

### **Summary:**

- **More record breaking dryness**
- **Significant drops to water supply forecasts**
- **Long range models continue to show dry forecasts**

### **Details:**

Well, February is in the books, and this year's Jan-Feb precipitation totals are the driest on record by a long shot for all of the Central Valley precipitation indices. The combined 8, 5, and 6 station index was 2.4 inches. The driest before was 7.5 inches back in 2013. The top ten driest combined station Jan/Feb periods are listed below.

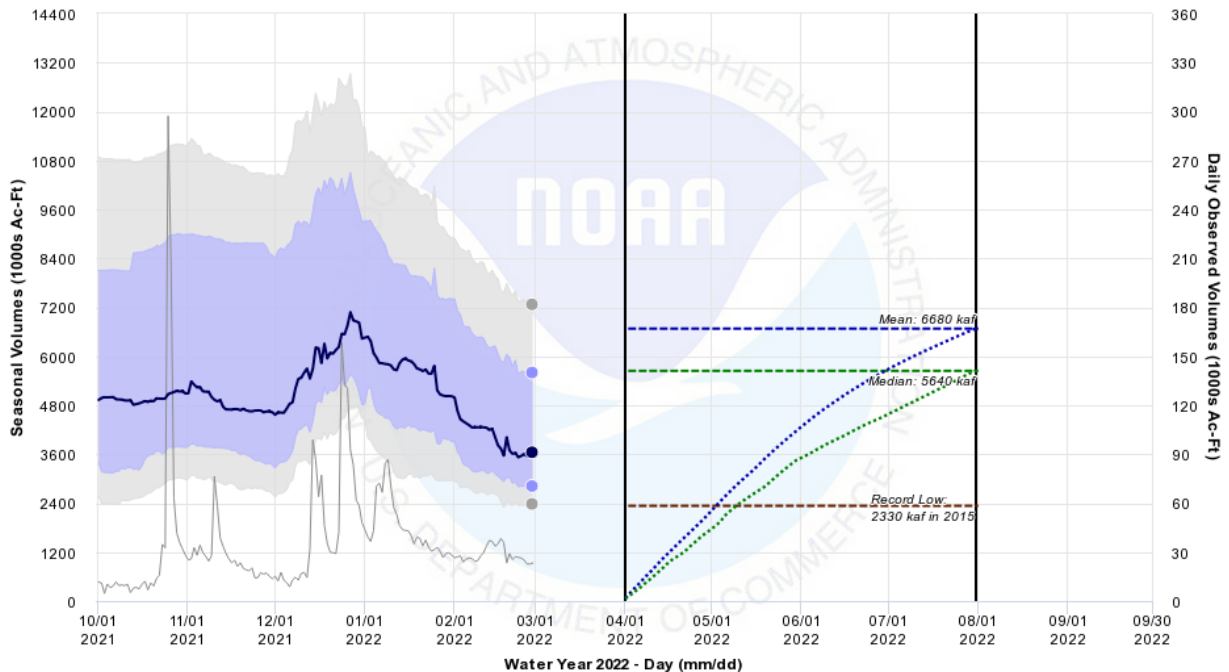
	8 Sta Jan+Feb	5 Sta Jan+Feb	6 Sta Jan+Feb	All Jan+Feb
2022	1.7	0.2	0.5	2.4
2013	2.12	1.97	3.42	7.51
2020	4.83	1.61	1.25	7.69
1991	3.99	2.99	2.69	9.67
1924	7.49	4.08	2.15	13.72
1971	6.71	4.91	3.55	15.17
1976	6.67	5.07	3.5	15.24
1977	6.32	5.19	3.75	15.26
1947	7.53	4.65	3.13	15.31
1984	6.88	5.22	3.66	15.76

As you can see, 2020 also had a very dry January and February. As was mentioned in a previous update, the 2020-2022 period is also the driest three year stretch on record for the combined station index.

With the record breaking dry January-February came significant drops in water supply forecasts. Back on January 1st, the Sacramento Valley index has a 50% April-July runoff volume forecast of 6.5 MAF, but by Feb 28th, that forecast dropped nearly 3 MAF down to 3.6 MAF. The San Joaquin index forecast dropped nearly 2 MAF down to 2.4 MAF from 4.6 MAF on January 1st.

**SACRAMENTO VALLEY WSI (SACC0) 02/28/2022**  
**Median Forecast: 3650 kaf | 55% of Mean | 65% of Median**

Created: 02/28/2022 at 09:15 AM PST



**Observed Season to Date Percent of Mean: N/A% (M kaf)      Season to Date Mean: kaf**  
**Historical Apr-Jul Vol Max: 13500 kaf in 2006      Historical Apr-Jul Vol Min: 2330 kaf in 2015**

**This product only considers meteorological uncertainty and does not account for hydrologic uncertainty.**  
**Means/medians are based on the period of Water Years 1980 through 2020.**

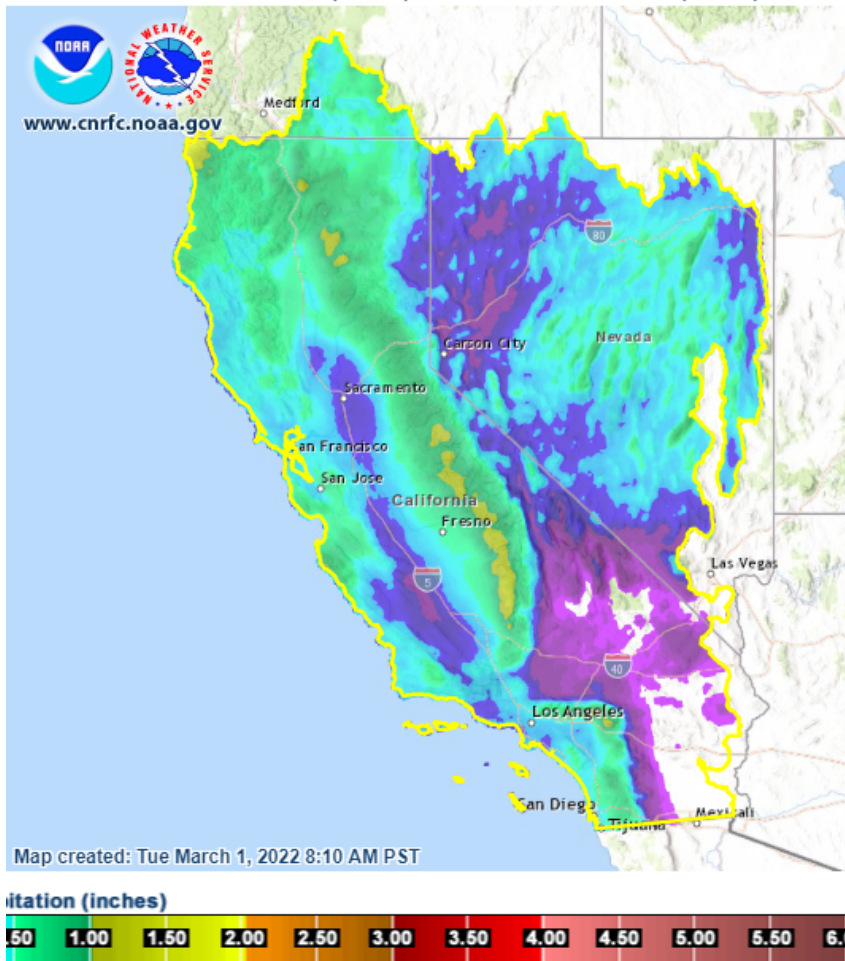
**Legend entries below can be toggled on/off.**

— Apr-Jul Vol Mean	— Apr-Jul Vol Median	● Season to Date Mean	● Season to Date Median	● Season to Date Obs
— Daily Obs	● ESP Apr-Jul Fcst 50%	● ESP Apr-Jul Fcst 25/75%	● ESP Apr-Jul Fcst 10/90%	● ESP Apr-Jul Fcst Max/Min
— Record Low	— Record High	▼ Snow Model Updates		

As of now, it doesn't look like there is a miracle March in store to help offset some of the record low precipitation in January-February. A little light precipitation is expected over the first week of March, but mainly less than an inch. CPC is expecting below normal precipitation for the second week of March. There is a glimmer of hope with CW3E's week three AR forecast covering March 11 through the 17th period. It is indicating there is a reasonable chance of above normal AR activity for that period. Let's hope we can close out March on a positive note!

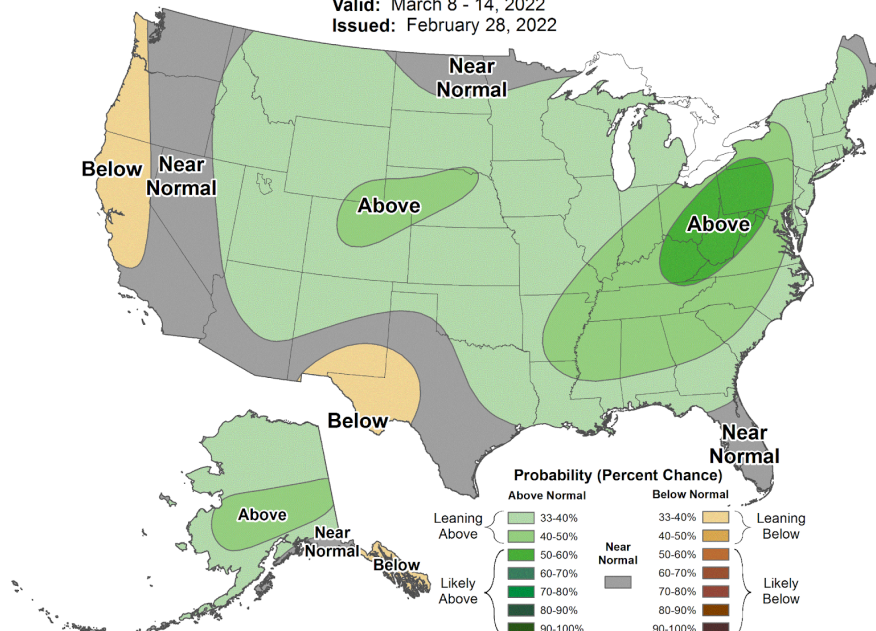
## 6-Day Precipitation Forecast

Tue Mar 01 04 AM PST (01/12Z) to Mon Mar 07 04 AM PST (07/12Z)



## 8-14 Day Precipitation Outlook

Valid: March 8 - 14, 2022  
Issued: February 28, 2022



NCEP Experimental Forecast Initialized: Feb 24, 2022

