



April 2024

Current Reservoir Volumes at FIIP

Skye Cooley, FIIP Hydrologist

40 60 80 100 120 140 160 180 -160 -140 -120 -100 -80 -60 -40 -20 0

El Nino Ocean Conditions in 2024

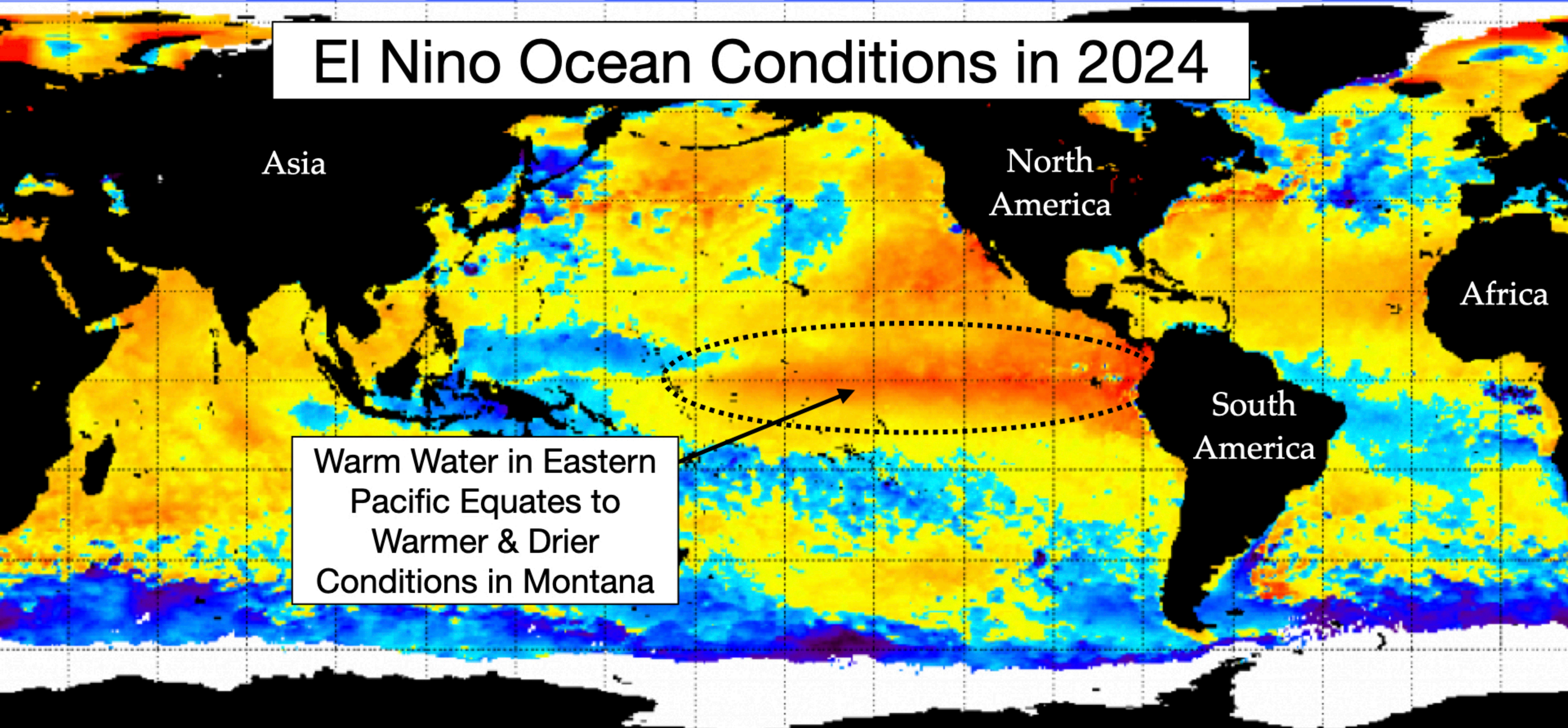
Asia

North
America

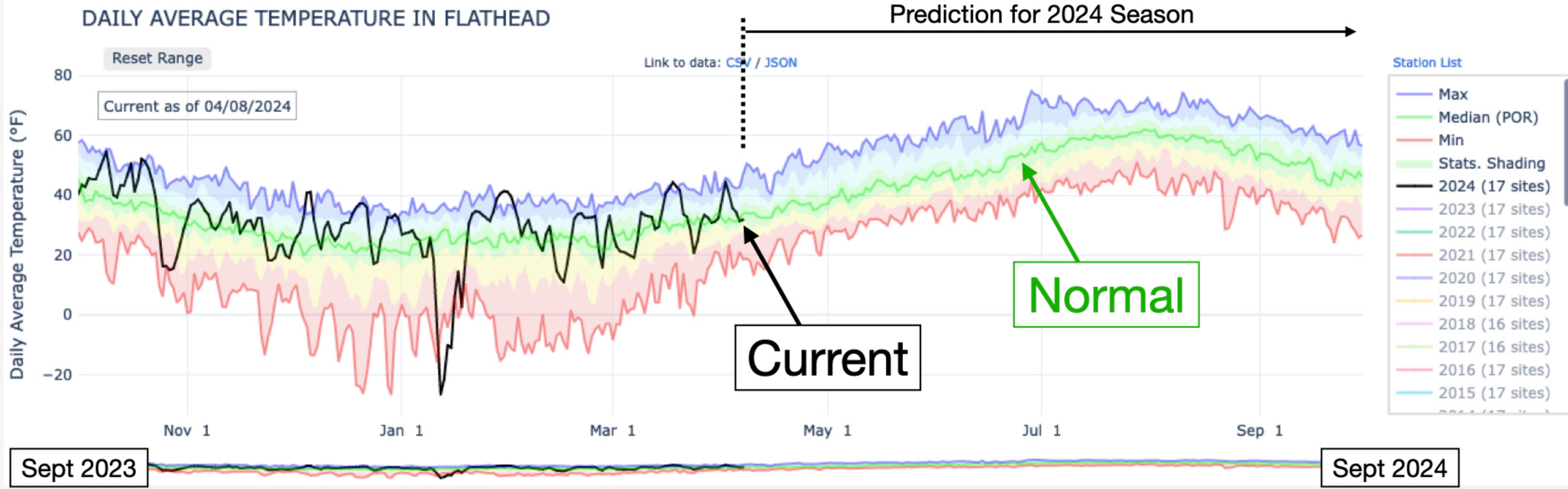
Africa

South
America

Warm Water in Eastern
Pacific Equates to
Warmer & Drier
Conditions in Montana



Temperature: Slightly Higher Than Normal



Statistical shading percentiles are calculated from period of record (POR) data, excluding the current water year. Percentile categories range from: minimum to 10th percentile , 10th - 30th , 30th - 70th , 70th - 90th , and 90th - maximum.

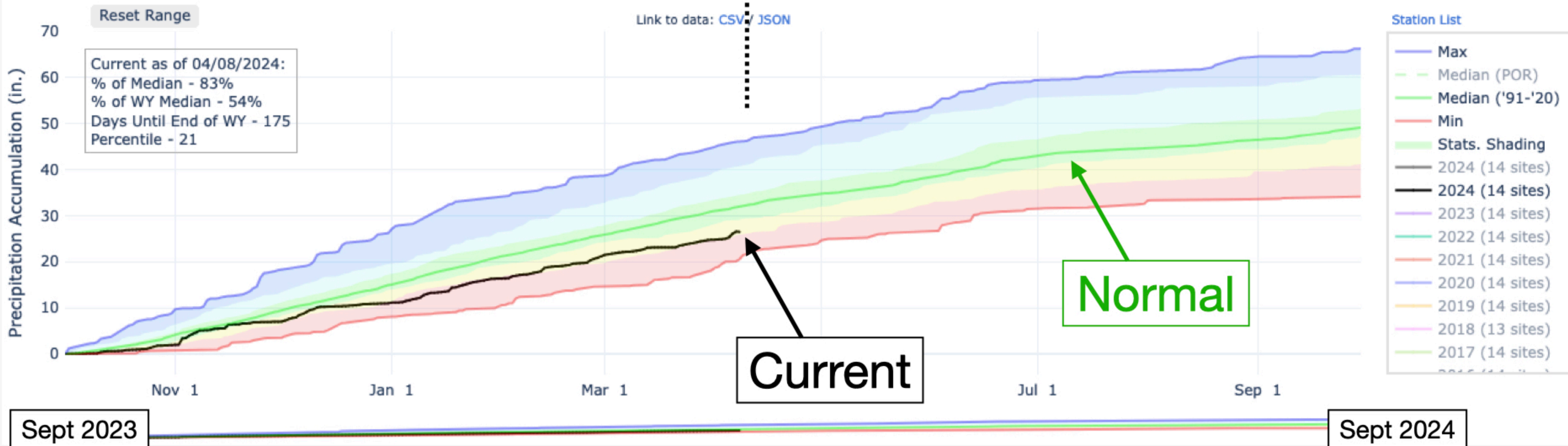
For more information visit: [30-Year Hydroclimatic Normals](#)

Updated: Monday, Apr 08, 2024 05 AM CST

Precipitation: Below Normal

PRECIPITATION ACCUMULATION IN FLATHEAD

Prediction for 2024 Season



Statistical shading percentiles are calculated from period of record (POR) data, excluding the current water year. Percentile categories range from: minimum to 10th percentile, 10th - 30th, 30th - 70th, 70th - 90th, and 90th - maximum.

For more information visit: [30-Year Hydroclimatic Normals](#)

Updated: Monday, Apr 08, 2024 07 AM CST

Typical Wintertime Pattern

El Niño

Warm Water in Eastern Pacific Equates to Warmer & Drier Conditions in Montana

Warm

Montana

Low Pressure



Polar Jet Stream

Wet

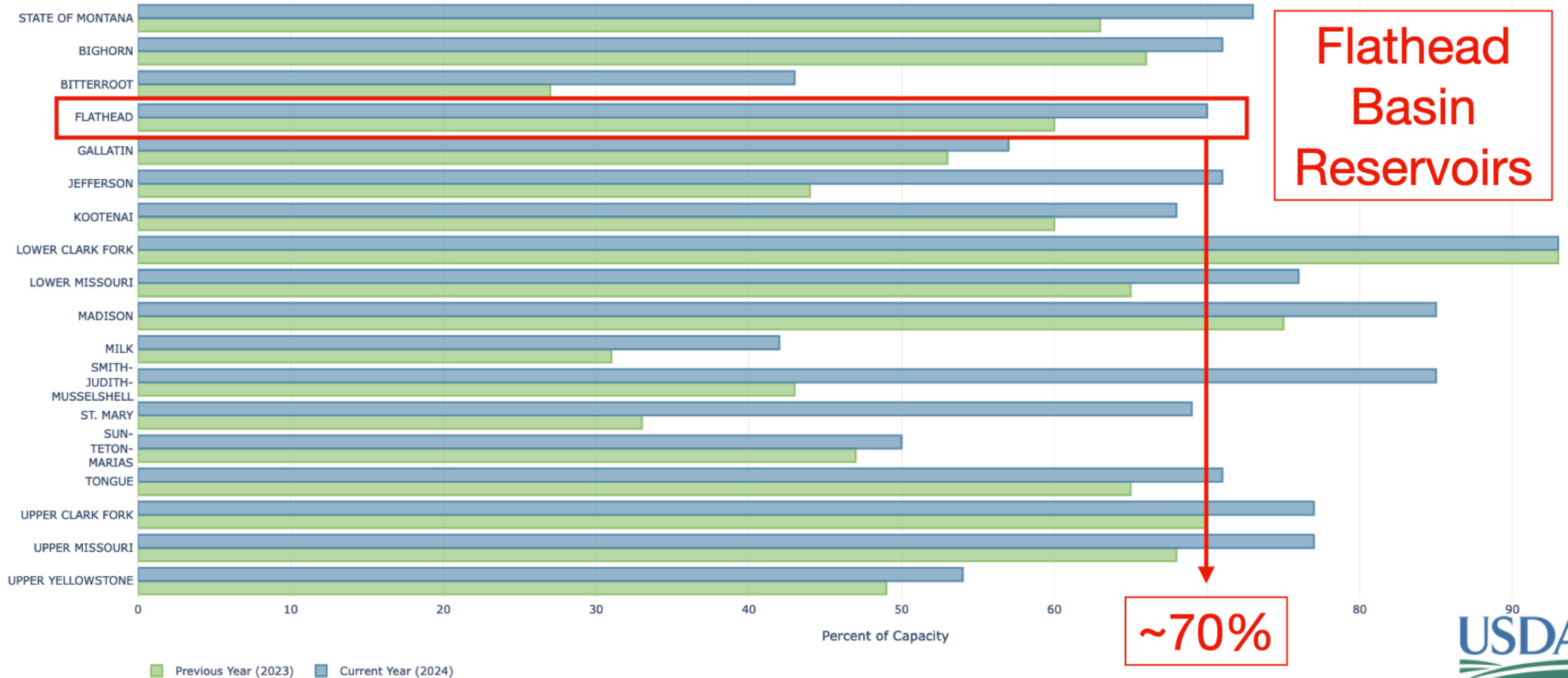
Wet & Cool

Persistent, Extended Pacific Jet Stream & Amplified Storm Track

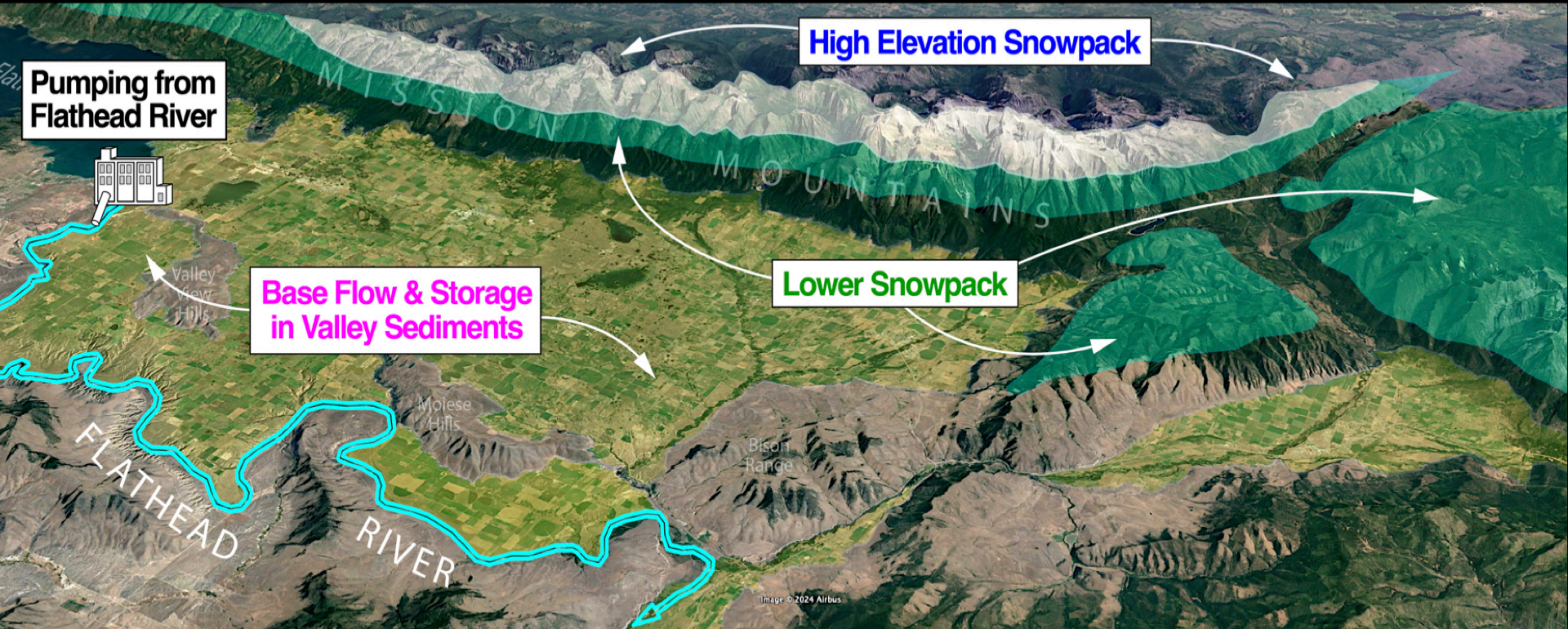


Comparing Reservoir Volumes Around Montana

RESERVOIR STORAGE IN MONTANA
END OF MARCH 2024

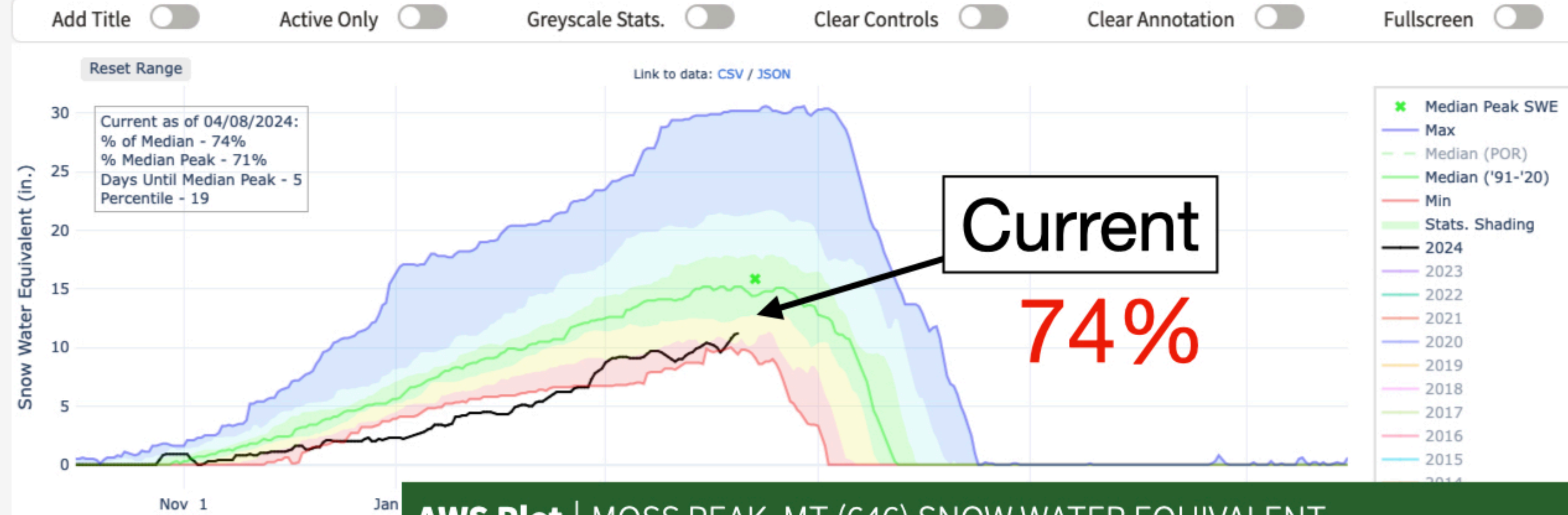


Mission Valley Water = Snowpack + Base Flow + Pumping



AWS Plot | SLEEPING WOMAN, MT (783) SNOW WATER EQUIVALENT

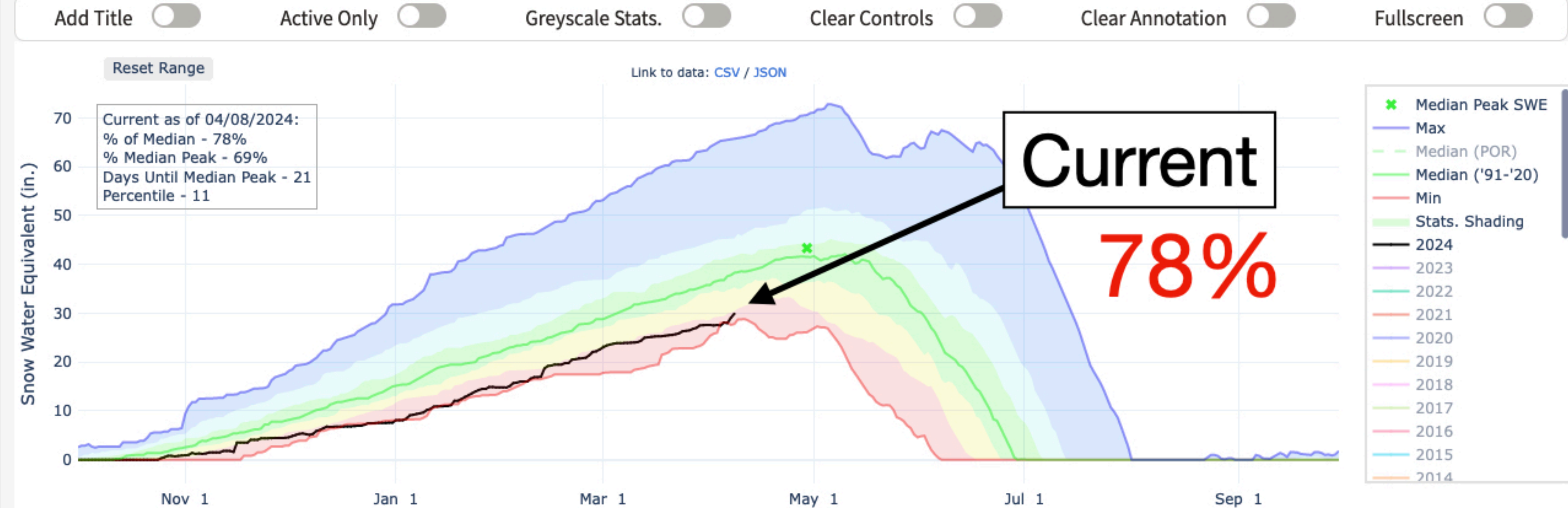
NWCC Home Site Plots Basin Plots Interactive Map Report Generator Update Reports Forecast Plots Webservices Contact Us

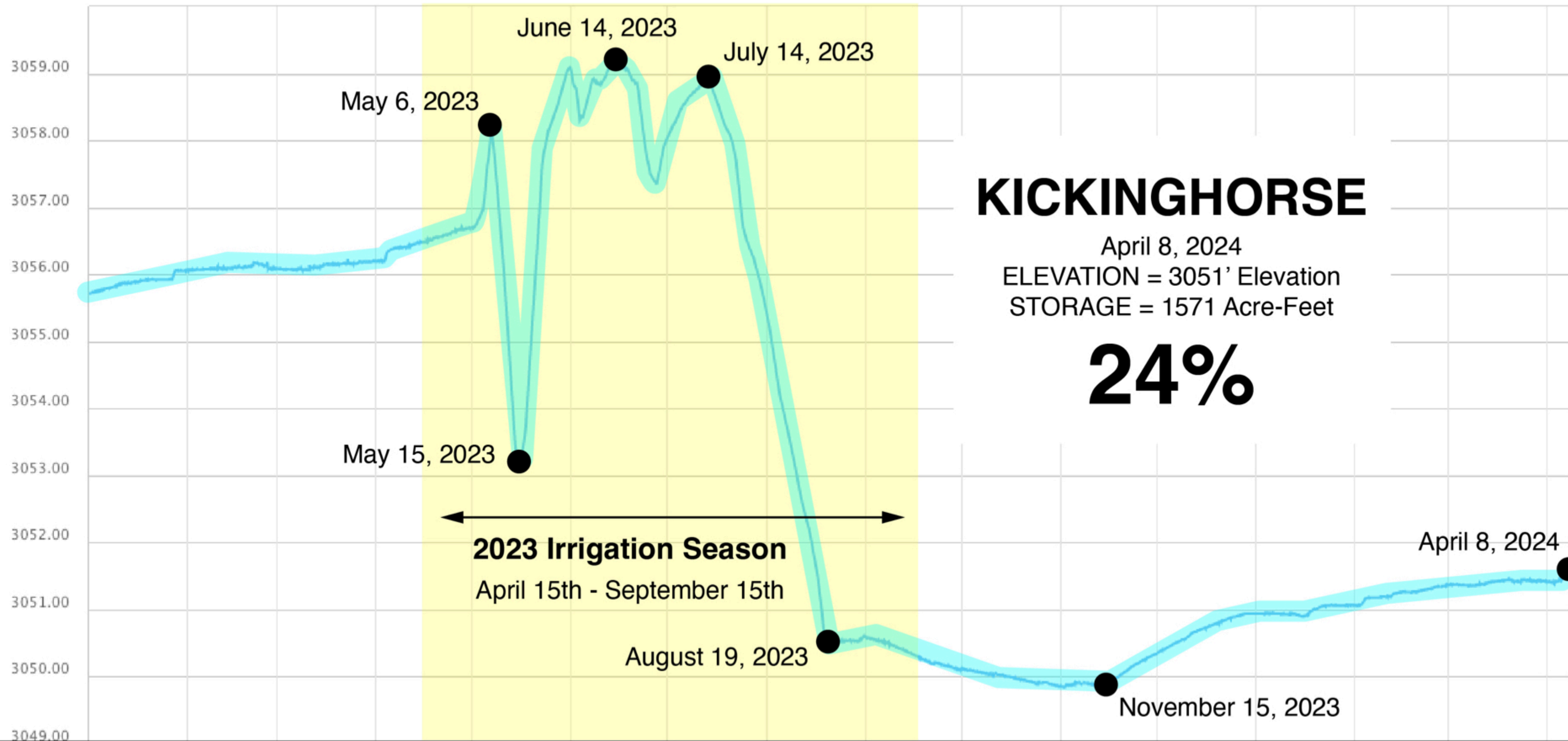


SNOTEL Snowpack Conditions

AWS Plot | MOSS PEAK, MT (646) SNOW WATER EQUIVALENT

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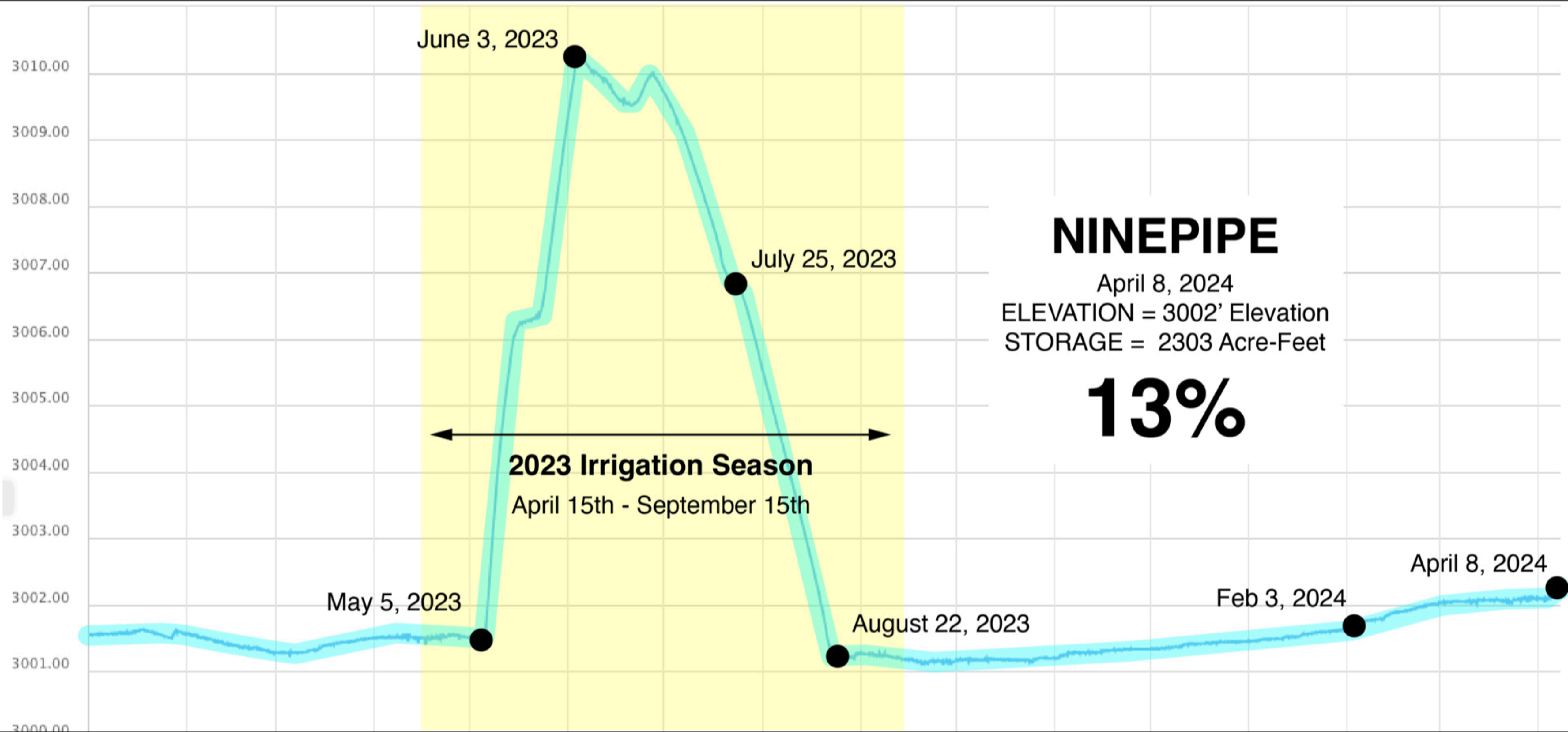


KICKINGHORSE

April 8, 2024
ELEVATION = 3051' Elevation
STORAGE = 1571 Acre-Feet

24%

2023 Irrigation Season
April 15th - September 15th



NINEPIPE

April 8, 2024
ELEVATION = 3002' Elevation
STORAGE = 2303 Acre-Feet

13%

June 3, 2023

July 25, 2023

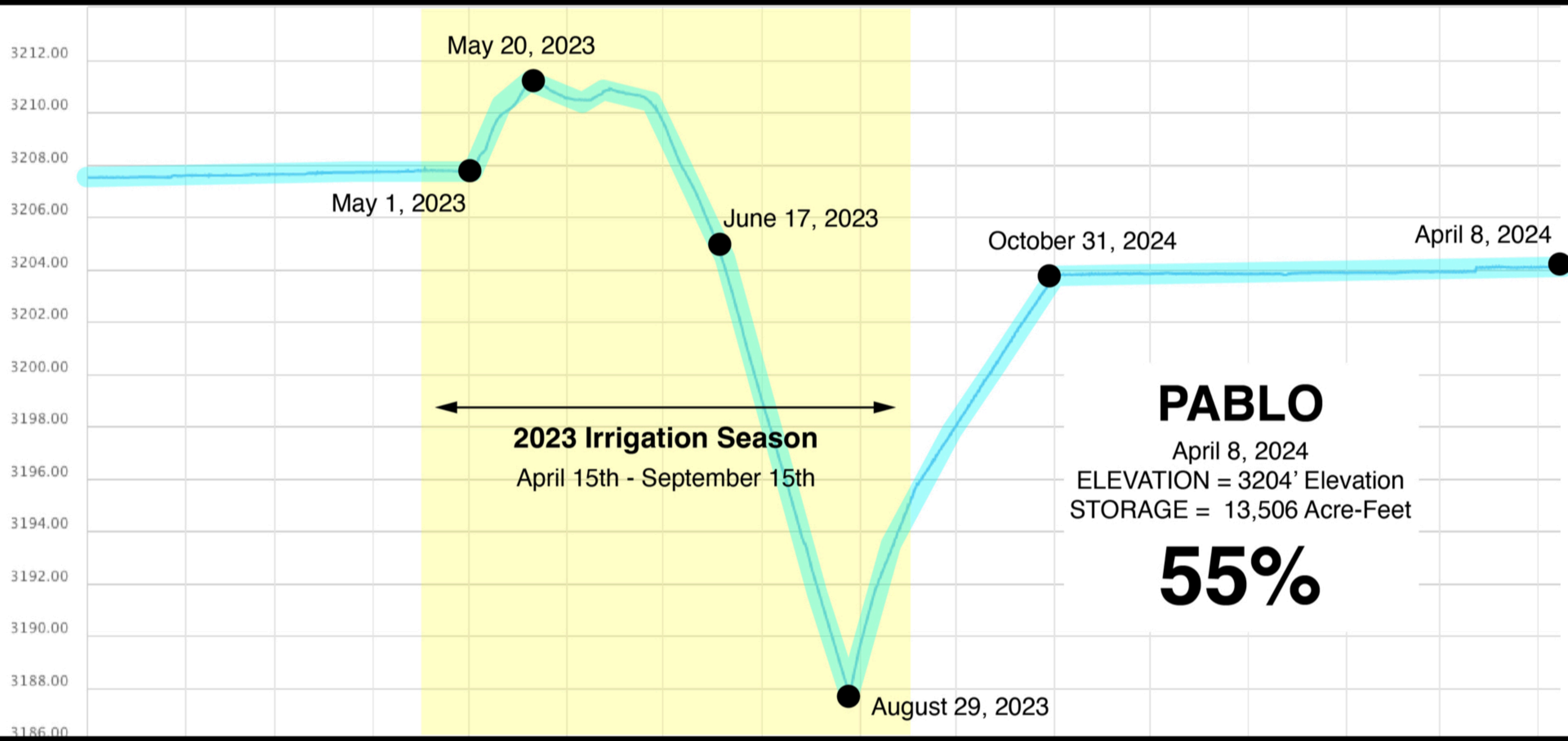
May 5, 2023

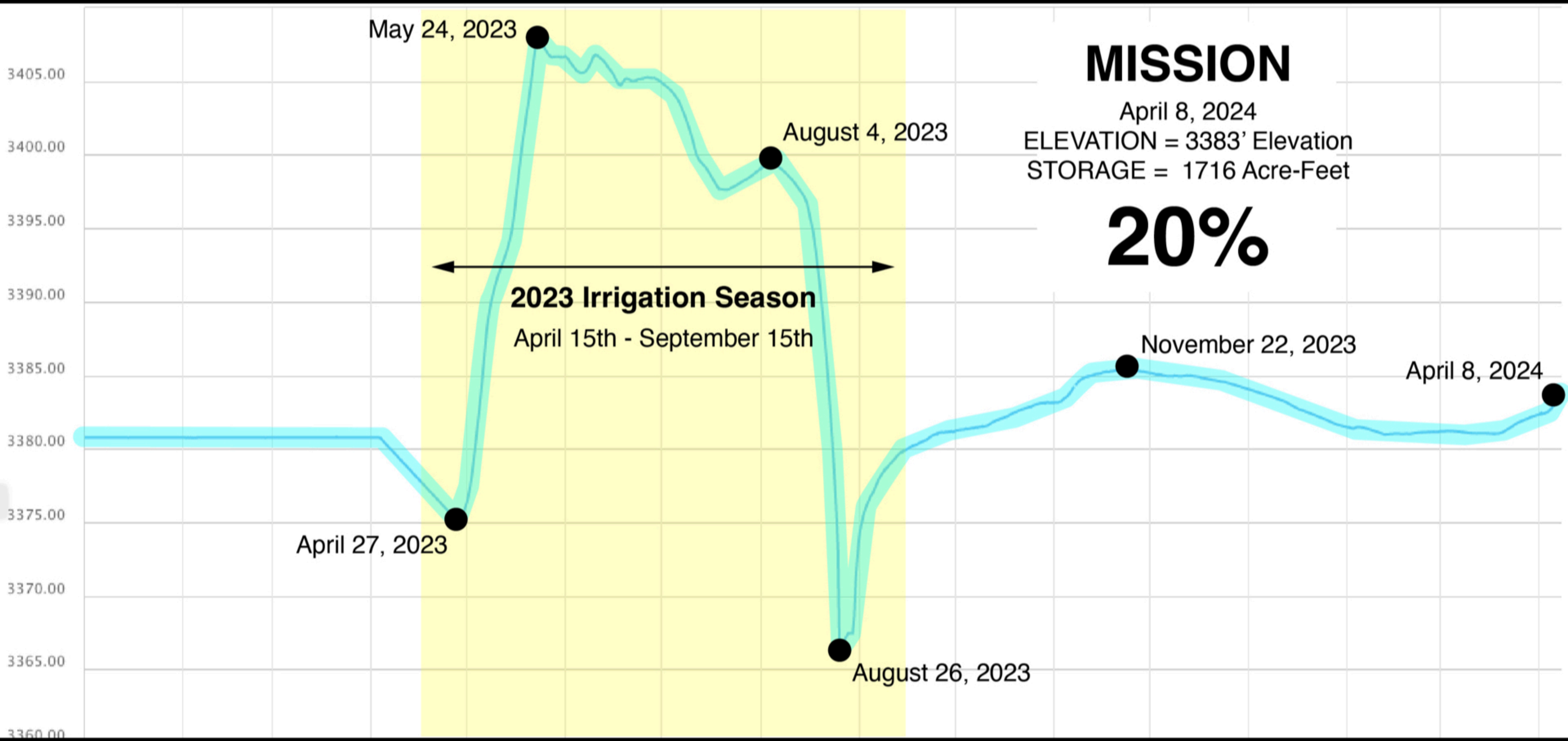
August 22, 2023

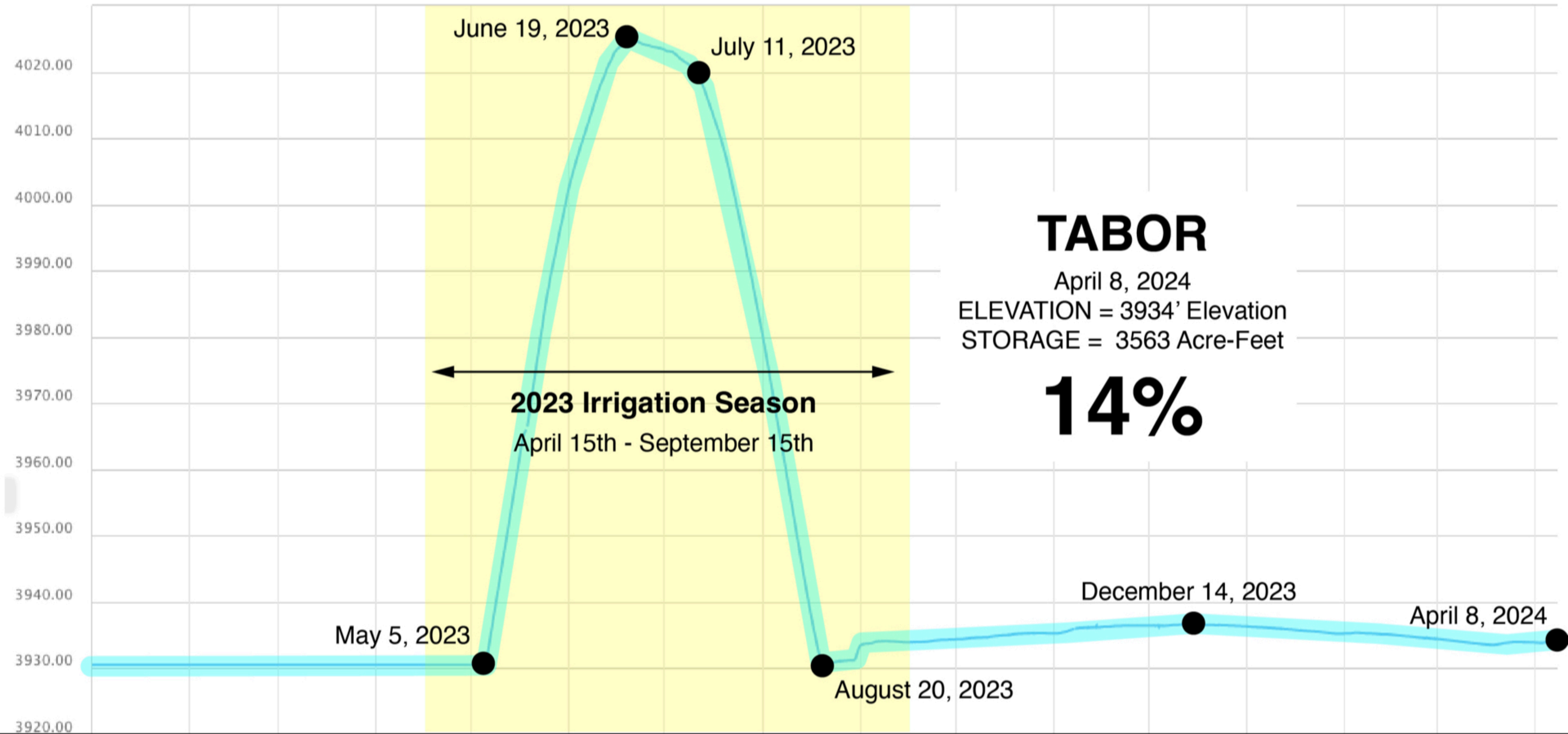
Feb 3, 2024

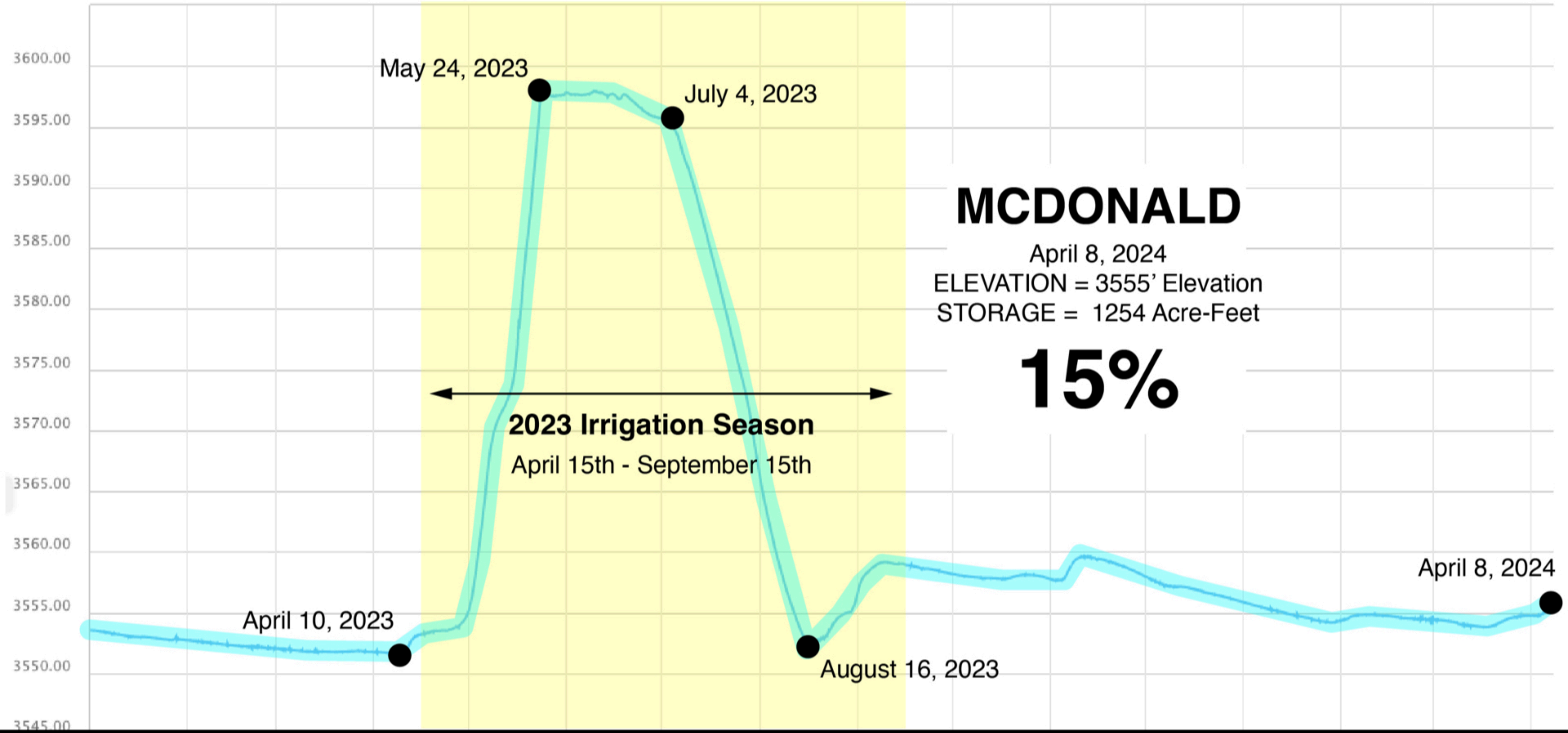
April 8, 2024

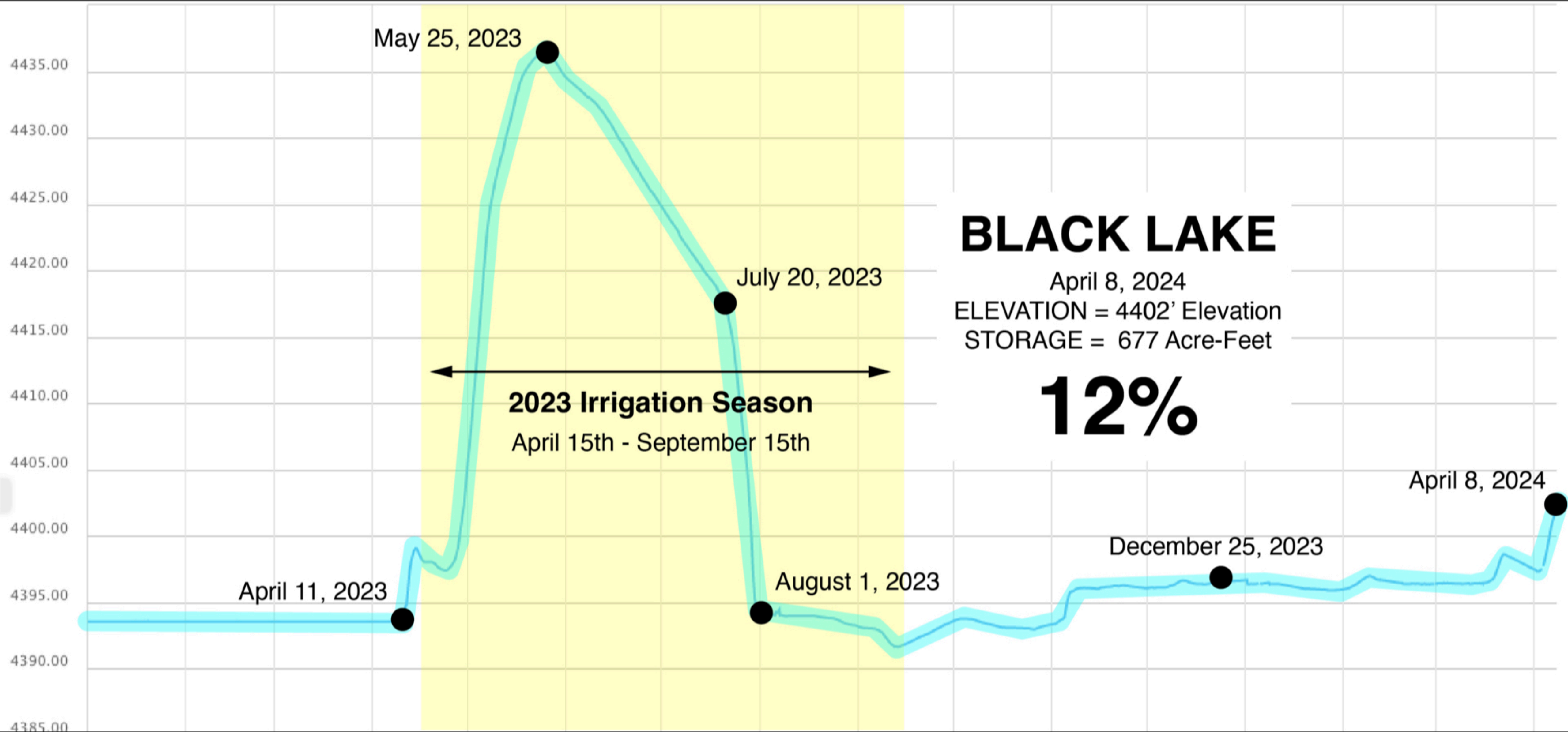
2023 Irrigation Season
April 15th - September 15th











BLACK LAKE

April 8, 2024
ELEVATION = 4402' Elevation
STORAGE = 677 Acre-Feet

12%

May 25, 2023

July 20, 2023

2023 Irrigation Season
April 15th - September 15th

April 11, 2023

August 1, 2023

December 25, 2023

April 8, 2024

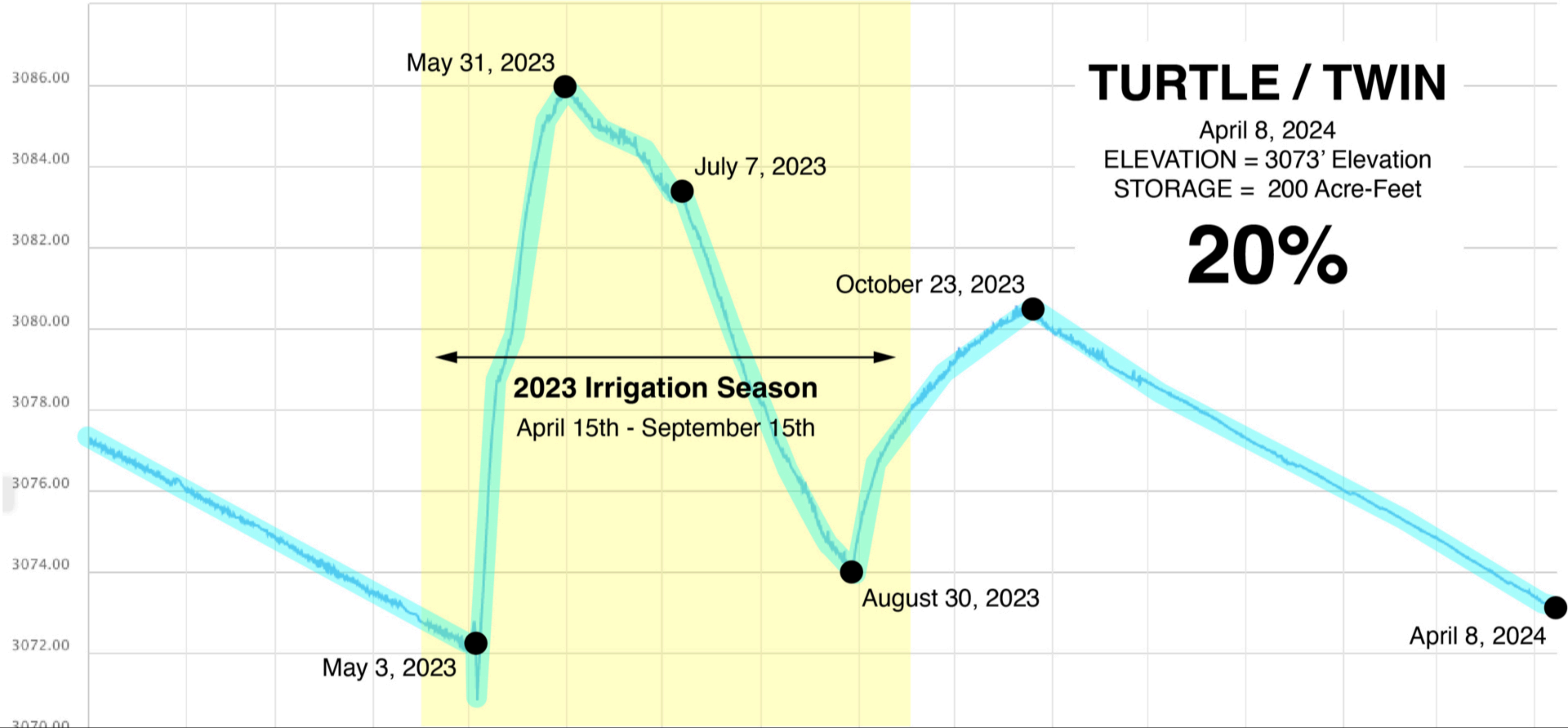
TURTLE / TWIN

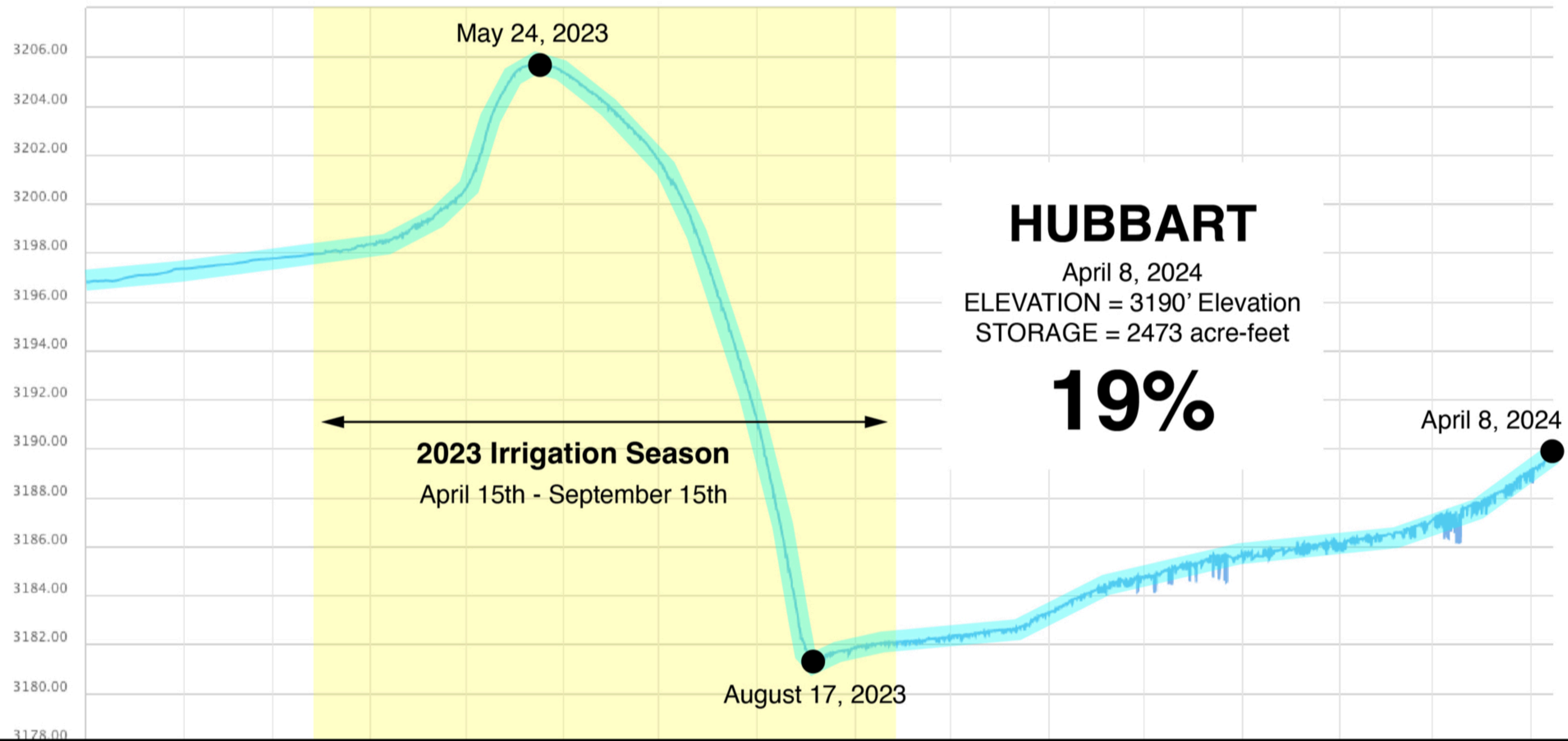
April 8, 2024

ELEVATION = 3073' Elevation

STORAGE = 200 Acre-Feet

20%





Thank You Water Users !

Data Sources:

National Weather Service (NWS)

National Oceanic and Atmospheric Administration (NOAA)

Natural Resources Conservation Service (NRCS)

CSKT Water Data Portal