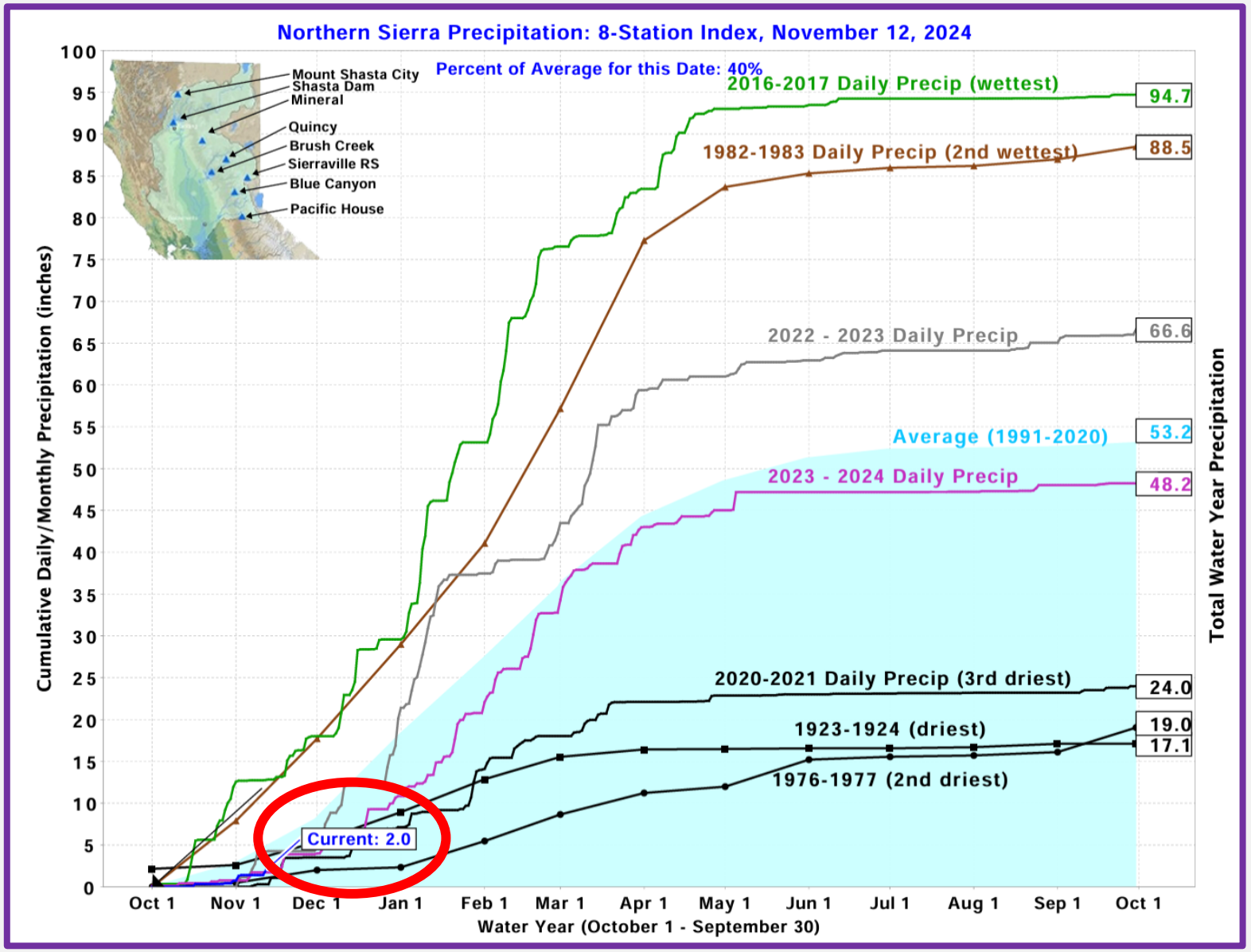
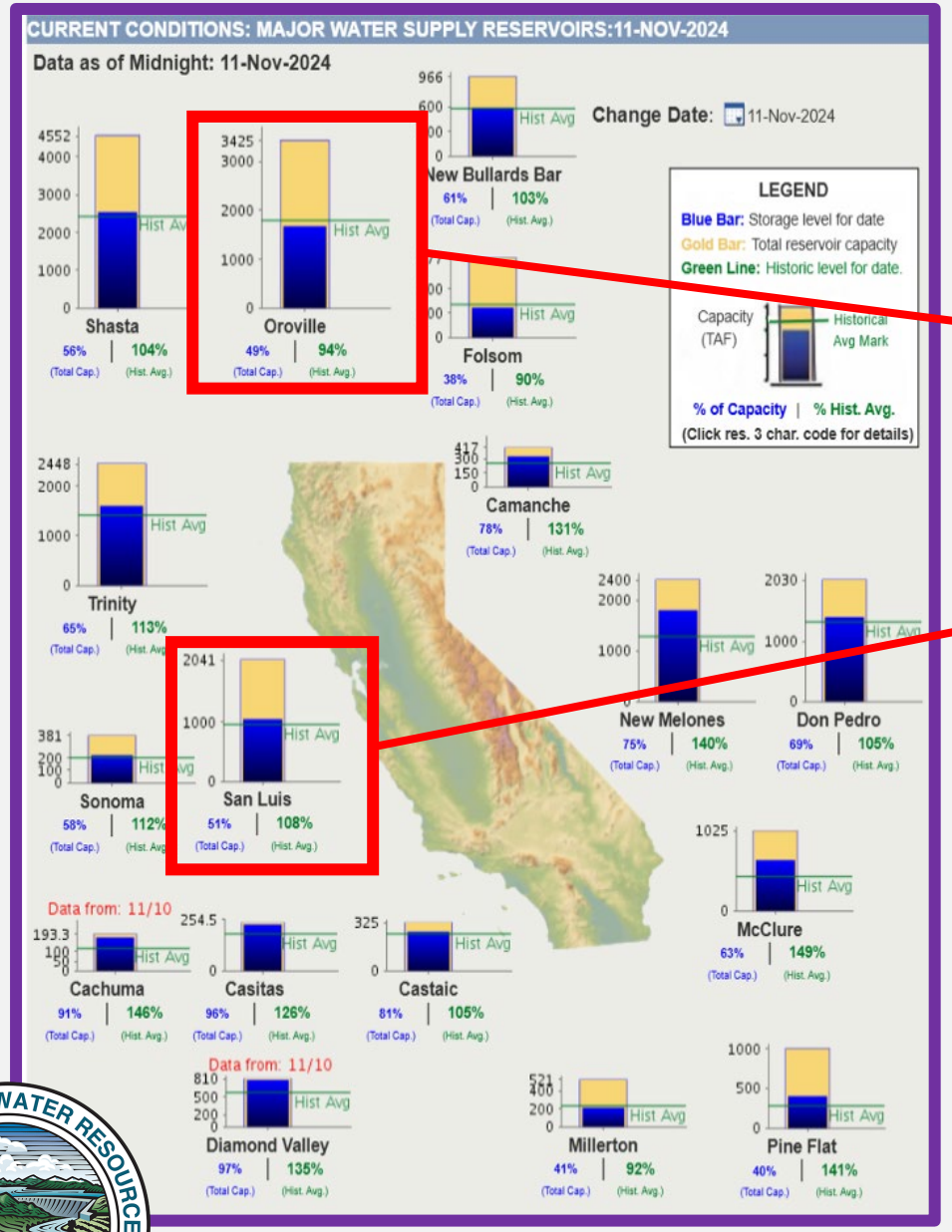
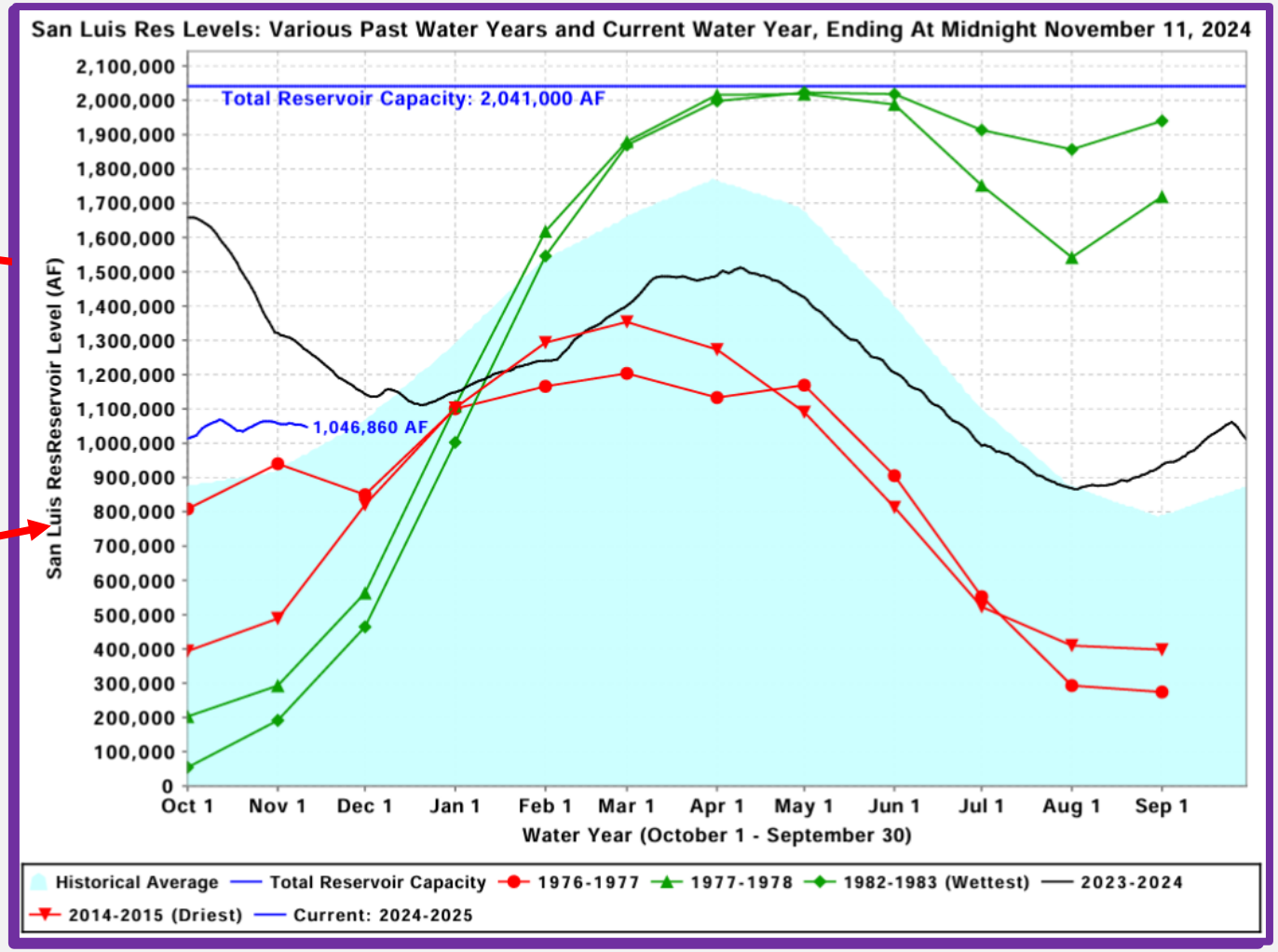
Water Conditions Report

Board of Directors Meeting
November 18, 2024

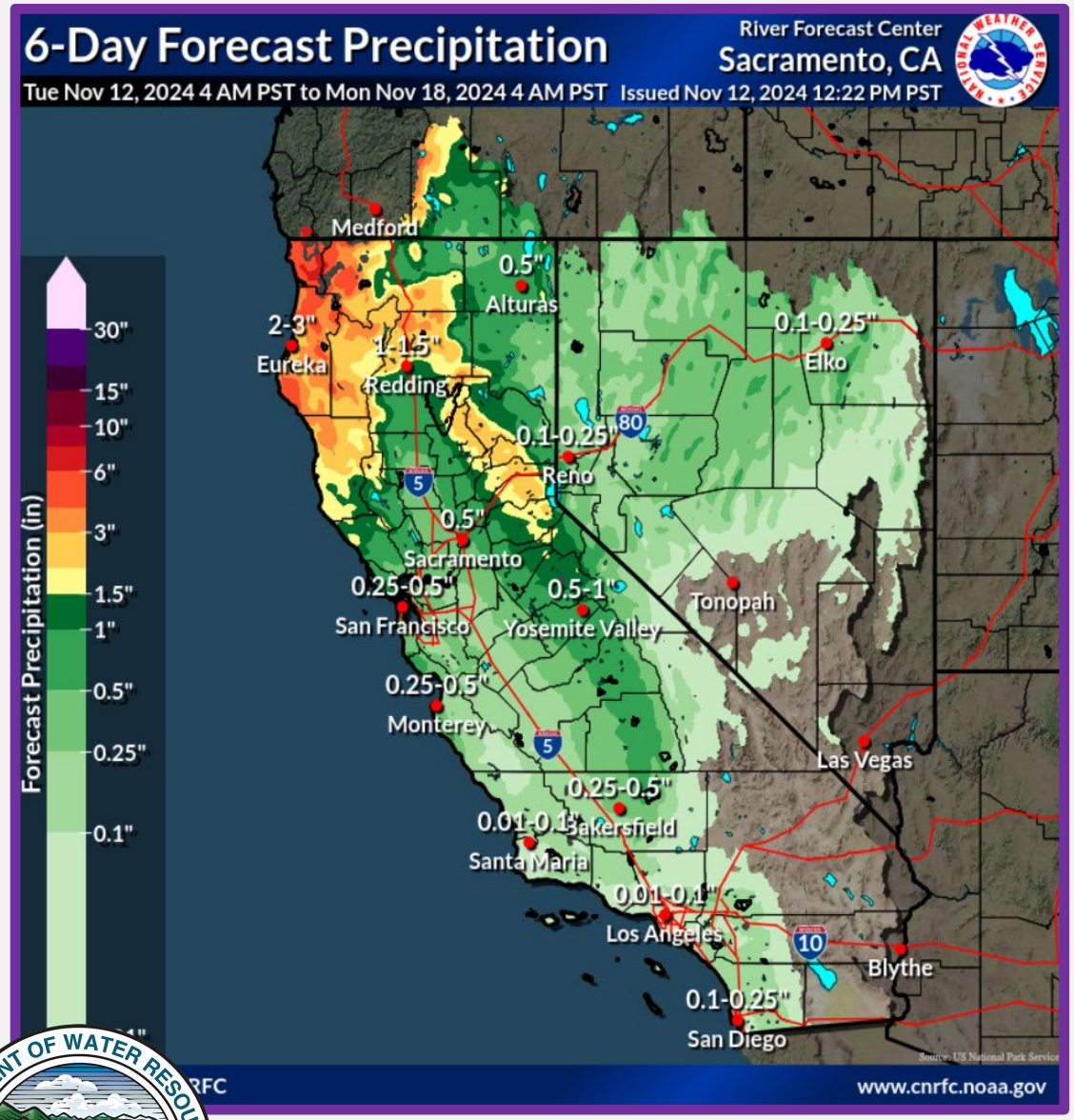


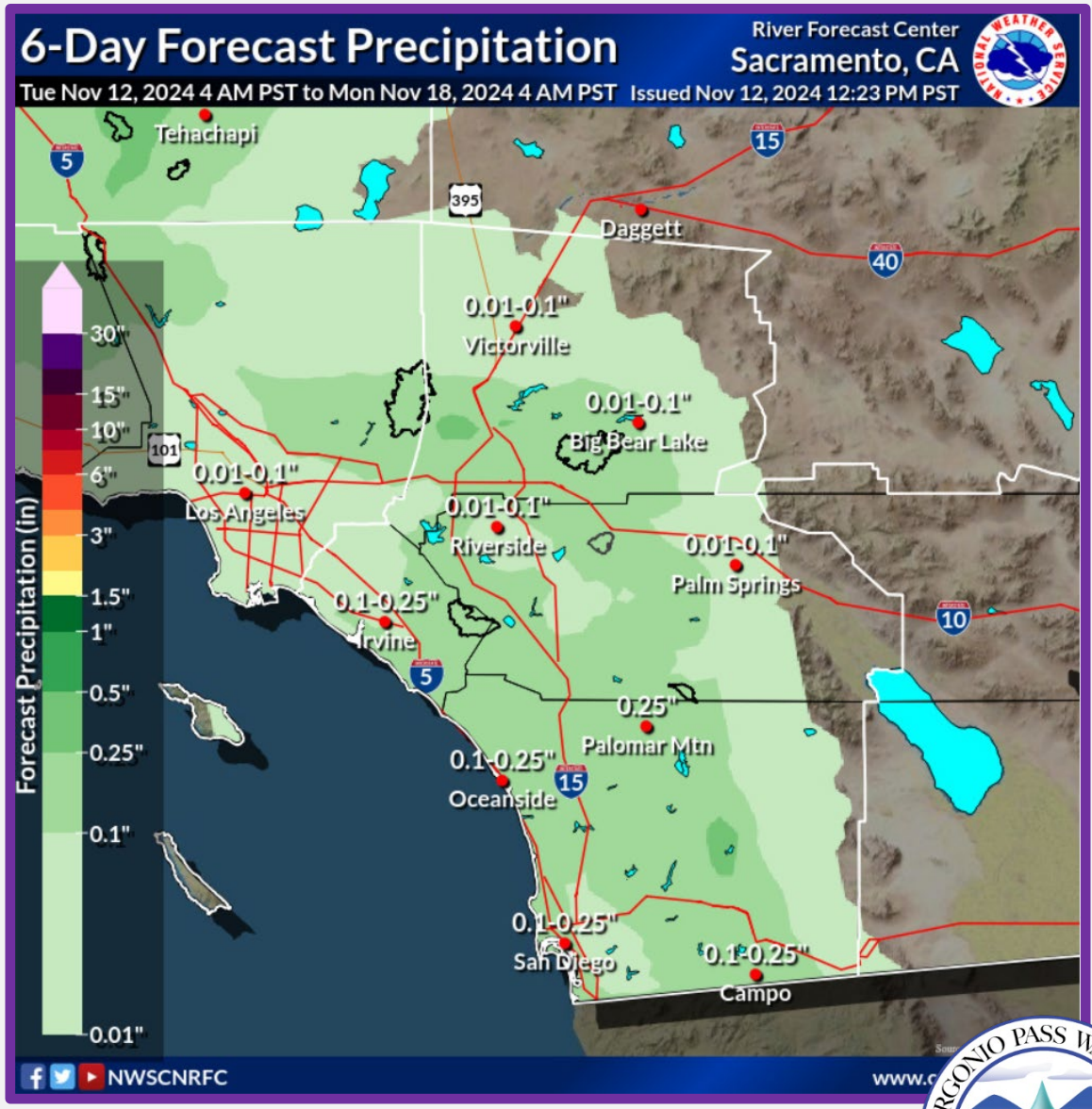
State Precipitation Stations – North Sierra





Current Reservoir Conditions



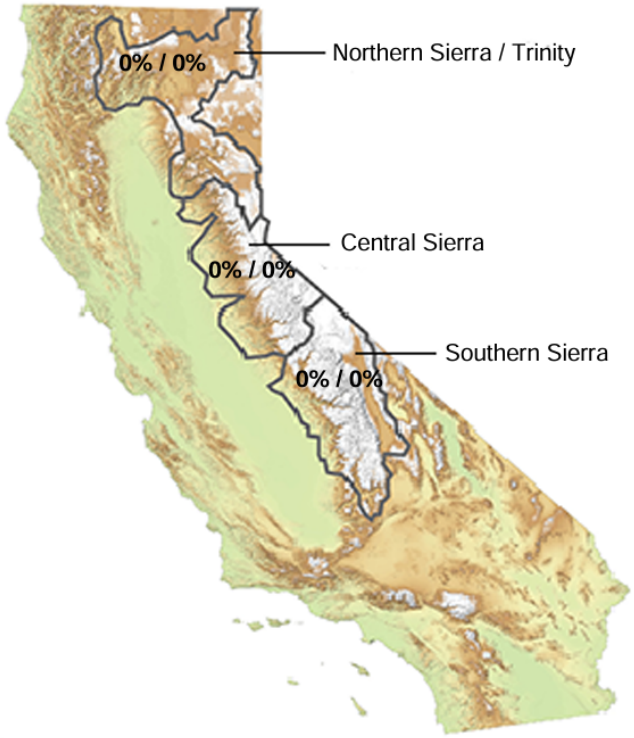


Forecasted Hydrologic Conditions

Snow near Lake Oroville 11-11-2024

CURRENT REGIONAL SNOWPACK FROM AUTOMATED SNOW SENSORS

% of April 1 Average / % of Normal for This Date



NORTH	
Data as of September 10, 2024	
Number of Stations Reporting	23
Average snow water equivalent (Inches)	0.0
Percent of April 1 Average (%)	0
Percent of normal for this date (%)	0

CENTRAL	
Data as of September 10, 2024	
Number of Stations Reporting	35
Average snow water equivalent (Inches)	0.0
Percent of April 1 Average (%)	0
Percent of normal for this date (%)	0

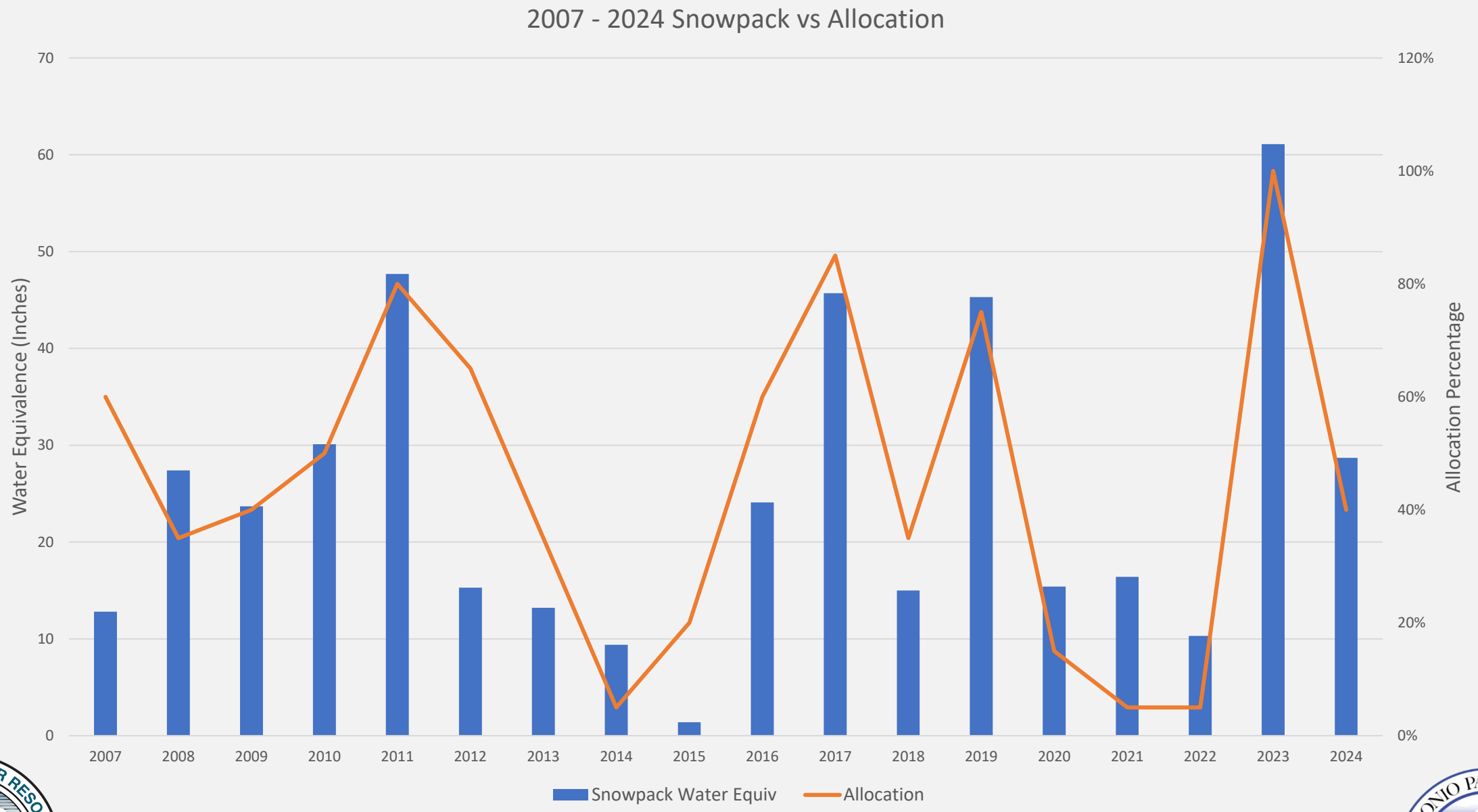
SOUTH	
Data as of September 10, 2024	
Number of Stations Reporting	27
Average snow water equivalent (Inches)	0.0
Percent of April 1 Average (%)	0
Percent of normal for this date (%)	0

STATE	
Data as of September 10, 2024	
Number of Stations Reporting	85
Average snow water equivalent (Inches)	0.0
Percent of April 1 Average (%)	0
Percent of normal for this date (%)	0

Statewide Average: 0% / 0%

Current Statewide Snowpack Data

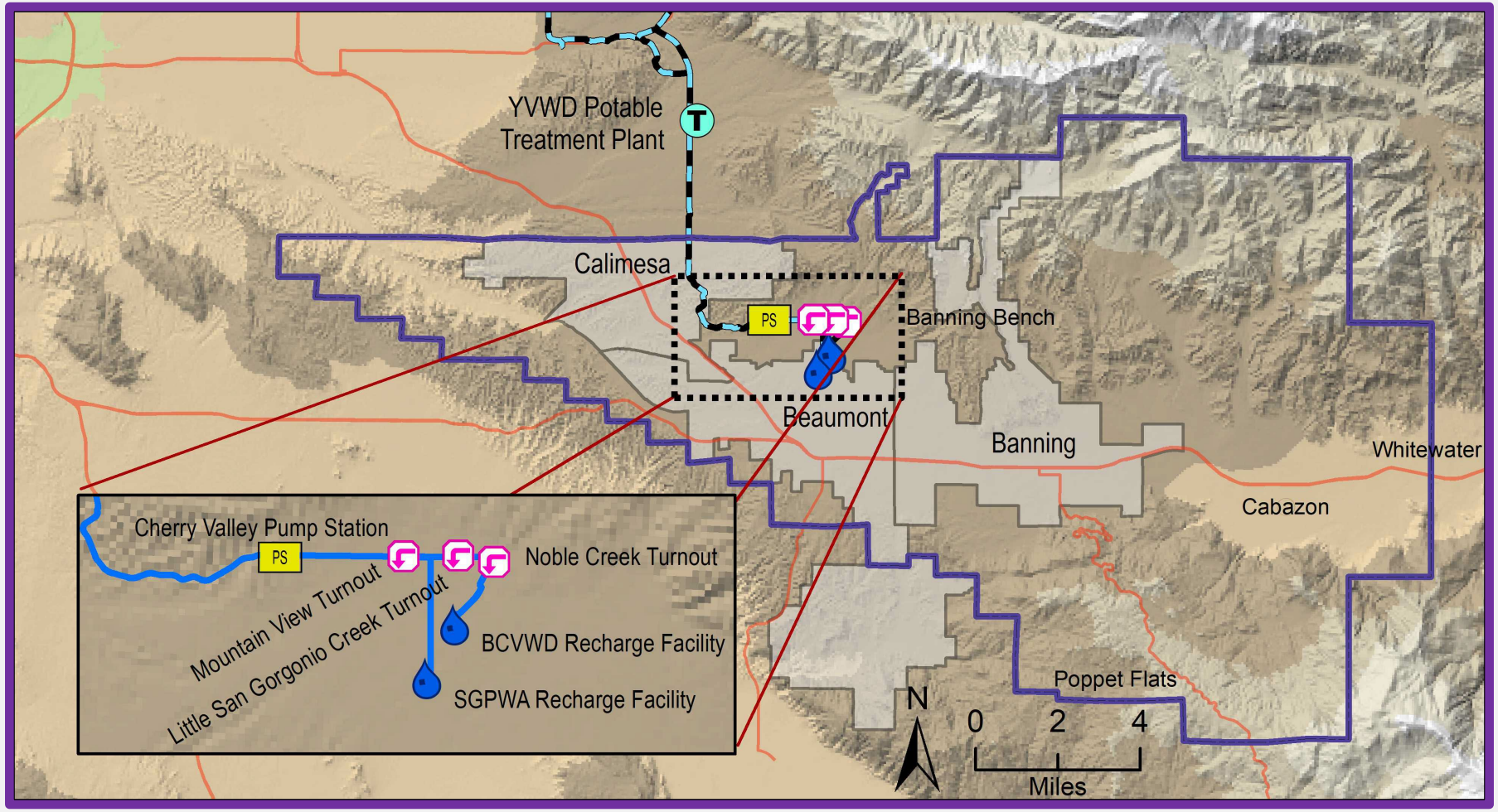
Snowpack Report



Snowpack vs Allocation Comparison

SGPWA Portfolio @ 40%	
Source	TOTAL (AF)
SWP – Carryover SGPWA	8,650
SWP – Carryover Ventura	4,178
SWP – Table A	6,920
SWP – Ventura	4,000
Non-SWP - Nickel Water	1,700
Subtotal Supply	25,448
Westside Transfer	(6,000)
Total Supply	19,448

2024 SWP Allocation & Portfolio Update



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total
Recharge	717	906	2,030	1,840	1,389	1,304	1,361	1,896	1,717	1,506	1,650		*16,316*
Direct	13	6	0	0	0	0	0	0	0	0	0		19

**Estimated*
**From Local Storage*

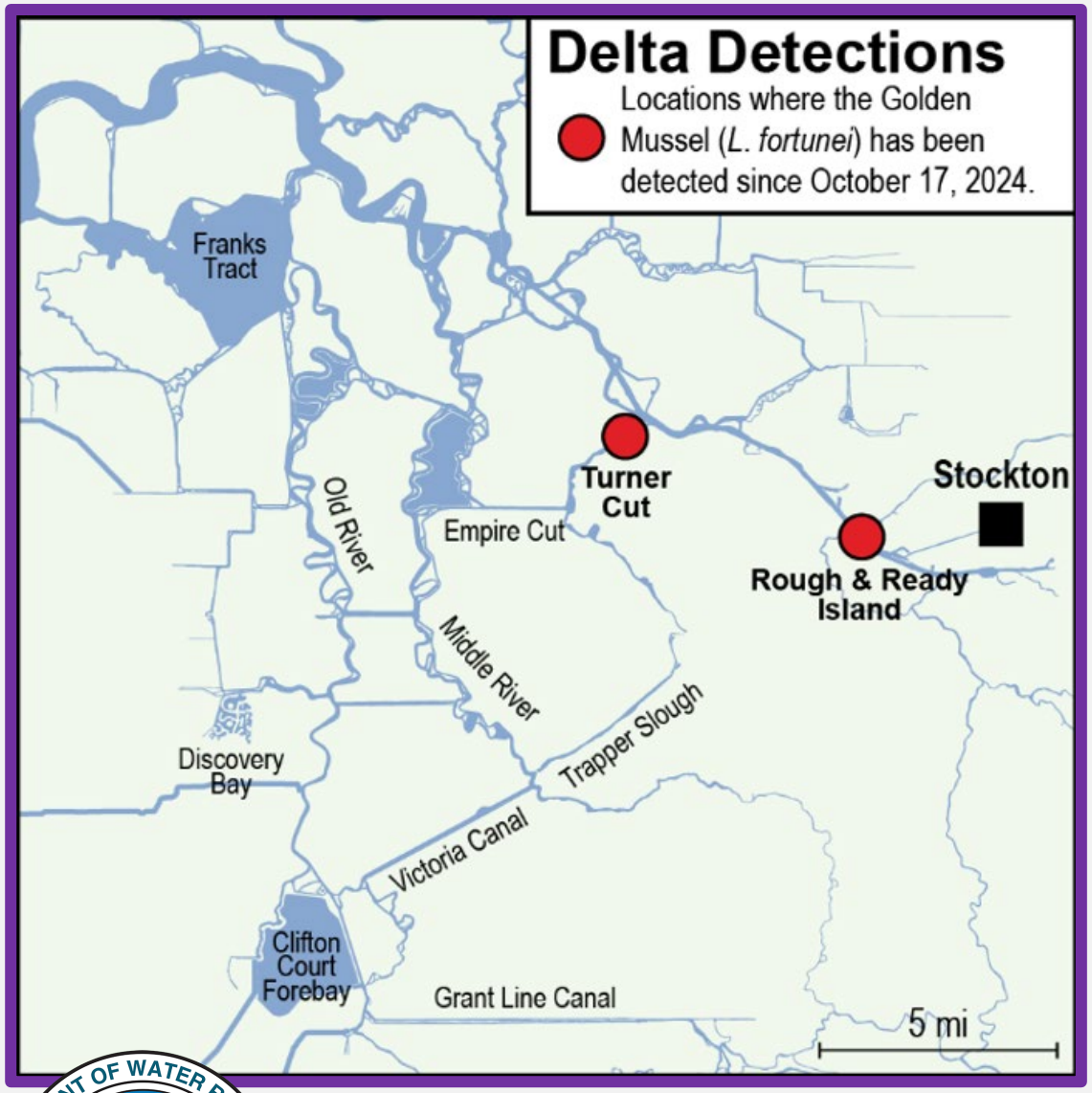
Local Deliveries 2024 (acre-feet)

Subject to Final Verification

Brookside East Recharge Facility

BCVWD Recharge Facilities

November Recharge Activities



- New invasive Mollusk (Golden Mussel) discovered in the Delta in October 2024
- First ever detection of the Golden Mussel in North America, originating from China and southeast Asia, and has been identified as one of the highest-risk invasive species globally
- The Golden Mussel Golden Mussels are capable of rapid spread (> 140 miles per year in Brazil)
- Mussel larvae develop into mobile veliger's that propagate through a water body before reaching the settling phase roughly 11-20 days after spawning. They then colonize hard surfaces and grow into adult mussels.
- Like Zebra and Quagga Mussels, Golden Mussels have been linked to a rise in harmful algal blooms and an increased risk to infrastructure in infested water bodies.

Golden Mussel Discovered in Delta

Golden Mussel shells collected in October 2024 at a water quality station at Rough & Ready Island near Stockton in San Joaquin County, California, USA. Photo: [illegible]beth Wells, Ph. D. (DWR)

Golden Mussels colonizing a water pipe at a hydroelectric plant in Brazil (Mountinho, 2021).

Golden Mussel Discovered in Delta

*Shells of the invasive Golden Mussel (*Limnoperna fortunei*) showing general morphology (Boltovskoy, 2017).*

Golden mussels colonizing the exterior housing of water quality equipment at Rough and Ready Island in October 2024. Photo: Jay Aldrich (DWR)

Golden Mussel Discovered in Delta