



Water Supply Conditions Update

Regular Board Meeting
February 21, 2024



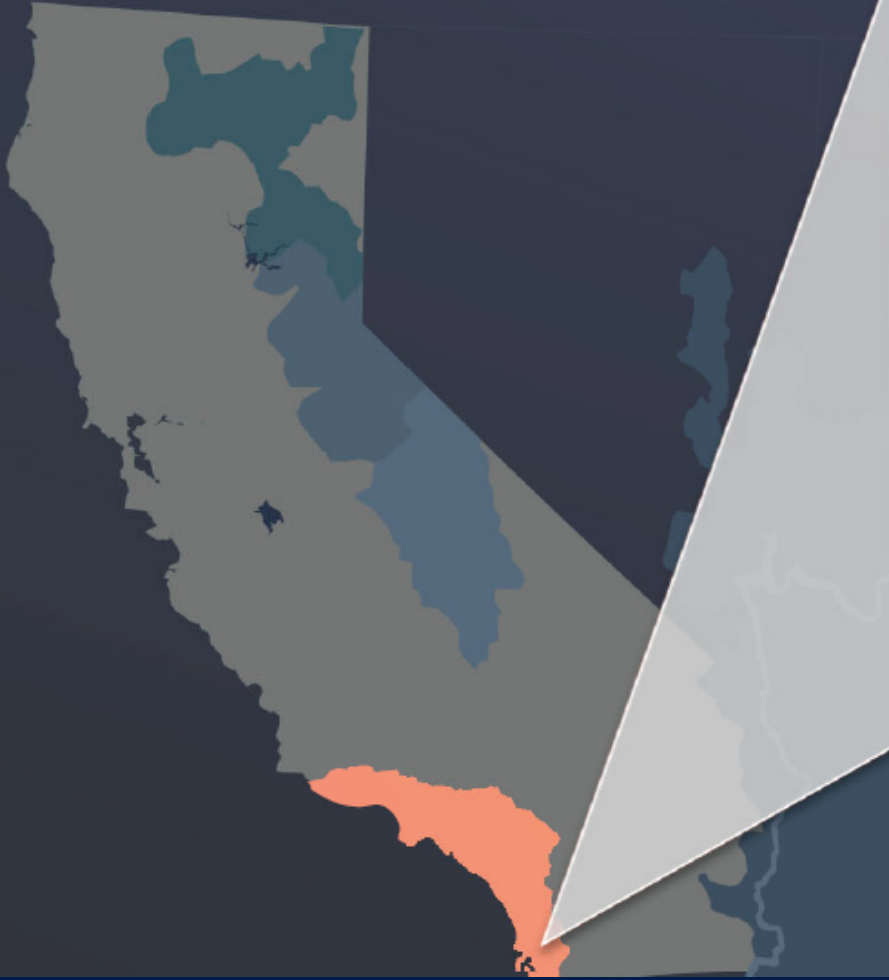
Hydrologic Conditions Update



Phillips Station

Credit: Department of Water Resources

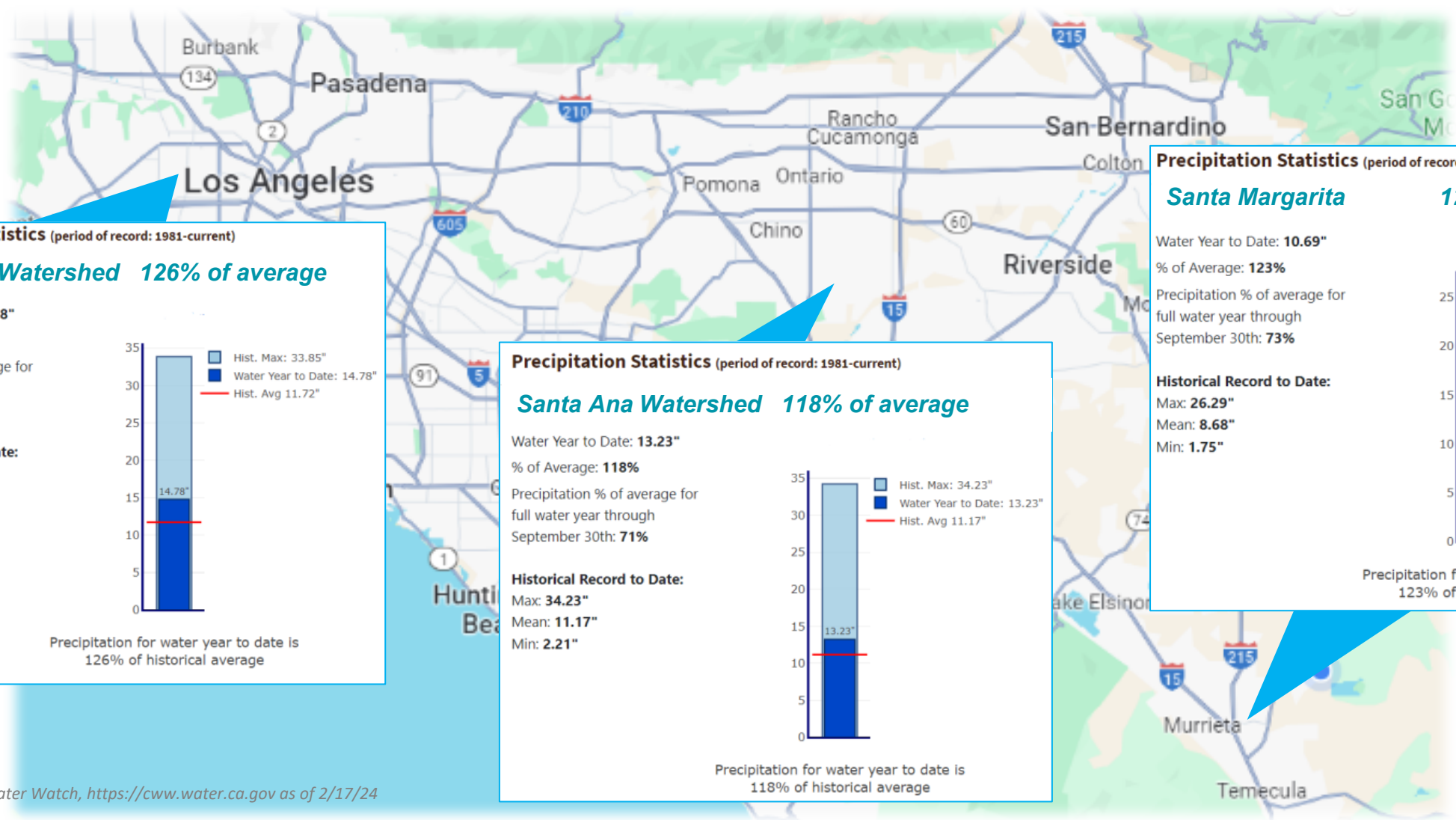
Severe Flooding Conditions throughout MWD's Service Area



San Diego, CA (January 2024)



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

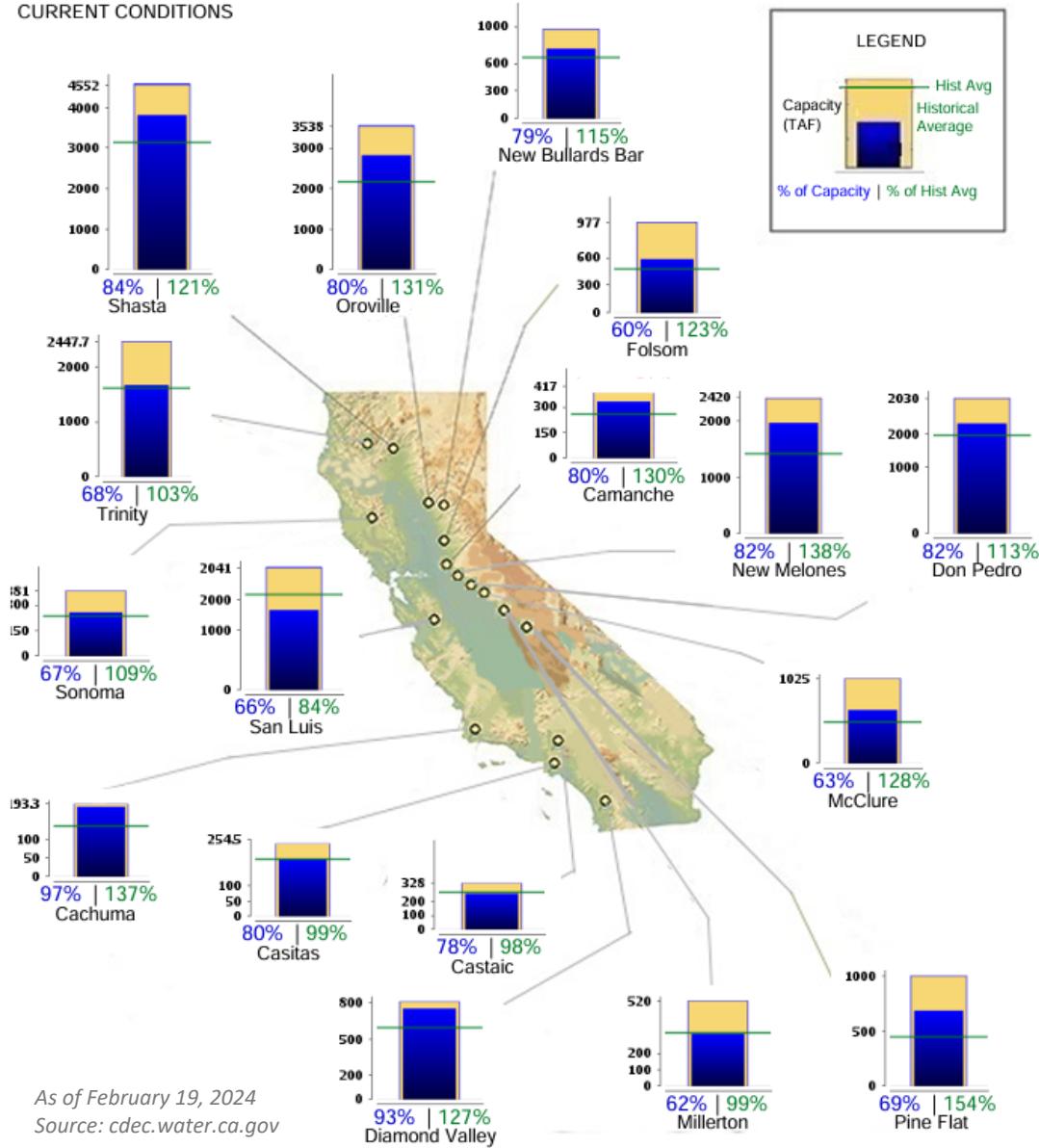
Source: California Water Watch, <https://cww.water.ca.gov> as of 2/17/24

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

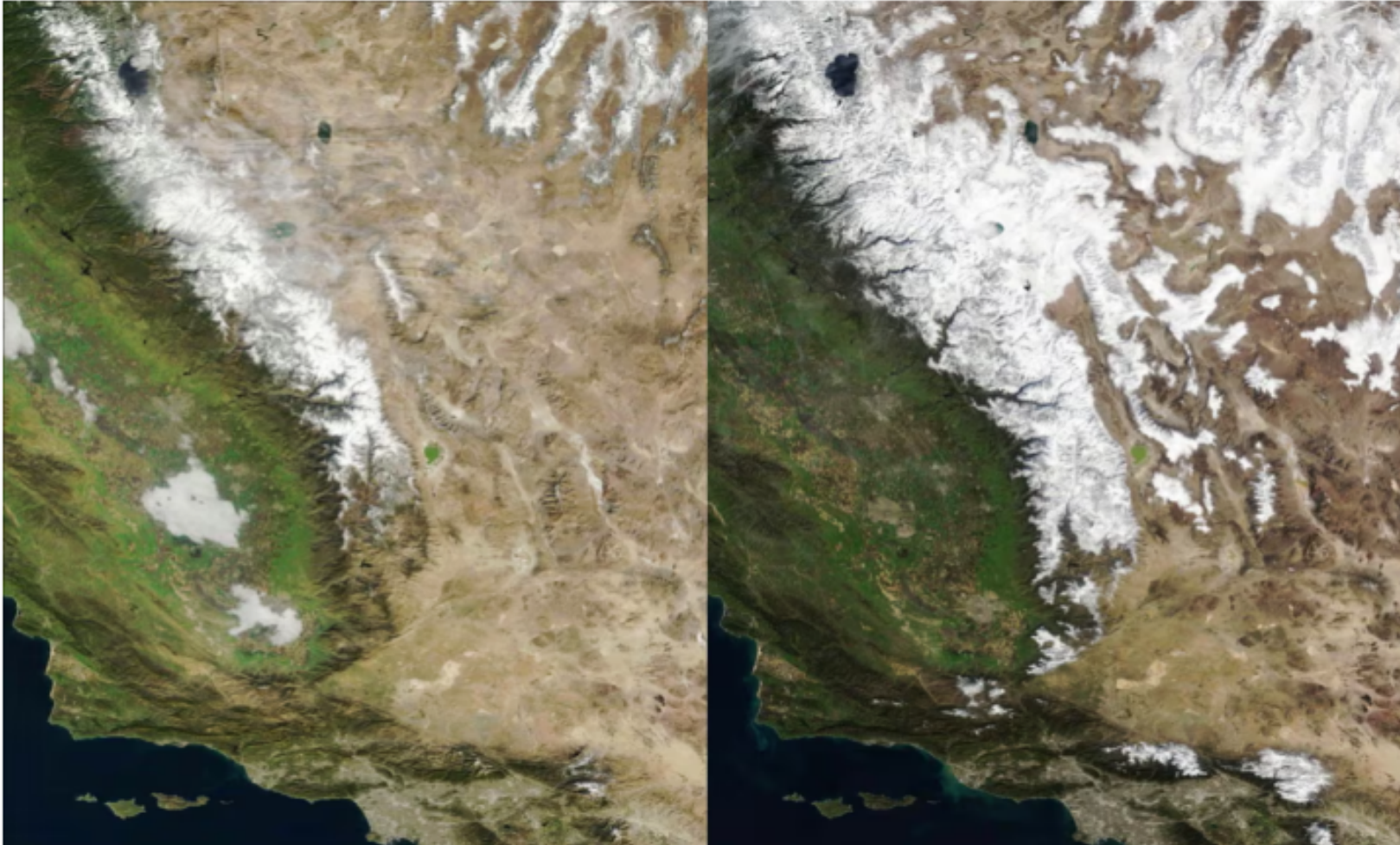


January 31, 2024. Credit: Department of Water Resources



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

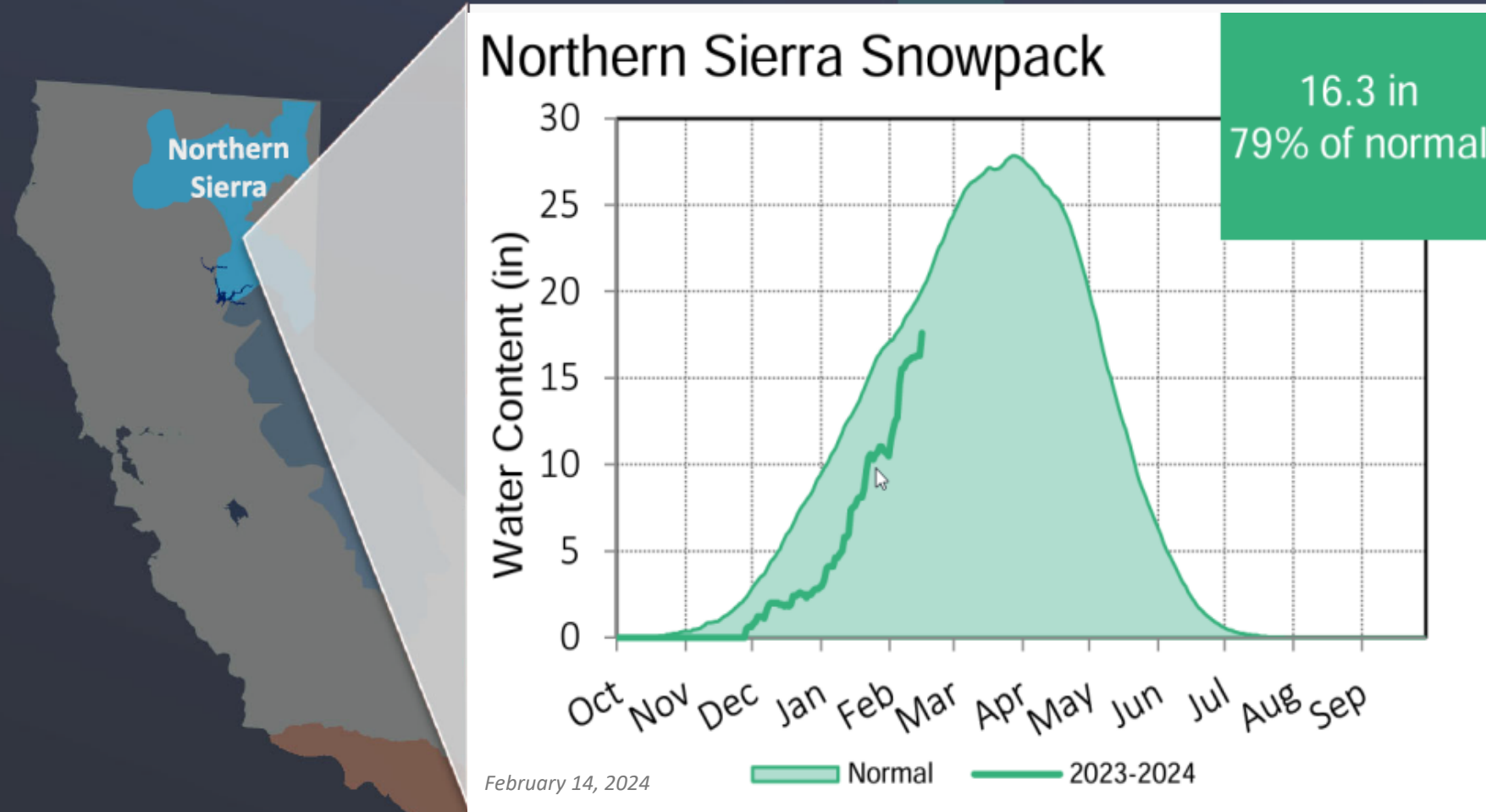
Phillips	2023	2024
Water Content	33.5"	10.0"
Snow Depth	85.5"	29.0"
% of Average	193%	58%
% of April 1 Average	137%	41%
Statewide	2023	2024
Water Content	34.8"	8.4"
% of April 1 Average	135	32%
% of Average	215%	52%

Snow surveys typically occur the first of the month

Source: Department of Water Resources

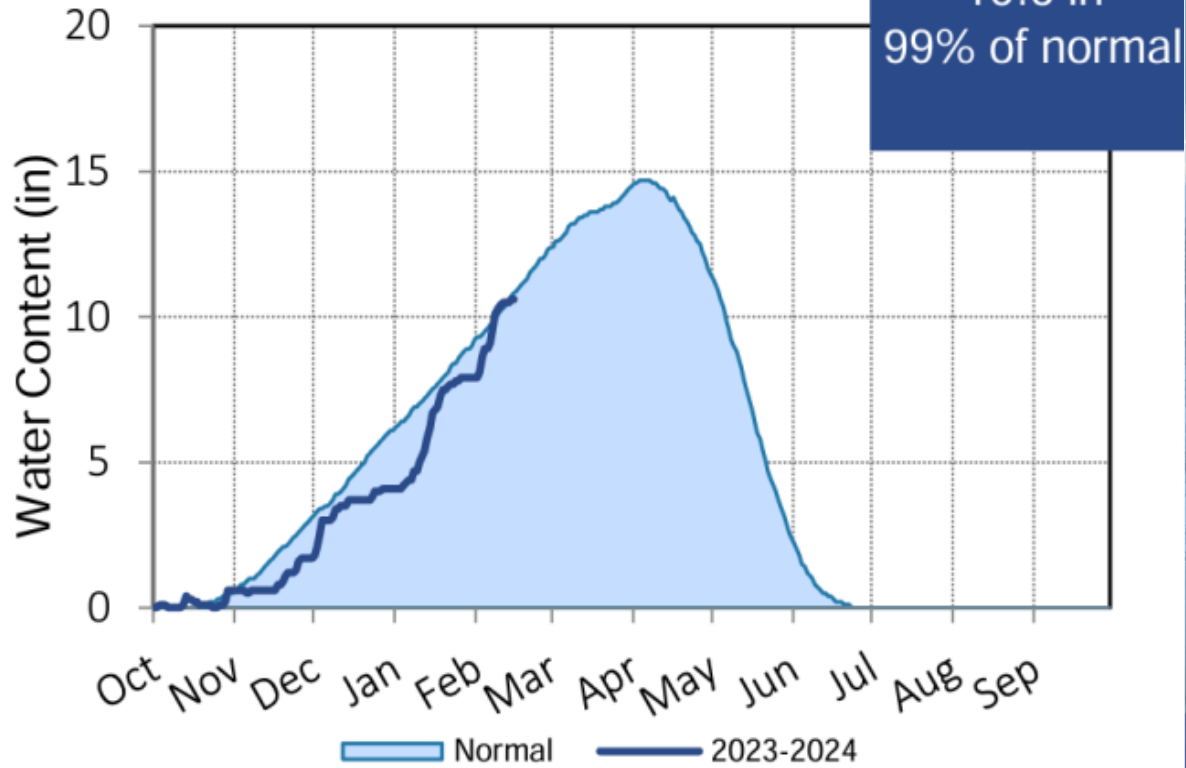


Imported Supply Watershed Conditions Continuing to Develop



Imported Supply Watershed Conditions Continuing to Develop

Upper Colorado Snowpack

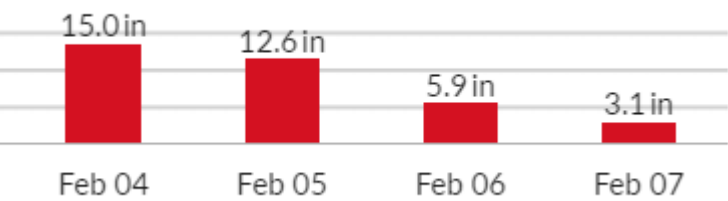


February 14, 2024

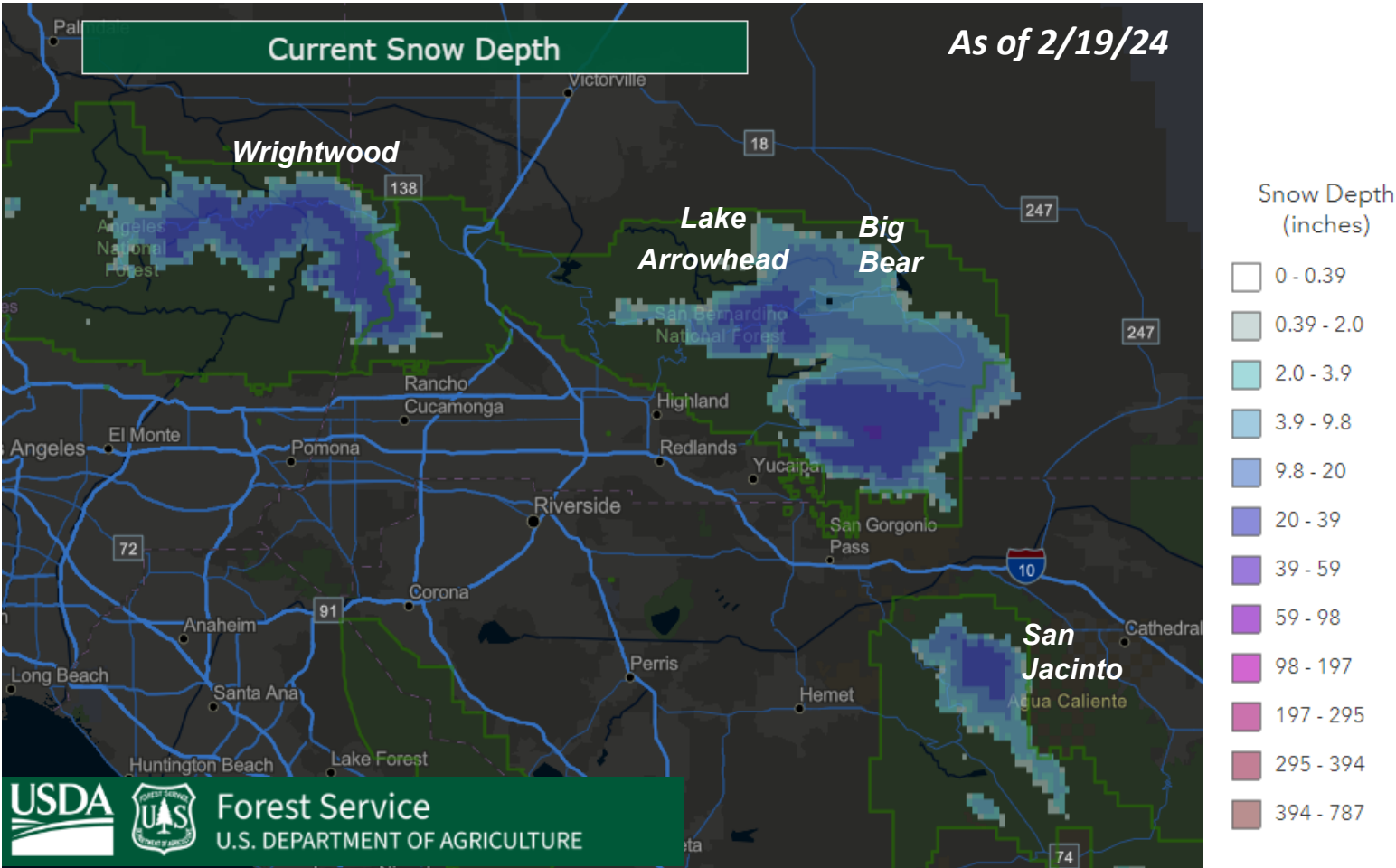
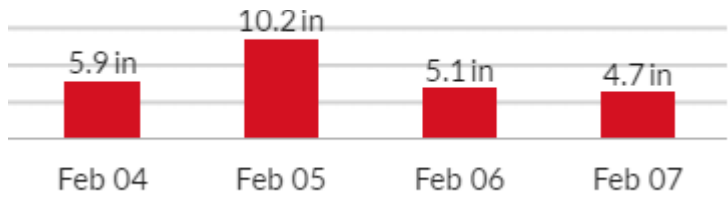


RECENT LOCAL SNOW

Wrightwood:



Big Bear:



www.snow-forecast.com

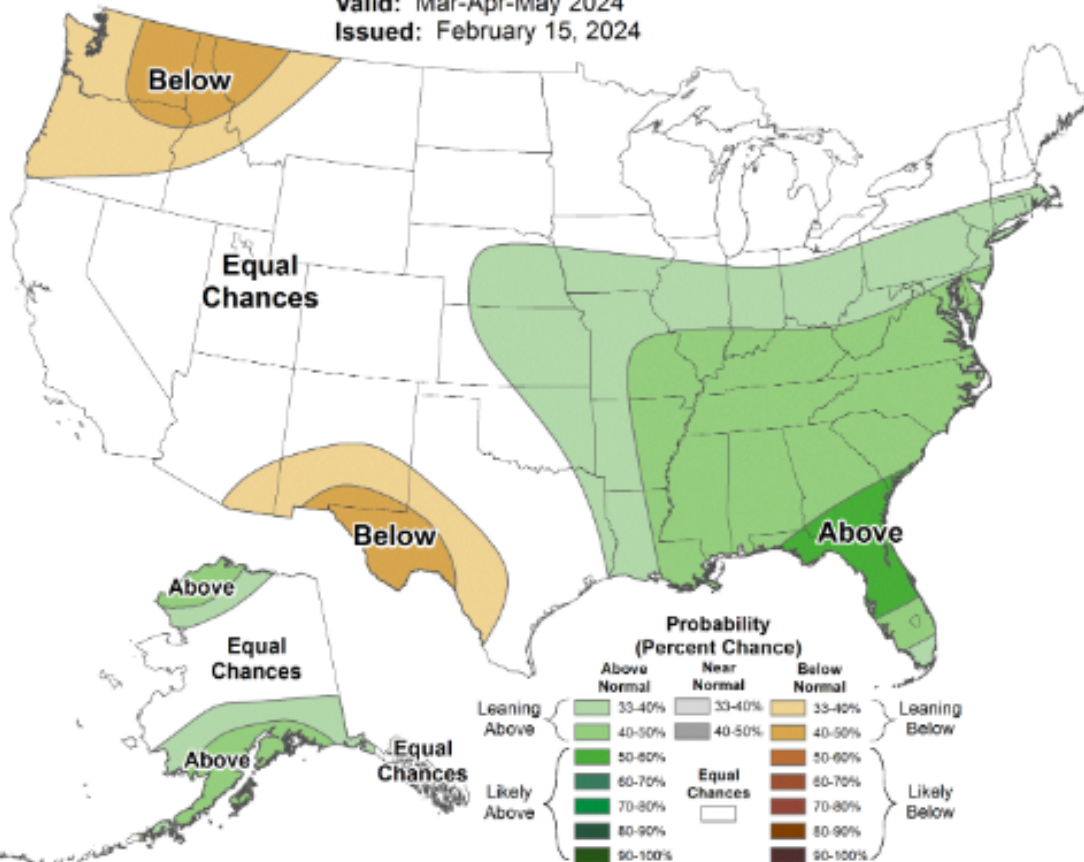
www.fs.usda.gov

SEASONAL OUTLOOK: *MARCH TO MAY*



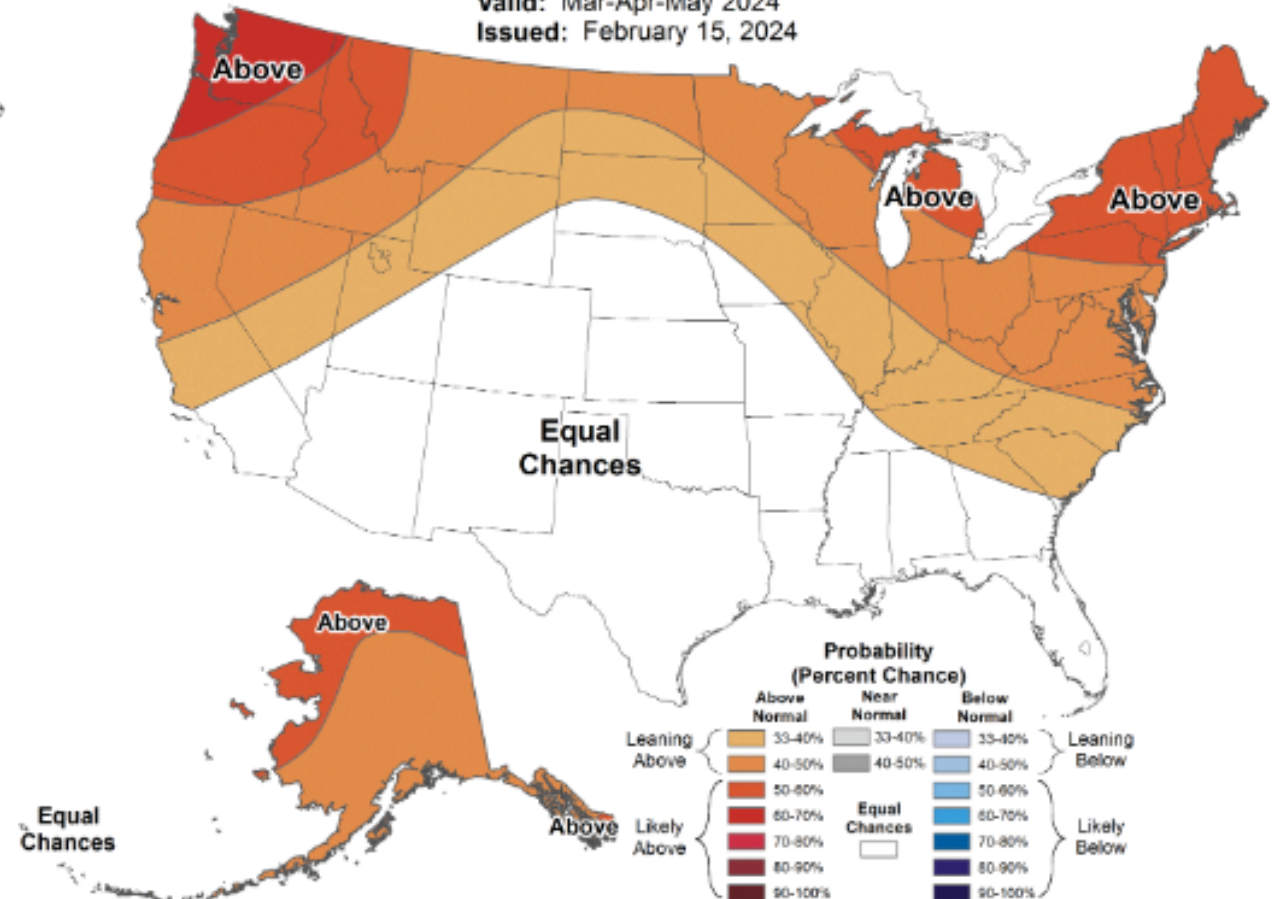
Seasonal Precipitation Outlook

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



Seasonal Temperature Outlook

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

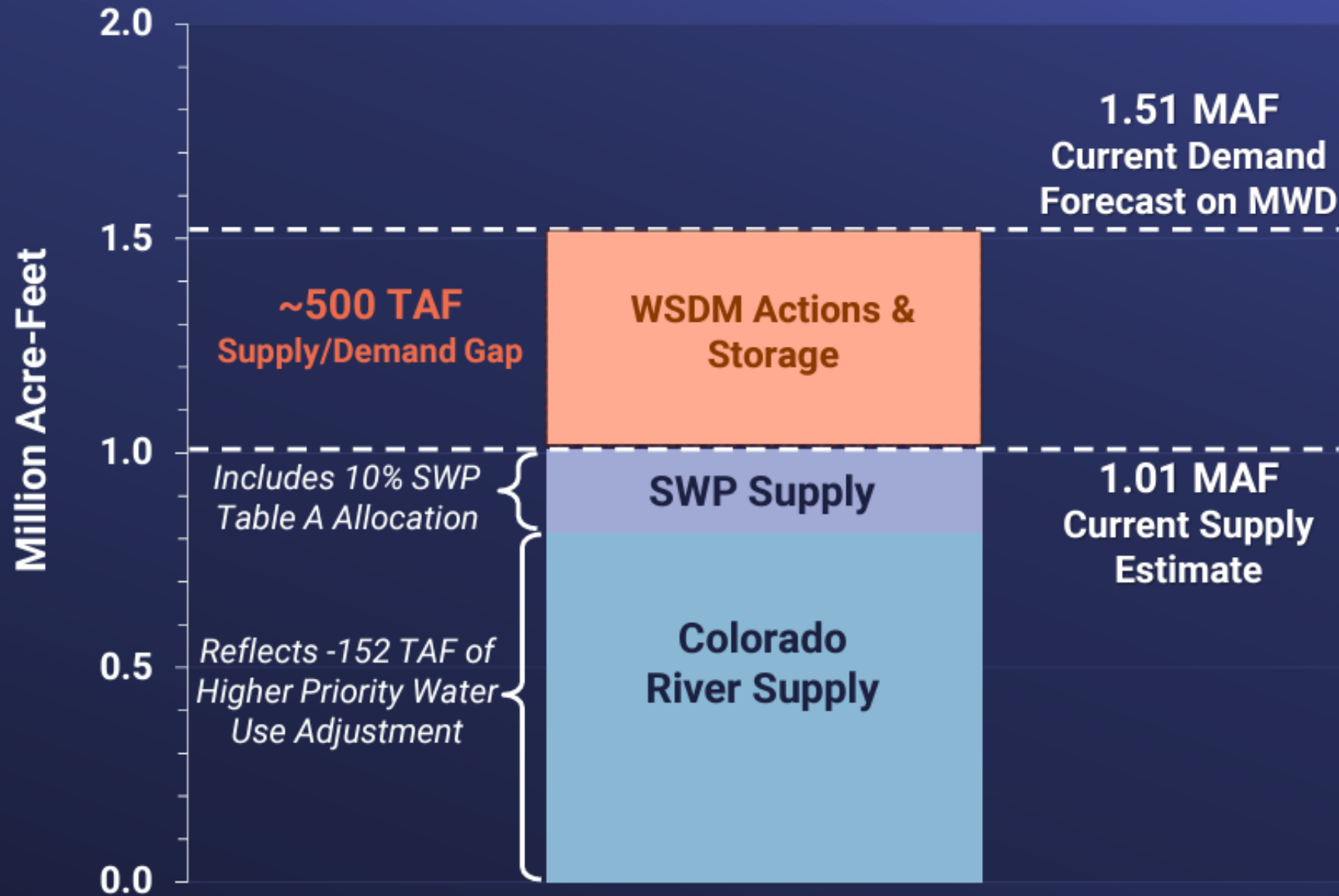


Source: www.cpc.ncep.noaa.gov

2024 Water Surplus & Drought Management

Credit: Department of Water Resources

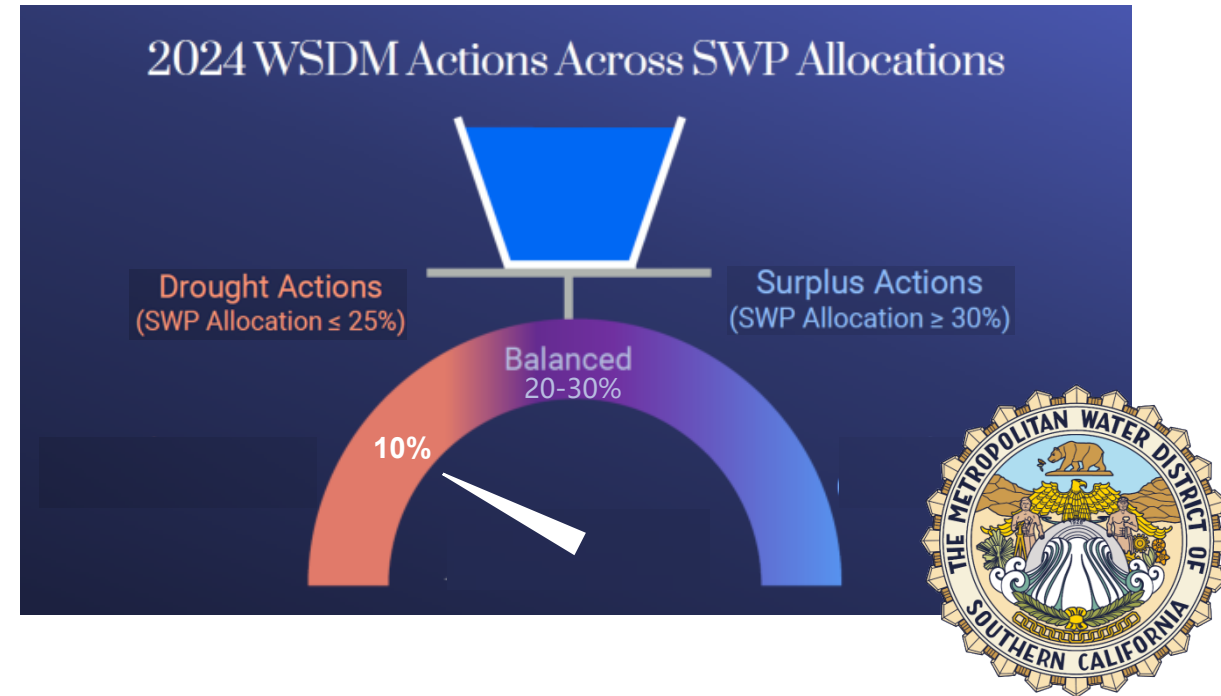
2024 Water Supply/Demand Balance: **Regional View**



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!

