

# SONOMA ECOLOGY CENTER

Helping our community to care for  
this beautiful place... since 1990

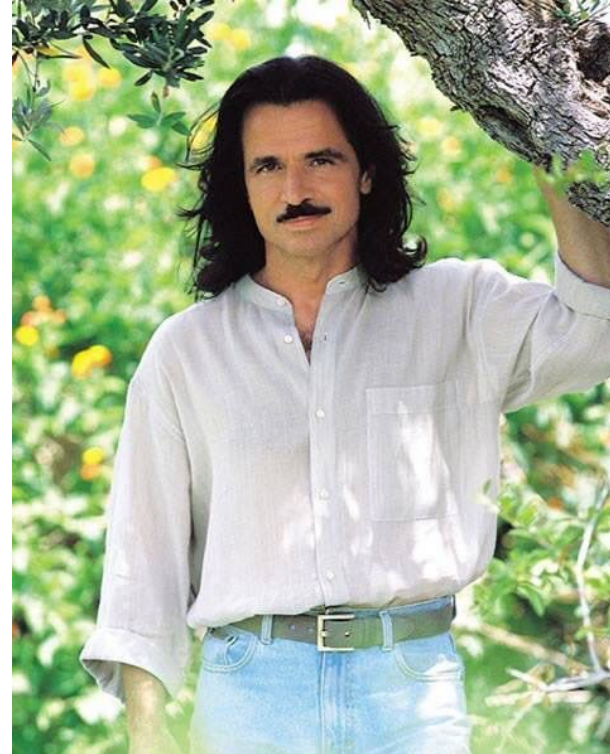
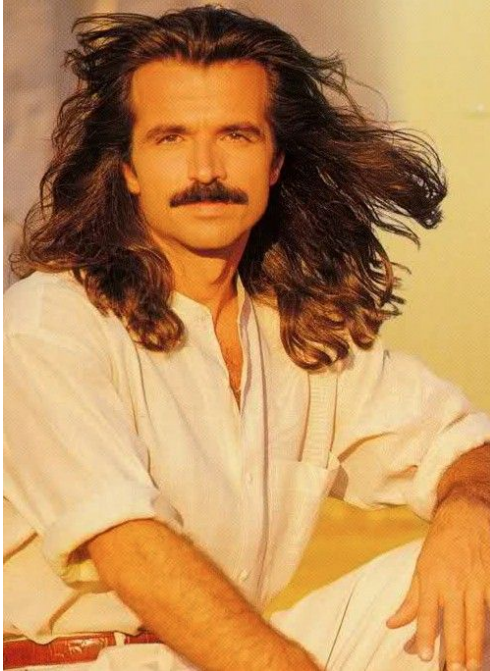


SONOMA  
ECOLOGY  
CENTER

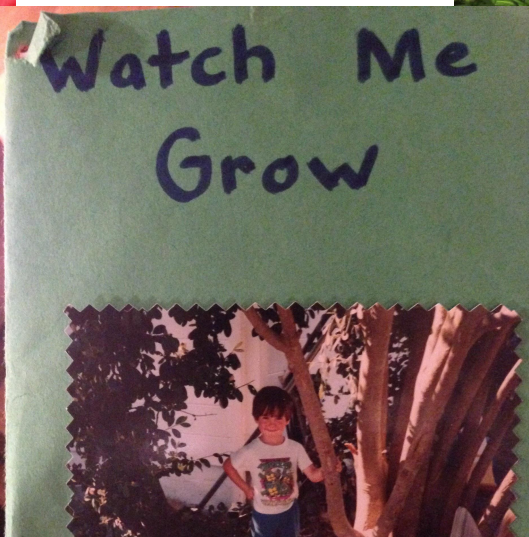


# About Me

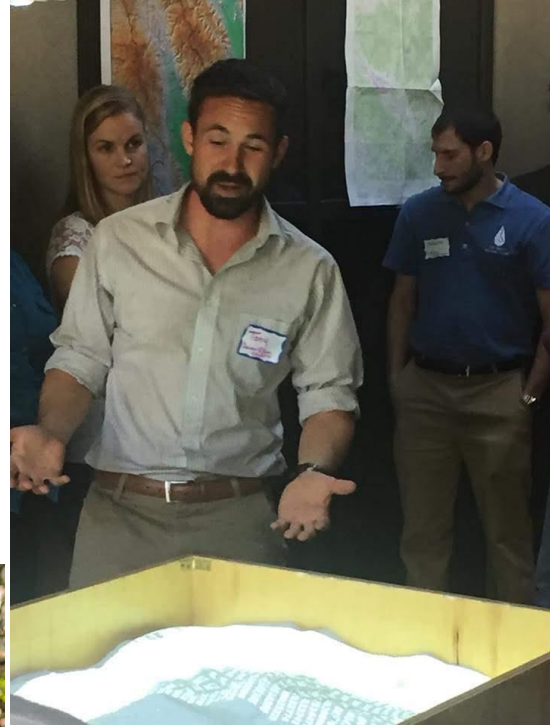
## Tony Passantino, Education Program Manager













# Our Mission

**We work with our community  
to identify and lead actions that  
achieve and sustain ecological  
health in Sonoma Valley**





# Our Work

We care for our  
community's foundations:

Land

Air

Water

Biodiversity





# Who we are:

Community members with expertise in  
Science, Resource Management, Education,  
Planning, Construction, Policy, Business





# Our Values

- Support biodiversity
- Use the best available science
- Share what we've learned
- Encourage stewardship
- Foster collaboration
- Lead by example

# Some of our accomplishments

Over 15,000 K-12 students served from every school

Over 5000 acres and 8 local parks established or protected

Over 20 stream miles opened up or restored for native fish

Over 10 tons of produce grown for families and charities

Over 20 million dollars in grants, and 90,000 volunteer hours to enhance Sonoma Valley's environment



# Half Wild

A large, dark tree silhouette against a bright, hazy sky with the sun visible through the branches. The tree is the central focus, with its dense foliage creating a dark mass against the lighter background. The sun is positioned behind the tree, creating a lens flare effect. The sky is a pale, hazy blue, and the ground in the foreground is dark and indistinct.

Preserve Sonoma Valley biodiversity by protecting at least 50% of the land as healthy habitat, through purchase, easement, and agreement

# Carbon Negative



Reverse net greenhouse gas emissions in Sonoma Valley from transportation, housing, business, wildlands, and agriculture

A photograph of a narrow, clear stream flowing through a dense forest. The water is shallow and reflects the surrounding greenery. The banks are lined with tall, feathery grasses and large, smooth rocks. Sunlight filters through the trees, creating dappled light on the water and foliage.

# Water Wise

Slow and hold water in the wet season, to reverse groundwater decline and have quality water available for people and streams in the dry season

# Thriving Land

A wide-angle landscape photograph of a valley. The foreground is a grassy hillside with scattered trees. The middle ground is dominated by a dense forest of green trees. In the background, rolling hills and a small town are visible under a sky with scattered white clouds.

Ensure that most of Sonoma Valley's land is managed for multiple benefits, including: biodiversity, water retention, reduced fire risk, carbon sequestration

# Community Leadership



Sonoma Valley communities achieve environmental health, social equity, and shared prosperity





# Our Setting



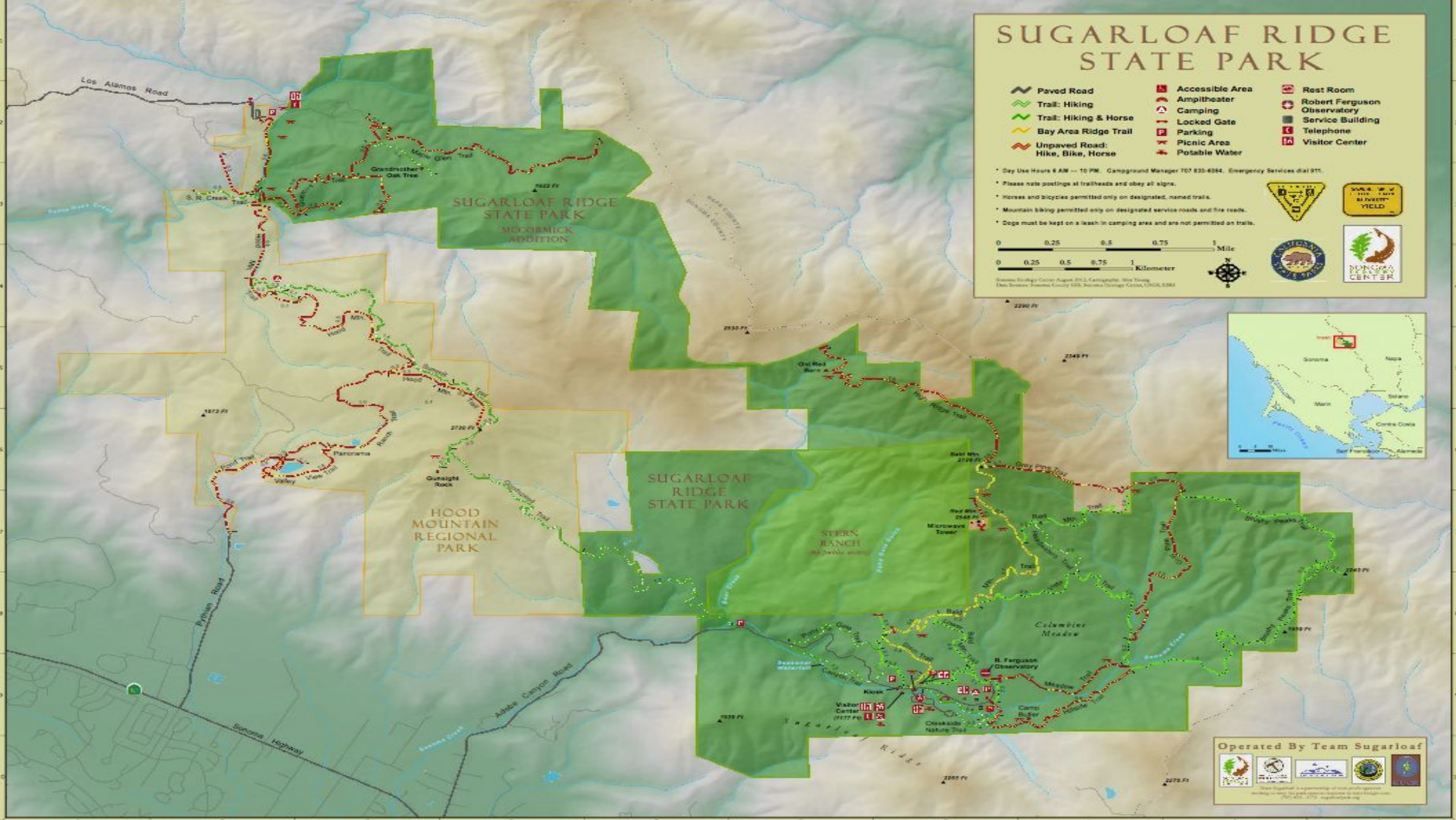
# SUGARLOAF RIDGE STATE PARK

- |                                 |                 |                             |
|---------------------------------|-----------------|-----------------------------|
| Paved Road                      | Accessible Area | Rest Room                   |
| Trail: Hiking                   | Amphitheater    | Robert Ferguson Observatory |
| Trail: Hiking & Horse           | Camping         | Service Building            |
| Bay Area Ridge Trail            | Locked Gate     | Telephone                   |
| Unpaved Road: Hike, Bike, Horse | Parking         | Visitor Center              |
|                                 | Picnic Area     |                             |
|                                 | Potable Water   |                             |

- Day Use Hours 8 AM – 10 PM. Campground Manager 707-830-8984. Emergency Services dial 911.
- Please note postings at trailheads and obey all signs.
- Horses and bicycles permitted only on designated, named trails.
- Mountain biking permitted only on designated service roads and fire roads.
- Dogs must be kept on a leash in camping area and are not permitted on trails.



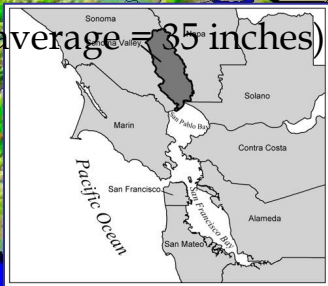
Operated By Team Sugarloaf



## Geographic Statistics:

- basin area = 166 mi<sup>2</sup> (106,486 acres)
- peak elevation = 2,730 feet
- length = 25 mi north/south
- width = 5 to 9.8 mi east/west
- geologically active:
  - active faults, recent volcanism
  - diverse soils, slopes, aspects
- precipitation between 55 and 20 in

(average = 85 inches)



# Sonoma Creek Watershed

Napa

Sonoma

Petaluma

San Pablo  
Bay

Vallejo





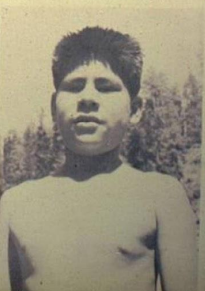
1. Bobaga Niwot. wa



2. Bobaga Niwot. wa

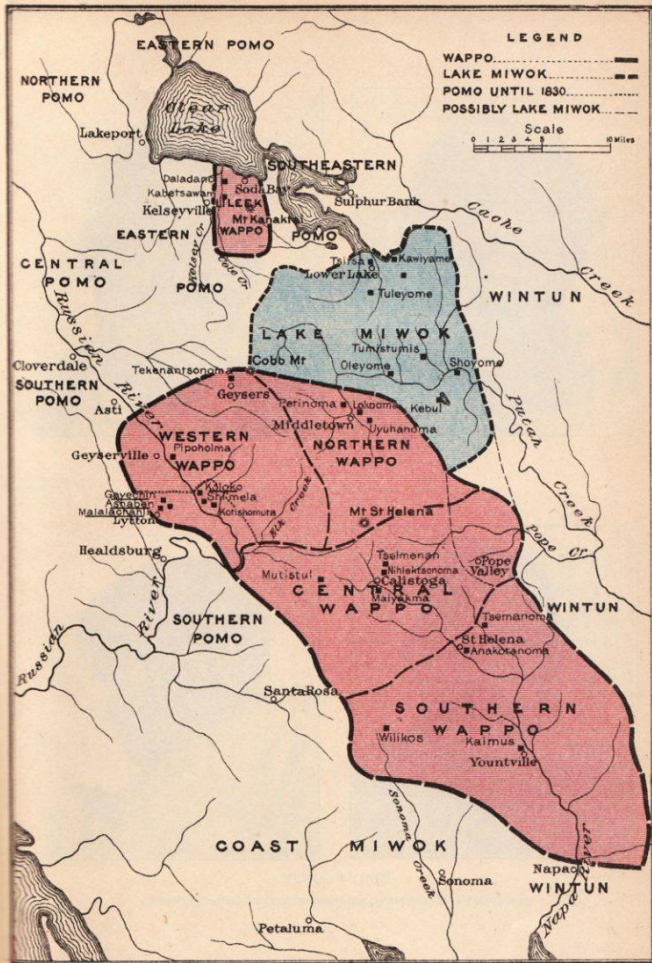


3. Akemata (Alice) Uqapoo. wa



4. Fort Ross Pomo. wa





Onasatis (Wappo)-

“the outspoken people”

- 10,000-12,000 years ago
- Language related to the “Yuki” Nation

Named for the Americanized version of the Spanish word guapo in reference to their brave resistance against the Mexican conquest



By 1855, fewer than 500 Wappo remained

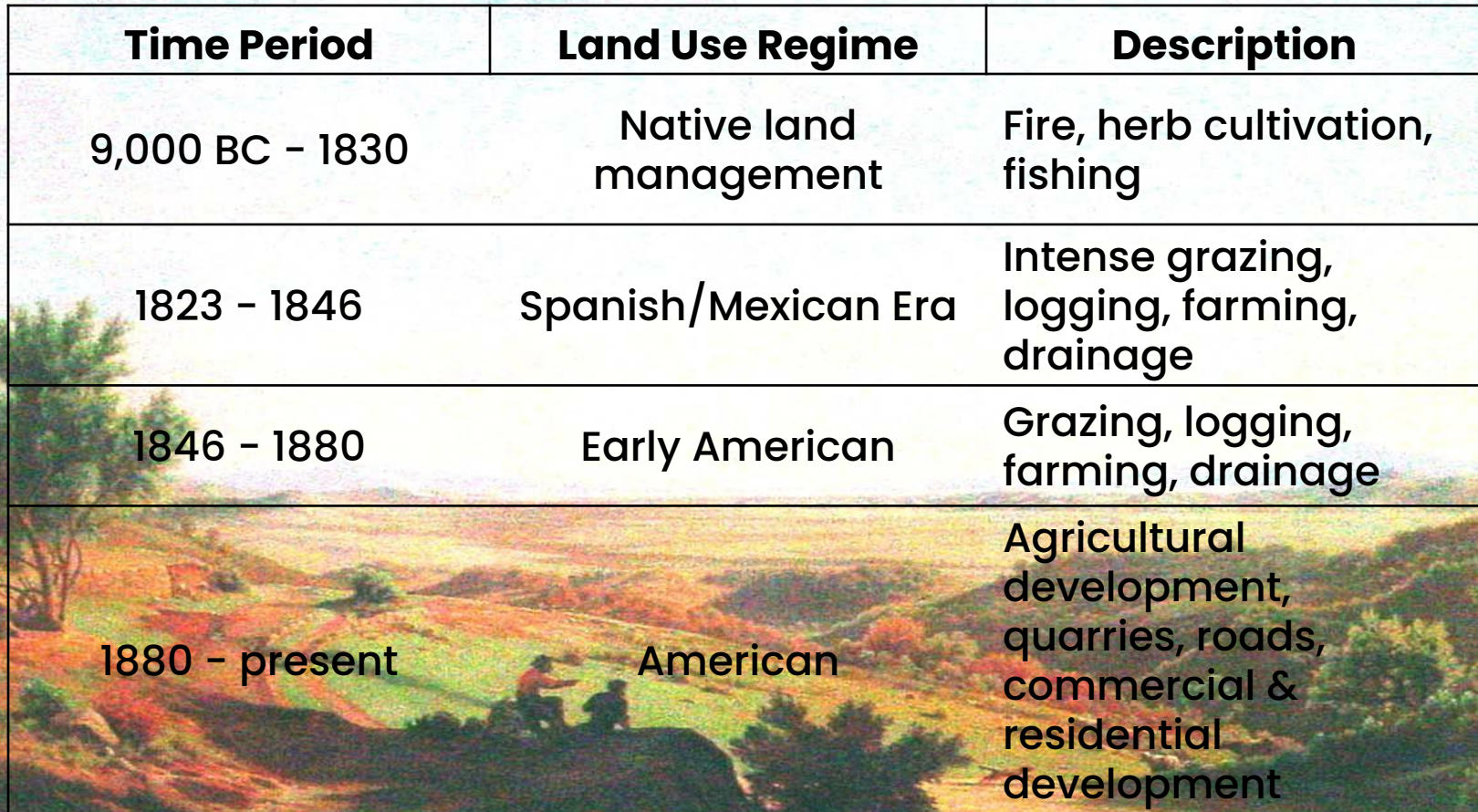
According to UC Santa Barbara researchers, the last known Wappo speaker died 16 years ago

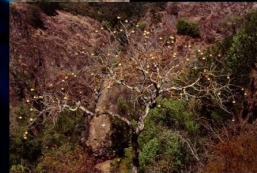
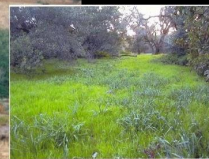




# Historical Ecology: Land Use Timeline

Time Period	Land Use Regime	Description
9,000 BC - 1830	Native land management	Fire, herb cultivation, fishing
1823 - 1846	Spanish/Mexican Era	Intense grazing, logging, farming, drainage
1846 - 1880	Early American	Grazing, logging, farming, drainage
1880 - present	American	Agricultural development, quarries, roads, commercial & residential development







# Land Use

**Area = 106,486 acres (166.4 mi<sup>2</sup>)**

**20,858 Parcels**

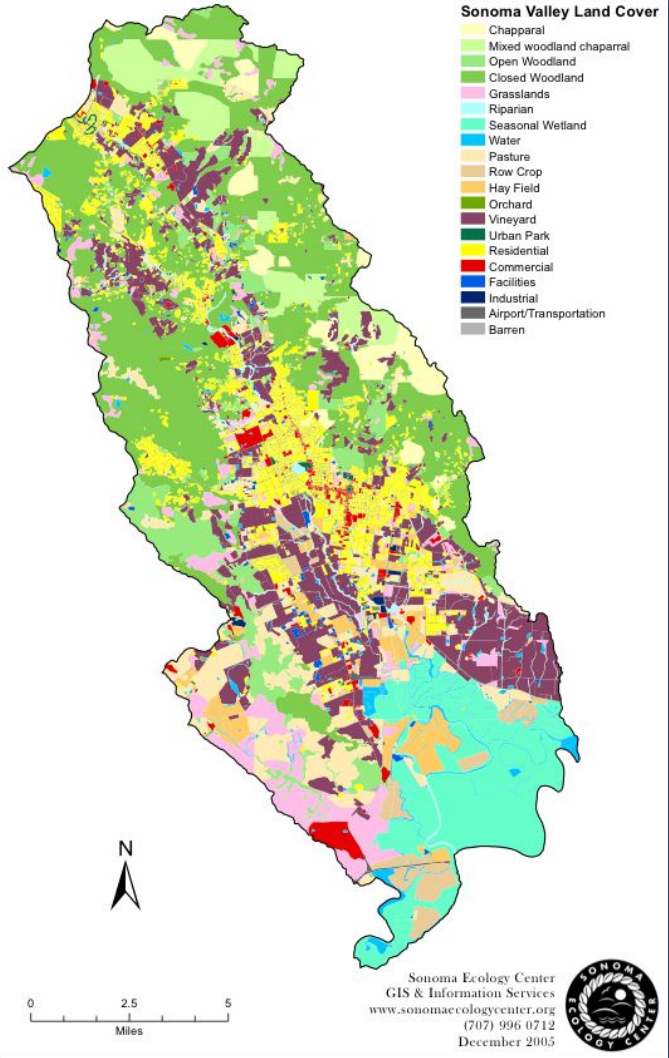
Total Urban ..... 17,001 acres (16%)  
& Hardscape

Total Agriculture ..... 29,817 acres (28%)  
Vineyard ..... 15,678 acres (15%)  
Other ag ..... 14,139 acres (13%)

Total Natural Cover ... 59,396 acres (56%)

Total Protected area ... 16,687 acres (16%)  
including ag.

*Data source: USGS, Sonoma County 2000, 2004-5 aerial photos  
Cartography SEC GIS Program, 2005, 2006*





est. 1995

# QUETZALTREKKERS

HIKE VOLCANOES. HELP KIDS.



# HIKE

# HALF DOME

## AND HELP FIGHT HUNGER

3 DAY ADVENTURE!

**JUNE 5-7 2021**

MEET YOUR  
GUIDE!



**TONY PASSANTINO**

**Volunteer Lead Guide & Education Program  
Manager for Sonoma Ecology Center**

*Tony is a wilderness first responder and local instructor for the California Naturalist Program. He is also a wilderness guide for Bay Area Wilderness Training and a board member of EWH Foundation.*

### HELP FUNDRAISE

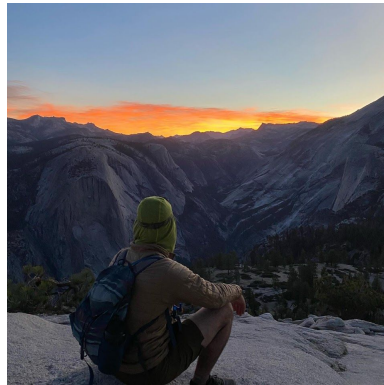
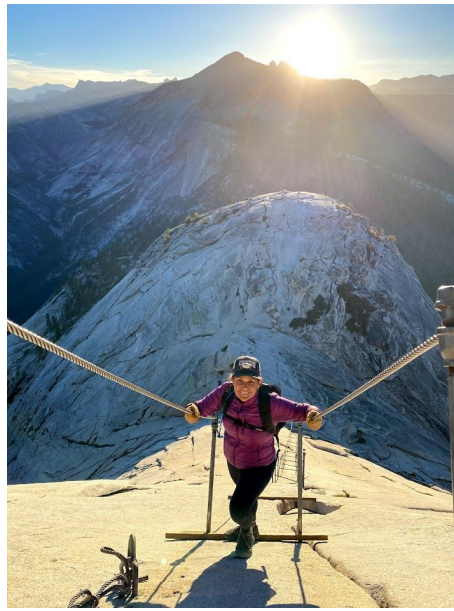
\$1999 per person  
includes:

- Food
- Accommodations
- Half Dome Permit
- Guide
- Equipment

SIGN UP AT

**[www.ENDWORLDHUNGERFOUNDATION.org](http://www.ENDWORLDHUNGERFOUNDATION.org)**

100% of the fundraising will go to the Larson Park Community Garden to support community health and food security





# \$10,000 Raised for Larson Community Garden!



# Mt Whitney 6-Day Trek this weekend!



# It takes a community

























