

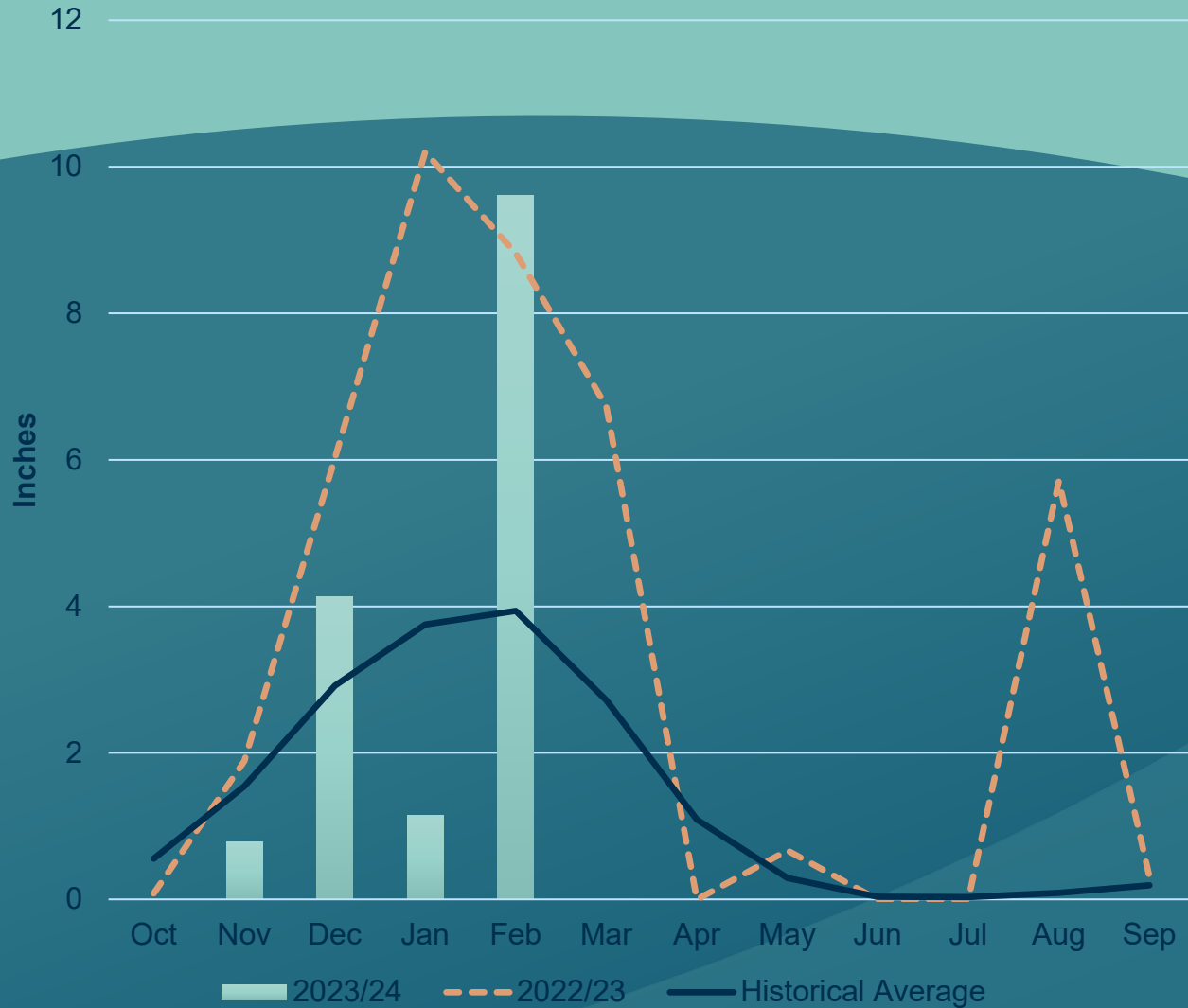
STATUS OF WATER SUPPLIES

Water Resources and Watershed Committee

February 14, 2024



SCV Precipitation Water Year 2023 vs 2024

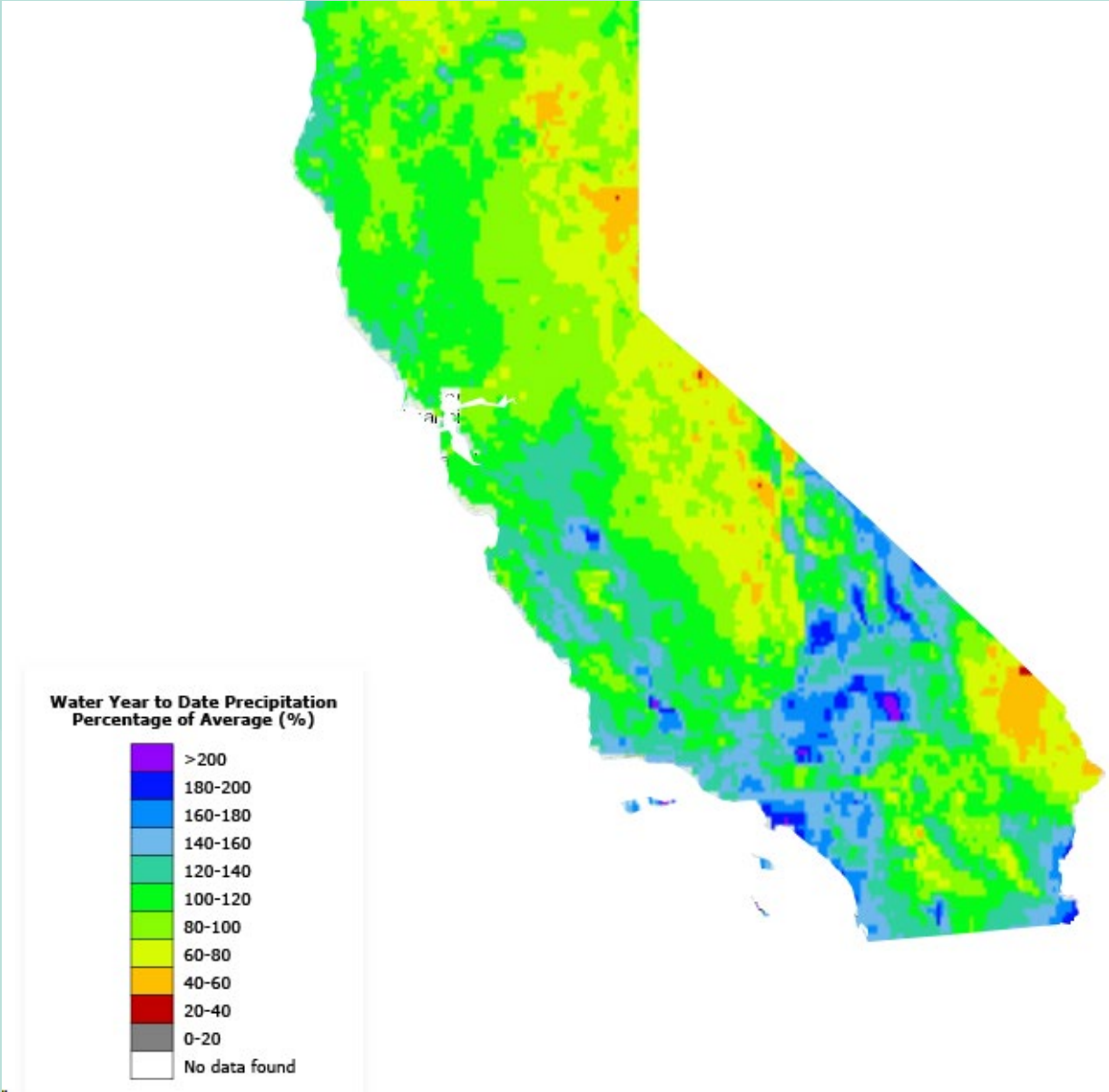


SCV PRECIPITATION

Historical Average = 17.2"

- 15.7" so far in WY 2024
 - 123% of historical average to date
 - Only halfway through Feb...

STATEWIDE PRECIPITATION



Precipitation Statistics (period of record: 1981-current)

Statewide as of 02/11/2024

Water Year to Date: **13.78"**

% of Average: **101%**

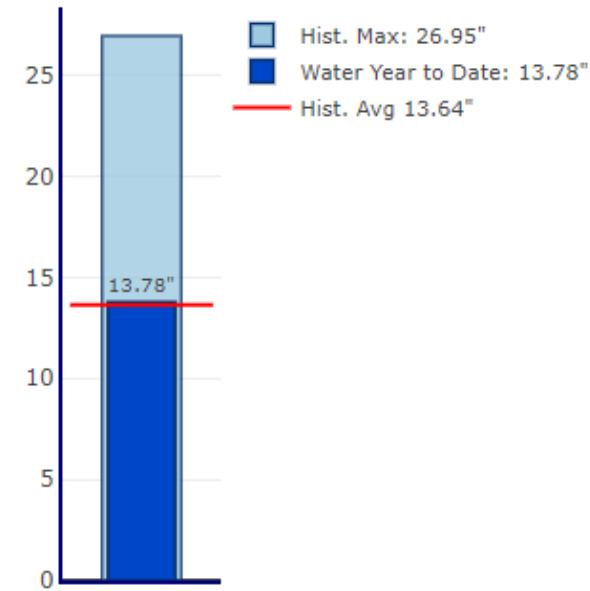
Precipitation % of average for full water year through September 30th: **58%**

Historical Record to Date:

Max: **26.95"**

Mean: **13.64"**

Min: **4.44"**



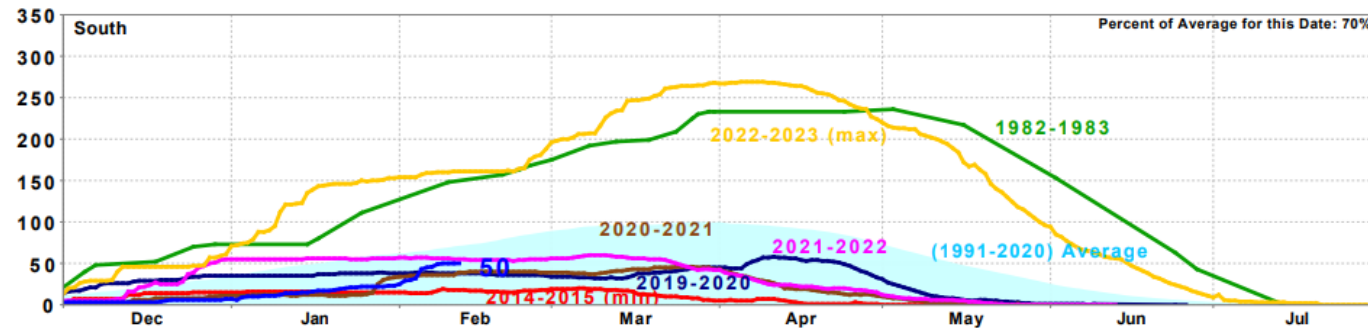
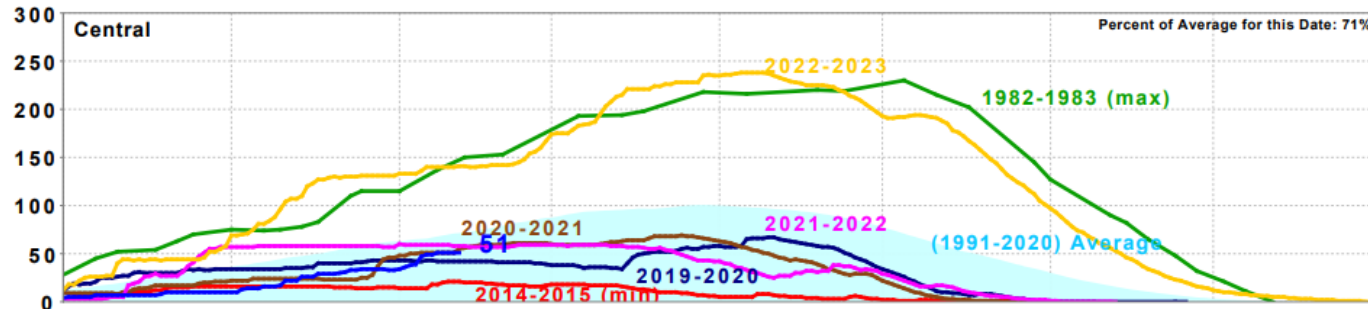
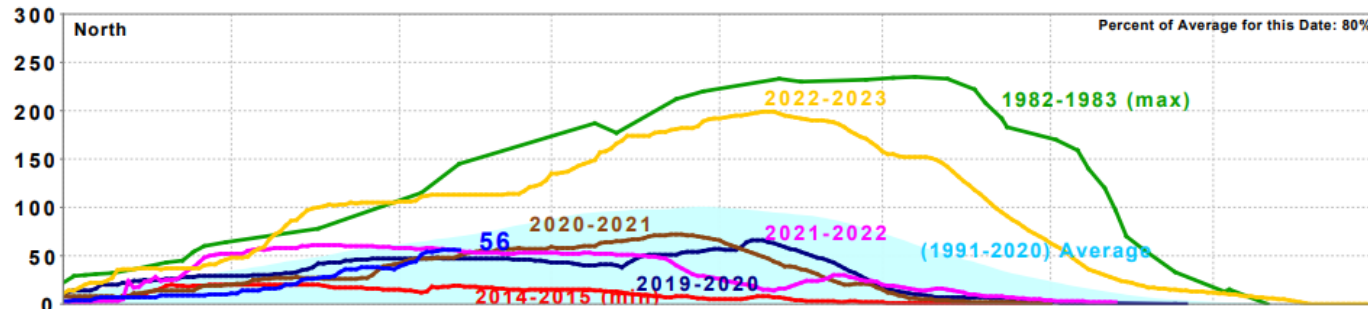
Precipitation for water year to date is 101% of historical average

Source: California Water Watch - <https://cww.water.ca.gov/>



STATEWIDE SNOWPACK

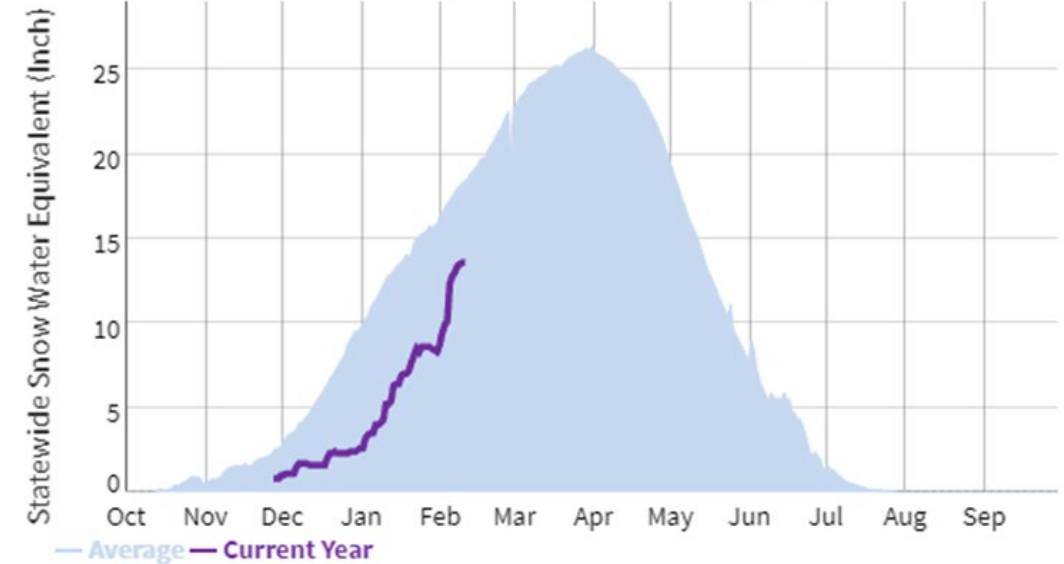
California Snow Water Content, February 12, 2024, Percent of April 1 Average



Statewide Percent of April 1: 52%

Statewide Percent of Average for Date: 73%

Statewide Snowpack Chart as of 02/11/2024



Percent of normal to date: 73%

Percent of April 1st average: 52%

Source: California Water Watch - <https://cww.water.ca.gov/>

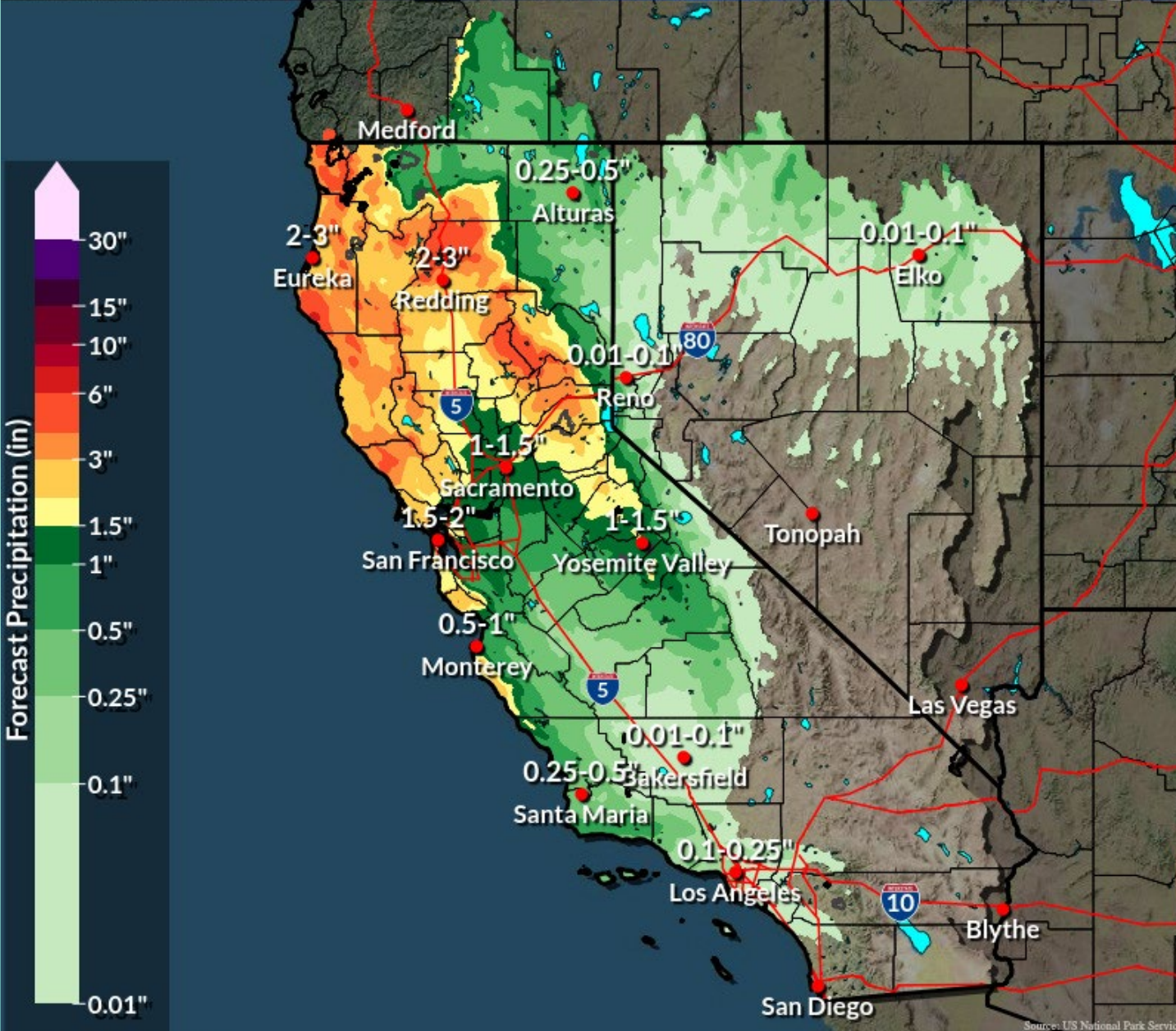


6-Day Forecast Precipitation

River Forecast Center
Sacramento, CA



Mon Feb 12, 2024 4 AM PST to Sun Feb 18, 2024 4 AM PST Issued Feb 12, 2024 12:38 PM PST

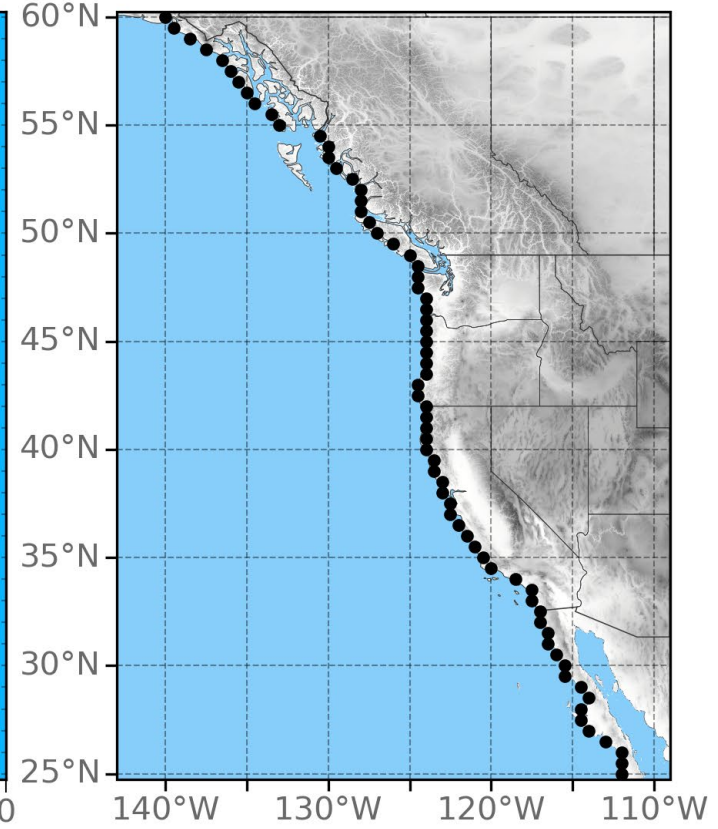
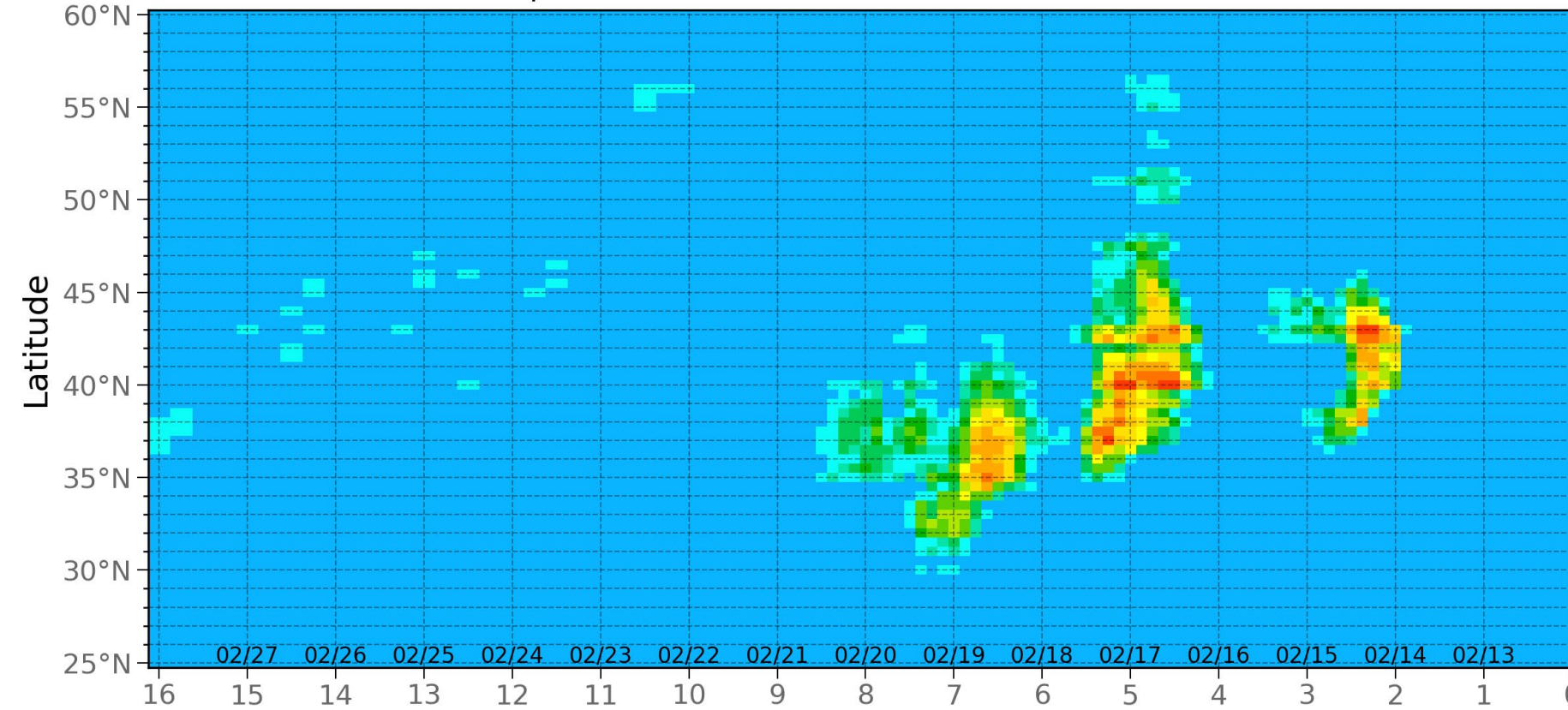


6-DAY FORECAST

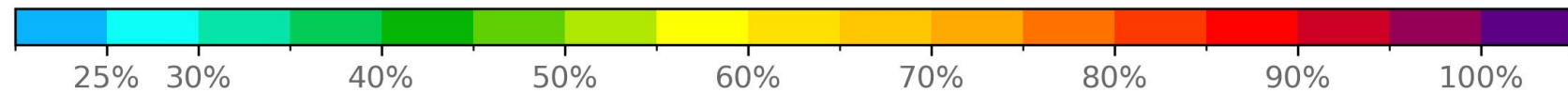
ATMOSPHERIC RIVER FORECAST

CW3E AR Landfall Tool | GEFS

Model Run: 12Z Mon 12 Feb 2024



<----- Forecast Day from 12Z on Mon 12 Feb 2024 ----->



Probability of IVT $\geq 250 \text{ kg m}^{-1} \text{ s}^{-1}$



Center for Western Weather and Water Extremes

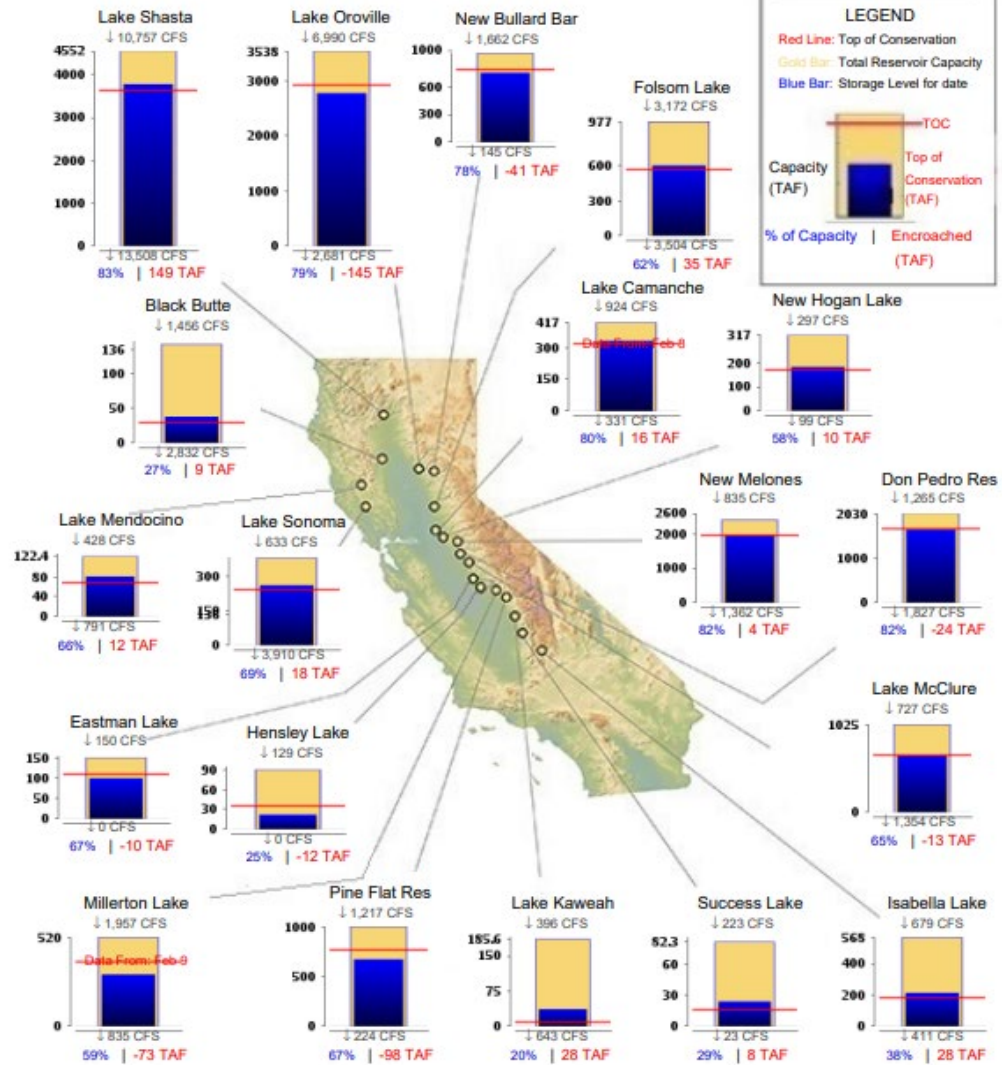


CURRENT RESERVOIR CONDITIONS

TOP OF CONSERVATION CONDITIONS (TOC)

CENTRAL VALLEY RUSSIAN RIVER FLOOD CONTROL RESERVOIRS

Midnight - February 11, 2024



RESERVOIR CONDITIONS

- Estimated total statewide storage -
 - Increased from 24 MAF to 27.5 MAF
- Percent of historical average: 118%
- Major reservoirs higher than DWR anticipated in January 90% & 50% study

MAF = million acre-feet

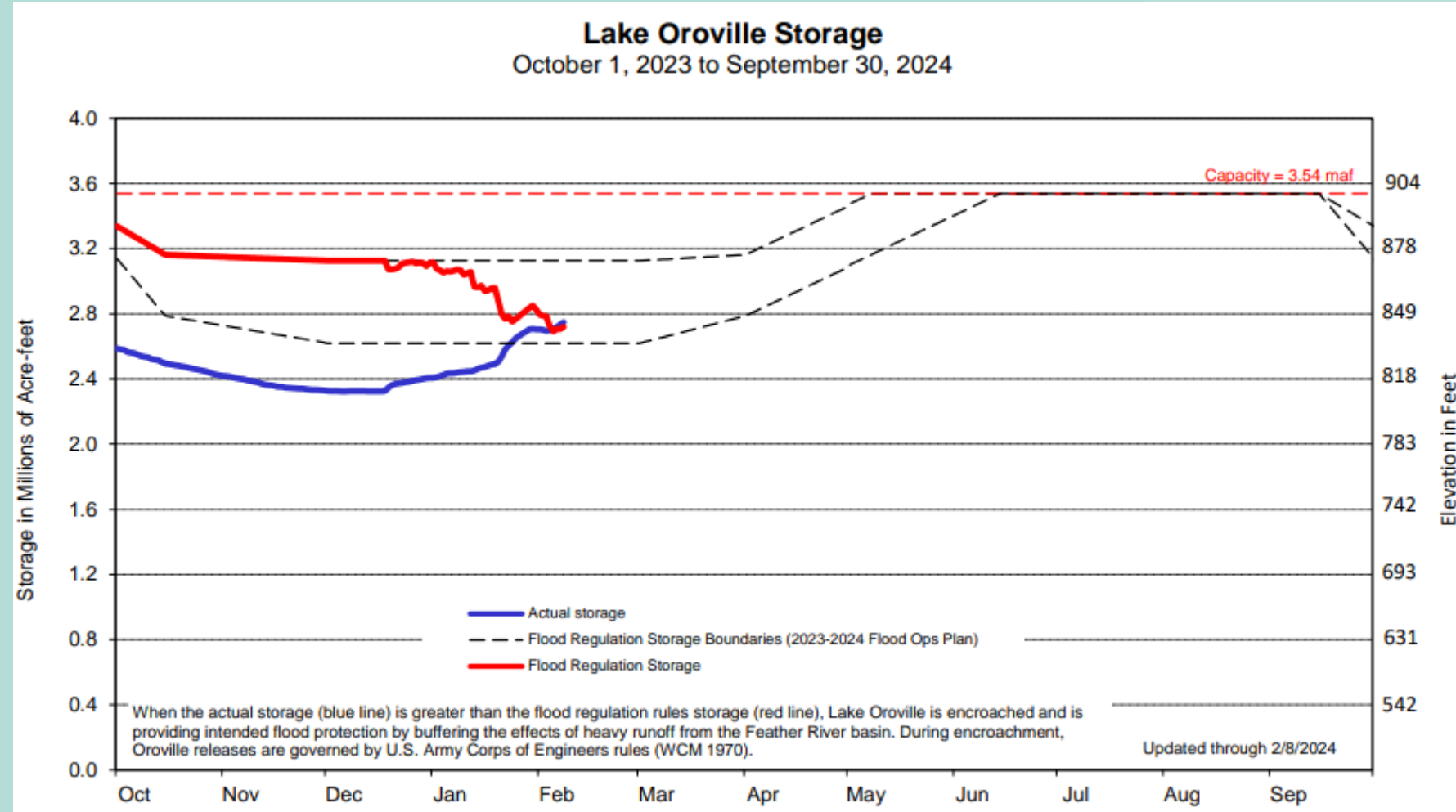
Source: California Department Exchange Center-

<https://cdec.water.ca.gov/reportapp/ja/vareports?name=floodcontrol.pdf>



LAKE OROVILLE STORAGE

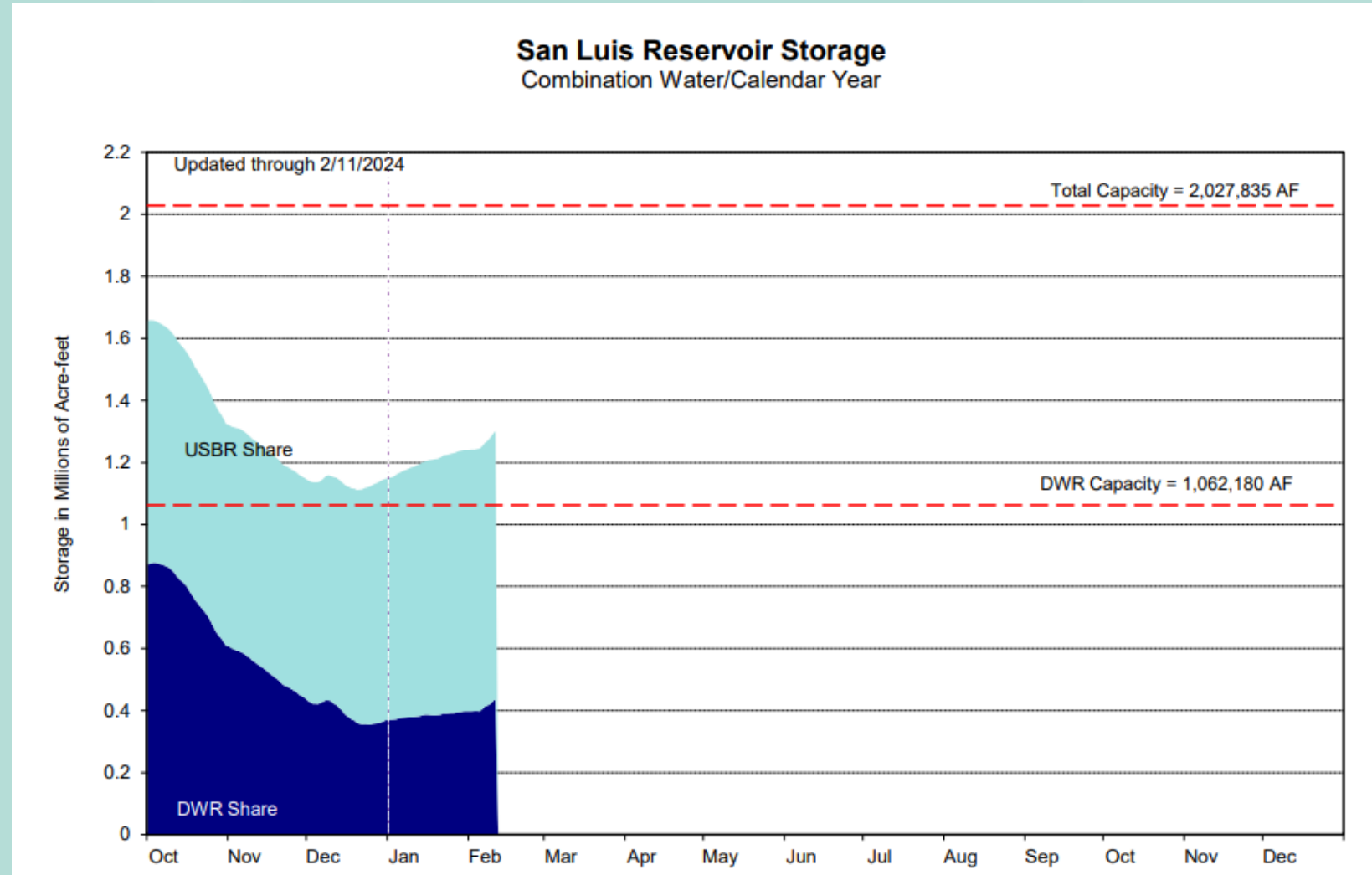
- Within flood regulation storage boundaries
- Releases being made as needed during encroachment
- January storms were warmer with more rain vs. snowpack



SAN LUIS RESERVOIR STORAGE

- Vernalis flows increasing > exports
- DWR's share = 417 TAF
 - SWP storage remains short of anticipated SWP carryover supplies into 2024
 - Allocation will not increase until this obligation is met

TAF = thousand acre-feet



2024 OPERATING PLAN

- Updates highlighted in red
 - 2019 AVEK 2:1 exchange return water available!
 - Updated DWR Art 56 carryover total – 2023 finalization report pending
- January supplies used
 - 35% groundwater
 - 65% imported
 - Art 56 carryover used
- January demands
 - 9% increase from Jan. 2023
 - Less rain in 2024

2024 WATER ORDER Operating Plan 2-12-24	2024 10% SWP Allocation	2024 25% SWP Allocation	2024 50% SWP Allocation	2025 5% SWP Allocation
Demand	57,500	57,500	57,500	60,500
Groundwater Supplies	18,050	18,050	18,050	22,840
Alluvium	10,900	10,900	10,900	11,840
Saugus	7,150	7,150	7,150	11,000
Recycled Water	500	500	500	500
Imported Demand	38,950	38,950	38,950	37,160
Imported Supplies				
SWP Table A	9,520	23,800	47,600	4,760
BVRRB	11,000	11,000	11,000	11,000
Total Available Imported Supplies	20,520	34,800	58,600	15,760
<i>Excess Imported Supplies (neg = shortfall)</i>	(18,430)	(4,150)	19,650	(21,400)
Dry Year Water Supplies				
SWP Carryover-Art 56 (not guaranteed)	18,000	18,000	18,000	12,914
Rosedale Banking			(20,000)	10,000
Semitropic SWRU Banking	5,000			5,000
RRB 2023 Exchange	5,000			
AVEK 2019 EXCHANGE	2,344	2,344		
YUBA WATER ACCORD	1,000			1,000
Conservation WSCP demand reduction				
Devils Den Sale	(500)	(500)	(500)	
Flexible Storage (up to 6,060 AF)				
Total Imported & Dry Year Supplies	51,864	55,144	56,600	44,674
Potential SWP Carryover at End of Year (neg = shortage)	12,914	16,194	17,650	7,514

QUESTIONS

