



## Water Supply Conditions

Kevin Hostert, Water Resources Analyst  
Municipal Water District of Orange County

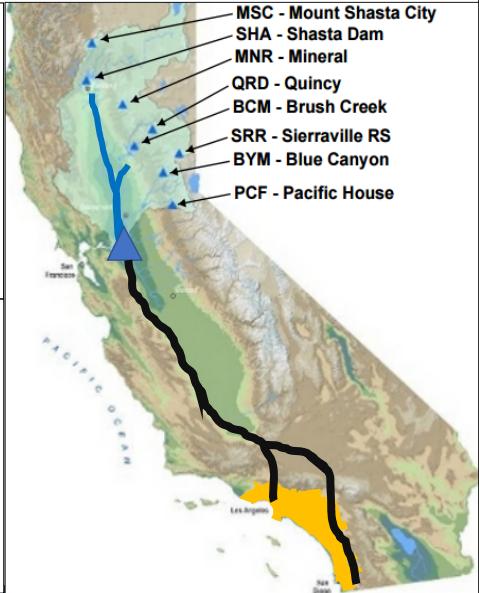
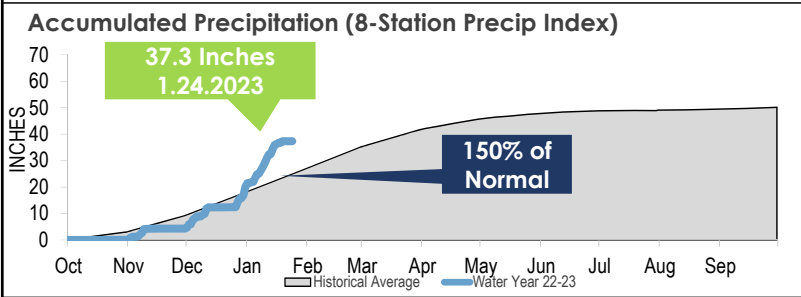
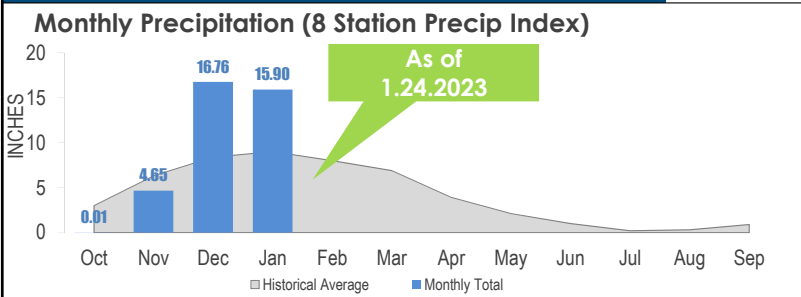
January 25th 2023



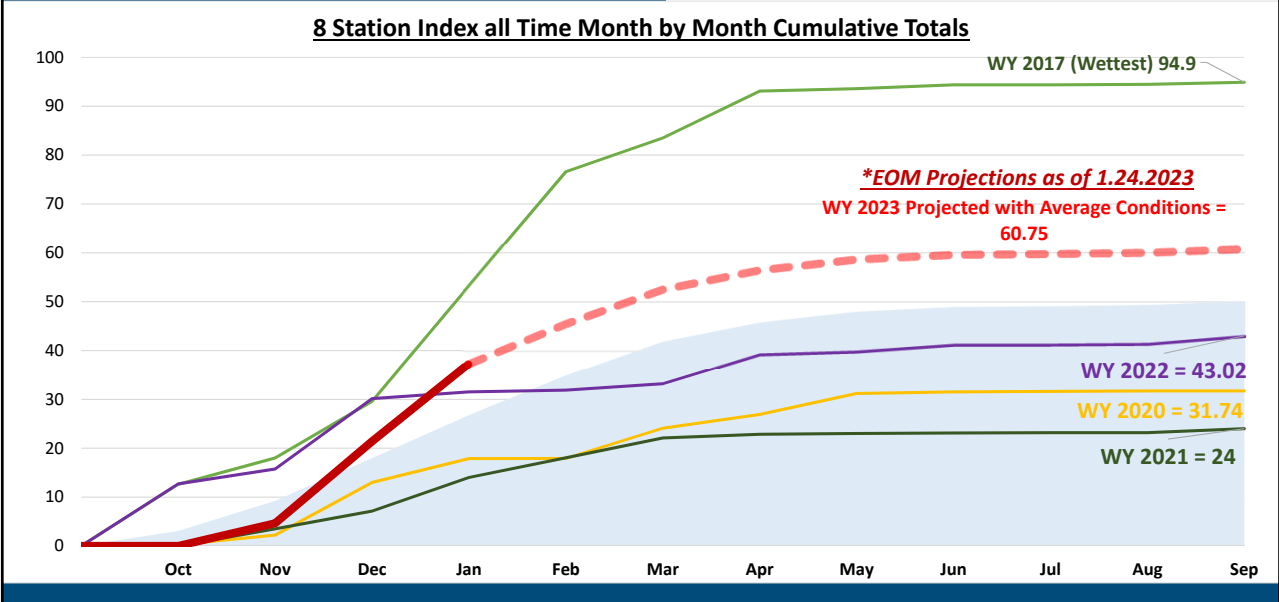
## Review of Regional Water Supply Conditions

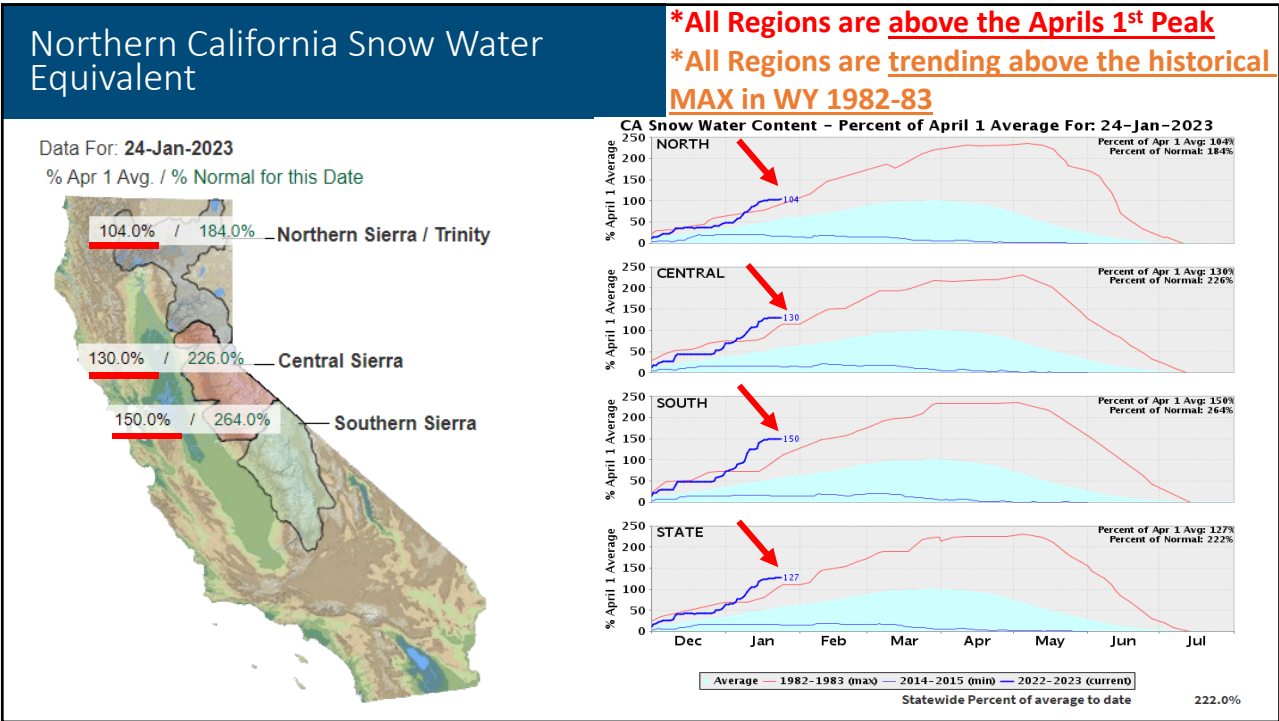
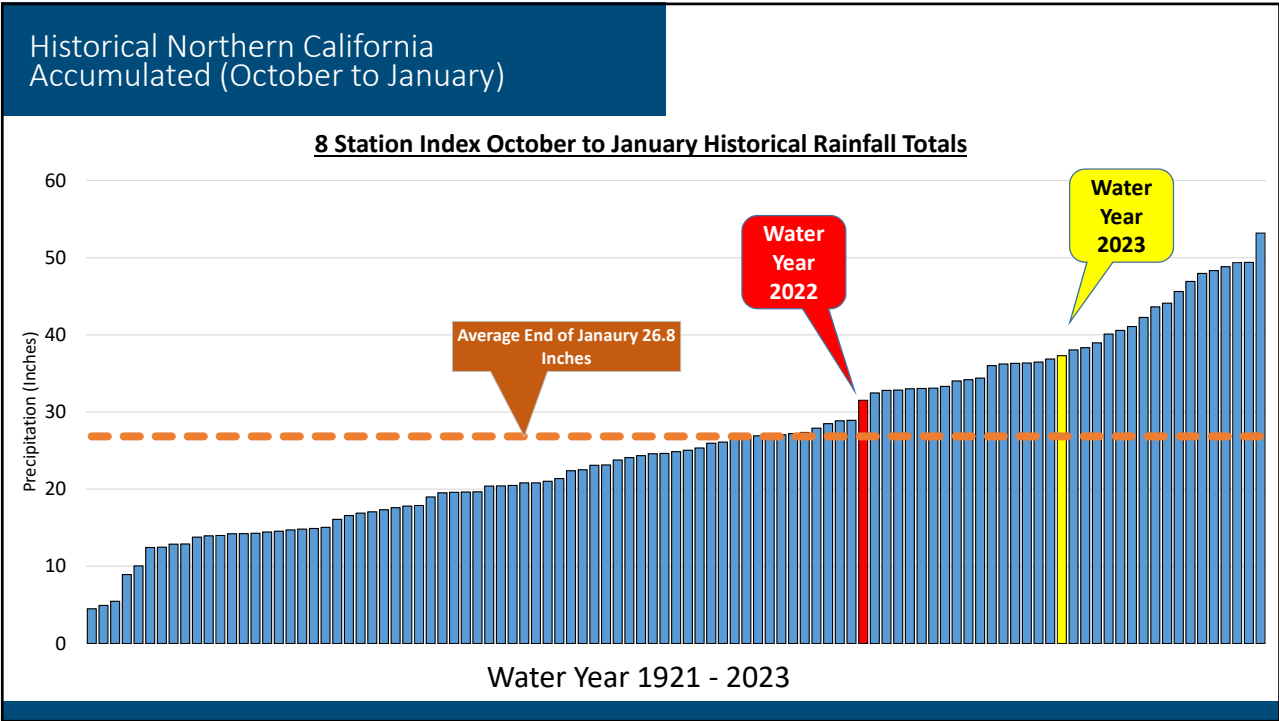
Insight to regional water supply conditions that affect Orange County's water supply

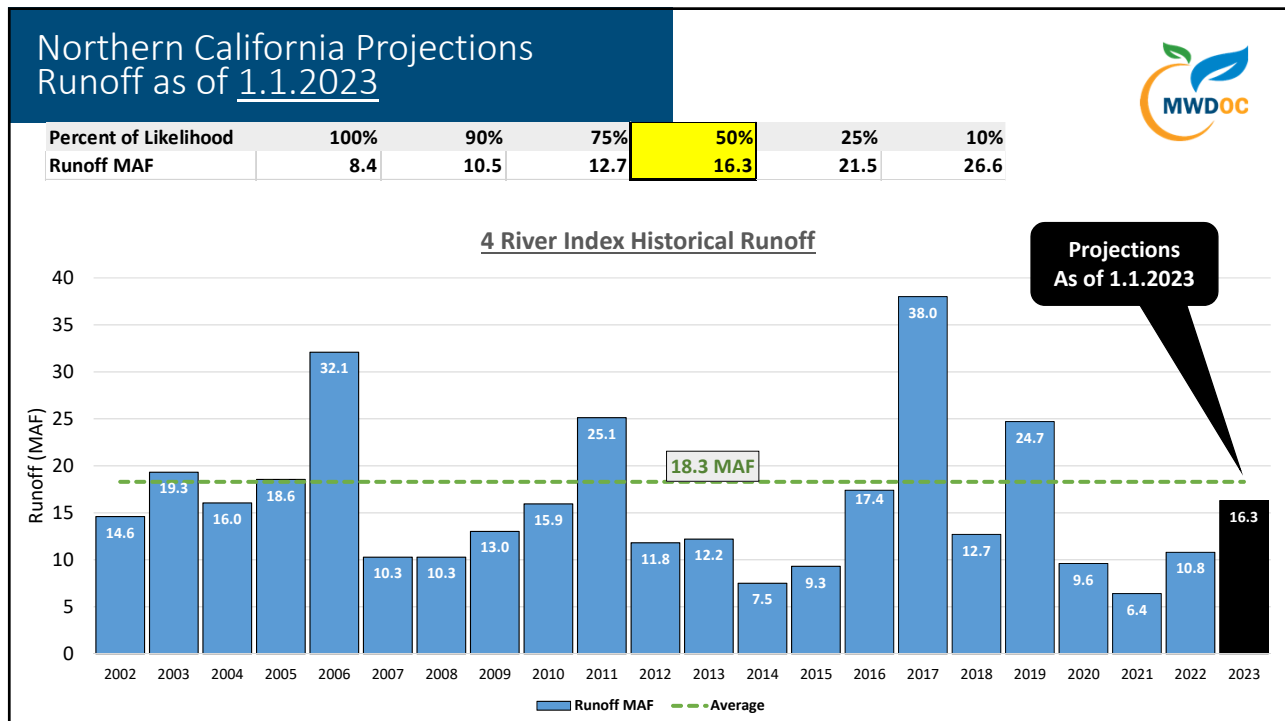
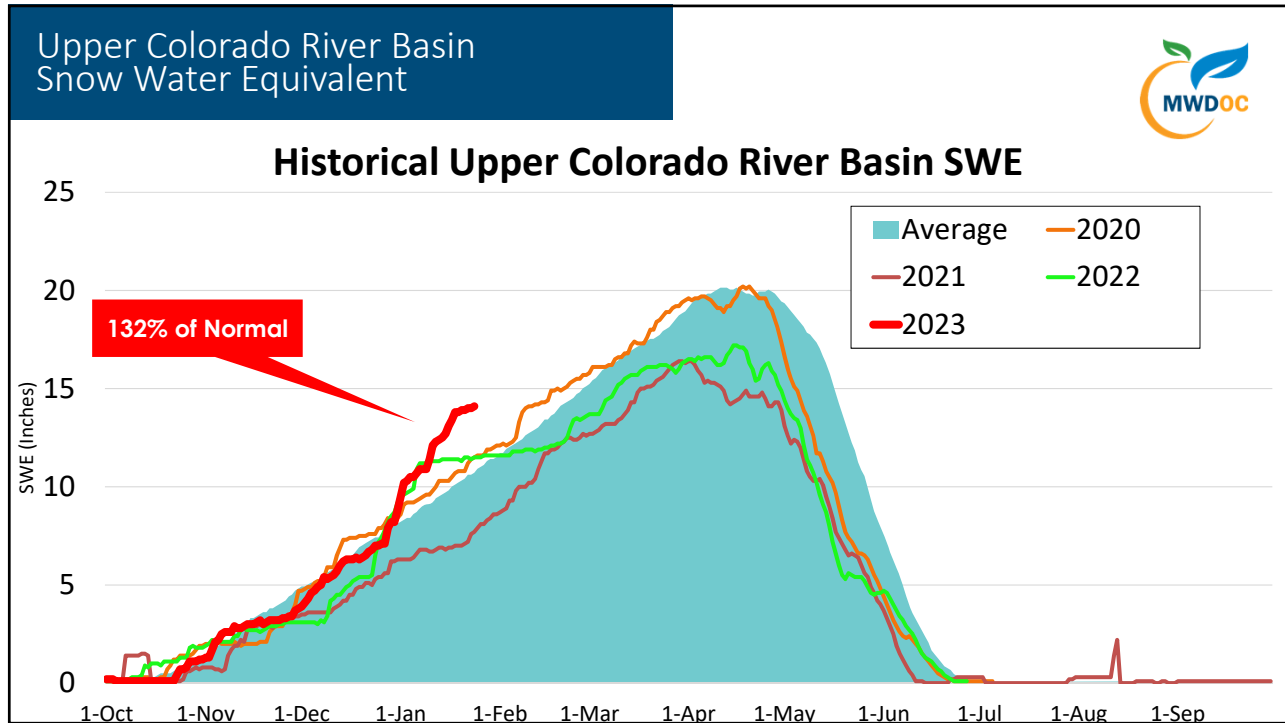
## Northern California Accumulated Precipitation WY 2023



## Northern California Accumulated Precipitation Compared to Last 5 Water Years

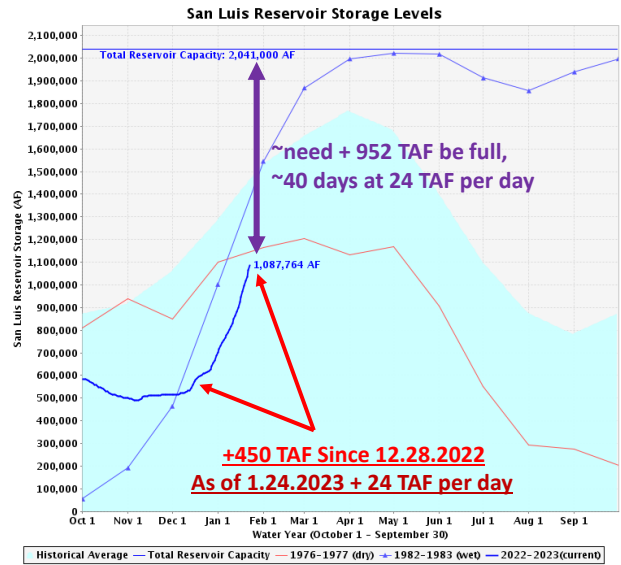
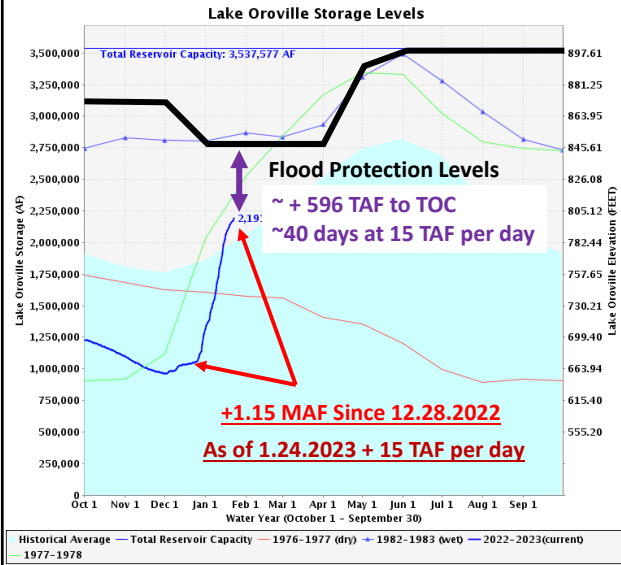






Percent of Likelihood	100%	90%	75%	50%	25%	10%
Runoff MAF	8.4	10.5	12.7	16.3	21.5	26.6

# Lake Oroville Storage and San Luis Storage



# Delta Operations



## EXECUTIVE OPERATIONS SUMMARY ON 1/23/2023

This summary, State Water Project informational data, and data for previous 30 days can also be found at:  
<https://water.ca.gov/Programs/State-Water-Project/Operations-and-Maintenance/Operations-and-Delta-Status>

### SCHEDULED EXPORTS FOR TODAY

- Clifton Court Inflow = 9,500 cfs
- Jones Pumping Plant = 4,100 cfs

**Combine Diversion = 13,600 cfs**

**Diversion Capacity = 15,500 cfs**

**Difference = -1,900 cfs**

### ESTIMATED DELTA HYDROLOGY

- Total Delta Inflow ~ 93,904 cfs
- Sacramento River = 61,721 cfs
- San Joaquin River = 20,770 cfs

**High South Delta SJR Flows**

### RESERVOIR RELEASES

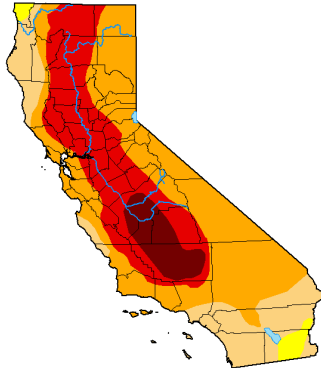
- (Shasta) Keswick = 3,550 cfs
- (Folsom) Nimbus = 10,000 cfs
- Oroville = 950 cfs

**Combine Releases = 14,500 cfs**

## California Drought Monitor

### December 27, 2022

#### U.S. Drought Monitor California



December 27, 2022  
(Released Thursday, Dec. 29, 2022)  
Valid 7 a.m. EST

	Drought Conditions (Percent Area)					
	None	D0-D1	D2-D3	D3-D4	D4	
Current	0.00	100.00	97.94	80.56	35.50	7.16
Last Week (12-20-2022)	0.00	100.00	97.94	80.56	35.50	7.16
3 Months Ago (09-27-2022)	0.00	100.00	99.76	94.01	40.91	16.57
Start of Calendar Year (01-04-2022)	0.00	100.00	99.30	97.62	16.60	0.84
Start of Water Year (09-25-2021)	0.00	100.00	99.76	94.01	40.91	16.57
One Year Ago (12-28-2021)	0.00	100.00	100.00	95.28	32.93	0.84

**Intensity**  
 None  
 D0 Abnormally Dry  
 D1 Moderate Drought  
 D2 Severe Drought  
 D3 Extreme Drought  
 D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/about.aspx>.

Author:

Richard Heim

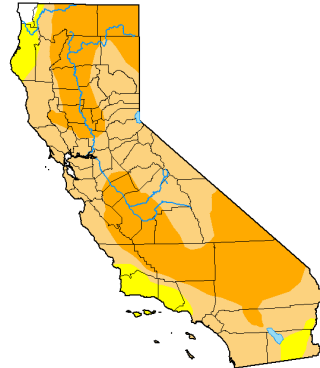
NCEI/NOAA



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

### January 17, 2022

#### U.S. Drought Monitor California



January 17, 2023  
(Released Thursday, Jan. 19, 2023)  
Valid 7 a.m. EST

	Drought Conditions (Percent Area)					
	None	D0-D1	D2-D3	D3-D4	D4	
Current	0.64	99.36	92.12	42.84	0.00	0.00
Last Week (01-10-2023)	0.00	100.00	95.38	49.00	0.32	0.00
3 Months Ago (10-16-2022)	0.00	100.00	99.77	91.83	40.91	16.57
Start of Calendar Year (01-03-2023)	0.00	100.00	97.93	71.14	27.10	0.00
Start of Water Year (09-25-2022)	0.00	100.00	99.76	94.01	40.91	16.57
One Year Ago (01-18-2022)	0.00	100.00	99.25	66.39	1.39	0.00

**Intensity**  
 None  
 D0 Abnormally Dry  
 D1 Moderate Drought  
 D2 Severe Drought  
 D3 Extreme Drought  
 D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/about.aspx>.

Author:

Deborah Bathie

National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

## Water Supply Conclusions

- The new water year officially started October 1<sup>st</sup>, 2022. As of mid January Northern California precipitation is well above average and snowfall is well above average.
- Accumulated Precipitation in Northern California the last three years was extremely low.
- Key State/Federal Reservoirs Levels are beginning to rebound from years of below average precipitation.
- Snowpack for the Colorado River is above average.
- Unfortunately the Colorado River System is still in shortage and is projected to be in shortage for the next 5 years.

