



# UFMG TREES

**Fall & Winter 2023-24**

\*Urban Forest Management Grant

# Taking action to address the urgent climate crisis

ITEM 1

"The strongest weapon that we have for lowering temperatures are trees, and the best thing we can do for cities are green corridors that connect existing green areas.

We have to lead with trees to begin with, and then use technology and materials to figure out other ways of cooling spaces."

**Eleni Myrivili**

**Global Chief Heat Officer to UN Habitat**

# Taking action to support wildlife by planting native trees, especially oaks

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"We need to include Oaks [in our landscapes] because they are the best tree genus in North America for supporting the food web that supports birds, the insects they eat, and thousands of other species.

They also capture more carbon than other trees and hold more rainwater on our properties than any other plants"

**Douglas Tallamy**

**Professor of Entomology and Wildlife Ecology, University of Delaware**

**Author of The Nature of Oaks: The Rich Ecology of Our Most Essential Native Trees**

# Working together to achieve success!

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## Coordinating with the City of Petaluma, ReLeaf has:

- Planted 748 trees which will provide temperature reducing shade, sink carbon, protect water quality, filter pollutants, and create habitat for native wildlife.
- With the City's participation, secured to date nearly \$400,000 in grants to support the planting of trees.
  - This includes the CAL FIRE UFMG to support this project.
- Dedicated 5,668 hours of time from ReLeaf volunteers and Petaluma community members to plant and care for these trees.
- Employed ten Teen Tree Corps interns for 8 days of learning urban forestry.

# Introducing the Plan for UFMG Trees

Proposed Parks	Planting Dates	Trees to be Planted
Arroyo Park	Nov 4	26 trees
Kenilworth Teen Center	Nov 4	2 trees
Wiseman Park	Nov 4	20 trees
Miwok Park	Nov 18	29 trees
Total		77 trees

# Funder - Cal Fire's Urban Forest Management Grant

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# Partners

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**PETALUMA PEOPLE  
SERVICES CENTER**

# Native Tree Species and Quantities

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California Buckeye	12
Cottonwood	16
Oaks (Valley)	13
Oaks (Coast Live and Interior Live)	14
Red Alder	15
Western Sycamore	7
<b>Total Trees</b>	<b>77</b>



## UFMG Trees - ReLeaf budget expenses:

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Personnel ( Contractors) Mgmt & Admin	\$5,000
Trees: 77 native trees, 15-gallon	\$8,400
Materials for planting, maintenance, portable toilets and sinks	\$ 3,707
Teen Tree Corps	\$ 2,000
Education and Outreach	\$ 5,032
<b>Total</b>	<b>\$ 24,139</b>

\*plus City covers auguring and irrigation

# Community Outreach

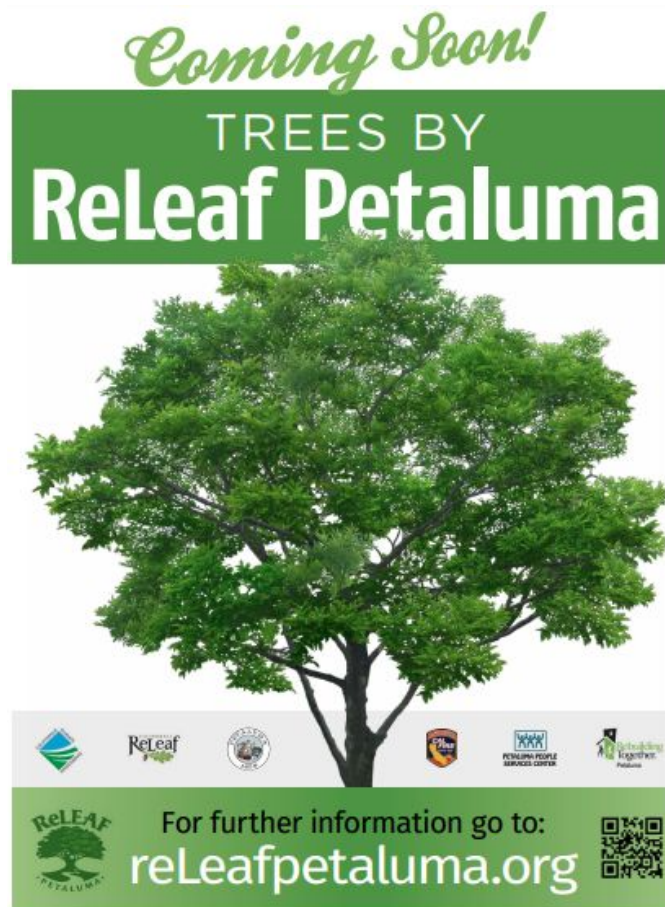
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- “Coming Soon” sandwich signs in Parks
- Weekend Tabling in each Park to engage Park users and show plans,
- Community Input Zoom on Sept 11, 6:30 PM, with slide presentation, Q&A, and discussion,
- Leafleting of homes immediately surrounding each Park,
- Flyers on bulletin boards at library, schools, and stores near Parks.



# ReLeaf Sandwich Board Signs for Each Park

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# Ex. of ReLeaf Interpretive Signs for Each Park

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GLENBROOK PARK - OCTOBER 2022 | 61 NEW NATIVE TREES PLANTED

## Planting Native Trees for Biodiversity


Biodiversity is essential for the systems that support life on Earth. It is all the different kinds of living organisms that exist in one area. ReLeaf Petaluma aims to increase the health of the ecosystem that we call Petaluma. We see a community in which biodiversity is admired and where trees are respected for the benefits they provide to all of the planet's life cycle.




**SIERRAN TREEFROG** *Pseudacris sierra*  
During the winter these vocal frogs are reliant on hibernating within the woody habitat of a forest floor. After hibernation they find water to lay their eggs and then immediately return to the safety of tree habitat. This species was previously known as the Pacific chorus frog.




**MONARCH BUTTERFLY** *Danaus plexippus*  
While overwintering these delicate flyers roost in trees. Even though milkweed serves as an exclusive host plant for monarch larvae, the nectar of a wide variety of forest understory and grassland plants provide crucial food sources for adult monarchs. Damp soil in the shade of trees provide monarchs with moisture and minerals as they migrate.




**WESTERN BLUEBIRD** *Sialia mexicana*  
Tree cavities serve as nesting sites for these active and colorful birds. Tree habitat also provides necessary perching locations while hunting for insects among the canopy and surrounding grasslands.




Blue Oak  
*Quercus douglasii*




Valley Oak  
*Quercus lobata*




Big-leaf maple  
*Acer macrophyllum*



Coast Live Oak  
*Quercus agrifolia*



Western Sycamore  
*Platanus racemosa*



California Buckeye  
*Aesculus californica*



People of all ages can engage in tree planting, and through this activity, build a strong connection with nature and with their community.







Funding for this California Climate Investments Grant Project has been provided through California ReLeaf from the Greenhouse Gas Reduction Fund administered by the California Department of Forestry and Fire Protection (CAL FIRE) Urban and Community Forestry Program.



# Placement Map - Arroyo Park

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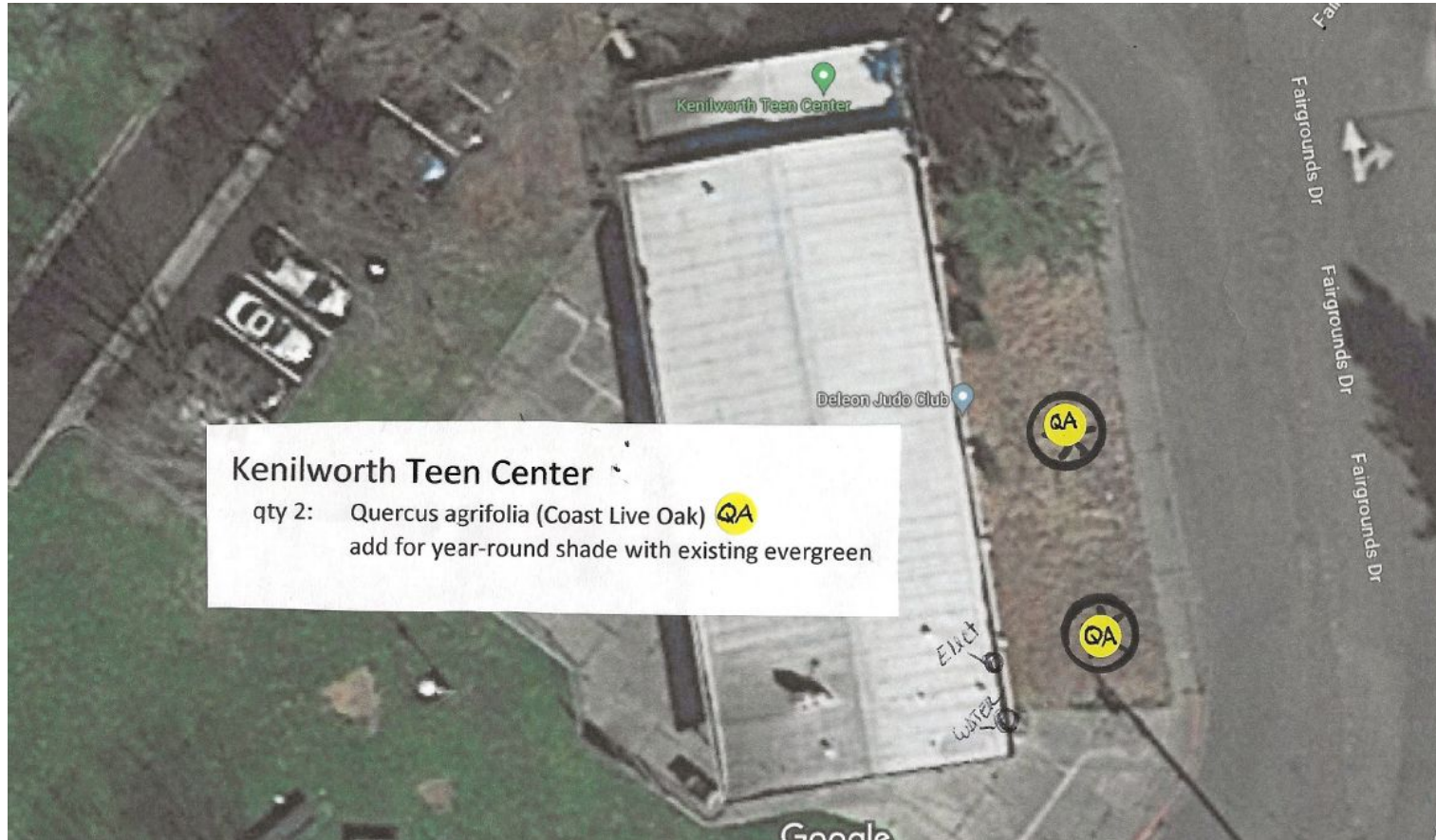
**ARROYO PARK - 1824 VILLAGE E. DR.**

qty	code	botanical name	common name
5		<i>Aeculus californica</i>	buckeye
6		<i>Populus Fremont</i>	cottonwood
3		<i>Quercus agrifolia</i>	coast live oak
12		<i>Quercus lobata</i>	valley oak



# Placement Map - Kenilworth Teen Center

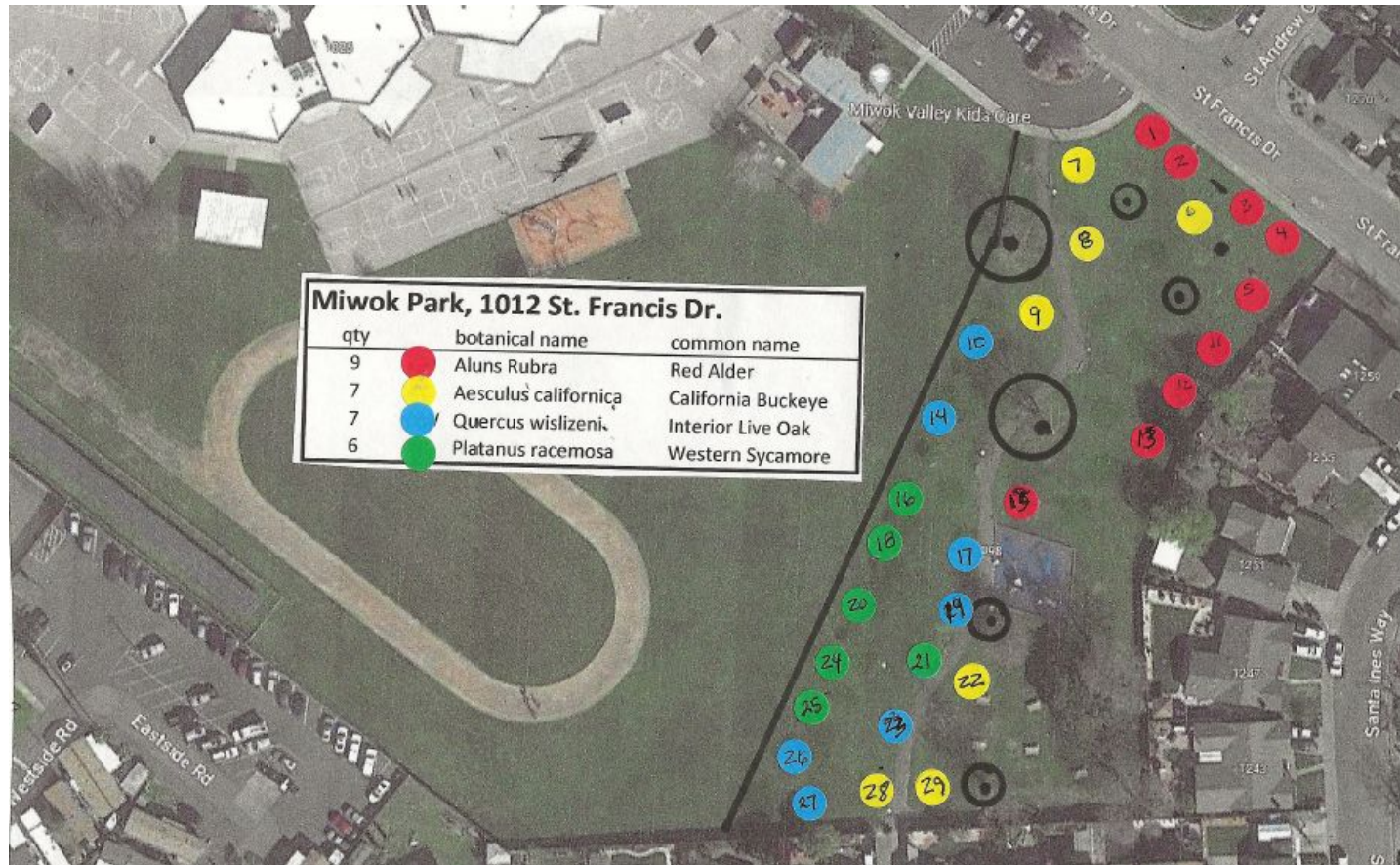
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# Placement Map - Miwok Park

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# Placement Map - Wiseman Park

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# Thank You!

We look forward to working together again to make Petaluma a “COOL” hometown in every sense of the word.

See you at the Parks,  
November 4th and 18th!



**ReLeaf Petaluma**

