



# Status of Water Supplies

WATER RESOURCES AND WATERSHED COMMITTEE

APRIL 13, 2022

ITEM 6.1

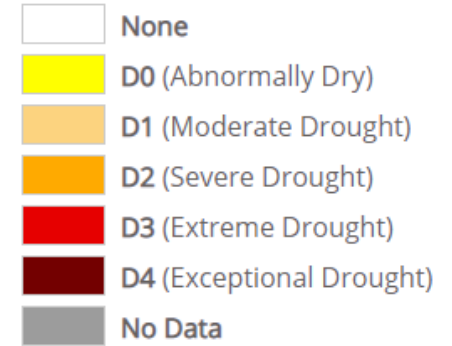
# Water Supply Update Overview

- ▶ Drought Update
- ▶ Snowpack
- ▶ Precipitation
- ▶ Weather
- ▶ Reservoir Levels
- ▶ 2022 Operations
- ▶ Yuba Accord



# Drought Classification

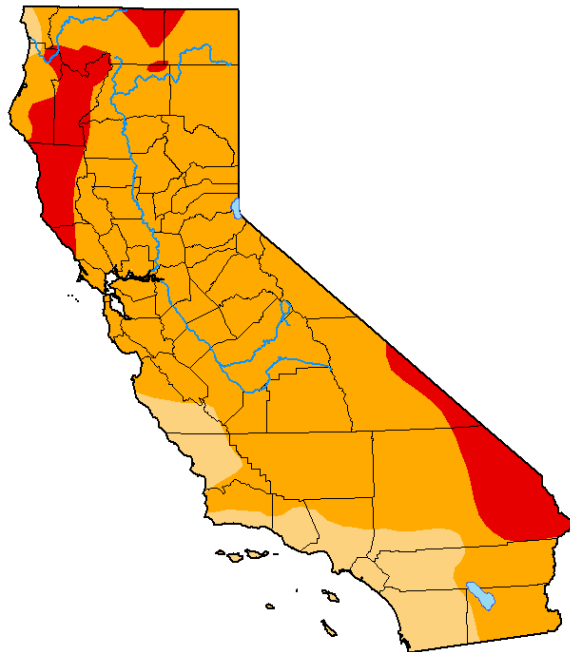
## Intensity



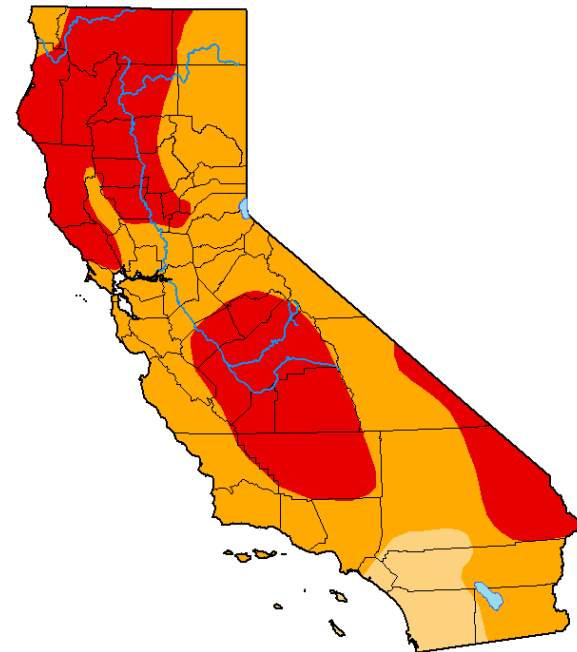
March 1<sup>st</sup>

April 5<sup>th</sup>

March 1, 2022



April 5, 2022



# Snowpack Update

## Sierra Snowpack 2022

As of April 1, 2022

% of Normal

**North 28%**

**Central 42%**

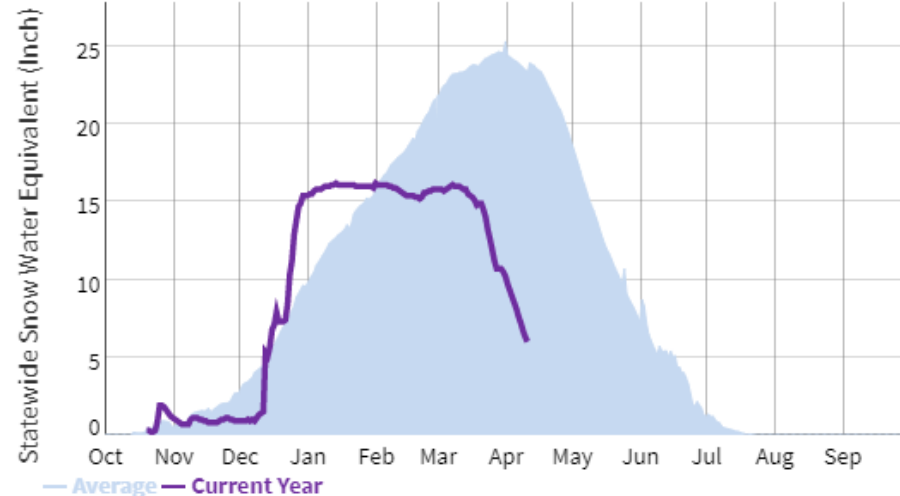
**South 43%**

**Phillips  
Station 4%**

**Statewide  
38%**

April 10, 2022

Statewide Snowpack Chart

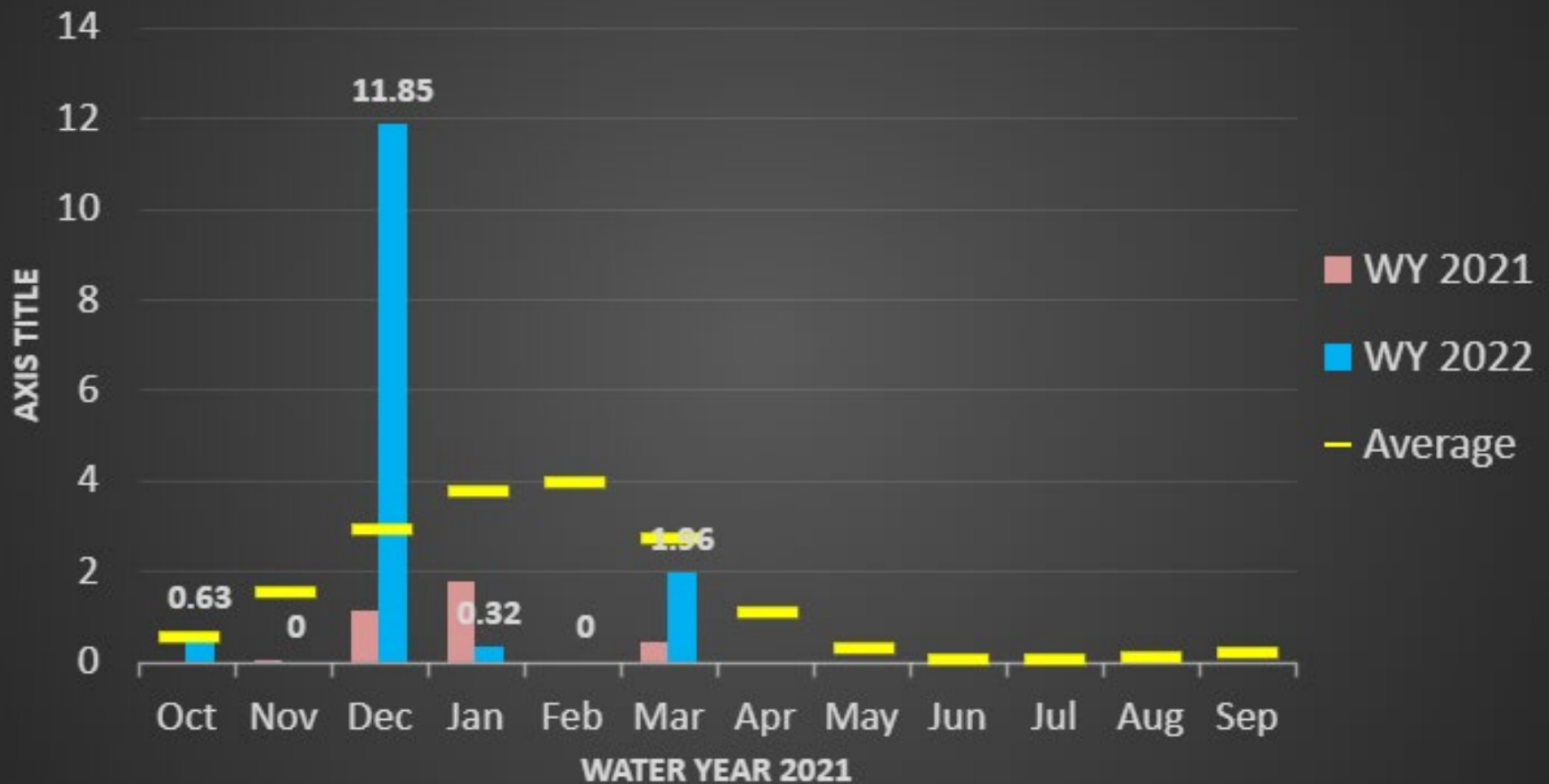


Percent of normal to date: 22%

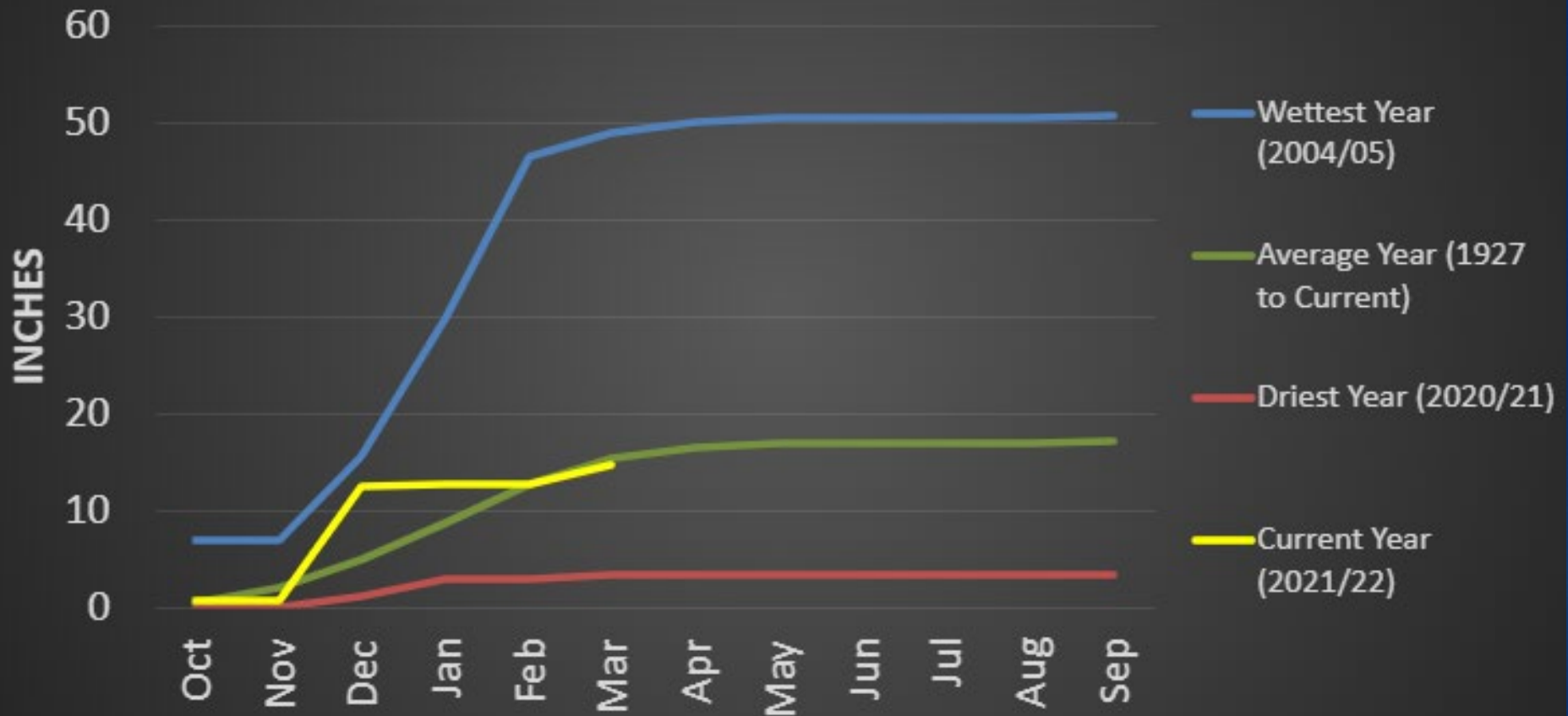
Percent of April 1st average: 21%



# SCV Precipitation Water Year 2022



# SCV Historical Rainfall



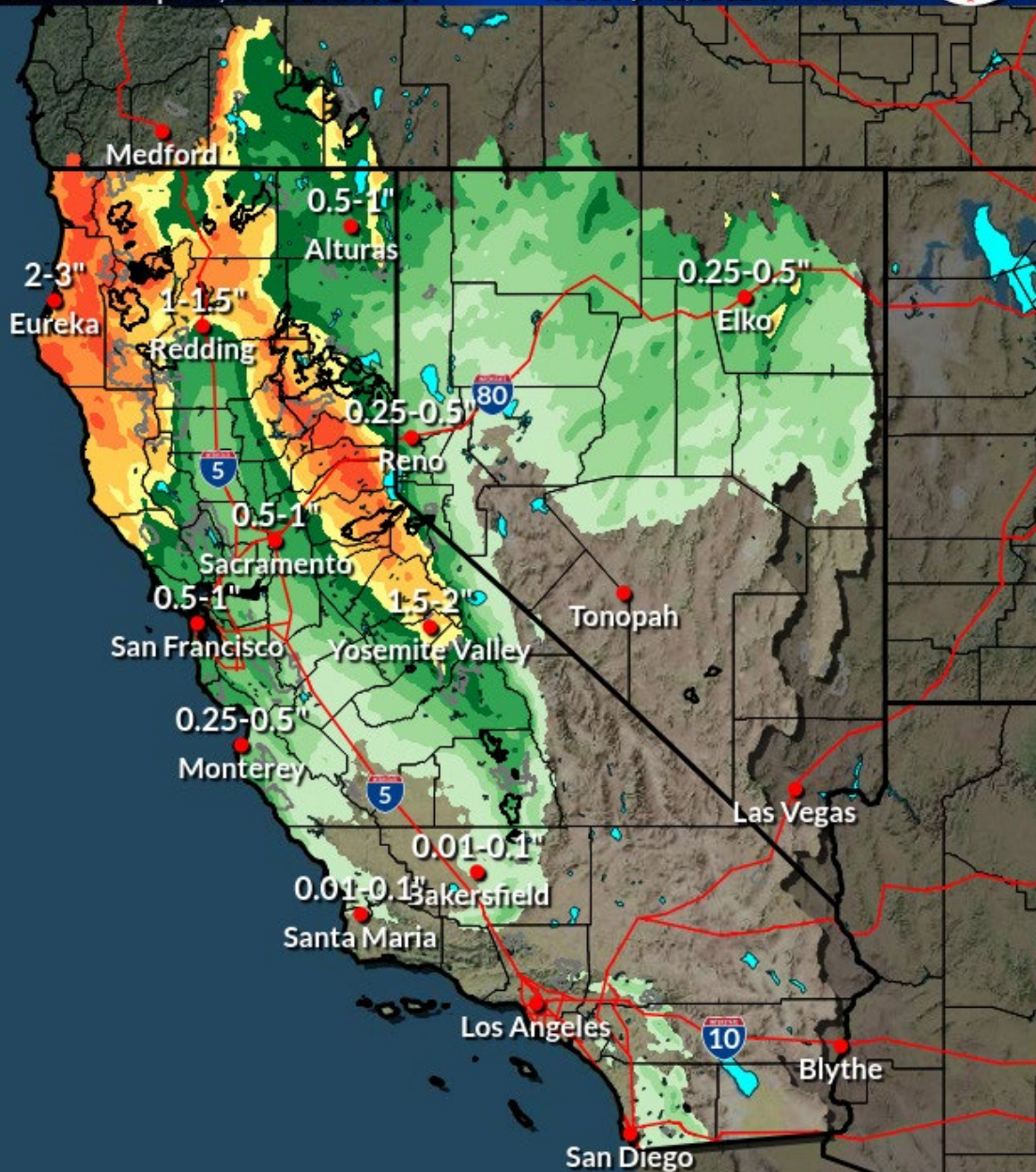
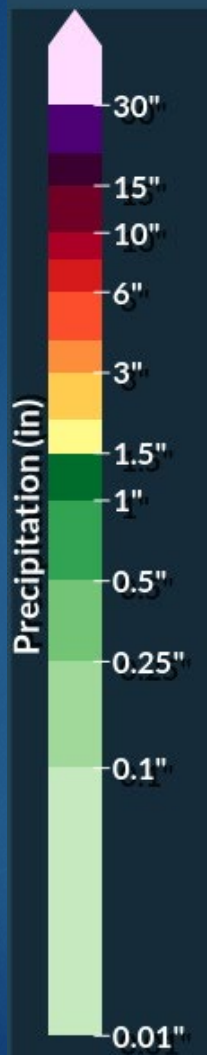
# 6-Day Forecast Precipitation

California Nevada  
River Forecast Center



Mon Apr 11, 2022 5 AM PDT to Sun Apr 17, 2022 5 AM PDT

Issued Apr 11, 2022 6:47 AM PDT



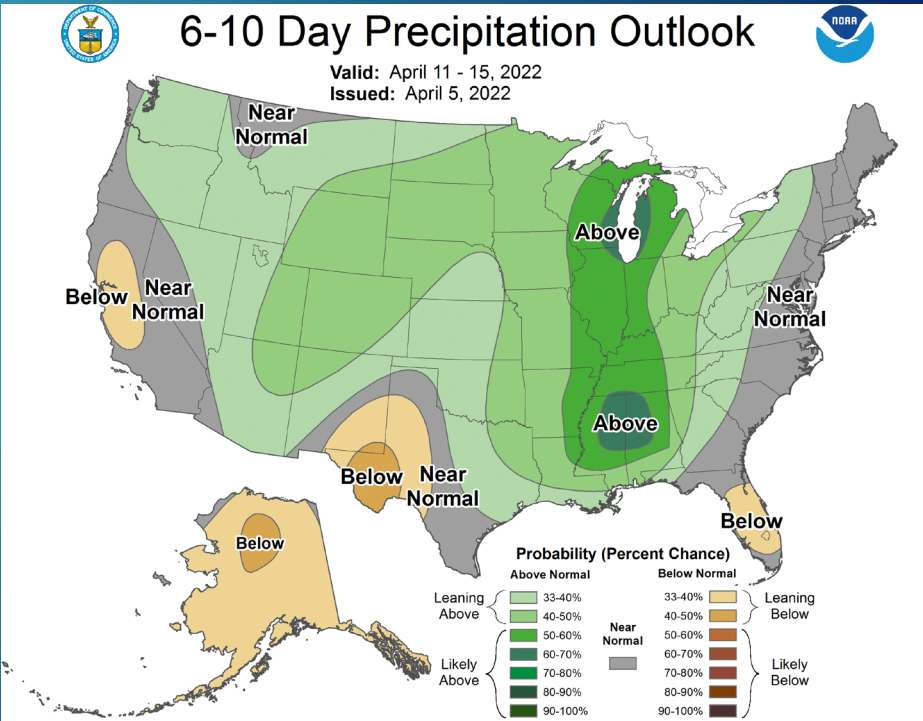
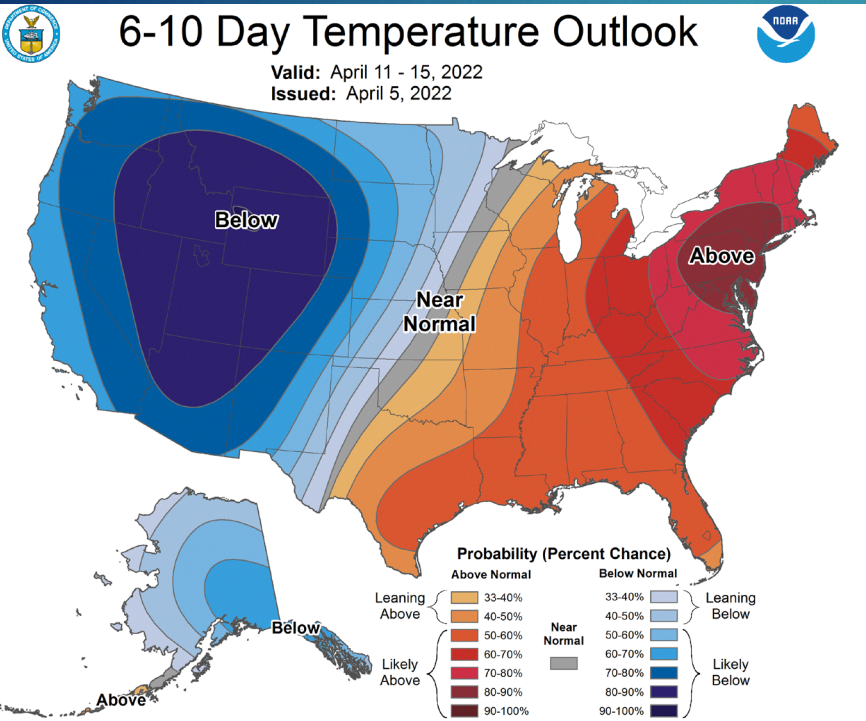
Source: US National Park Service

# 6-10 Day Outlook



## Temperature

## Precipitation

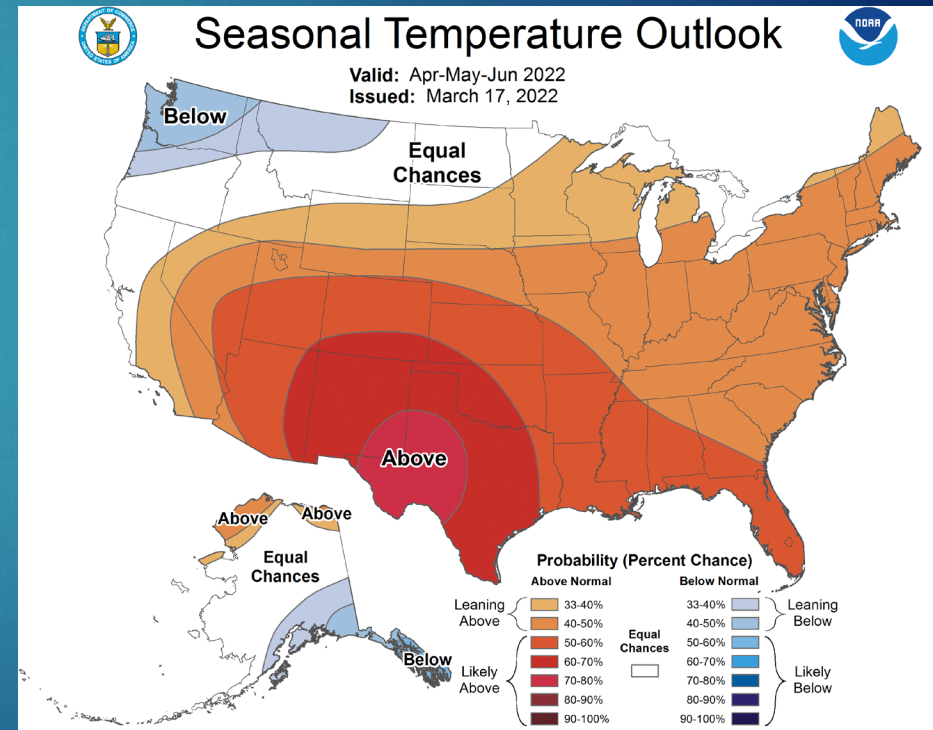
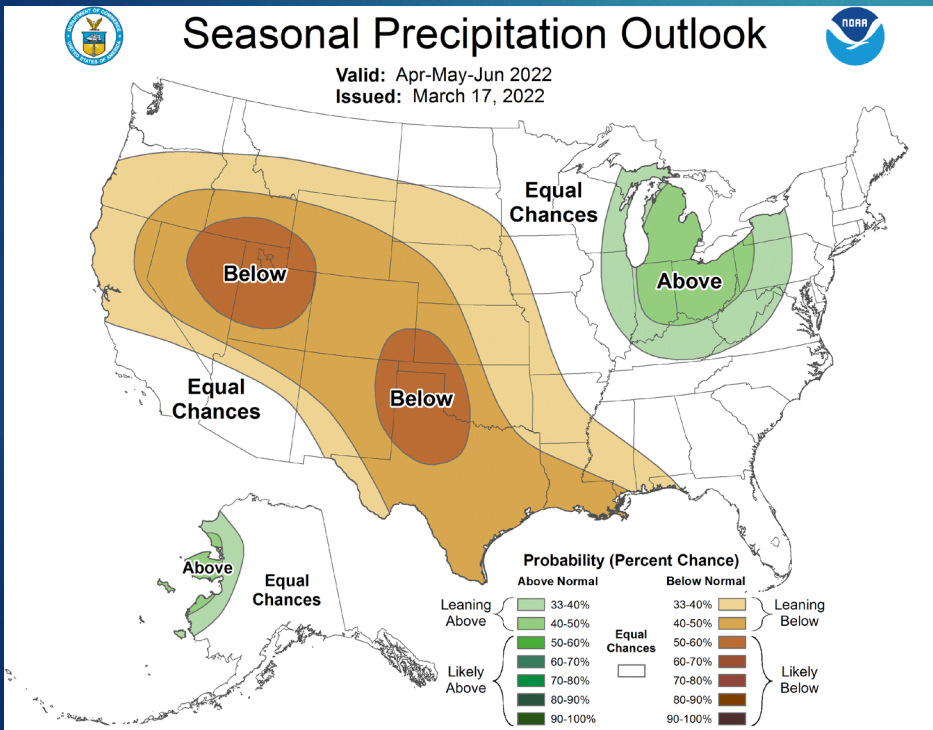




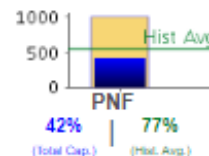
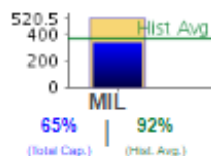
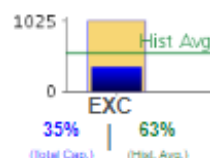
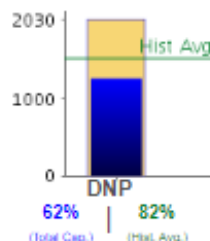
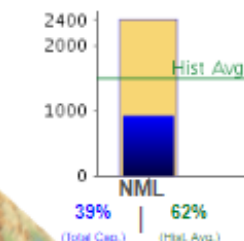
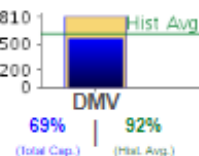
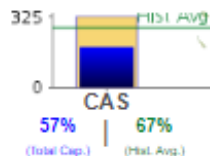
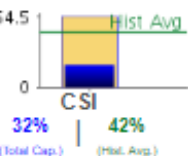
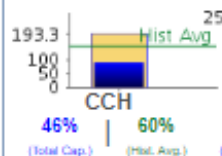
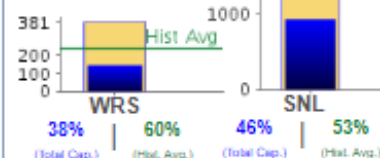
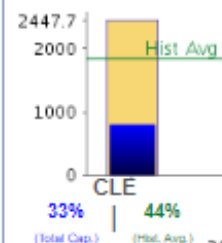
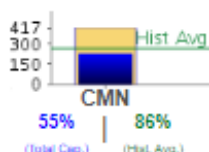
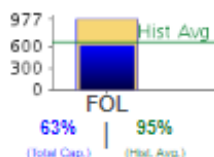
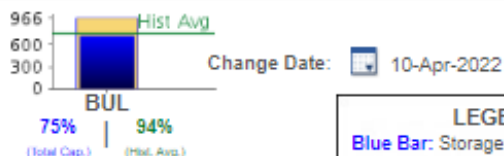
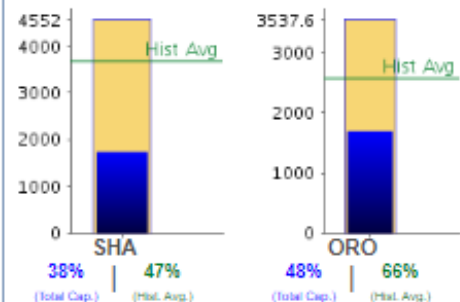
# Three Month Precipitation Outlook

## Precipitation

## Temperature



Data as of Midnight: 10-Apr-2022

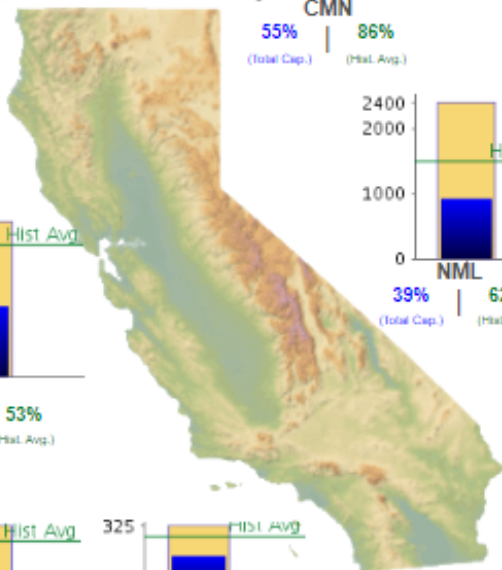


**LEGEND**

- Blue Bar: Storage level for date
- Gold Bar: Total reservoir capacity
- Green Line: Historic level for date.

Capacity (TAF) | Historical Avg Mark

% of Capacity | % Hist. Avg.  
(Click res. 3 char. code for details)





# Yuba Accord 2022

- Initial water availability
  - Can be adjusted based on May hydrology
  - Can be adjusted based on participation rates
- Subject to Carriage Losses
  - 2021 – 25% loss

Water Type	AF for SCV Water	\$/AF	Estimated Cost
C1	725	\$447.00	\$324,075
C2	363	\$358.00	\$129,954
C3	73	\$447.00	\$32,631
C4	754	\$800.00	\$603,200
<b>Total</b>	<b>1,915</b>		<b>\$1,089,860</b>
After 30% Carriage Losses	1,340	\$813.00	

2022 Operating Plan (as of April 2022)	2022 0% SWP Allocation	2022 5% SWP Allocation	2022 15% SWP Allocation2	2023 5% SWP Allocation
<b>Demand</b>	<b>71,100</b>	<b>71,100</b>	<b>71,100</b>	<b>72,500</b>
Groundwater	25,500	25,500	25,500	26,500
Alluvium	15,000	15,000	15,000	15,500
Saugus	10,500	10,500	10,500	11,000
Recycled Water	450	450	450	700
<b>Imported Demand</b>	<b>45,150</b>	<b>45,150</b>	<b>45,150</b>	<b>45,300</b>
<b>Imported Supplies</b>				
SWP Table A	0	4,760	14,280	4,760
BVRRB	11,000	11,000	11,000	11,000
<b>Total Available Imported Supplies</b>	<b>11,000</b>	<b>15,760</b>	<b>25,280</b>	<b>15,760</b>
<i>Excess Imported Supplies (neg = shortfall)</i>	<i>(34,150)</i>	<i>(29,390)</i>	<i>(19,870)</i>	<i>(29,540)</i>
<b>Dry Year Water Supplies</b>				
SWP Carryover Delivered (not always guaranteed)	13,500	13,500	13,500	8,665
Rosedale Banking	15,000	15,000	10,000	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
Flexible Storage (up to 6,060 AF)				6,060
<b>Stage 1 WSCP up to 10% voluntary conservation (5% avg)</b>	<b>3,555</b>	<b>3,555</b>	<b>3,555</b>	<b>3,625</b>
<b>Total Imported &amp; Dry Year Supplies</b>	<b>45,500</b>	<b>50,260</b>	<b>54,780</b>	<b>46,485</b>
2022 SWP Carryover into 2023 (neg = shortage)	3,905	8,665	13,185	4,810



The snow is  
melting into  
music. - JOHN MUIR -

© Boho Bliss Art

QUESTIONS?