



Water Supply Conditions Update

Regular Board Meeting
February 21, 2024

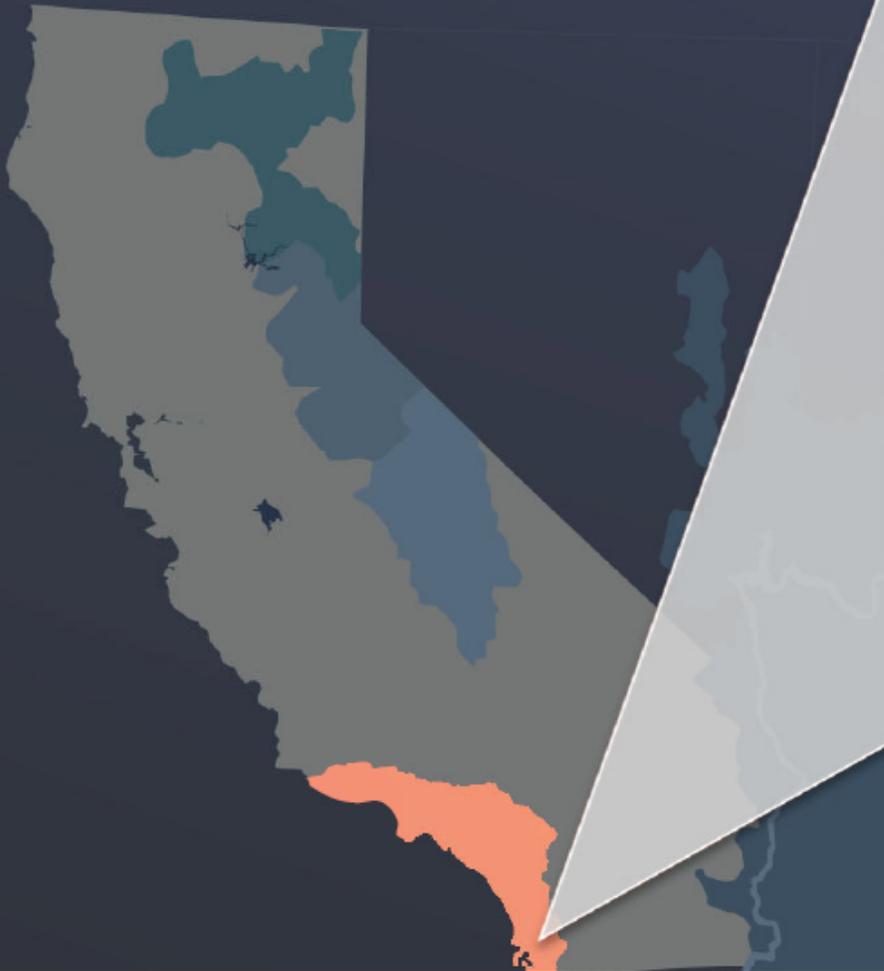


Hydrologic Conditions Update



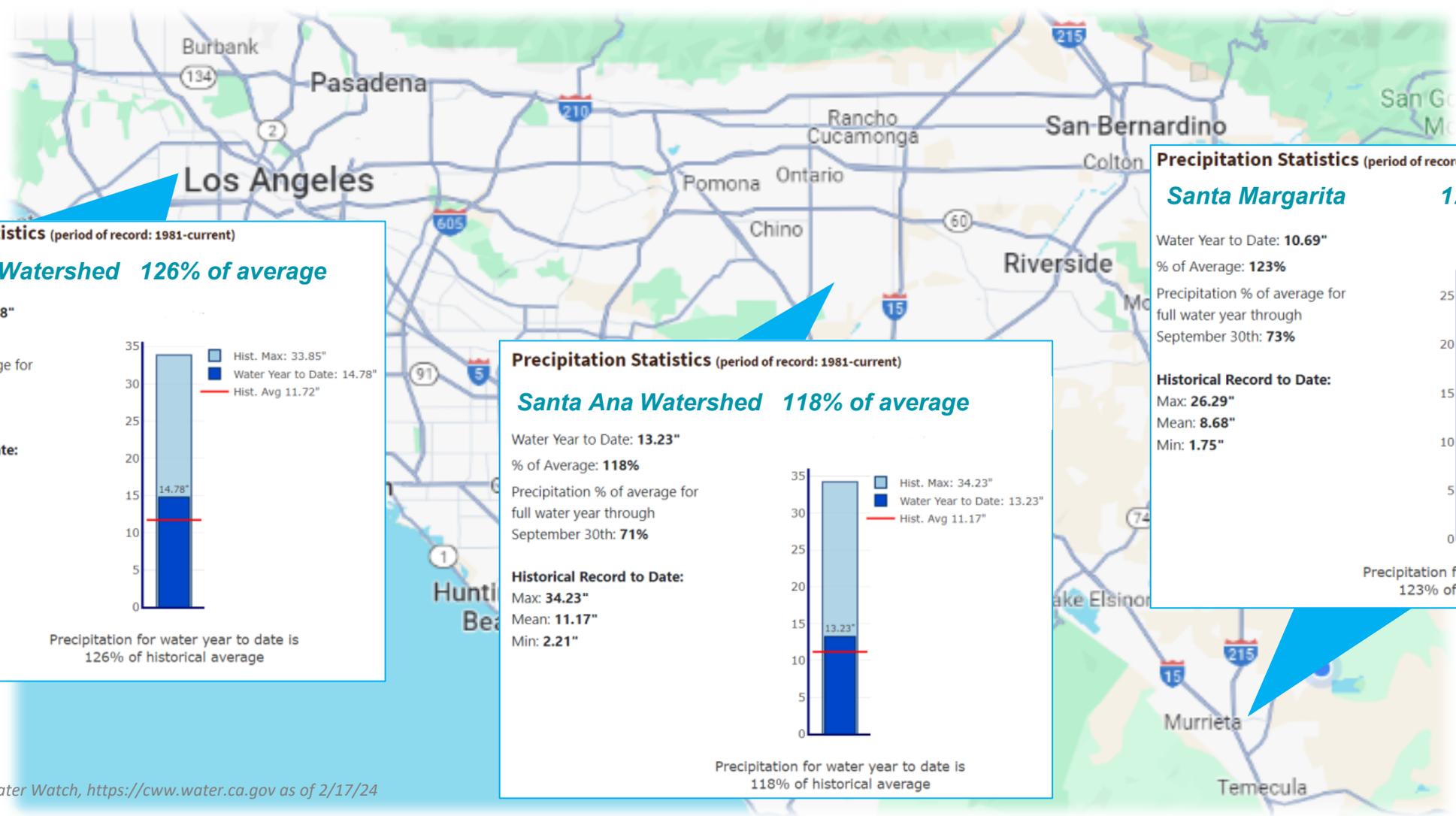
Phillips Station
Credit: Department of Water Resources

Severe Flooding Conditions throughout MWD's Service Area



Credit: The New York Times

WATERSHEDS PRECIPITATION



Precipitation Statistics (period of record: 1981-current)

Los Angeles Watershed 126% of average

Water Year to Date: **14.78"**
 % of Average: **126%**
 Precipitation % of average for full water year through September 30th: **76%**

Historical Record to Date:
 Max: **33.85"**
 Mean: **11.72"**
 Min: **1.93"**

Precipitation for water year to date is 126% of historical average

Precipitation Statistics (period of record: 1981-current)

Santa Ana Watershed 118% of average

Water Year to Date: **13.23"**
 % of Average: **118%**
 Precipitation % of average for full water year through September 30th: **71%**

Historical Record to Date:
 Max: **34.23"**
 Mean: **11.17"**
 Min: **2.21"**

Precipitation for water year to date is 118% of historical average

Precipitation Statistics (period of record: 1981-current)

Santa Margarita 123% of average

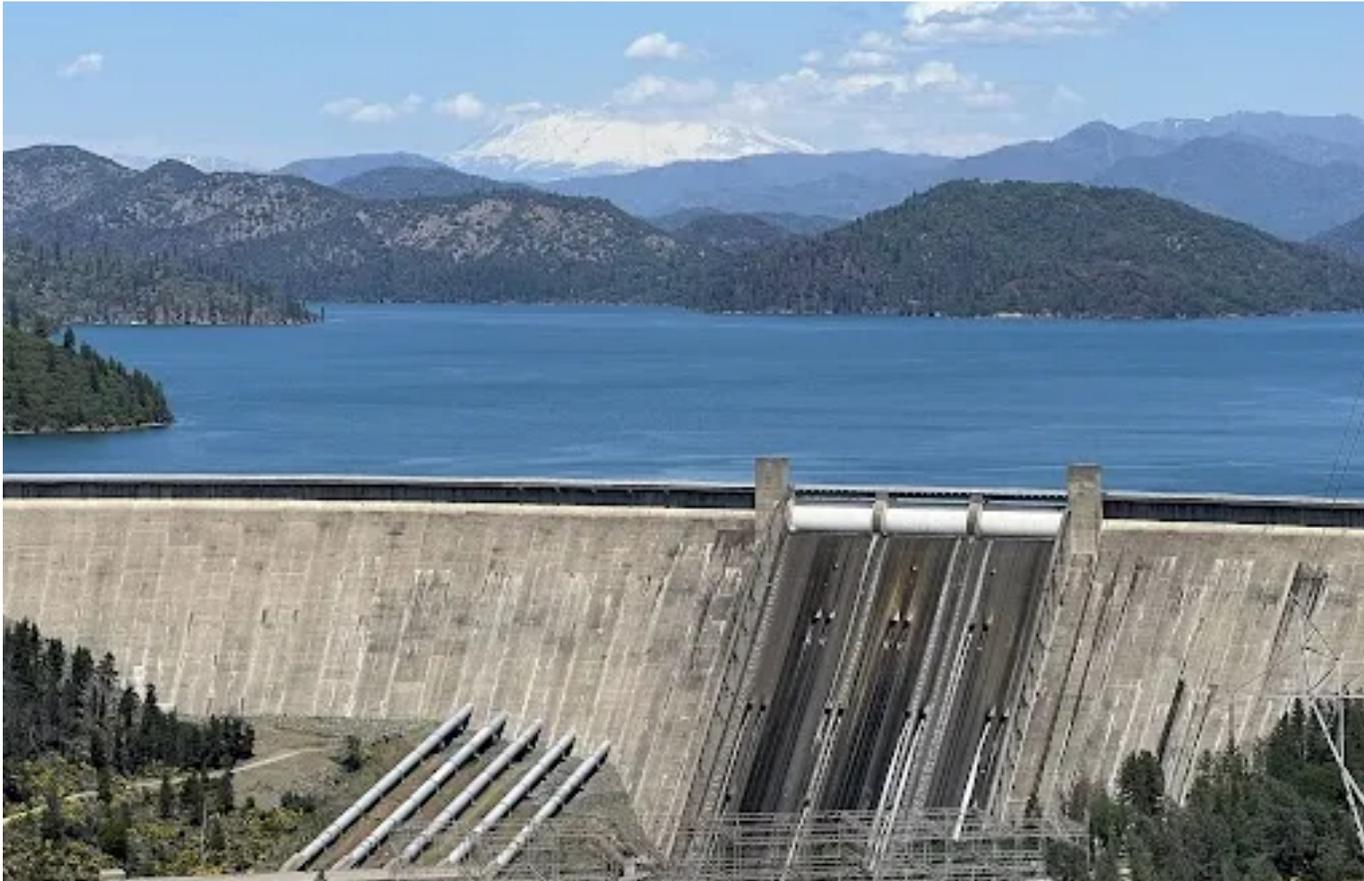
Water Year to Date: **10.69"**
 % of Average: **123%**
 Precipitation % of average for full water year through September 30th: **73%**

Historical Record to Date:
 Max: **26.29"**
 Mean: **8.68"**
 Min: **1.75"**

Precipitation for water year to date is 123% of historical average

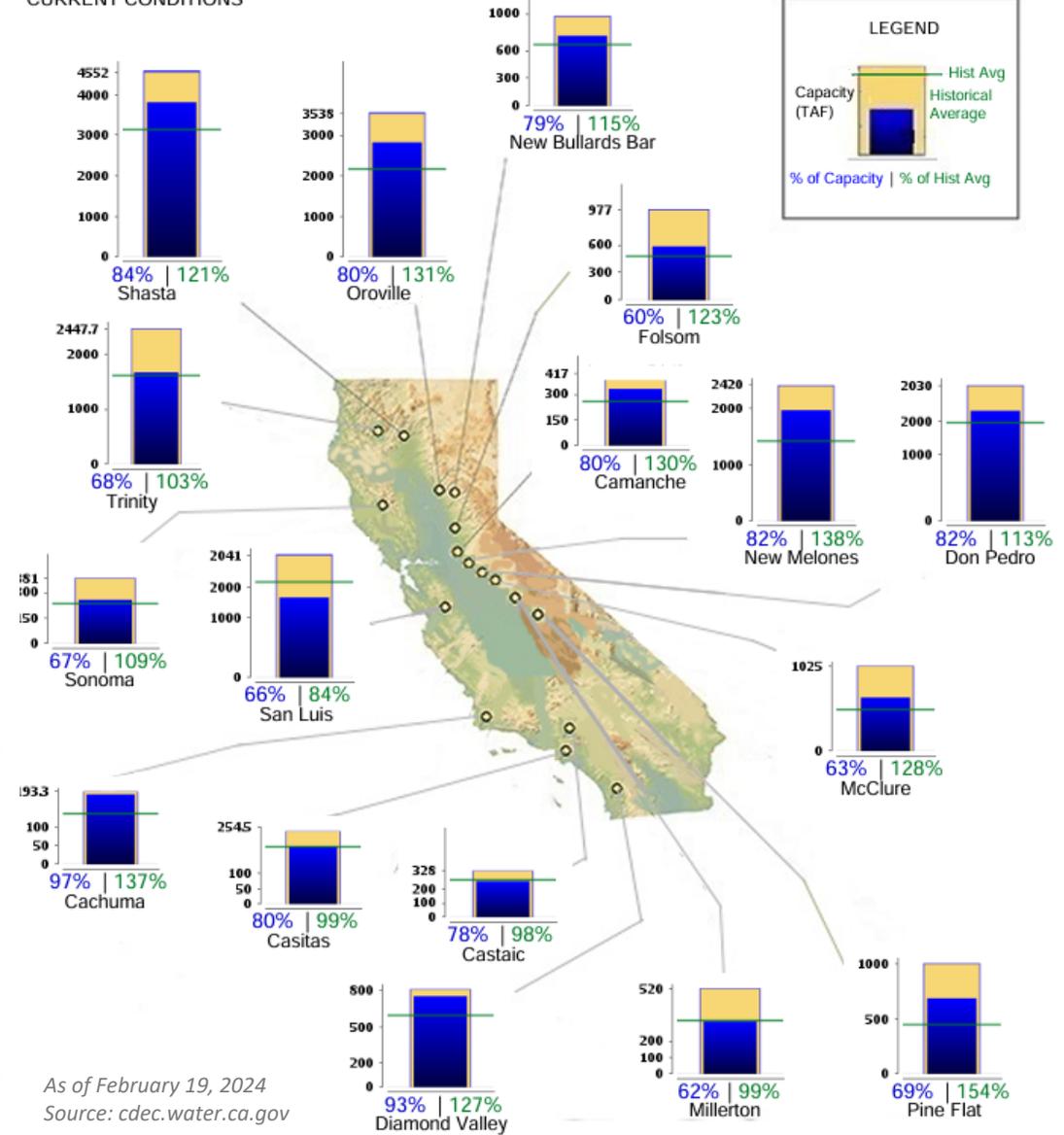
Source: California Water Watch, <https://cww.water.ca.gov> as of 2/17/24

MAJOR WATER RESERVOIR LEVELS



Lake Shasta, Credit: Orange County Register. February 19, 2024

CURRENT CONDITIONS



FLOOD CONTROL RELEASES AT OROVILLE



January 31, 2024. Credit: Department of Water Resources

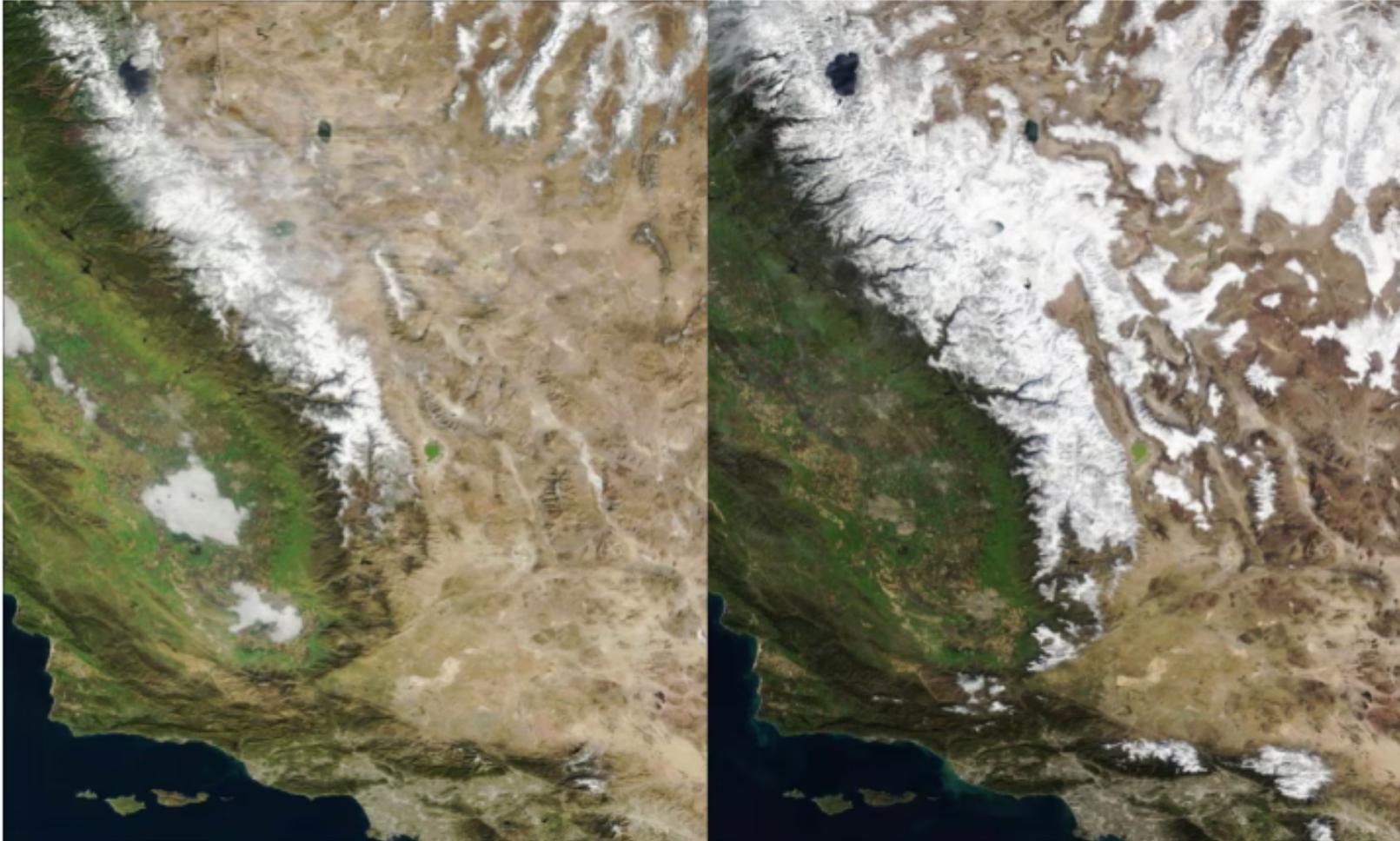


January 31, 2024. Credit: Department of Water Resources



February 6, 2024. Credit: Enterprise-Record

Before and after images show California snowpack replenished by fierce storms



📷 Satellite imagery shows the Sierra Nevada mountains on 29 January, left, and 11 February, right. Photograph: NASA

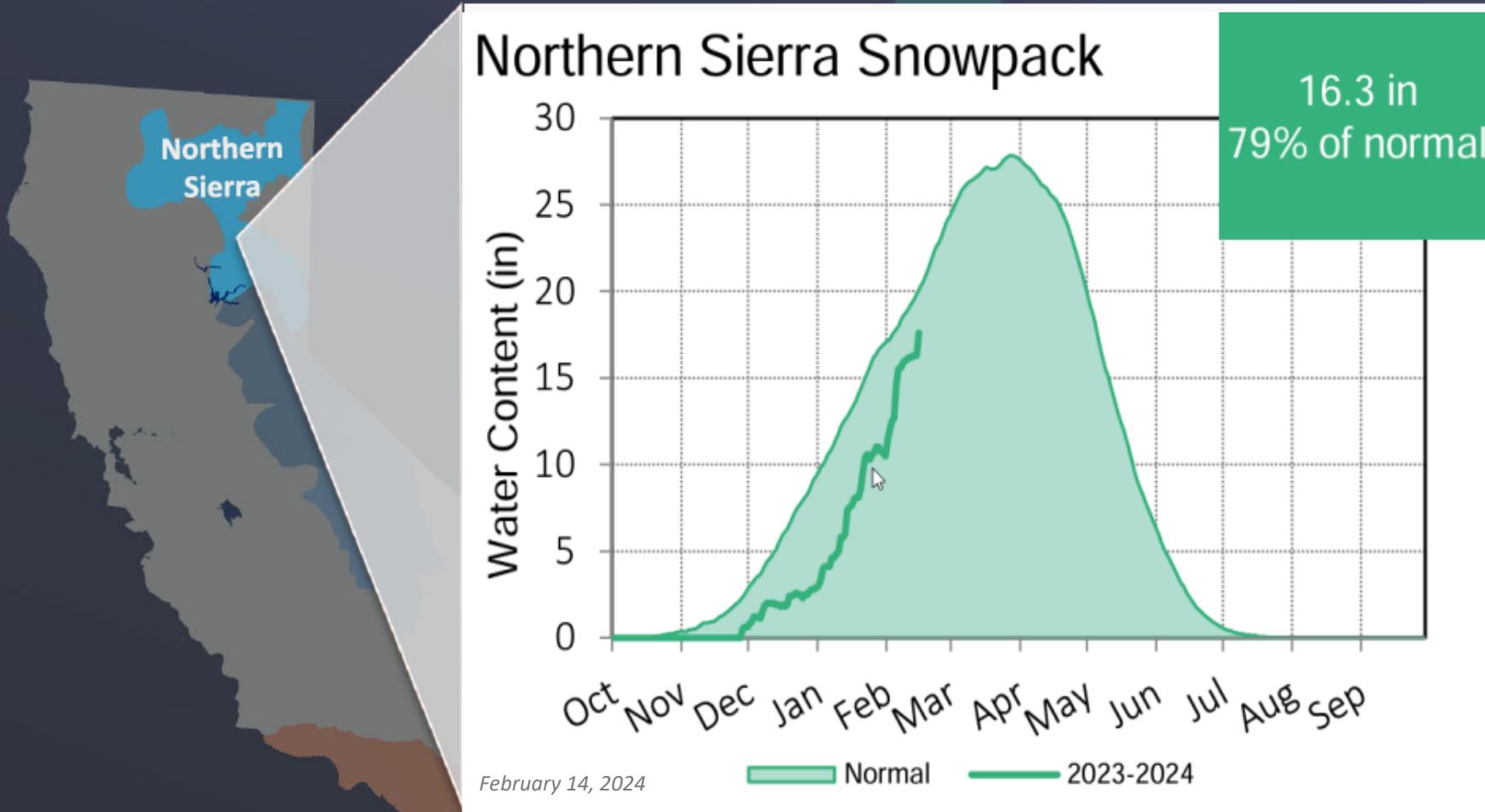
FEBRUARY SNOW SURVEY

Phillips	2023	2024
Water Content	33.5"	10.0"
Snow Depth	85.5"	29.0"
% of Average	193%	58%
% of April 1 Average	137%	41%
Statewide	2023	2024
Water Content	34.8"	8.4"
% of April 1 Average	135	32%
% of Average	215%	52%

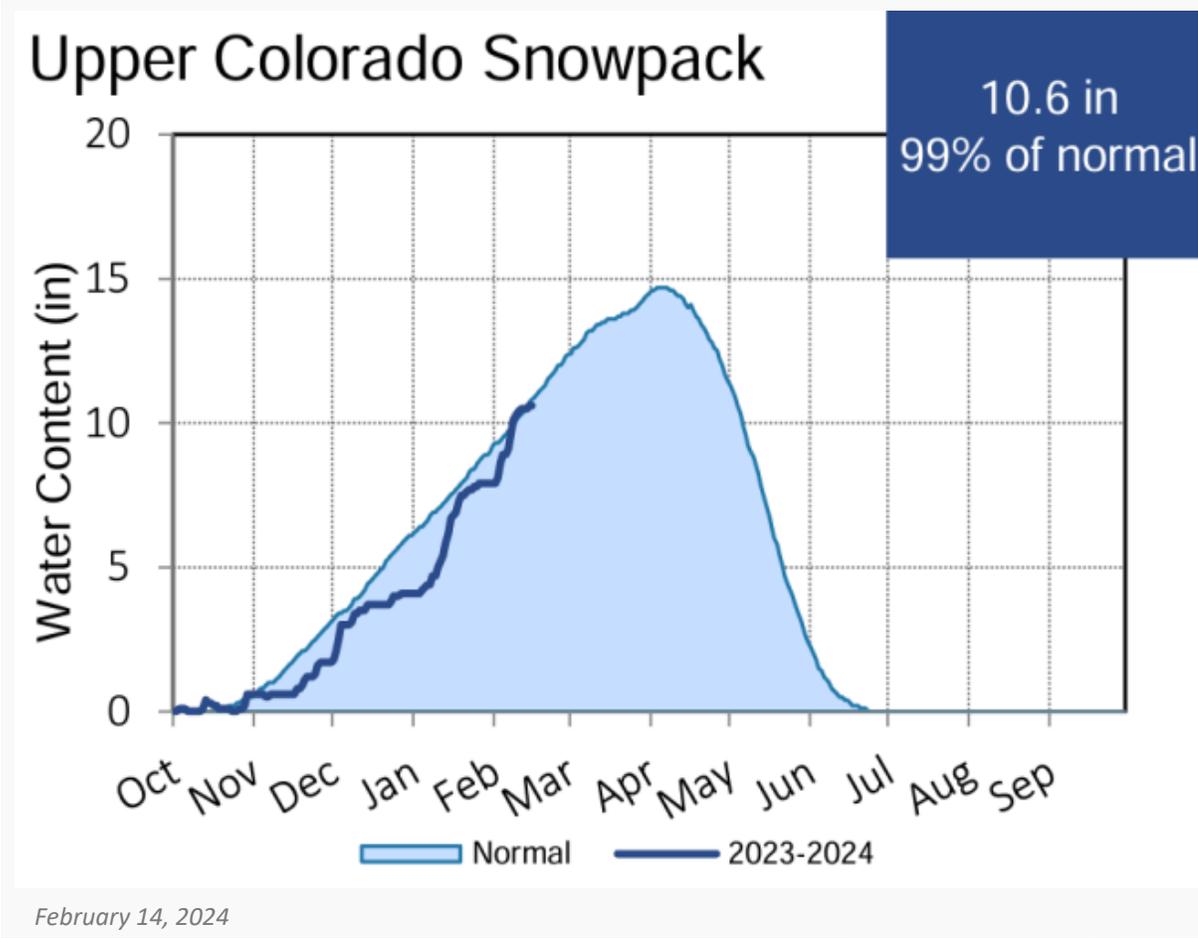
*Snow surveys typically occur the first of the month
Source: Department of Water Resources*



Imported Supply Watershed Conditions Continuing to Develop

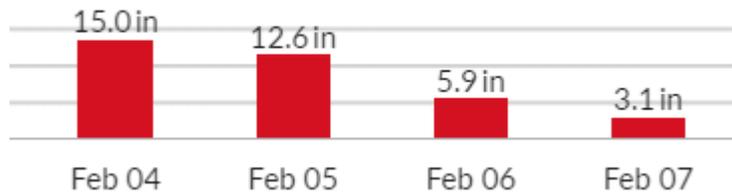


Imported Supply Watershed Conditions Continuing to Develop

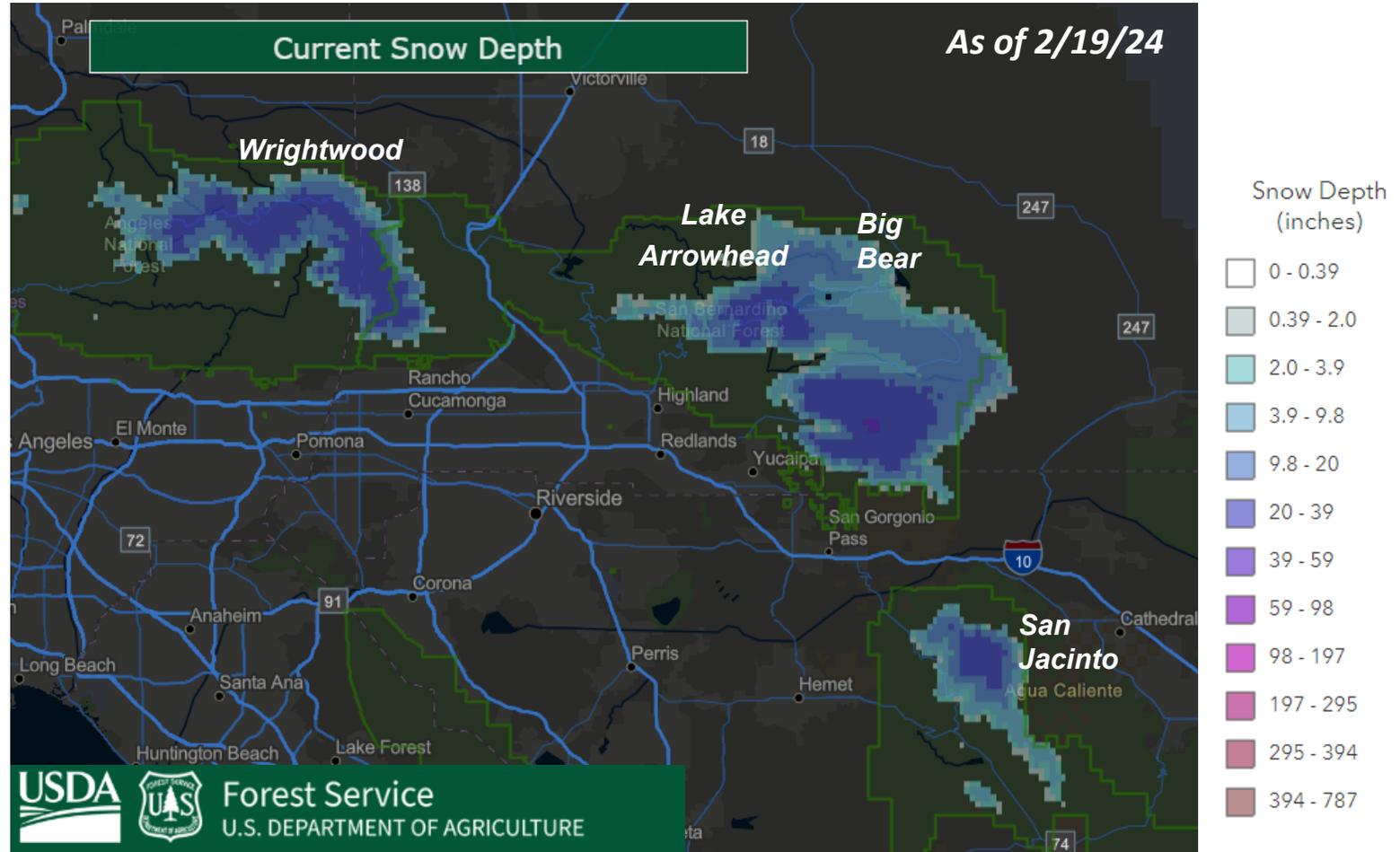
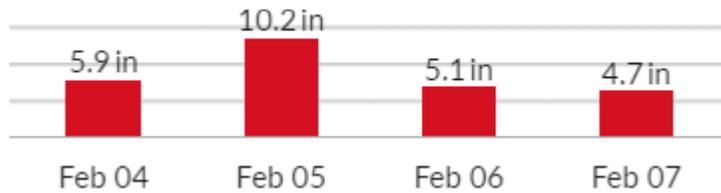


RECENT LOCAL SNOW

Wrightwood:



Big Bear:



www.snow-forecast.com

www.fs.usda.gov

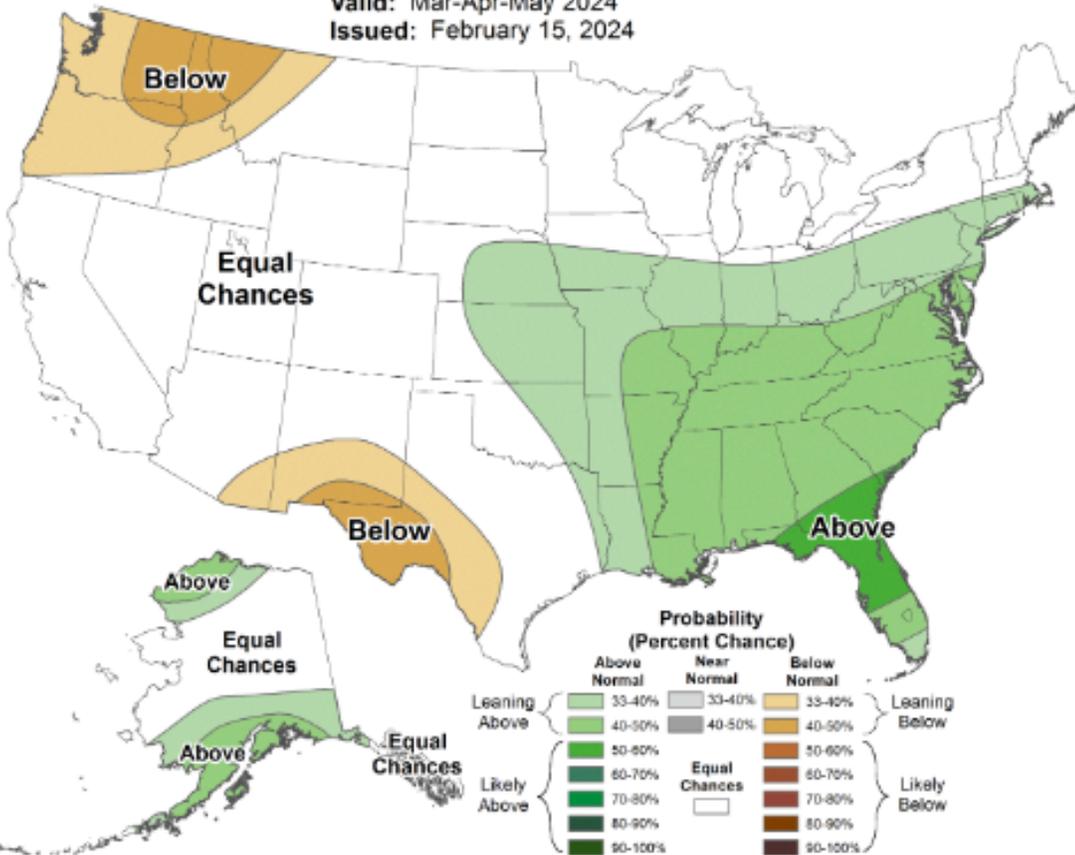
SEASONAL OUTLOOK: *MARCH TO MAY*



Seasonal Precipitation Outlook



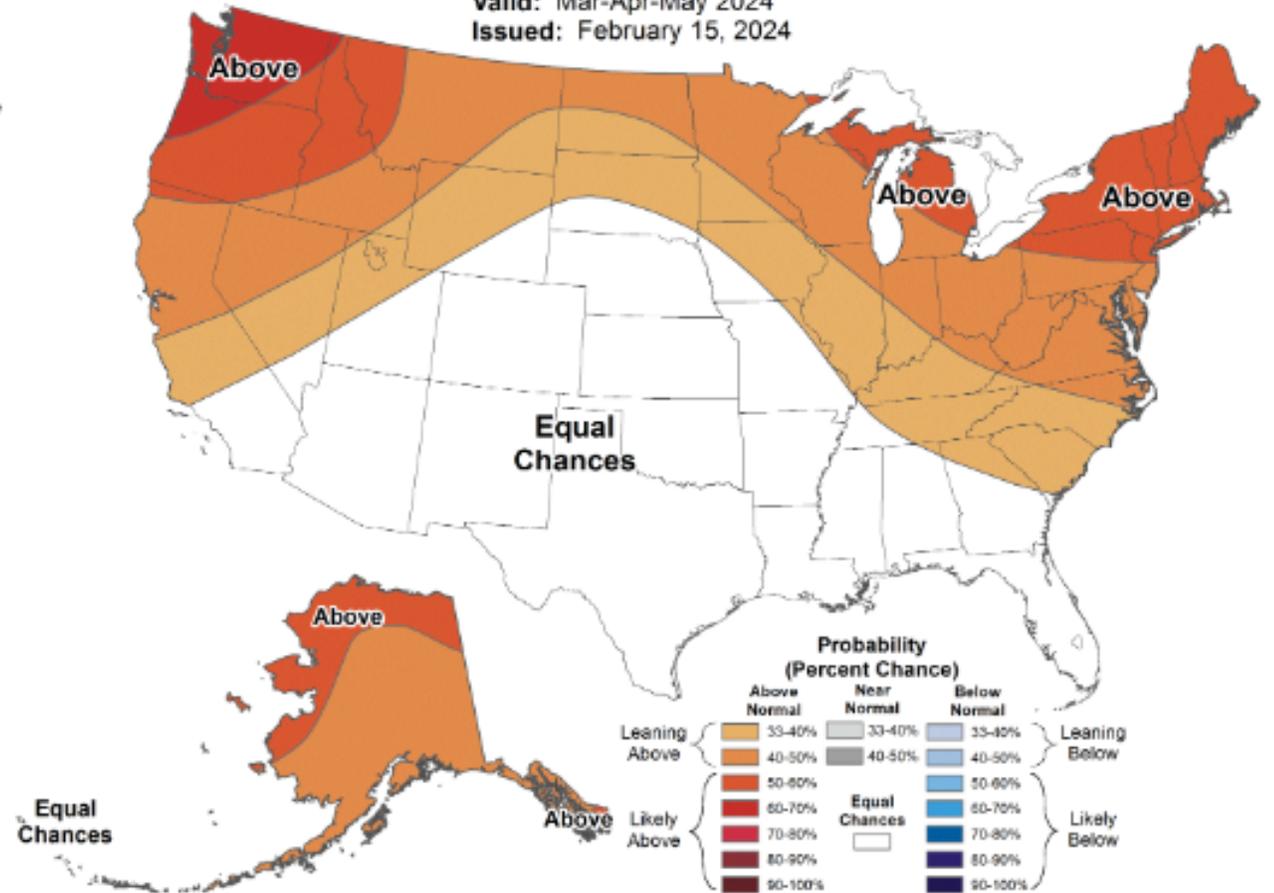
Valid: Mar-Apr-May 2024
 Issued: February 15, 2024



Seasonal Temperature Outlook



Valid: Mar-Apr-May 2024
 Issued: February 15, 2024



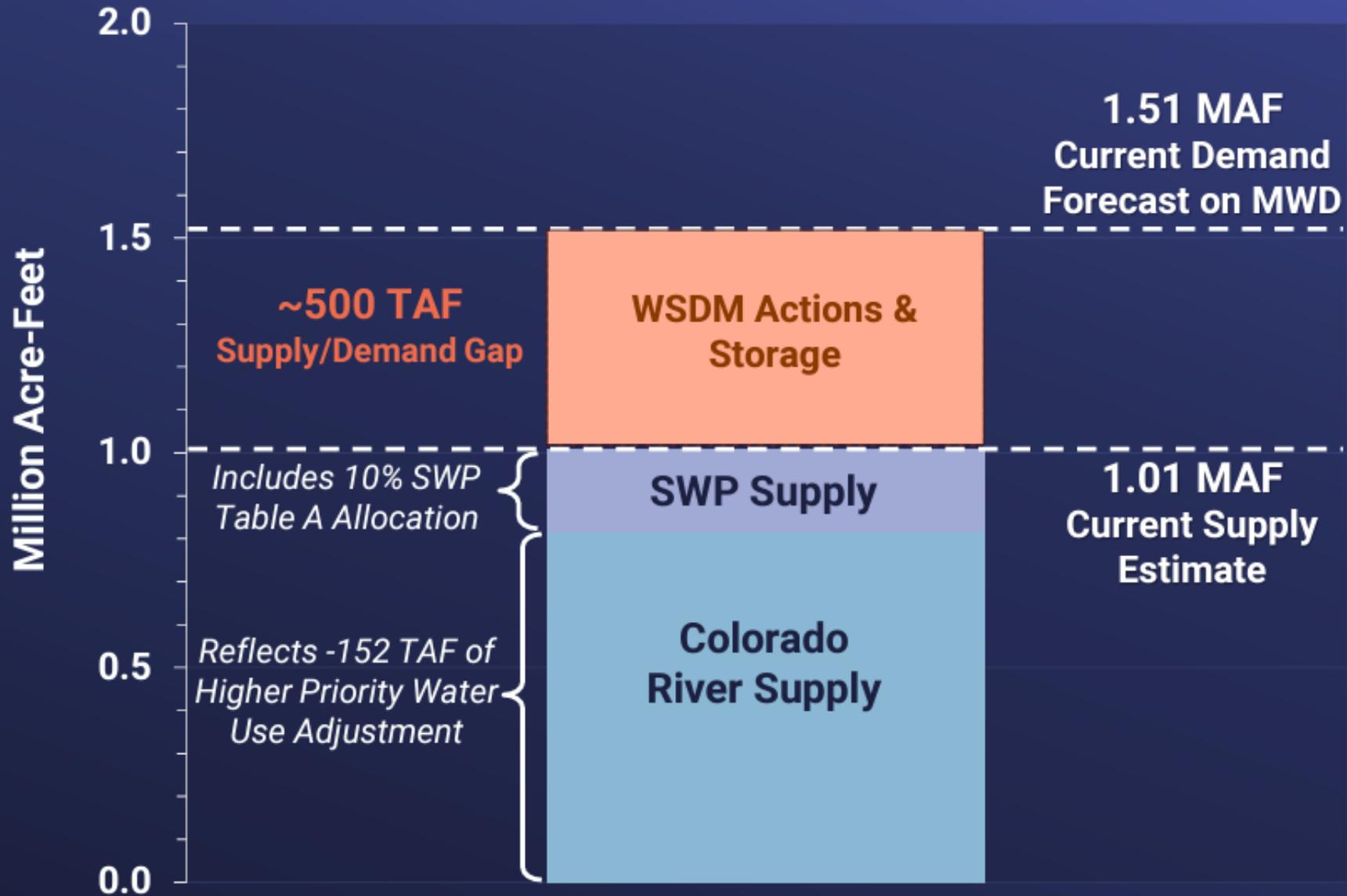
Source: www.cpc.ncep.noaa.gov

2024 Water Surplus & Drought Management



Credit: Department of Water Resources

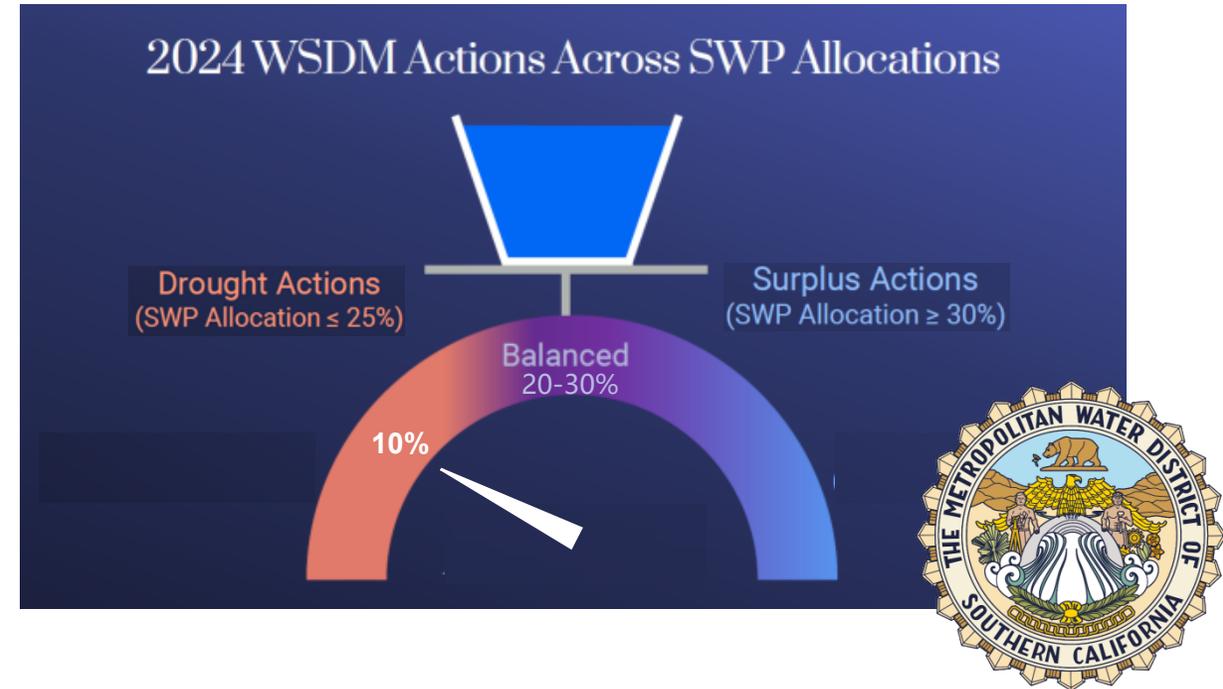
2024 Water Supply/Demand Balance: **Regional View**



Note: Data as of February 6, 2024.

2024 MWD ACTIONS

- SWP Allocation remains at 10%
- MWD-proposed Supplemental Water Management (SWM) Program
- Pursuing securing water in 2024 to preserve storage reserves



HIGHLIGHTS

- SWP allocation increase depends on improved hydrologic conditions
- Western Water ready to adapt to changing conditions
- Exploring groundwater storage opportunities
 - ~25% towards goal of over 20,000 acre-feet





Thank you!

