

# Hydrological Conditions

Water Year  
2023 & 2024

# Water Year

**October 1** —●—●—●—●—●—●—●—●—●—●— **September 30**

The term "water year" is defined as the 12-month period October 1, for any given year through September 30, of the following year. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months.

A map of Calaveras County, California, showing its watersheds. The map is divided into several colored regions: Mokelumne (dark purple), Stanislaus (dark blue), Calaveras (dark green), Eastern San Joaquin Subbasin (tan), and Calaveras County (light blue). The Mokelumne watershed is at the top, followed by Stanislaus to the east and Calaveras in the center. The Eastern San Joaquin Subbasin is on the western side, and the Calaveras County watershed is at the bottom right. The map also shows some topographic features like rivers and mountains.

Mokelumne

Stanislaus

Calaveras

Eastern  
San Joaquin  
Subbasin

Calaveras County  
**WATERSHEDS**

West Point

Mokelumne

Wallace

Groundwater

Jenny Lind

Calaveras

Ebbetts Pass

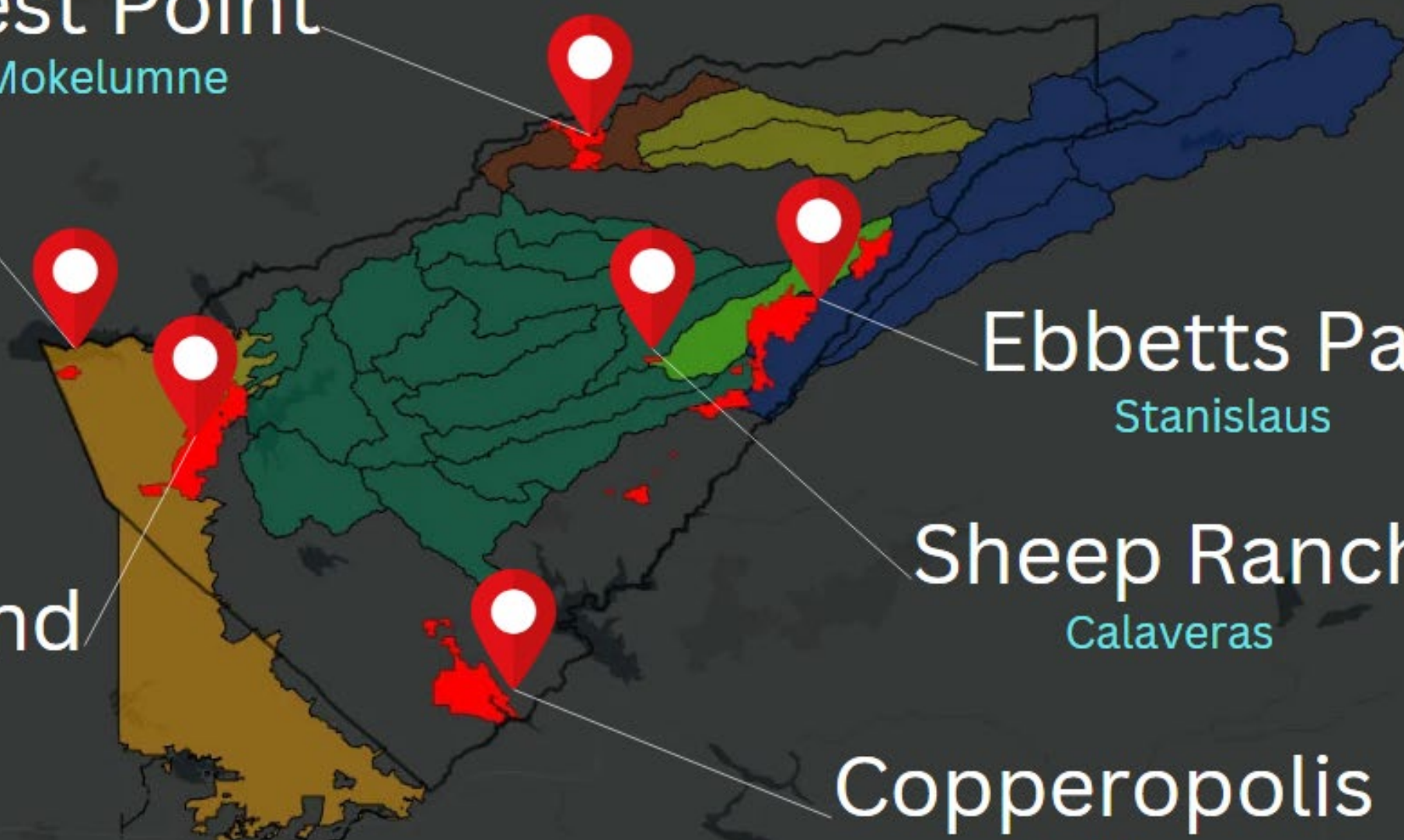
Stanislaus

Sheep Ranch

Calaveras

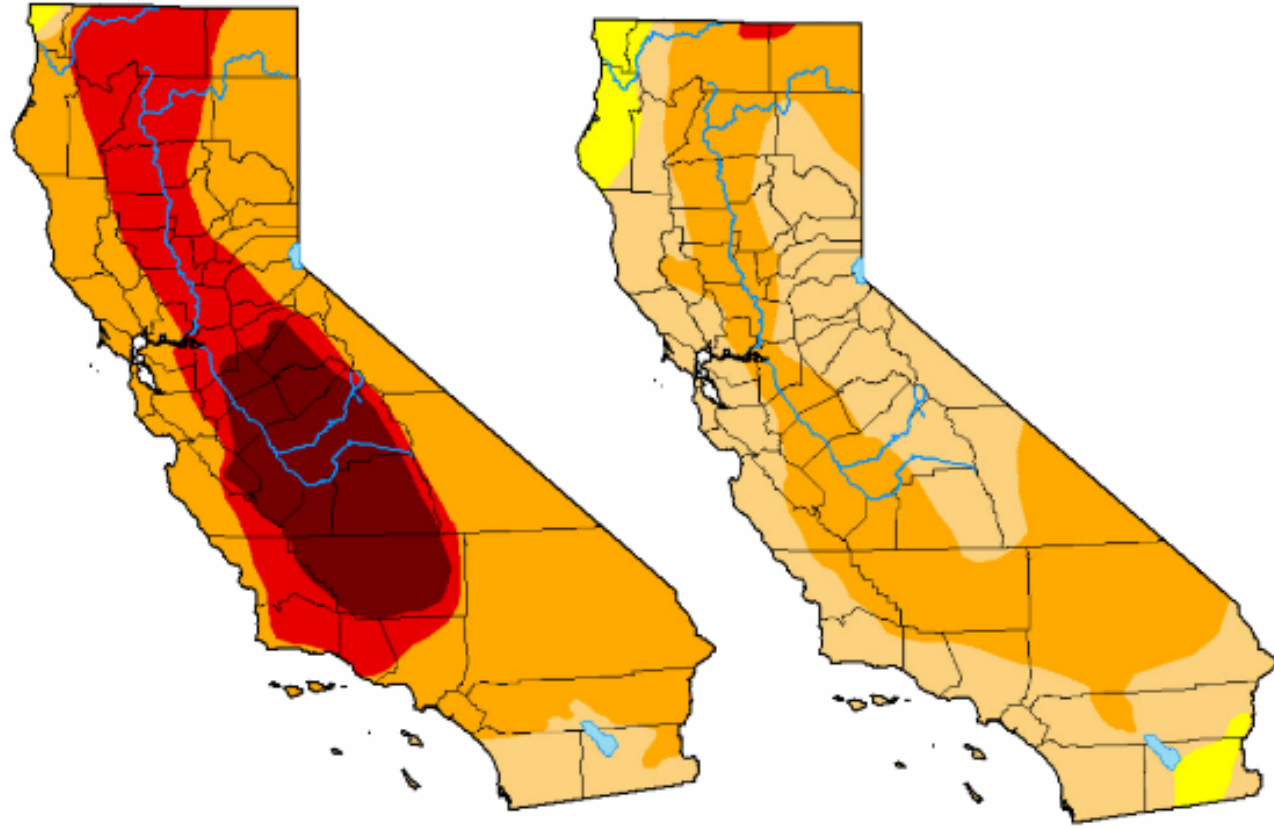
Copperopolis

Stanislaus



**October 1  
2022**

**January 10  
2023**

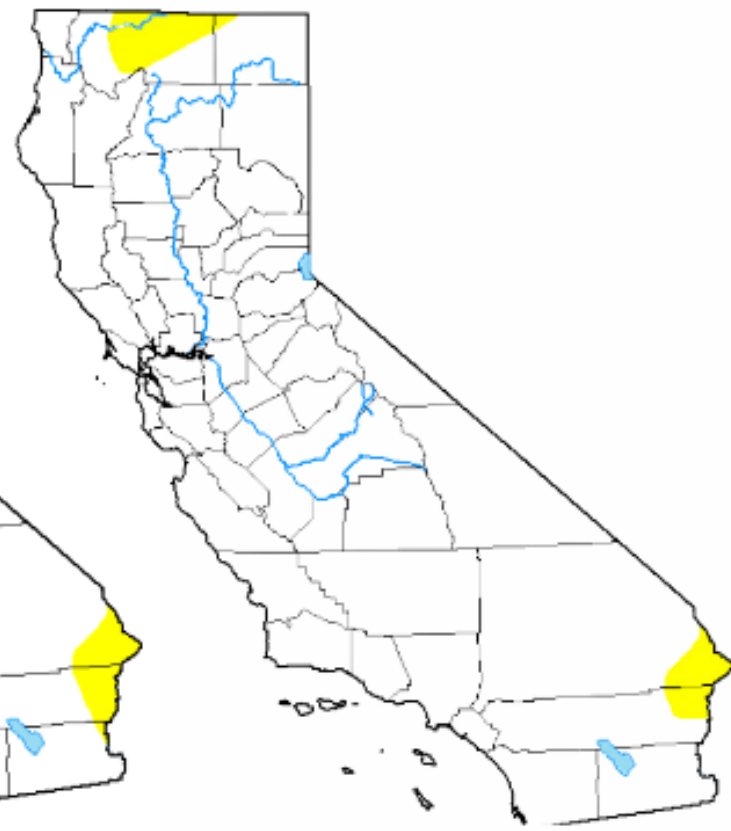
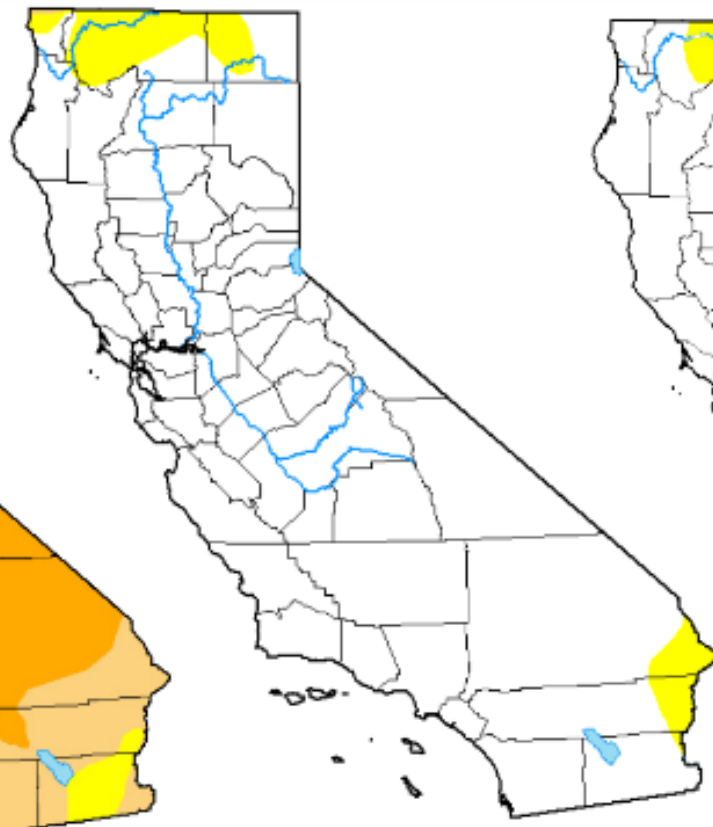
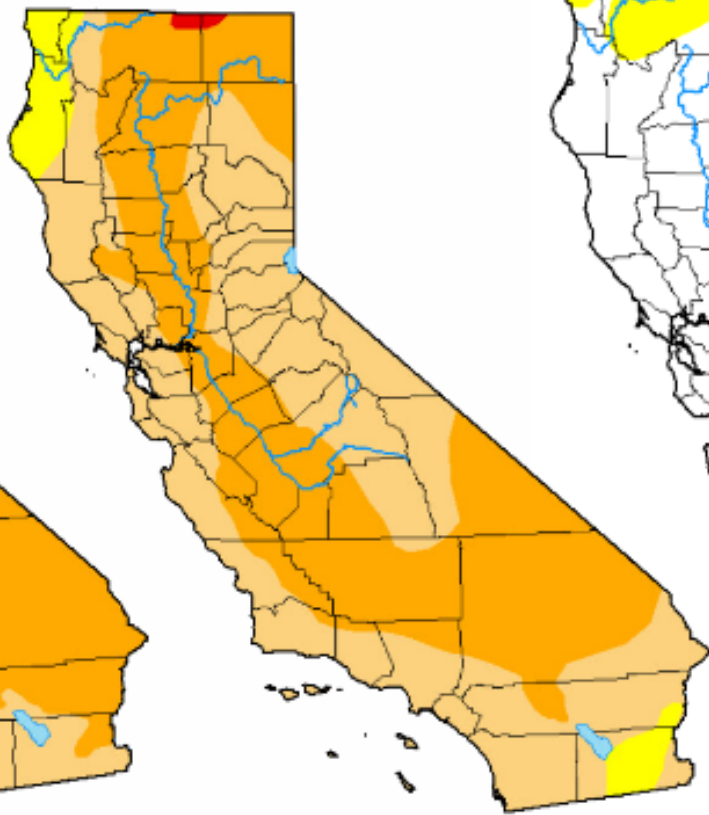
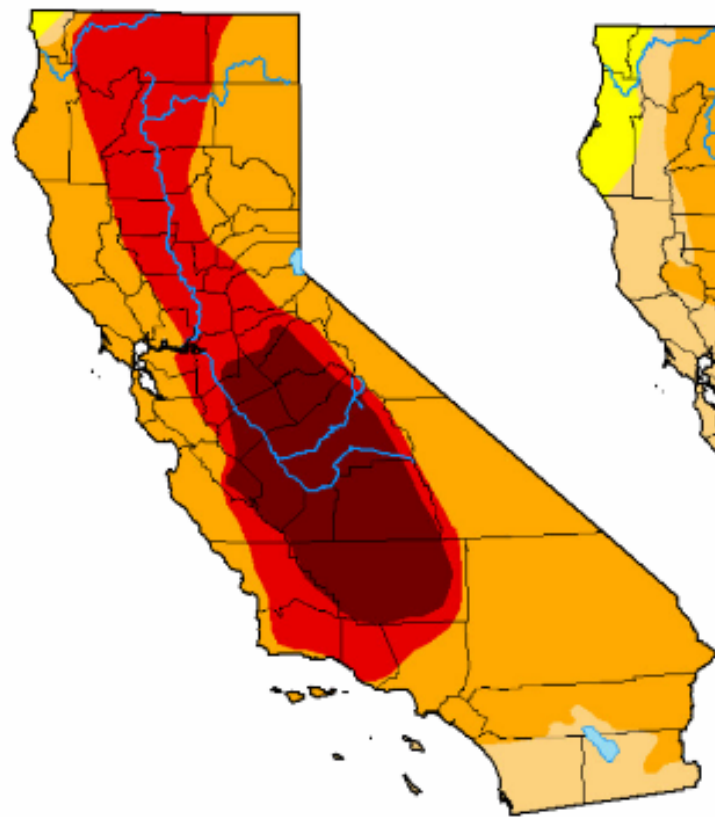


**October 1  
2022**

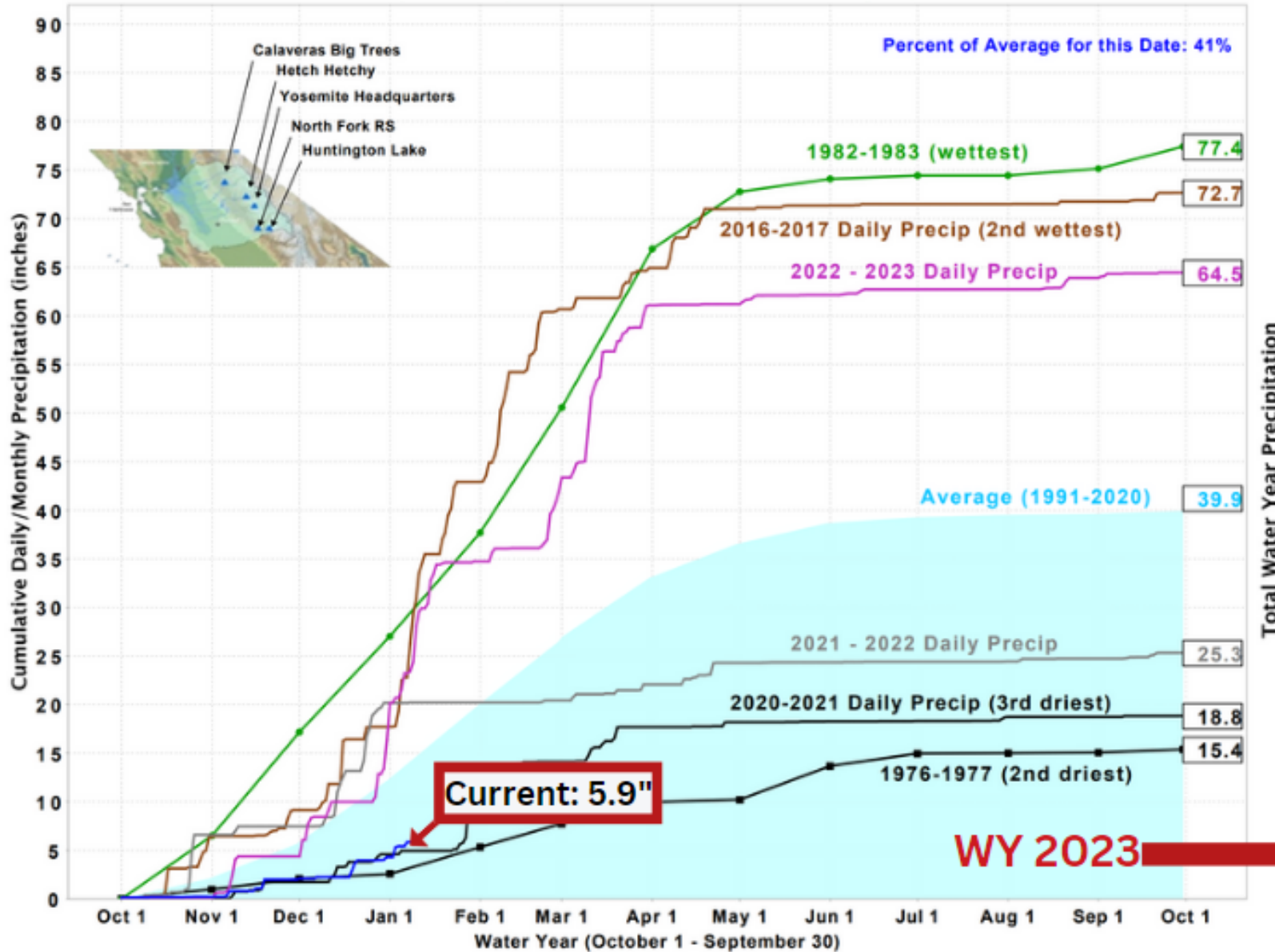
**January 10  
2023**

**October 1  
2023**

**January 10  
2024**



### San Joaquin Precipitation: 5-Station Index, January 09, 2024



### San Joaquin 5-Station Precipitation (inches)

Water Year 2024

Tuesday, January 09, 2024

Month	Average (Inches)	Observed (Inches)	Observed (as Percent of Avg)
October-2023	2.1"	0.2"	9%
November-2023	3.6"	1.9"	52%
December-2023	6.5"	2.3"	35%
January-2024	7.7"	1.5"	19%
February-2024	6.9"		
March-2024	6.3"		
April-2024	3.5"		
May-2024	2.1"		
June-2024	0.6"		
July-2024	0.3"		
August-2024	0.1"		
September-2024	0.3"		

Total precipitation since Monday, January 08, 2024, 0400 PST: 0.0"

Total precipitation for past 7 days, 0400 - 0400 PST: 1.5"

(Monthly totals may not add up to seasonal total because of rounding)

Seasonal Total to Date (Inches)	Seasonal Avg to Date (Inches)	Percent of Seasonal Avg to Date	
5.9"	14.4"	40%	
Water Year Average (Inches)		Percent of an Average Water Year	
40.0"		14%	
Driest Water Years	Precipitation (inches)	Wettest Water Years	Precipitation (inches)
1924	14.6"	1983	77.4"
1977	15.4"	2017	72.7"
2021	18.8"	1995	70.0"
2015	19.0"	1969	67.9"
2014	20.4"	1982	67.5"
1987	20.4"	2011	65.4"
1931	22.3"	1998	65.3"

Notes:	Precipitation (Inches)	Percent of Average
Last Year Seasonal Total to Date	23.4"	163%
Last Year January-2023 Total	18.4"	239%
Last Year December-2022 Total	11.9"	184%

WY 2023



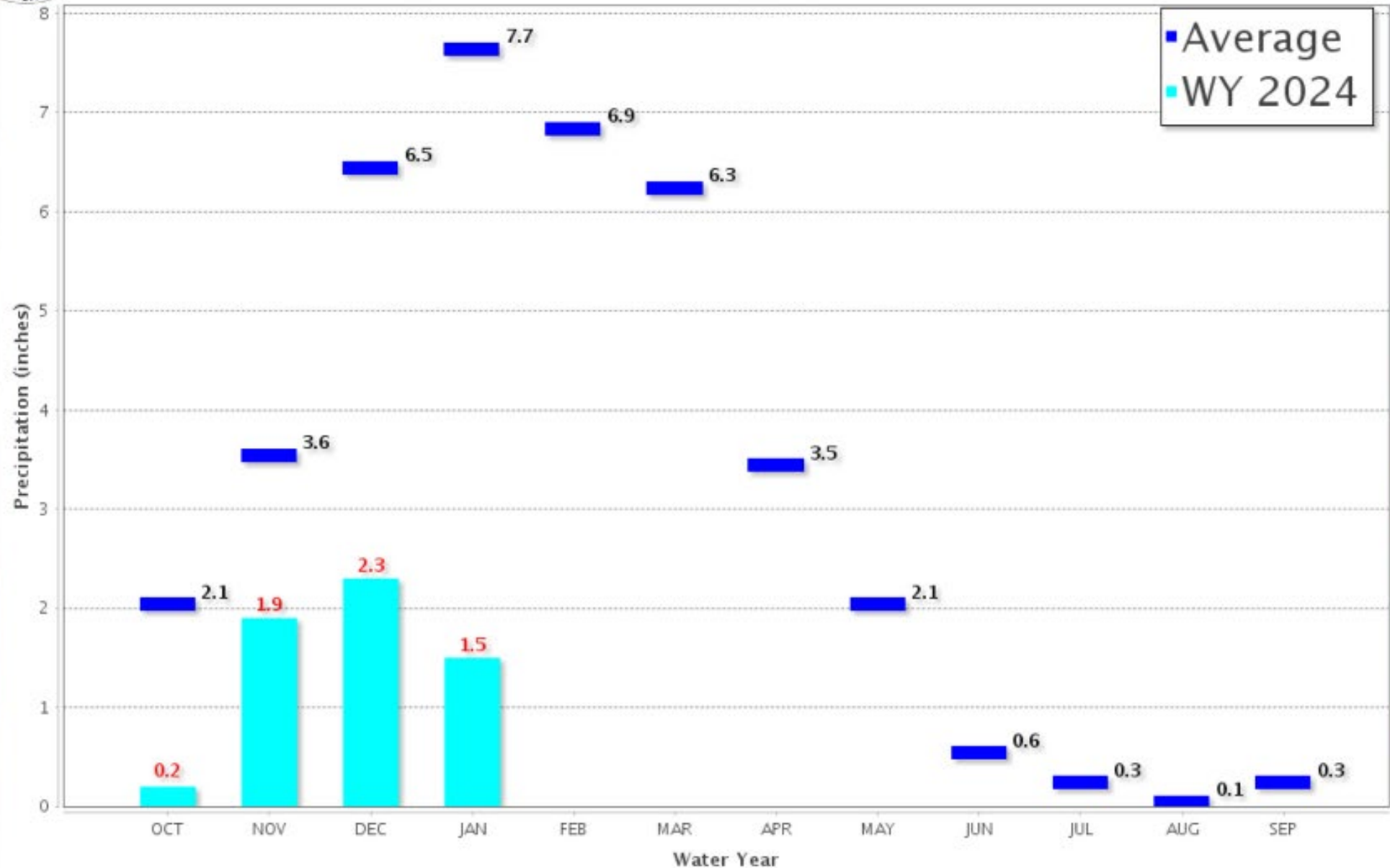


# San Joaquin 5-Station

Precipitation Index for Water Year 2024 - Updated on January 9, 2024 06:48 PM

Note: Monthly totals may not add up to seasonal total because of rounding

Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST





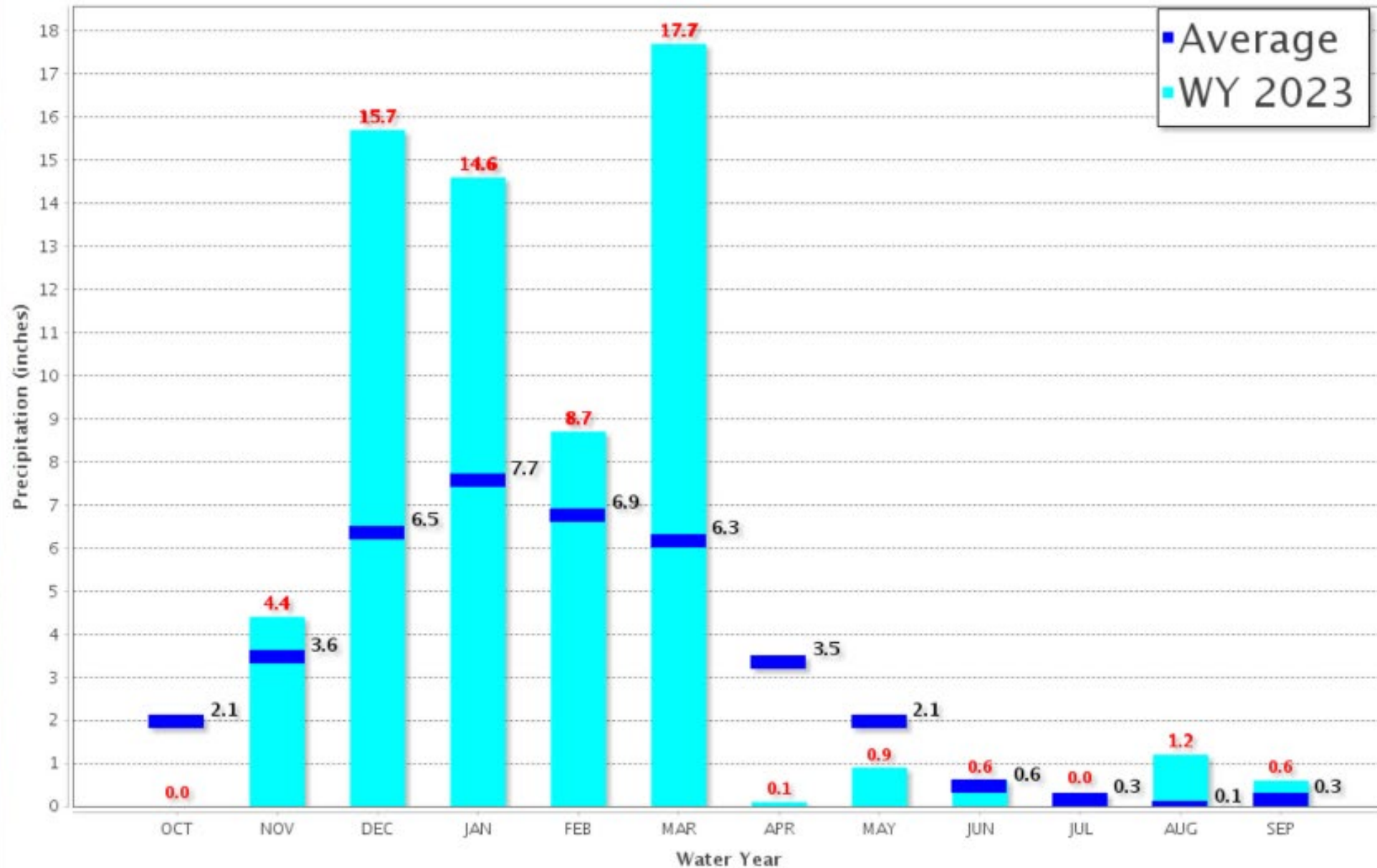


# San Joaquin 5-Station

Precipitation Index for Water Year 2023 - Updated on September 30, 2023 10:48 AM

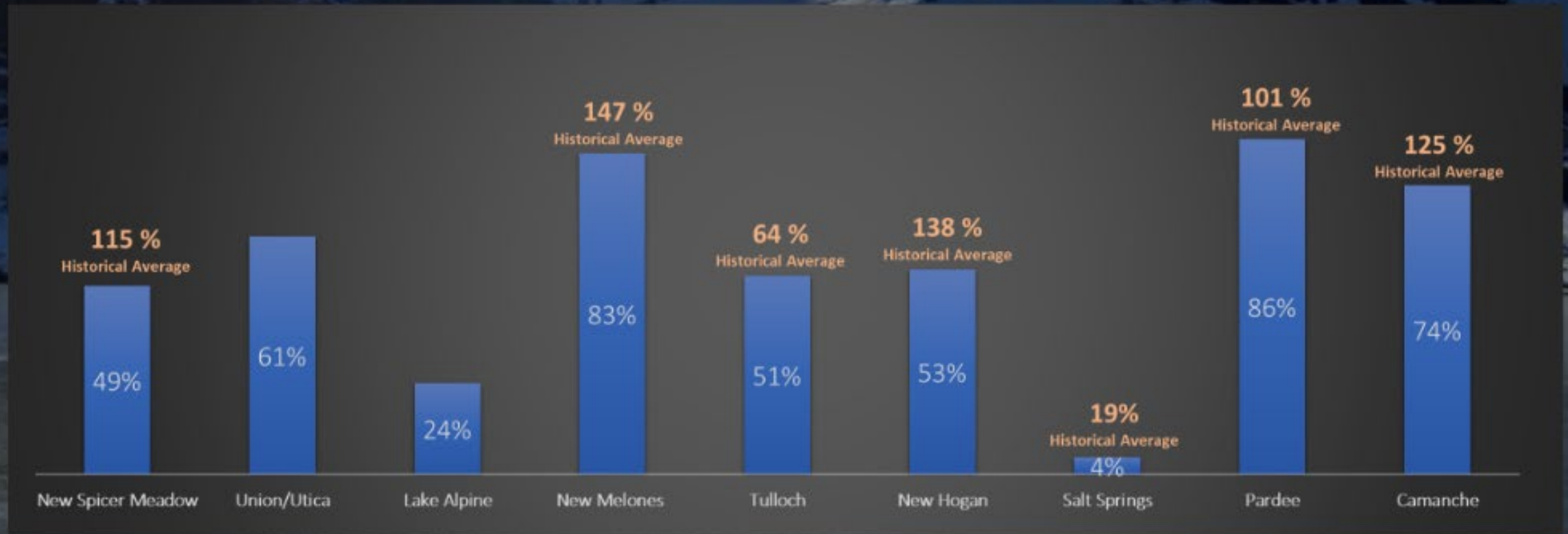
Note: Monthly totals may not add up to seasonal total because of rounding

Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST



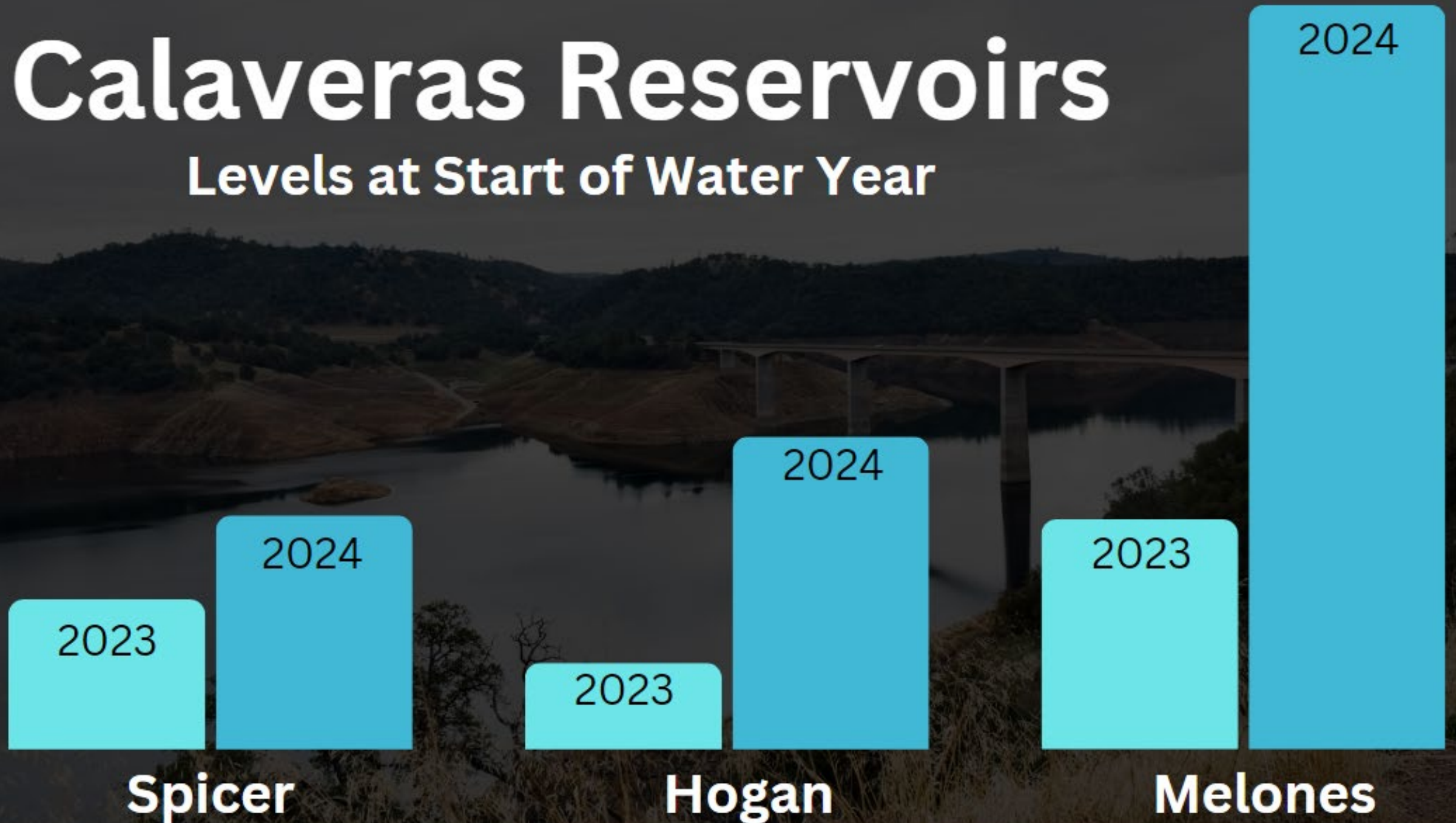
# Calaveras Reservoir Levels

## January 10, 2024

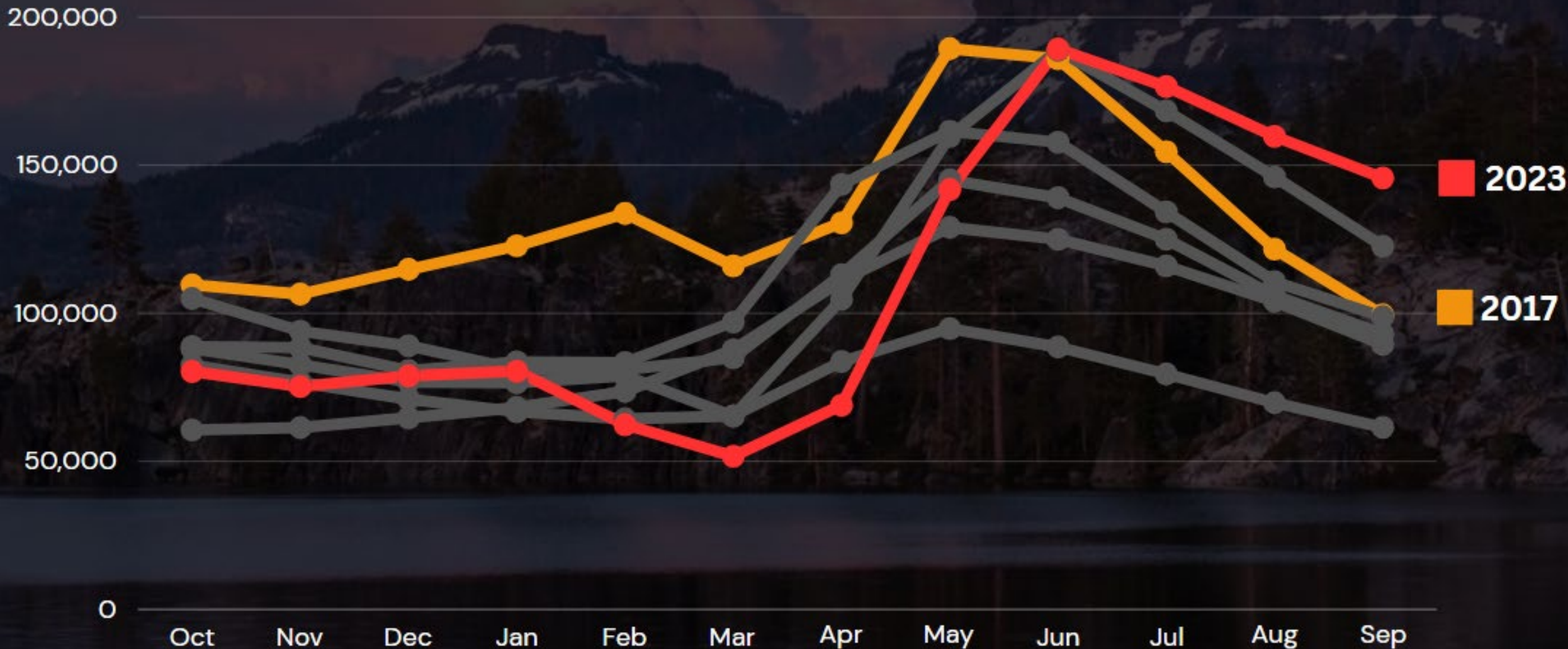


# Calaveras Reservoirs

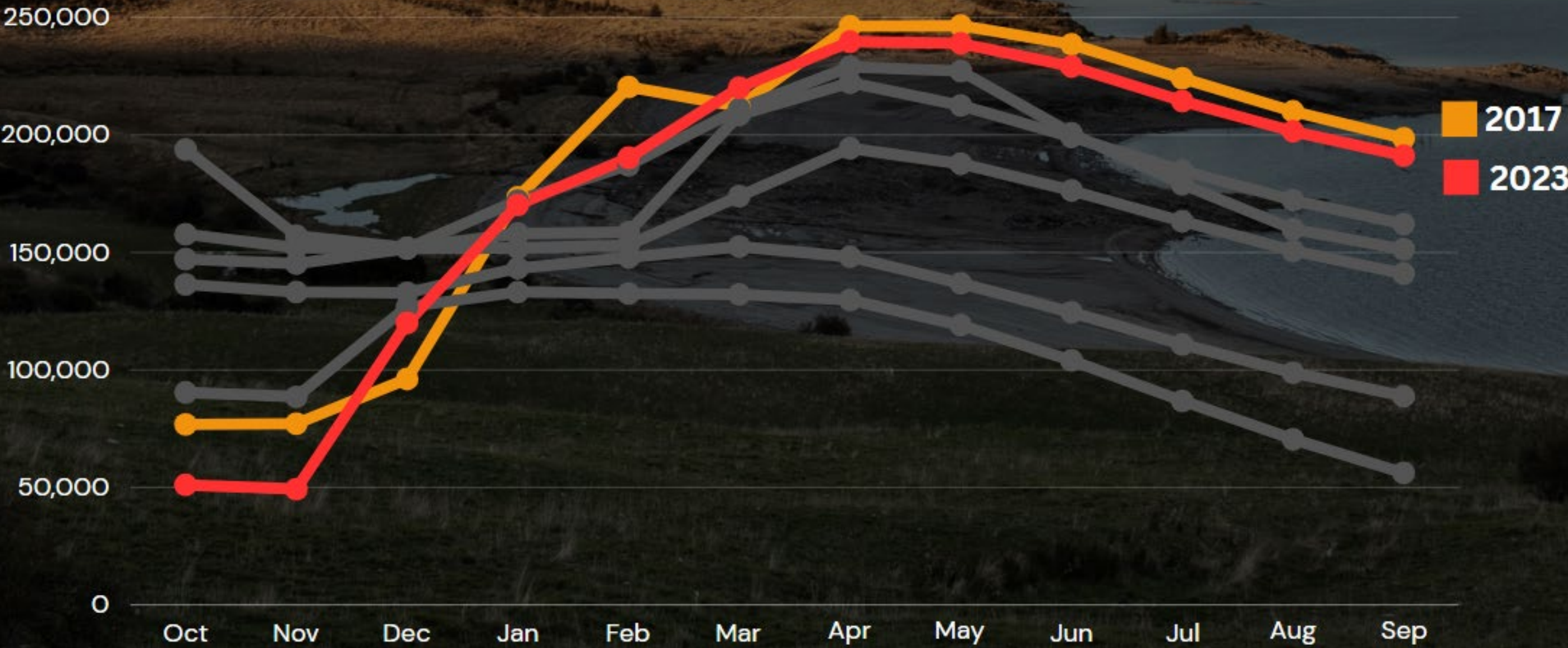
Levels at Start of Water Year



# Spicer 2017 - 2023



# Hogan 2017 - 2023

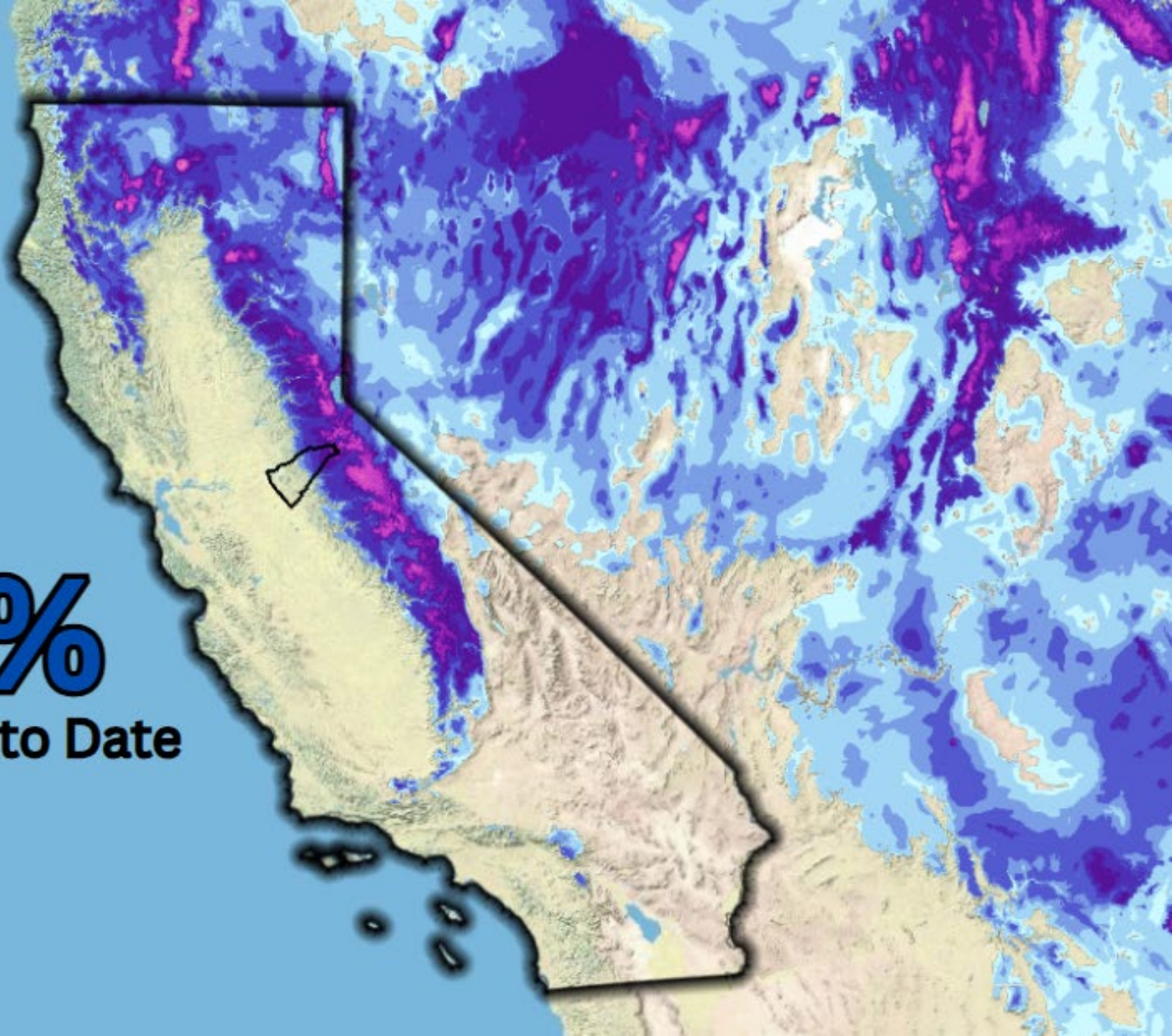


# Statewide Snow Pack

January 10

2024 - **35%**

% Normal to Date



# Statewide Snow Pack

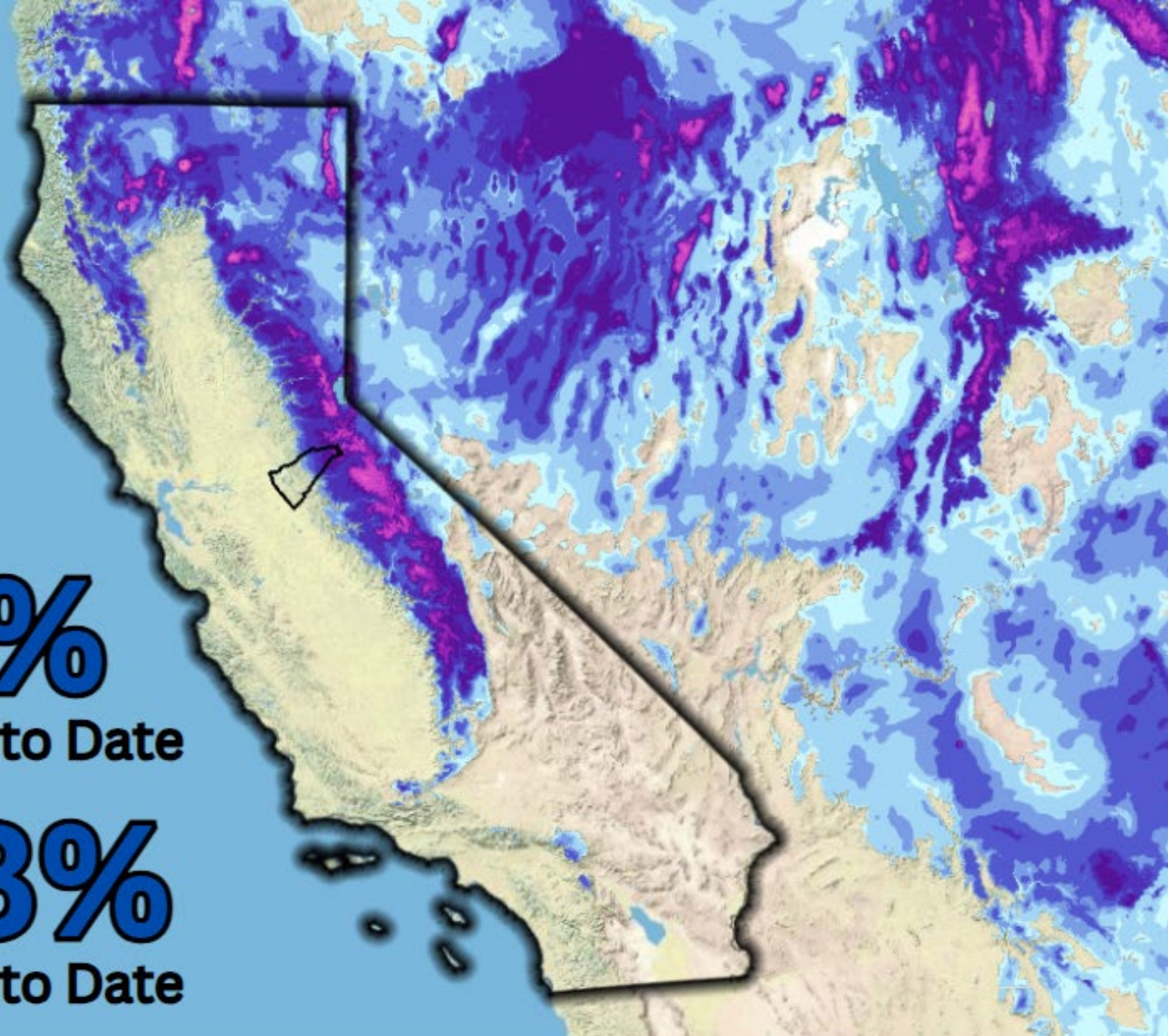
January 10

2024 - **35%**

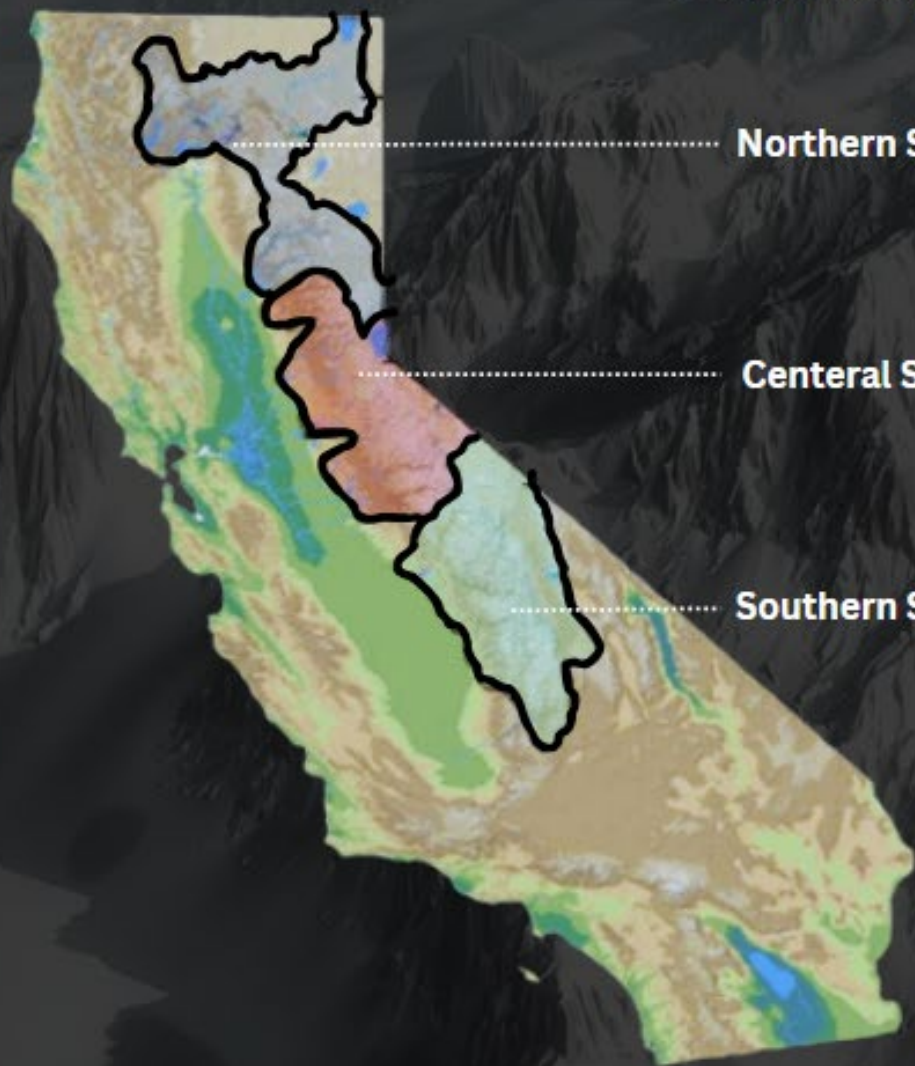
% Normal to Date

2023 - **223%**

% Normal to Date



# January 10 2024



Northern Sierra ..... **16 % - 38%**

Central Sierra ..... **16 % - 37%**

Southern Sierra ..... **12 % - 28%**

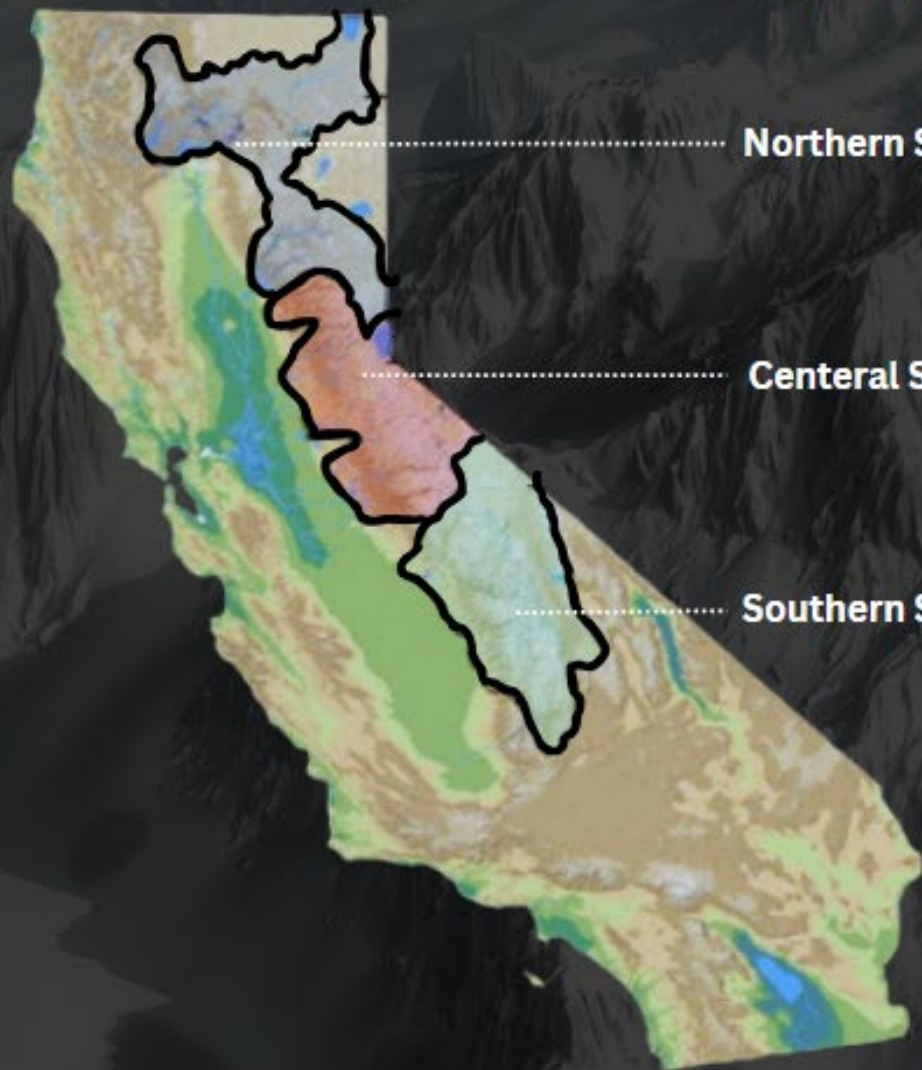
**% April 1 Avg - % Normal to Date**



January 10

2024

2023



Northern Sierra

16 % - 38%

75 % - 176%

Central Sierra

16 % - 37%

96 % - 217%

Southern Sierra

12 % - 28%

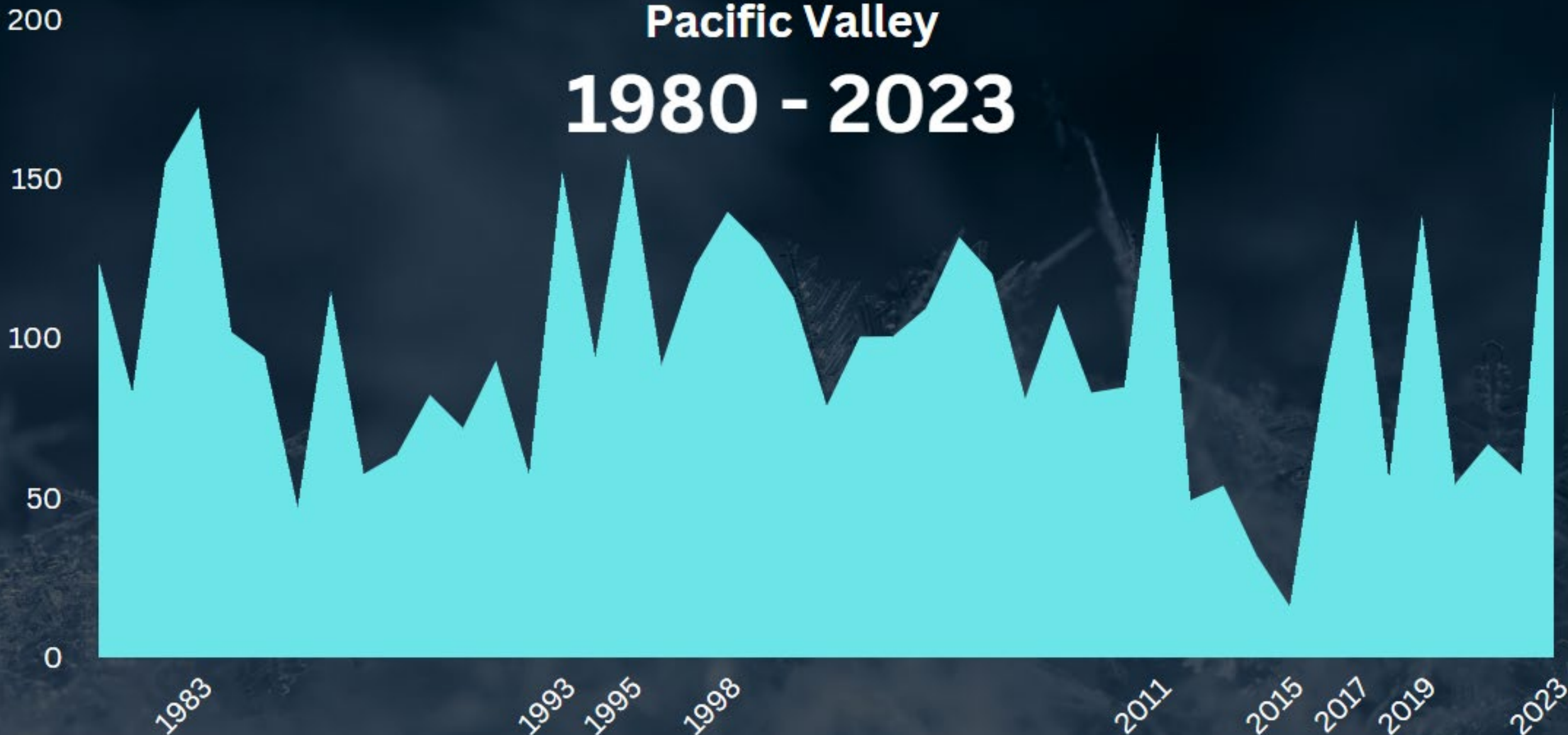
112 % - 251%

% April 1 Avg - % Normal to Date

# Ebbetts Pass Max Snow Depth

Pacific Valley

1980 - 2023



**Thank You  
&  
Bring on the Snow**

