



Status of Water Supplies

WATER RESOURCES AND WATERSHED COMMITTEE
DECEMBER 14, 2022

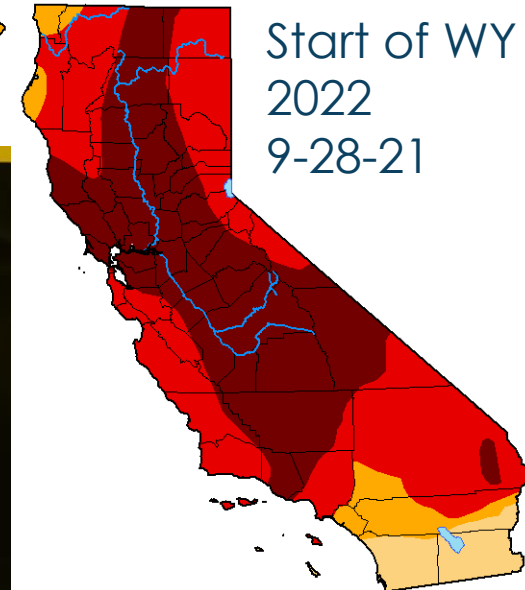
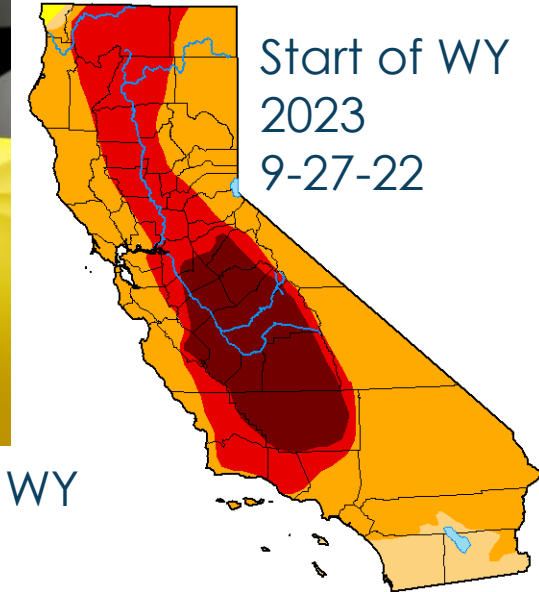
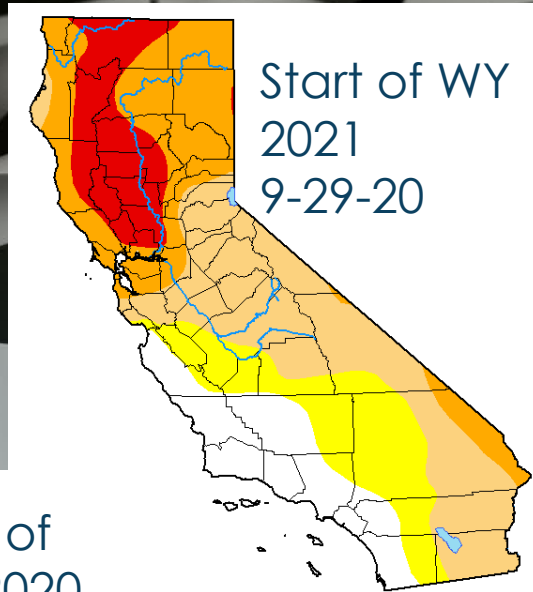


Overview

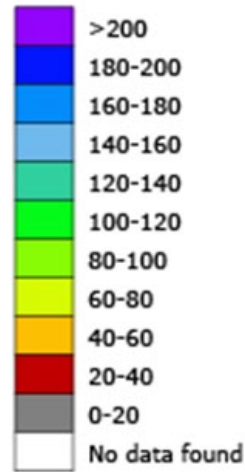
Water Supply Update

- ▶ Drought Classification
- ▶ Precipitation
- ▶ Weather Forecast
- ▶ Snowpack Conditions
- ▶ Reservoir Conditions
- ▶ 2022 Operations
- ▶ 2023 Operations

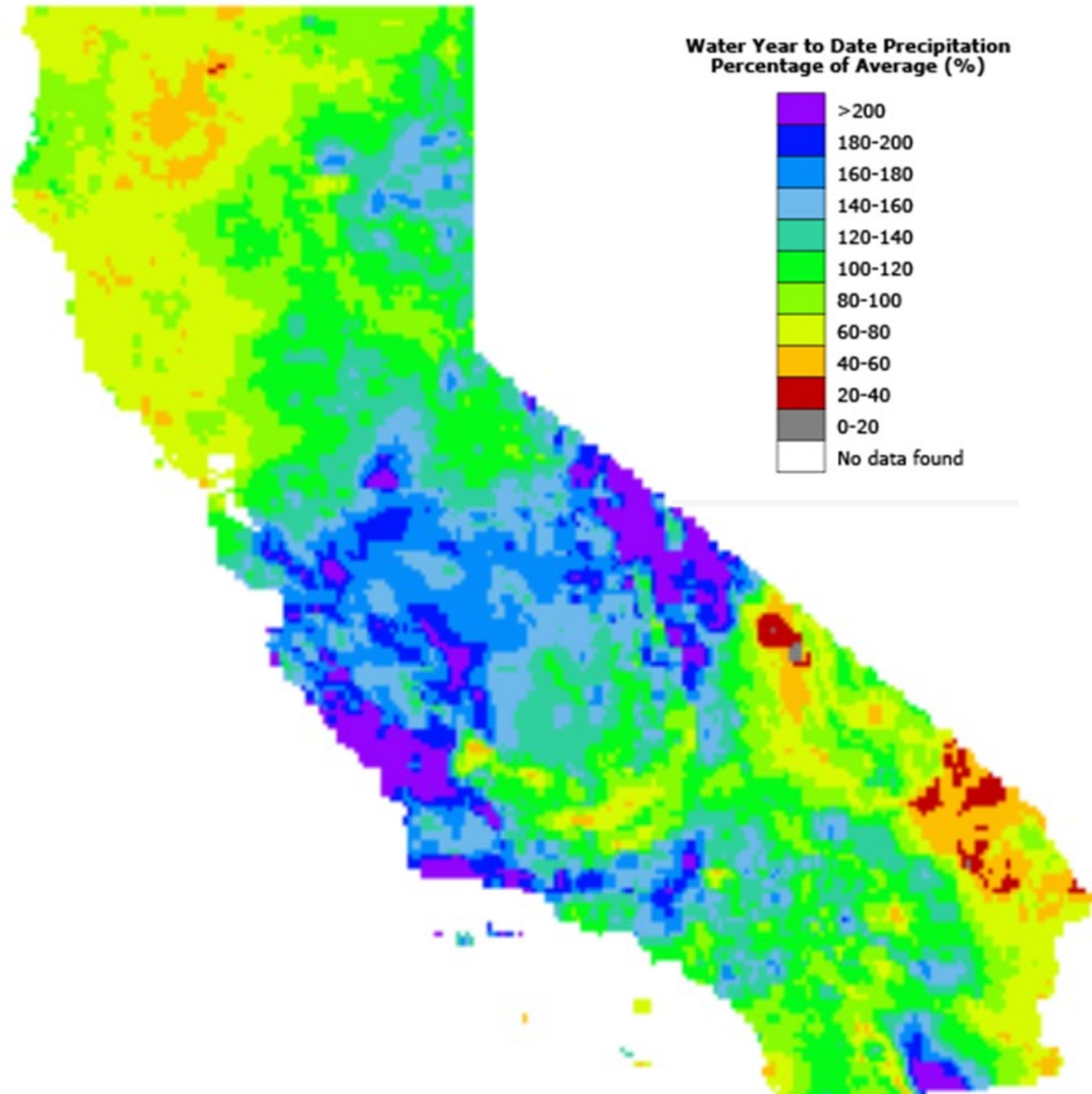
Drought Classifications at Start of Water Year (WY)



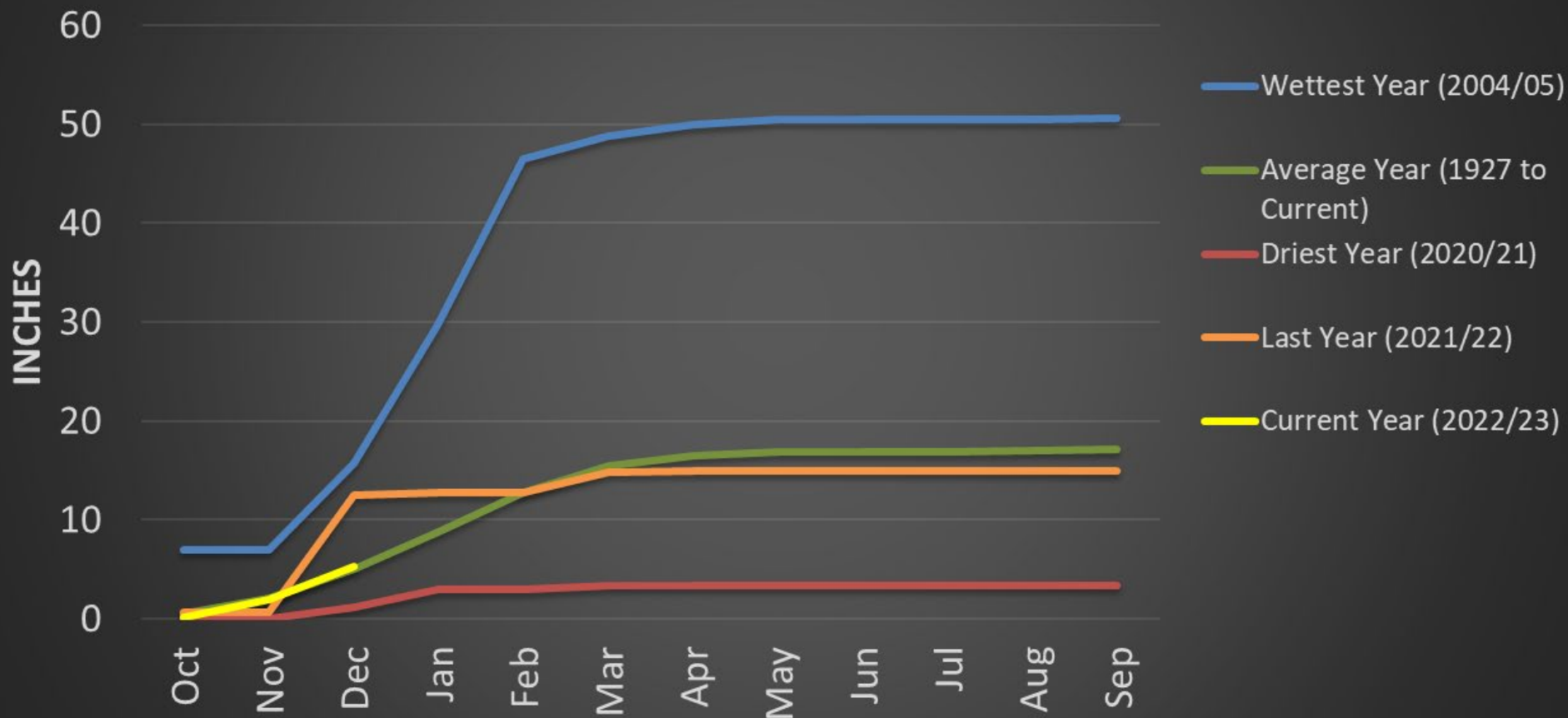
Water Year to Date Precipitation
Percentage of Average (%)



Precipitation
Percentage of
Average (%)
Water Year to Date
12-11-22

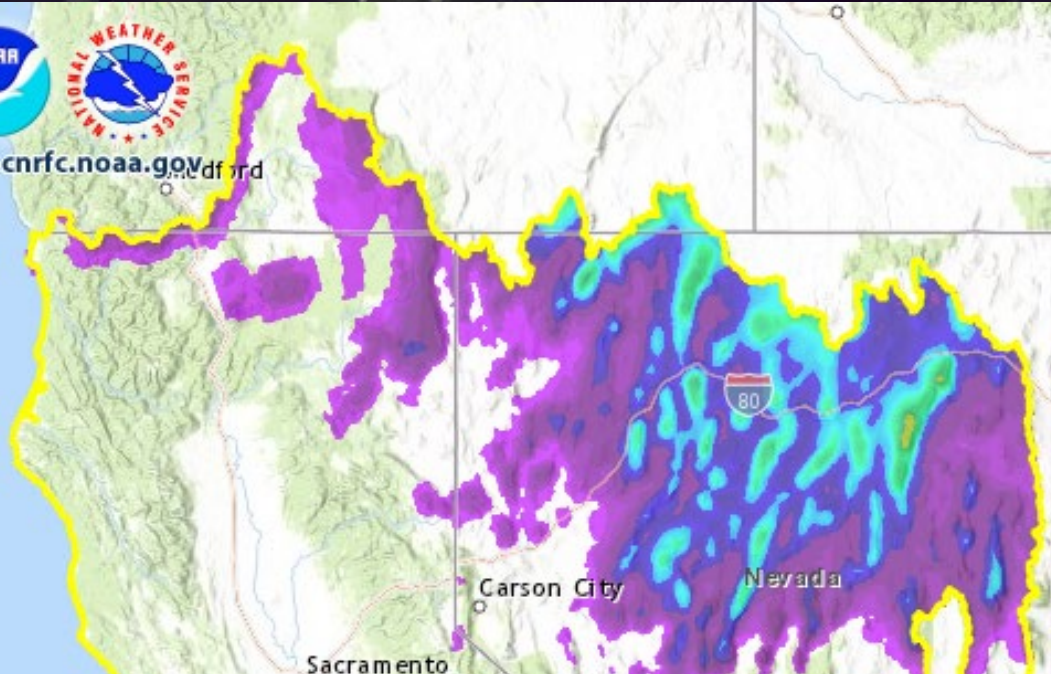


SCV Historical Rainfall

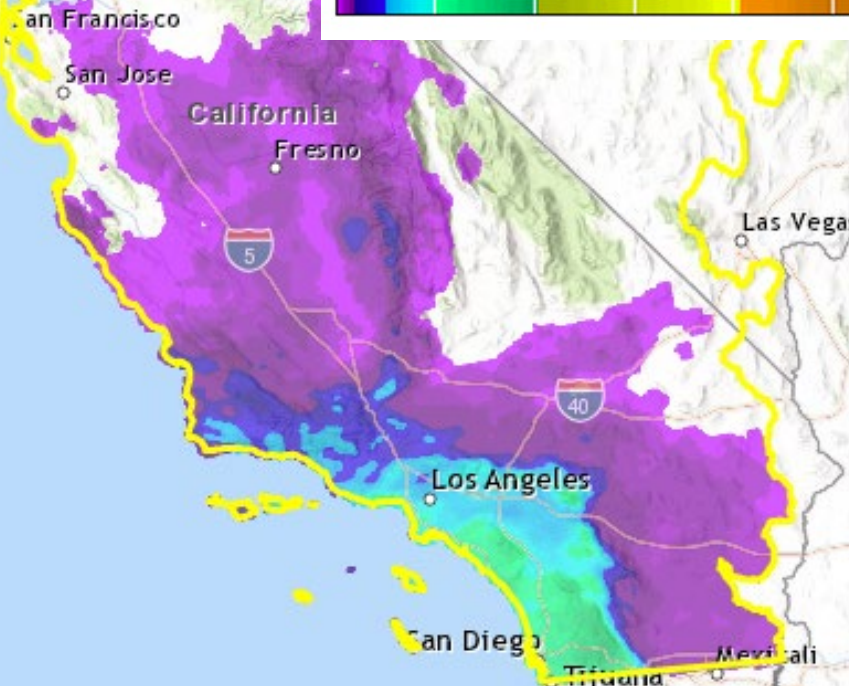




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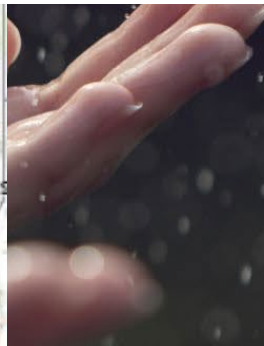


Precipitation (inches)

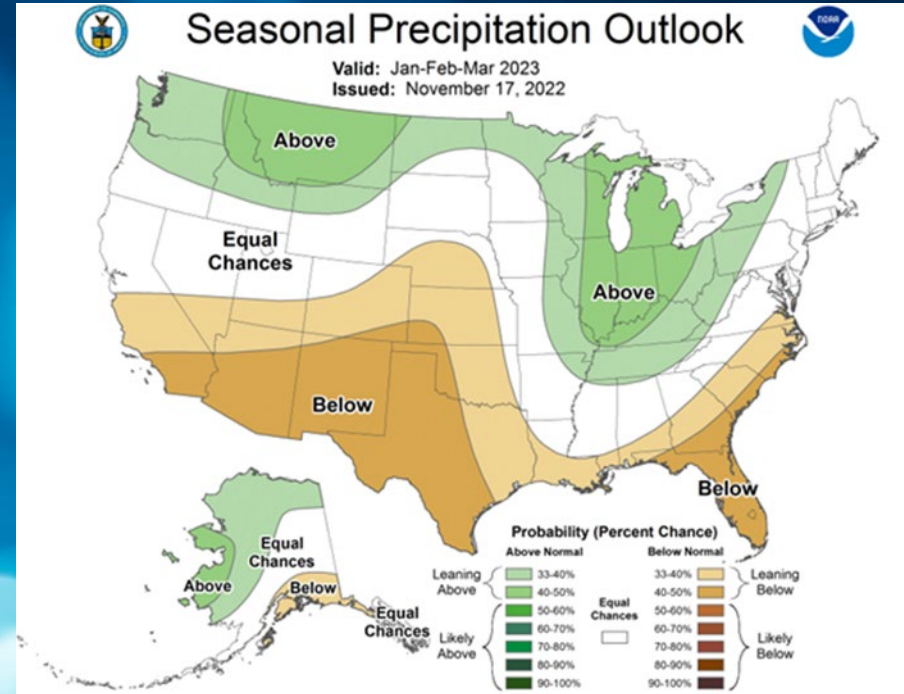
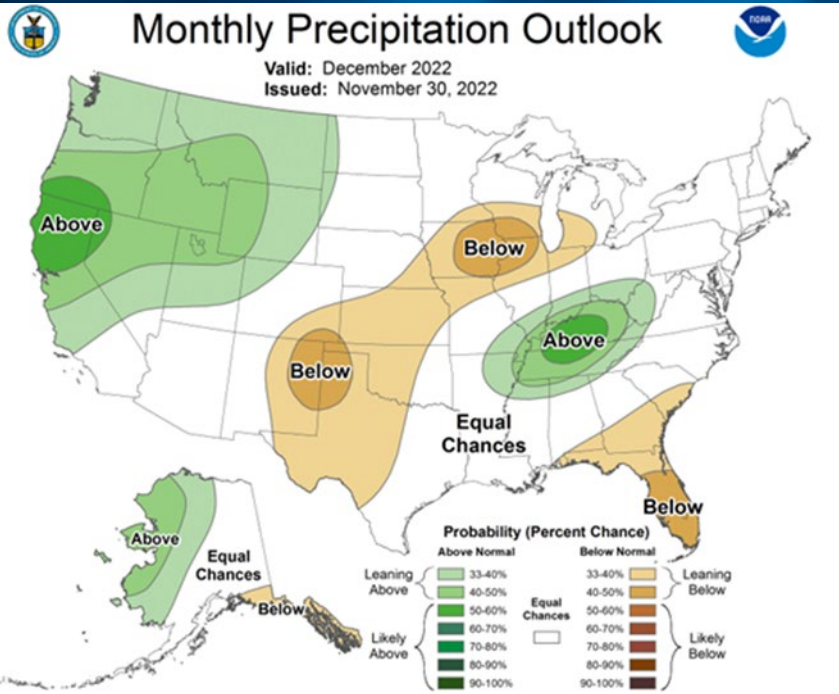


6-Day Forecast

Dec 12-18, 2022



Precipitation Outlook (Dec & Jan-Feb-March)



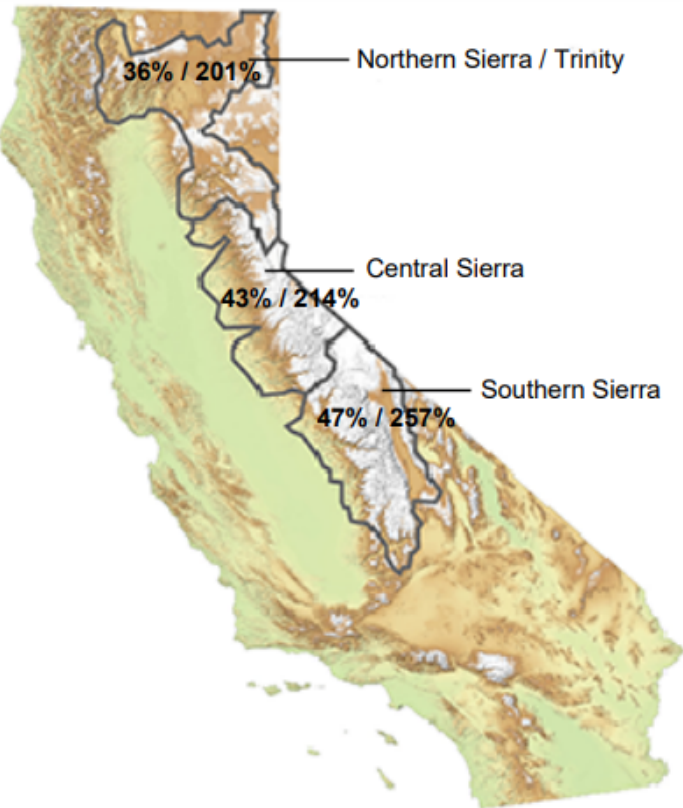
There is a 76% chance of La Niña during the Northern Hemisphere winter (December-February) 2022-23, with a transition to ENSO-neutral favored in February-April 2023 (57% chance).



STATEWIDE SNOW WATER CONTENT

CURRENT REGIONAL SNOWPACK FROM AUTOMATED SNOW SENSORS

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



NORTH	
Data as of December 12, 2022	
Number of Stations Reporting	32
Average snow water equivalent (Inches)	10.2
Percent of April 1 Average (%)	36
Percent of normal for this date (%)	201

CENTRAL	
Data as of December 12, 2022	
Number of Stations Reporting	52
Average snow water equivalent (Inches)	12.1
Percent of April 1 Average (%)	43
Percent of normal for this date (%)	214

SOUTH	
Data as of December 12, 2022	
Number of Stations Reporting	32
Average snow water equivalent (Inches)	10.8
Percent of April 1 Average (%)	47
Percent of normal for this date (%)	257

STATE	
Data as of December 12, 2022	
Number of Stations Reporting	116
Average snow water equivalent (Inches)	11.2
Percent of April 1 Average (%)	42
Percent of normal for this date (%)	223

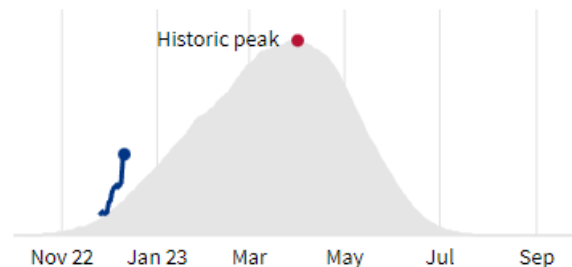
Statewide Average: 42% / 223%

Snowpack Conditions

Statewide snowpack levels

Snow melt feeds our reservoirs & rivers

42% of average peak snowpack



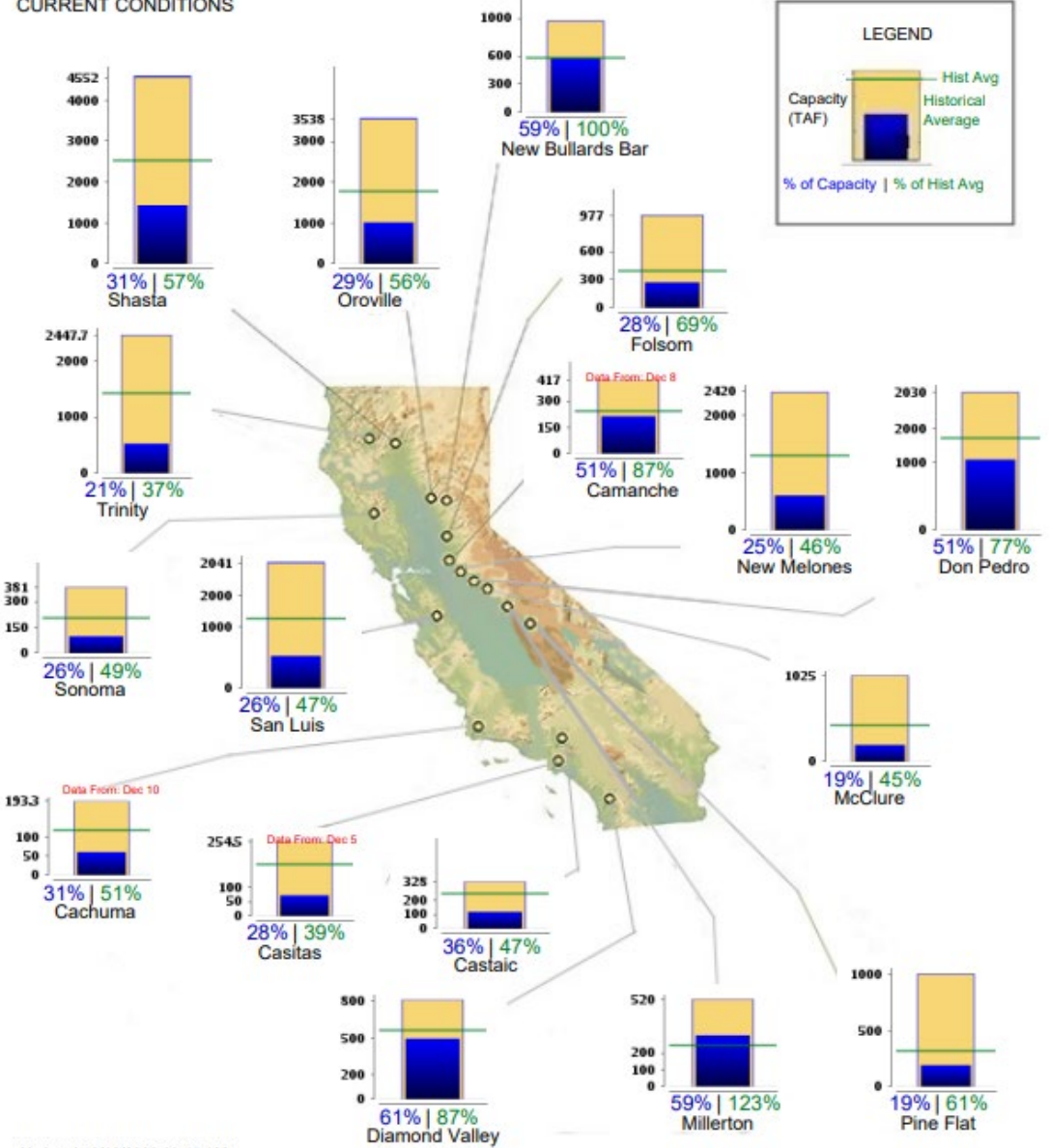


CURRENT RESERVOIR CONDITIONS

CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS

Midnight - December 11, 2022

CURRENT CONDITIONS



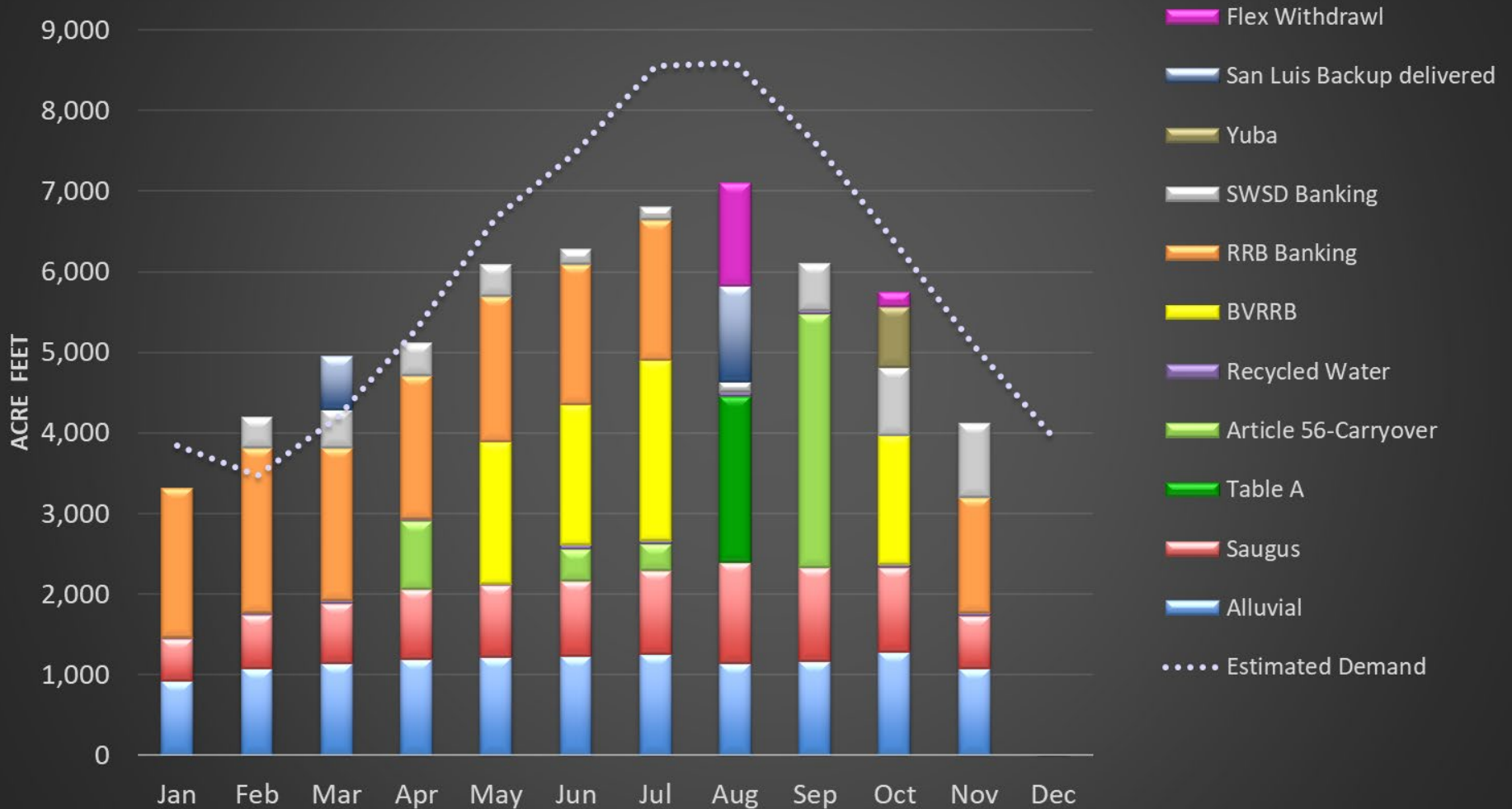
Reservoir Conditions

Major reservoir levels

Reservoirs get us through the dry months

67%
of average levels

2022 Actual Demand by Source vs. Estimated Demand (71,100 AF)



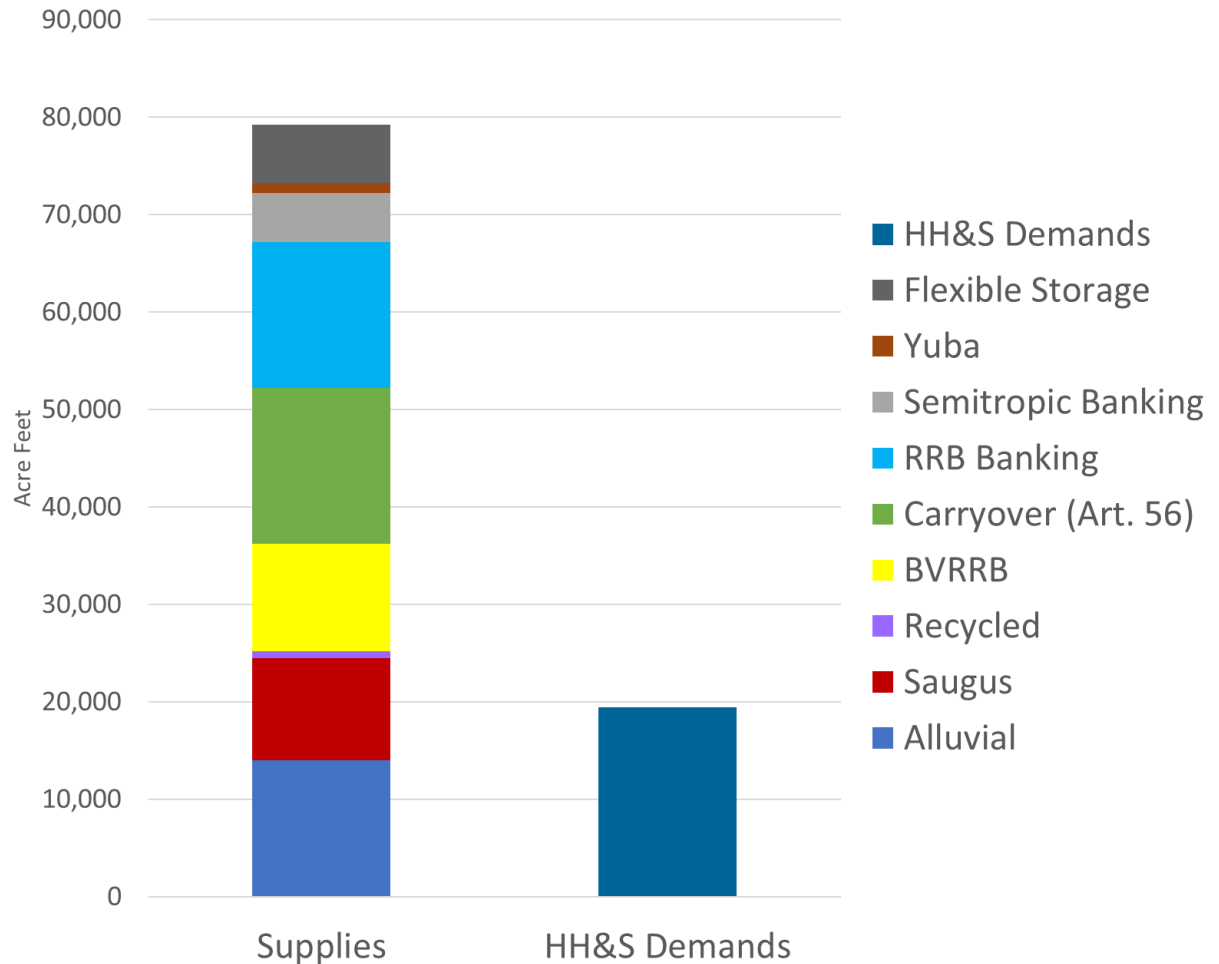
2023 Operations Outlook

- Initial SWP Allocation 5%
 - 4,760 AF of Table A for SCV Water
- Human Health and Safety Allocations (HH&S)
- Reservoir Levels still low
- Runoff observed after early storms
- Triple-Dip La Nina – anticipate below average precipitation
- SCV Water dry-year supplies are in good shape
- Continued conservation programs anticipated to help demand reduction

2023 HH&S

- 55 gallons per person per day
- 2023 – SWC HH&S request -251 TAF
 - SCV Water requested zero
 - 19,400 AF demand for SCV Water HH&S

2023 Supplies Available for Human Health & Safety Demands (HH&S)



2023 Operating Plan - Dec 2022	2023 5% Initial SWP Allocation	2023 15% SWP Allocation	2023 20% SWP Allocation	2024 5% SWP Allocation
Demand	72,500	72,500	72,500	74,000
Groundwater	24,500	24,500	24,500	30,000
Alluvium	14,000	14,000	14,000	16,000
Saugus	10,500	10,500	10,500	14,000
Recycled Water	700	700	700	1,000
Imported Demand	47,300	47,300	47,300	43,000
Imported Supplies				
SWP Table A	4,760	14,280	19,040	4,760
BVRRB	11,000	11,000	11,000	11,000
Total Available Imported Supplies	15,760	25,280	30,040	15,760
<i>Excess Imported Supplies (neg = shortfall)</i>	<i>(31,540)</i>	<i>(22,020)</i>	<i>(17,260)</i>	<i>(27,240)</i>
Dry Year Water Supplies				
SWP Carryover Delivered (not always guaranteed)	16,000	16,000	16,000	10,000
Rosedale Banking	15,000	10,000	5,000	10,000
Semitropic Enhanced Recovery Unit (Banking)	5,000	5,000	5,000	5,000
Yuba Accord	1,000	1,000	1,000	1,000
Dry Year Water Purchase				
Conservation Tier 2 estimated 15% demand reduction	10,875	10,875	10,875	11,100
Flexible Storage (up to 6,060 AF)				
Total Imported & Dry Year Supplies	63,635	68,155	67,915	52,860
2023 SWP Carryover into 2024 (neg = shortage)	16,335	20,855	20,615	9,860

Carryover goal = 10-20 TAF

