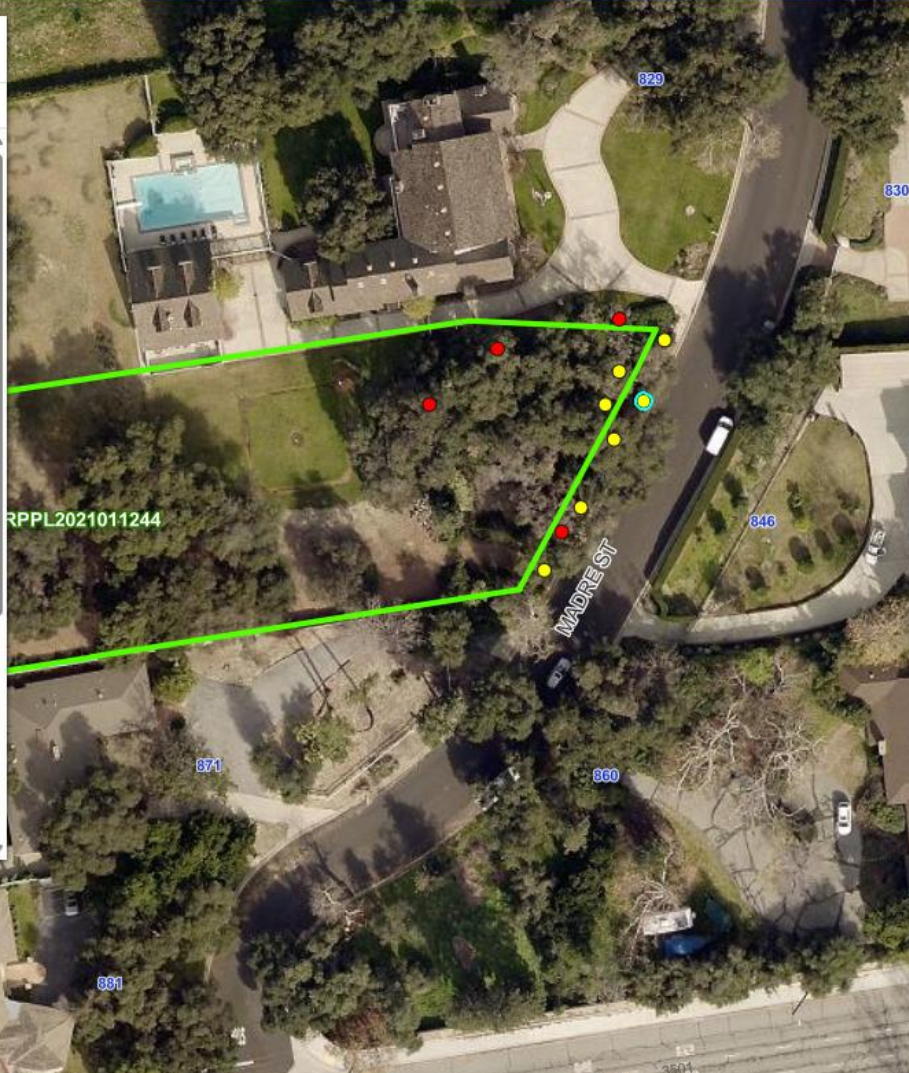
Permit - Case History Polygons (EnerGov)



Test Oak Trees for CP: 222

Table Edit Get directions Zoom to

Tree ID Number	849 Madre Street - OTP RPPL2021011244 - Oak Tree 4
EnerGov Project Information	
EnerGov Plan No.	OTP RPPL2021011244
EnerGov Project No.	PRJ2021-004689
Oak Tree Permit Requested Impact	Encroachment
Oak Tree Report Information	
Tree Species	Coast Live Oak
Protection Status	Protected
Protected Type	Regulation sized, but not Heritage
Not Protected Type	
Is the tree in a oak woodland?	yes
What is the Condition of the woodland?	Severely Degraded
Date Replacement Tree was Planted	
Date Tree was Removed	



Oak Tree Permit Monitoring (not in Tree Hub yet)

Legend

Test - Oak Trees for CP - Test Oak Trees for CP

Protection Status + OTP Req. Impact

▲ NotProtected - NoImpact

▲ NotProtected - Encroachment

▲ Not Protected - Encroachment

▲ NotProtected - Pruning (major)

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▲ Not Protected - Removal

▲ Not Protected - New Tree Planted

● Protected - NoImpact

● Protected - Encroachment

● Protected - Pruning (major)

● Protected - Removal

● Protected - New Tree Planted

○ Other

Permit - Case History Polygons (EnerGov)

Test Oak Trees for CP: 222

Table Edit Get directions Zoom to

Impact	
Oak Tree Report Information	
Tree Species	Coast Live Oak
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Protected Type	Regulation sized, but not Heritage
Not Protected Type	
Is the tree in a oak woodland?	yes
What is the Condition of the woodland?	Severely Degraded
Date Replacement Tree was Planted	
Date Tree was Removed	

Monitoring History

TreeMonitoring: 175

7/17/2025, 12:03 PM

TreeMonitoring: 261

6/17/2024, 12:00 PM

Oak Tree Permit Monitoring (not in Tree Hub yet)



Thank you!

Dan Hoffman, GISP

Principal GIS Analyst, L.A. County Planning

dhoffman@planning.lacounty.gov

<https://trees-lacounty.hub.arcgis.com/>



Rosi Dagit

Principal Conservation Biologist

RCD SMM

Why we need Oak Trees



Presented by
Rosi Dagit
Principal Conservation Biologist
Certified Arborist
October 2025

THANKS TO



- LA County Forestry
- LA County Dept of Regional Planning
- Supervisor Sheila Kuehl
- UC Cooperative Extension
- NPS and CA State Parks
- CalFire
- RCD of the Santa Monica Mountains
- Local Arborists
- Community Volunteers



Sheila Kuehl
Supervisor Sheila Kuehl



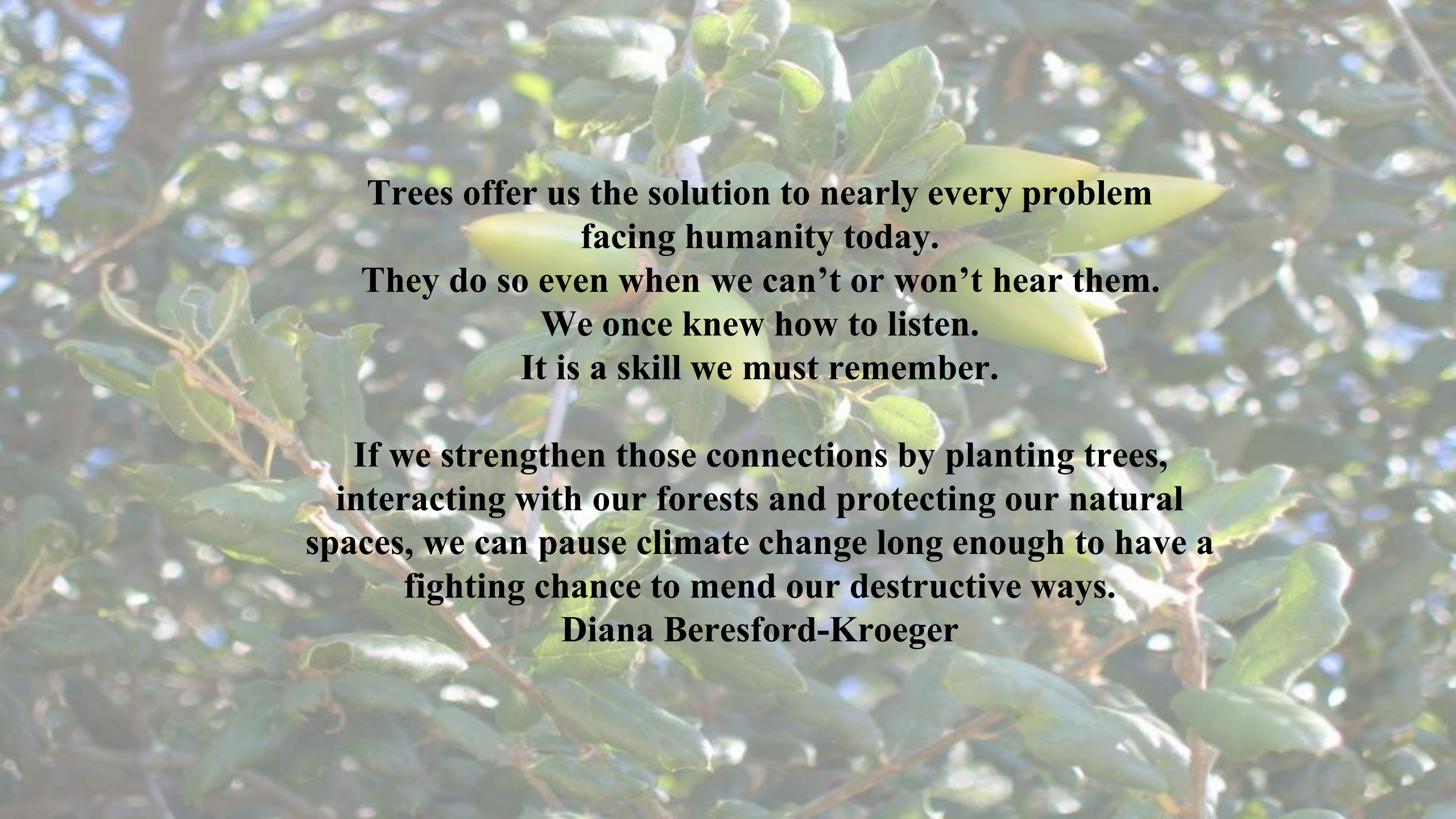
NASA DEVELOP Projects

January – March, 2017

September - December 2017

**Santa Monica Mountains
Ecological Forecasting I and II**

**Los Angeles
County Native
Tree Priority
Planting Plan
(2019)**



**Trees offer us the solution to nearly every problem
facing humanity today.**

They do so even when we can't or won't hear them.

We once knew how to listen.

It is a skill we must remember.

**If we strengthen those connections by planting trees,
interacting with our forests and protecting our natural
spaces, we can pause climate change long enough to have a
fighting chance to mend our destructive ways.**

Diana Beresford-Kroeger

What can oak trees teach us?



Sense of Place



Photo thanks to John Luker

Oaks define the southern CA landscape

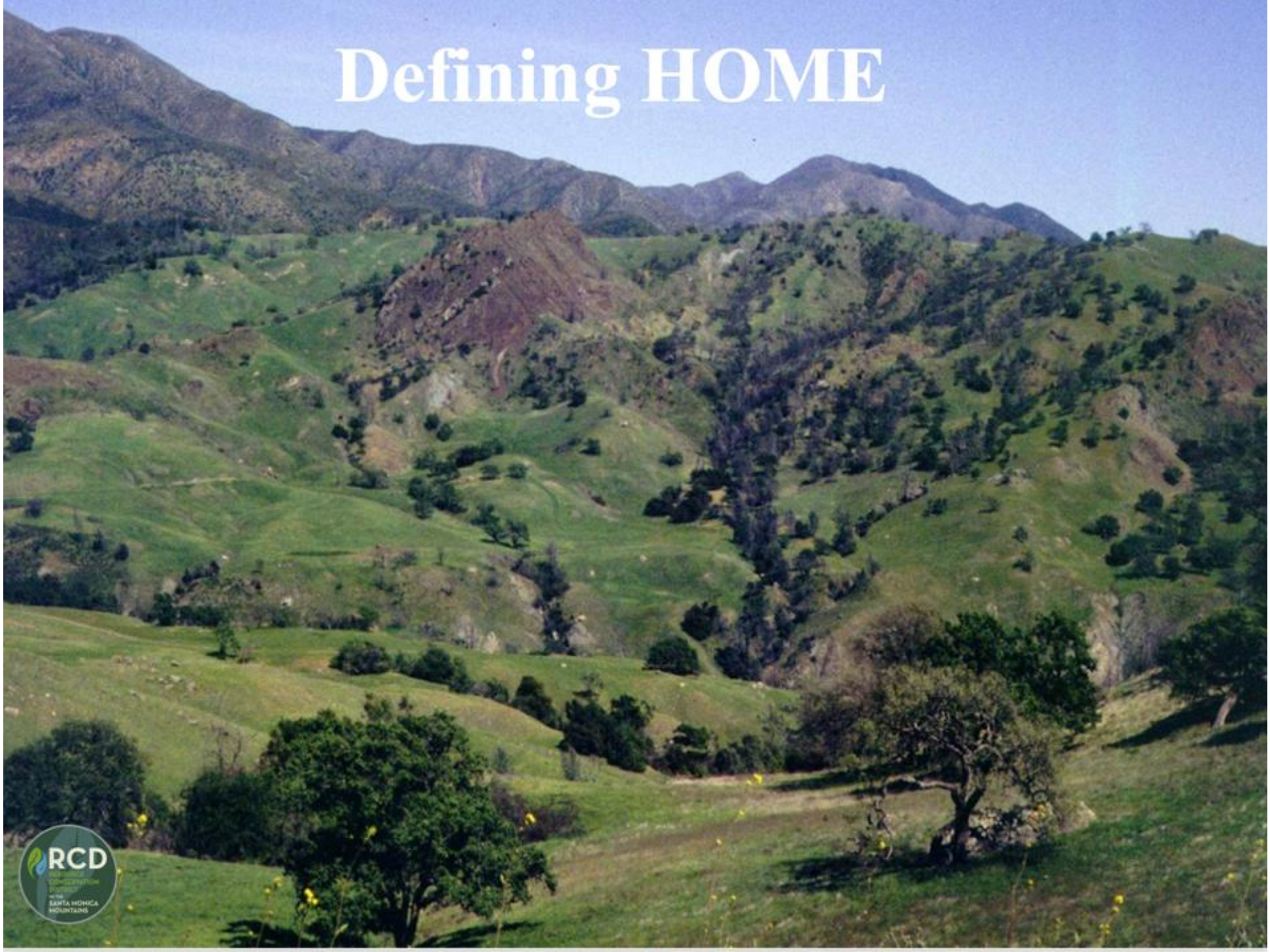


Mural from La Brea Tar Pits

Oak woodlands play a major role in mitigating effects of fire, flood, erosion, air pollution



Defining HOME

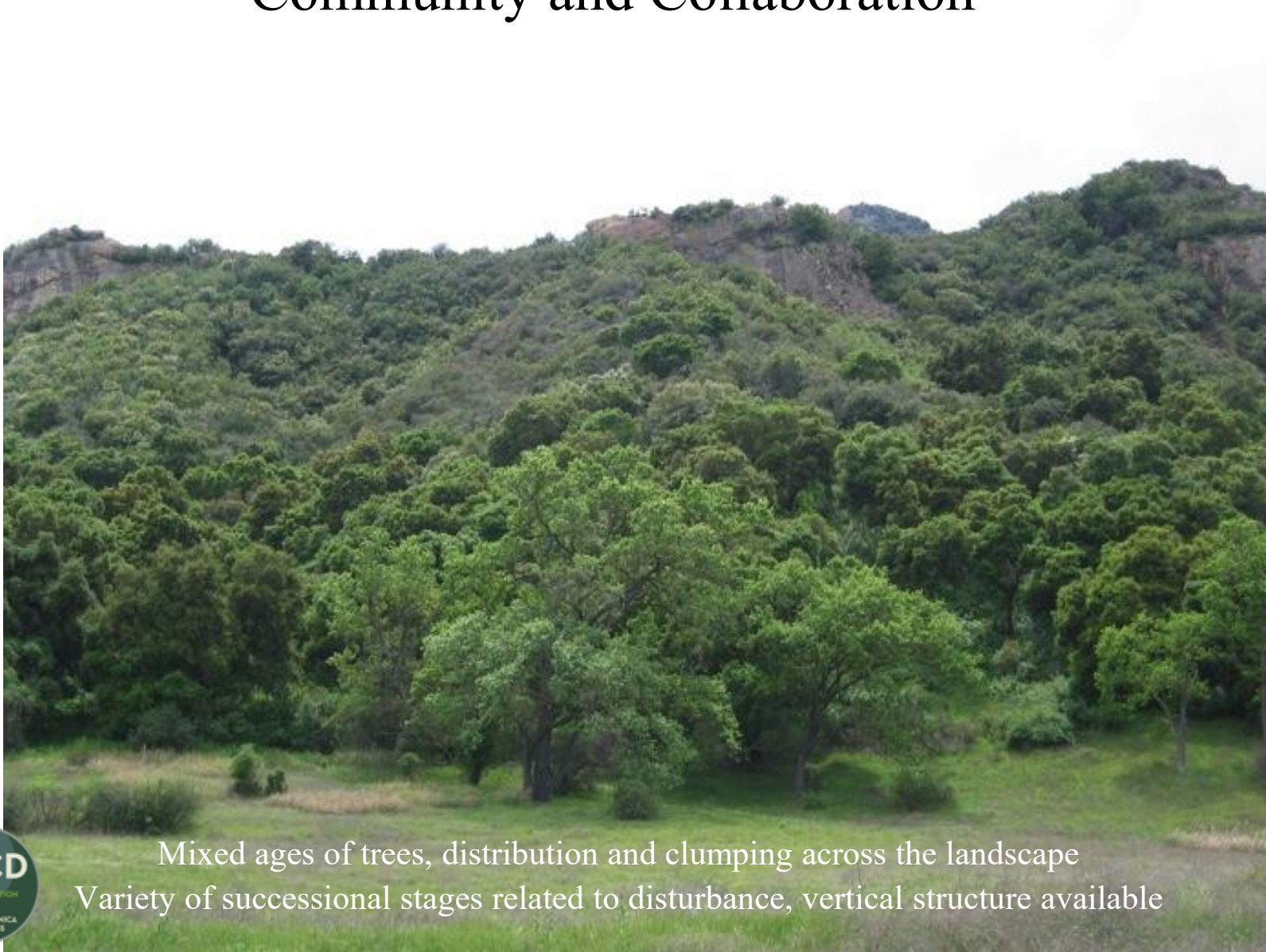


Complex ecosystem with many species,
including humans



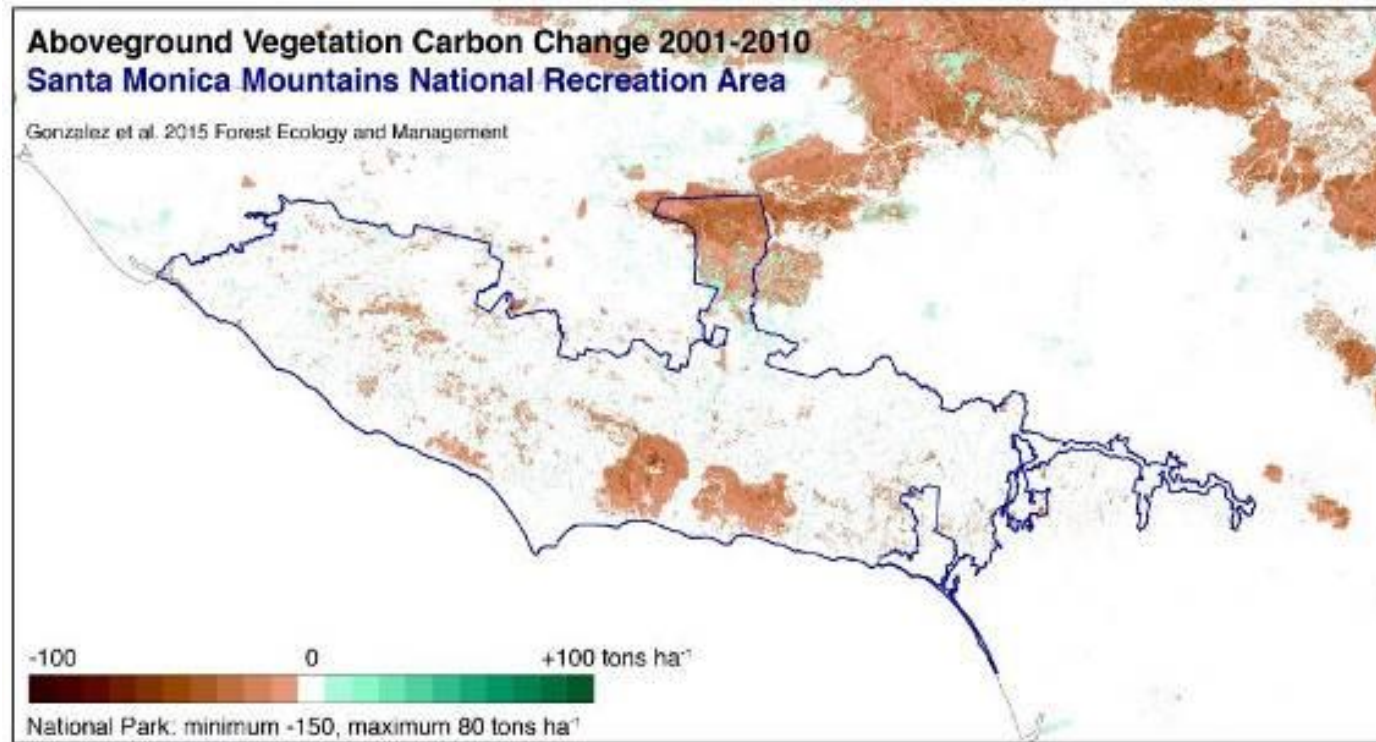
Oak woodlands provide many kinds of habitats

Community and Collaboration



Mixed ages of trees, distribution and clumping across the landscape
Variety of successional stages related to disturbance, vertical structure available

Carbon Sequestration and Storage Values



Persistence in spite of development



Extreme Heat Days and Drought



Fried leaves 6-7 July 2018, 5-7 Sept 2020, 2-5 Sept 2024

BAD BEETLES!!!!



Invasive shothole borer (ISHB)



Gold spotted oak borer (GSOB)

Why plant oaks?

- Need to plant in the face of uncertain future – climate, drought, wildfire, extreme temperatures, etc.
- Threats from bad beetles shouldn't restrict planting
- Oaks recruit in pulses demographics show that they are not keeping up
- We need not only trees, but specifically oaks

LOS ANGELES COUNTY NATIVE TREE PRIORITY PLANTING PLAN (2019)

<https://www.rcdsmm.org/wp-content/uploads/2019/12/Los-Angles-County-SMMNRA-FINAL-Native-Tree-Priority-Planting-Plan-12.13.19.pdf>

Developed a conceptual framework to guide prioritizing where and what to plant in order to ensure that native trees persist into the future.

Acknowledges need for flexible, adaptive management and monitoring.

Used remote sensing imagery and modeling
to answer ecological questions

Two methods: UAVSAR and AVIRIS

- UAVSAR is useful for sensing physical properties, and can be used to detect vegetation; it is available for 2010-2015
- AVIRIS is useful for spectral-based analysis of an image, but is only available for 2013-2016



AVIRIS on ER-2



UAVSAR on Gulfstream III

Decision Analysis

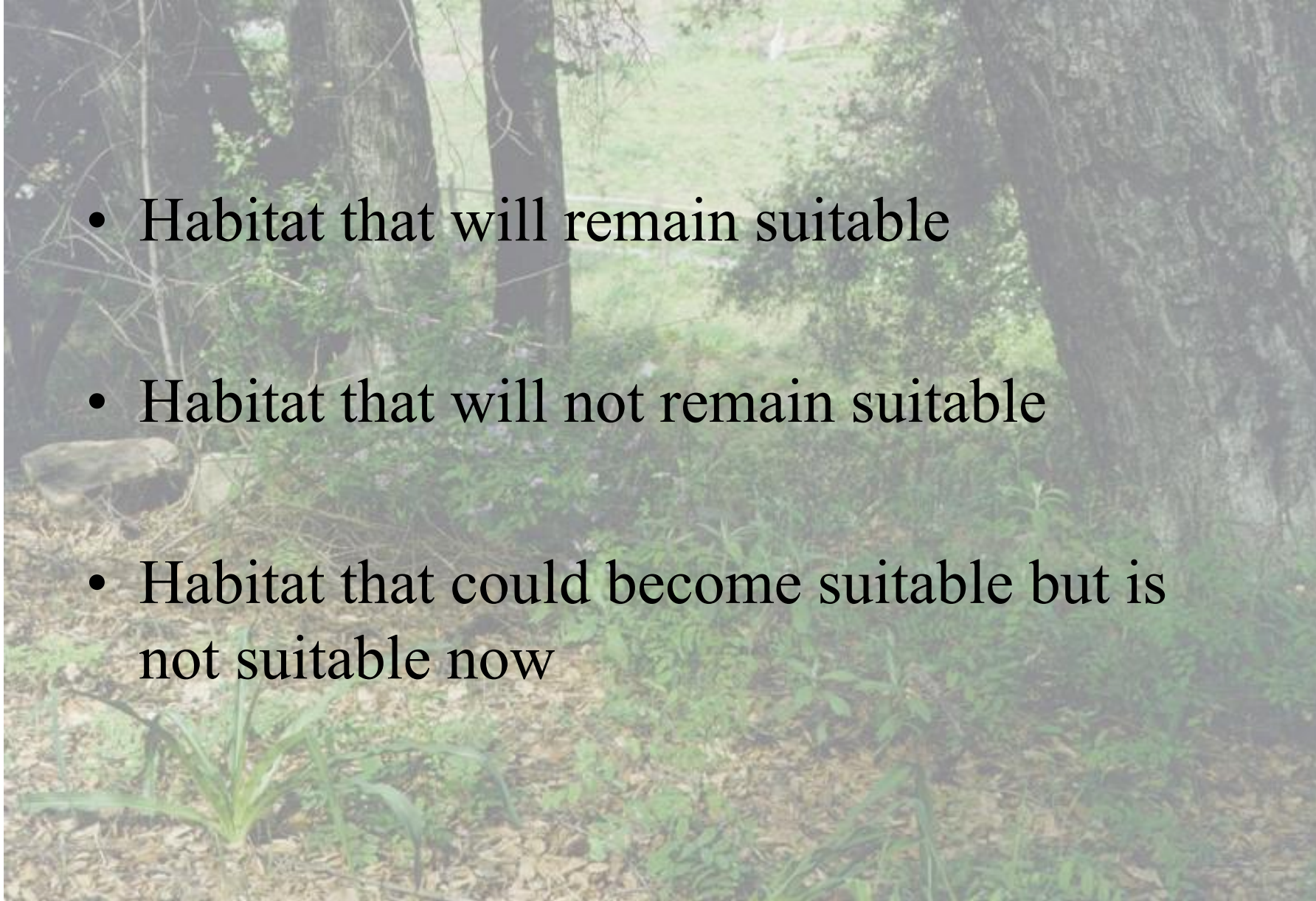
Guiding Site Selection

General guidelines for decision-making are to:

- Increase redundancy and buffers to spread risk;
- Manage for asynchrony and use establishment phase to reset succession (i.e. disturbances can be triggers for planting new species);
- Use disturbances and diebacks due to drought, beetles, or fire to promote diverse age classes, species mixes and genetic diversity;
- Promote connected landscapes to promote dispersal and migration.

WHERE SHOULD WE PLANT?

- Habitat that will remain suitable
- Habitat that will not remain suitable
- Habitat that could become suitable but is not suitable now



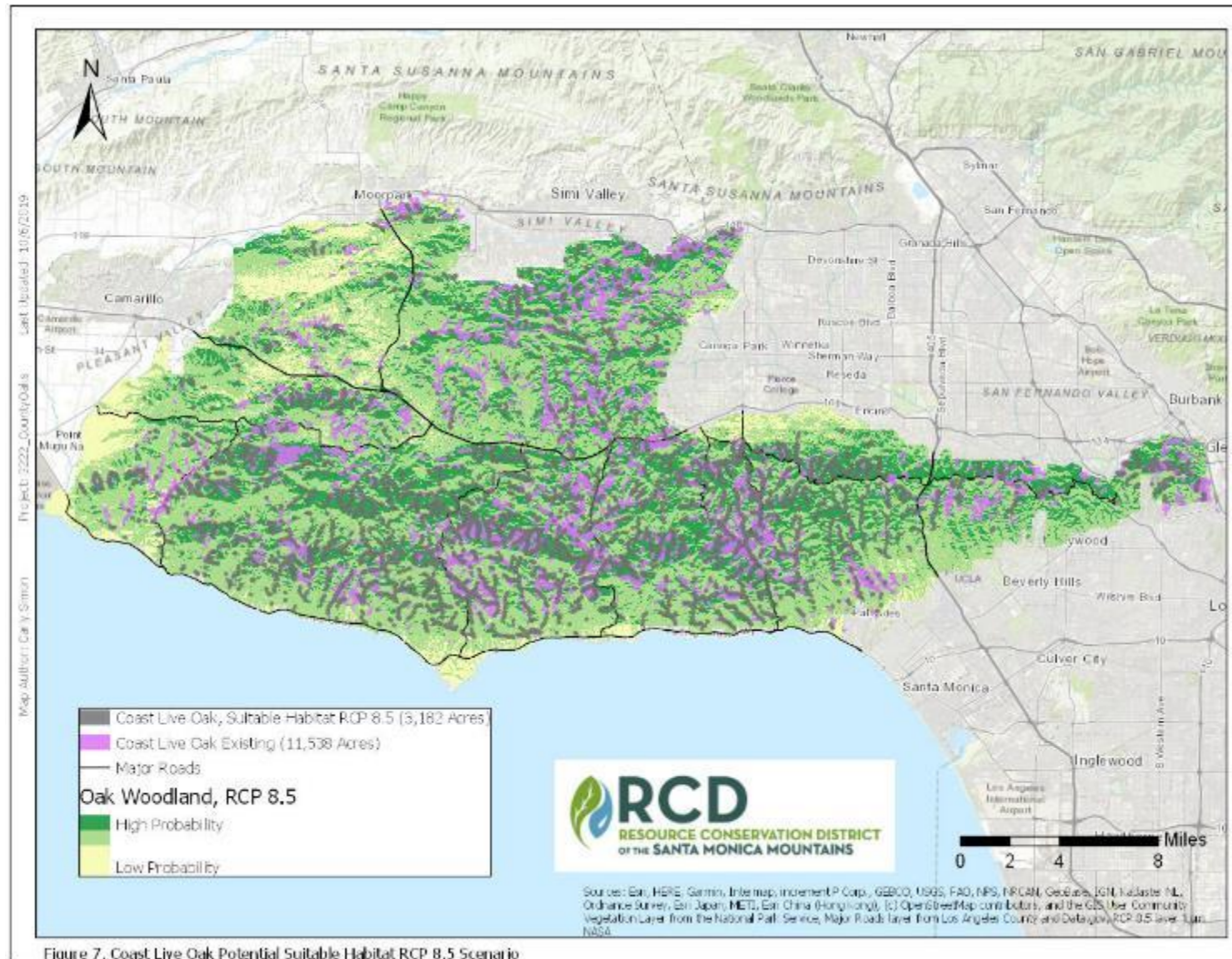
WHERE SHOULD WE PLANT?

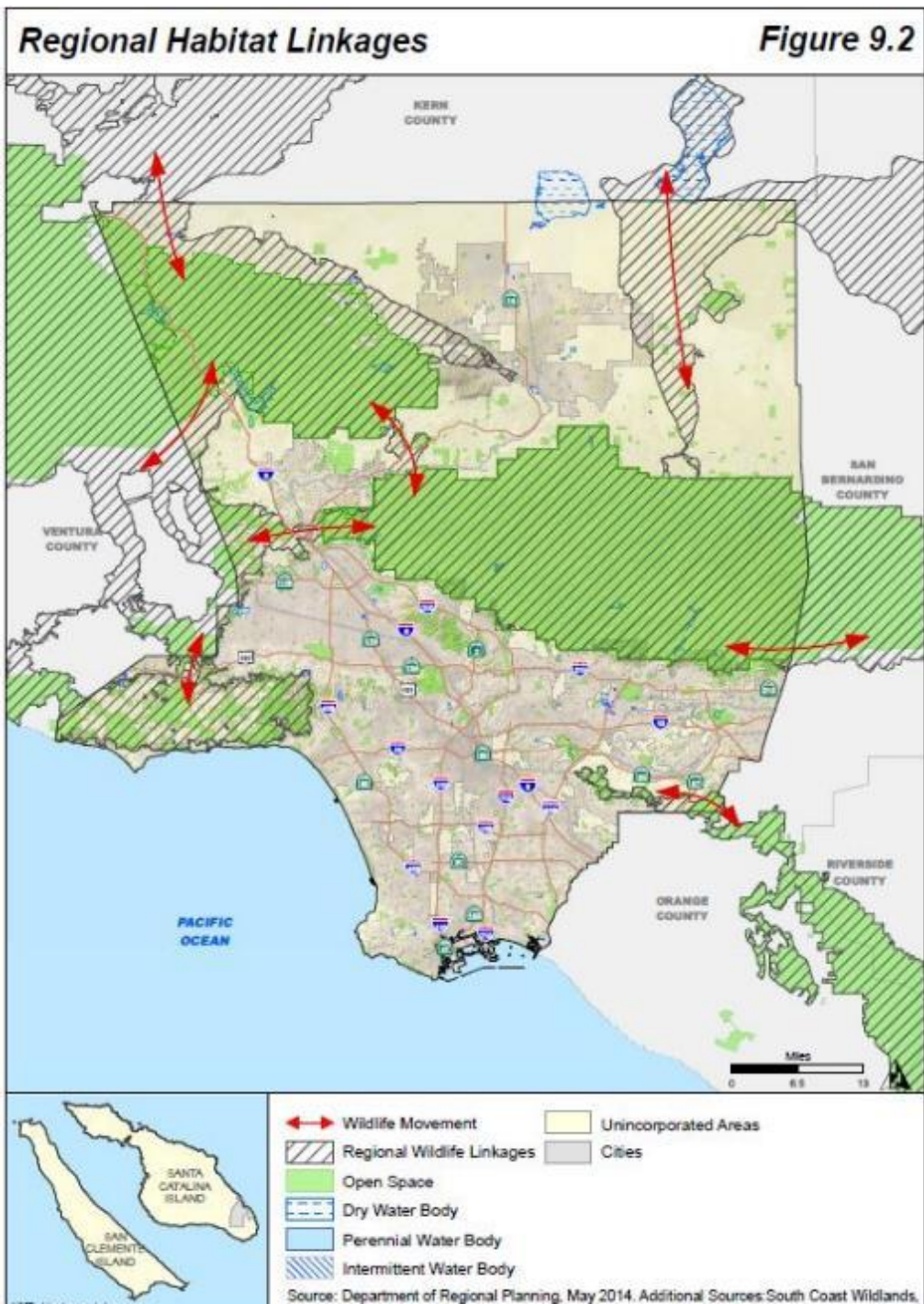
- Current distribution based on establishment conditions from up to 100 years ago!
- How do we ensure that trees we plant survive 100 years into the future?
- What environmental constraints should we be using to guide our planting location selection?
- How might assisted migration be safely implemented?

More Considerations.....

- **Prioritize sites:**
 - that have been impacted by disturbance (ex: fire, pests, drought)
 - that have been identified in other models as no longer suitable to the existing vegetation type
 - based on connectivity
 - identify sites that are more buffered against disturbance
- **Treatments mimic, assist or enable ongoing adaptive processes:**
 - seed dispersal and migration
 - changes in species dominance and community composition
 - changing disturbance regimes.
 - Encourage gradual adaptation and transition; mimic succession

COAST LIVE OAK





Support restoration of
Wildlife linkages

THINK BIG!



Wildfire recovery and safety planting

- Restore areas burned in the Woolsey Fire (2018), Palisades and Eaton Fires (2025)
- Identify areas where planting could reduce ember transfer
- Replace flammable trees with less flammable natives along the wildland/urban interface

How you can help!



Plant for the Future!



Adopt an Oak



Early Detection Visual Surveys



- Help us be eyes on the ground, report problems!

For more information:

www.pshb.org

www.gsob.org

<http://ucanr.edu/sites/socaloakpests/>



FIREWOOD SPREADS PESTS



- Know where your firewood comes from
- Keep it local
- Educate others

Working together

- Local Native Plant Society Chapters
- Firewise Landscaping groups
- Master Gardener groups
- National, State and Regional Park agencies
- NGO's
- Global Conservation Consortium for Oak
led by Morton Arboretum





People create landscapes that reflect their morality, humanity and culture,
and these landscapes then in turn, determine our fate.

Sam Broder 1991

Growing HOPE





QUESTIONS?
Contact rdagit@rcdsmm.org

Mark Herwick, AICP
Supervising Planner

The Planning Perspective

- Guiding development with multiple objectives and viewpoints to consider and reconcile.
- Natural processes: ecological services, mitigation of climate change, wildlife-urban interface, weather and storms.
- Social forces: community character and history, cultural and aesthetic values, acceleration of climate change, and politics.
- Balance between societal development needs and the benefits provided by the natural environment.
- Living among oaks rather than at odds with oaks.

Discussion and Q&A

Submit your questions in the Chat or Q&A box.

Closing remarks

CM credit instructions

Log your CM here:

<https://www.planning.org/events/eventsingle/9315051/>

Links will be emailed to all participants.

Thank you!