

# Overview

2': Who is this dude?

8': The Pitch

5': ??



# ABCD

All Biased, Connected, Diverse







## California Oak Vegetation Types

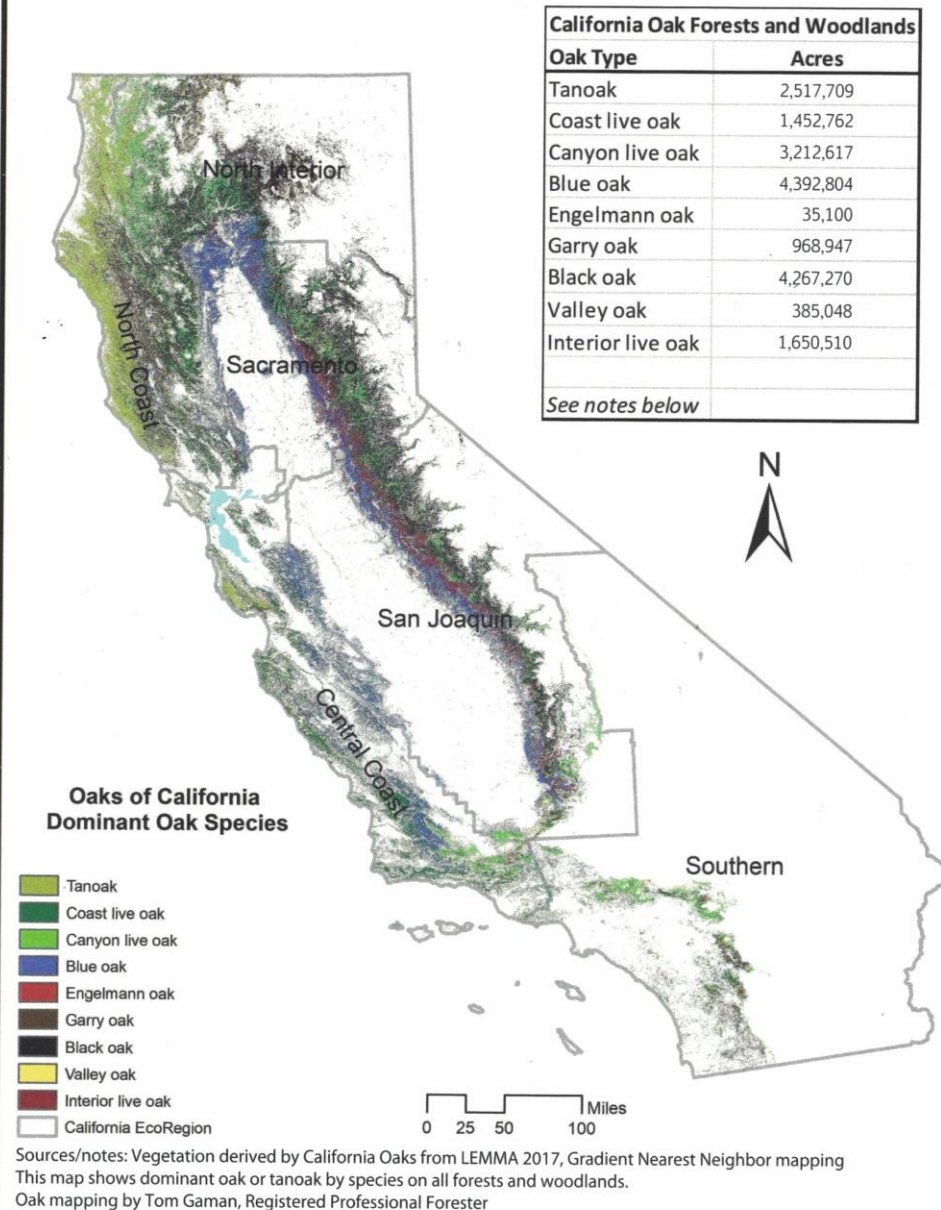


Figure 2: California oak woodlands and oak-forested lands



**Table 1: California oak woodland and forest types by plurality species**

<b>Oak plurality species</b>	<b>Woodland</b>	<b>Forest</b>	<b>Total woodland and forest</b>
Tanoak	958,509	1,559,200	2,517,709
Coast live oak	1,386,355	66,407	1,452,762
Canyon live oak	1,898,782	1,313,835	3,212,617
Blue oak	4,166,556	226,248	4,392,804
Engelmann oak	35,100	0	35,100
Garry oak	682,624	286,322	968,947
Black oak	1,464,909	2,802,362	4,267,270
Valley oak	352,666	32,382	385,048
Interior live oak	1,376,346	274,163	1,650,510
<b>Total acres</b>	<b>12,321,847</b>	<b>6,560,919</b>	<b>18,882,767</b>



# Who cares?

These oak woodlands have the highest terrestrial species diversity in California. Over 350 species of vertebrates.

- What happens in Oak Lands does NOT stay there:
- Hydrology, Carbon, Soils, Wildlife, Viewshed, Recreation
- Non-federally owned Oak Lands are ~80% private property.
- Virtually all graze cattle.







# Who cares?

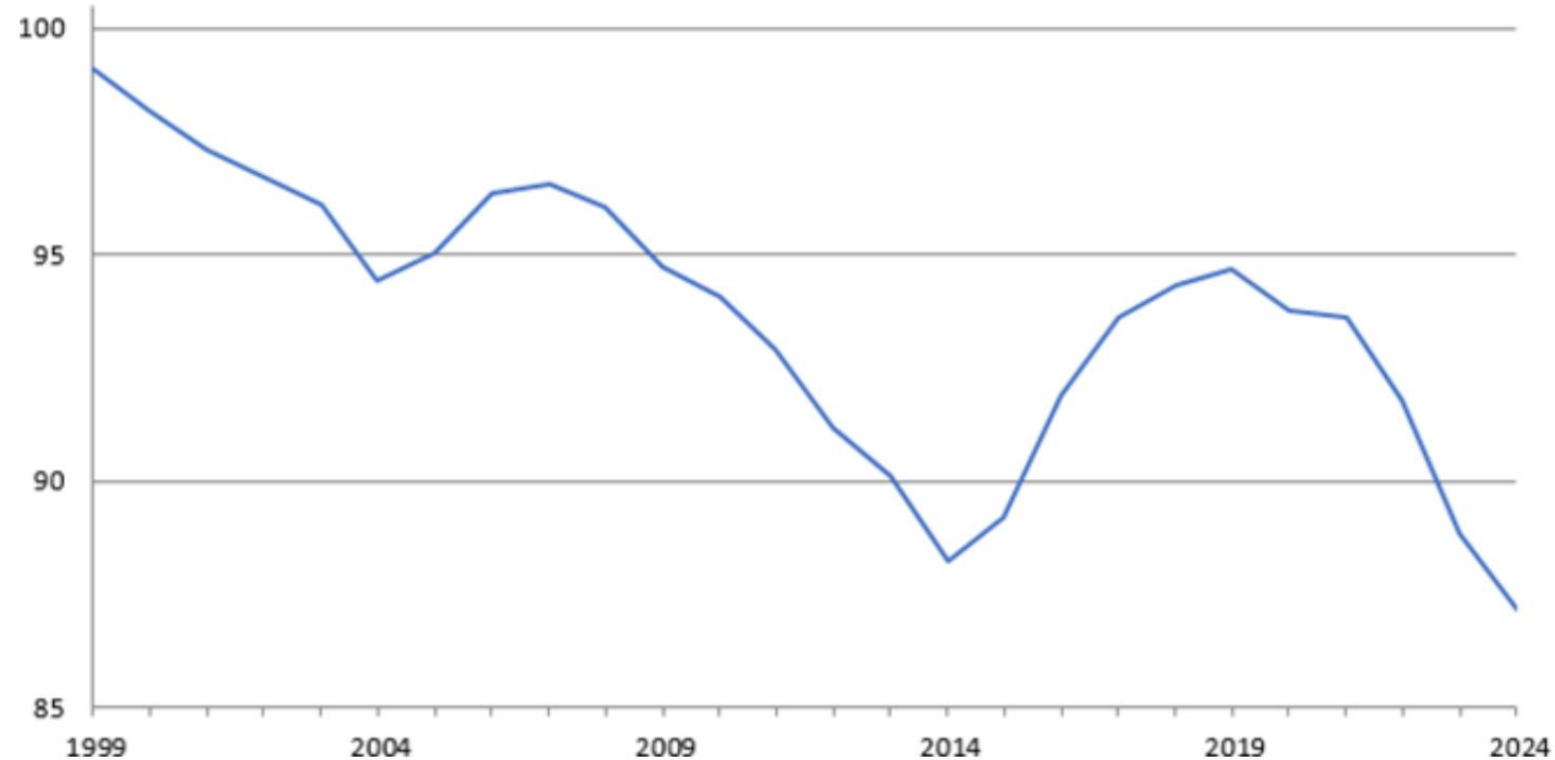
50% of ranchers break even or lose money each year.



Service (NASS).

## All Cattle and Calves Inventory – United States: January 1

Million head



Other key findings in the report were:

- Of the 87.2 million head inventory, all cows and heifers that have calved totaled 37.6 million.
- There are 28.2 million beef cows in the United States as of Jan. 1, 2024, down 2% from last year.
- The number of milk cows in the United States decreased slightly to 9.36 million.
- U.S. calf crop was estimated at 33.6 million head, down 2% from 2022.
- All cattle on feed were at 14.4 million head, up 2% from 2023.



In 2024, California's nominal GDP reached \$4.1 trillion, placing California behind only the United States, China, and Germany in global rankings. According to the IMF's 2024 World Economic Outlook and BEA (Bureau of Economic Analysis) data,

In 2024, California's farms and ranches received \$61.2 billion in cash receipts for their output.

2024, CA Cattle and Calves= \$5 billion

$61,000,000,000 / 4,000,000,000,000 = .015 = 1.5\%$  of CA GDP in 2024 came from all ag.

$5,000,000,000 / 4,000,000,000,000 = .00125 = .1\%$  of CA GDP in 2024 came from cattle and calves.



**FRED** — Value Added by Industry: Agriculture, Forestry, Fishing, and Hunting as a Percentage of GDP



Source: U.S. Bureau of Economic Analysis via FRED®  
Shaded areas indicate U.S. recessions.







**THE END**