





### **Mammoth Mountian - Main Lodge - Snow in Inches**

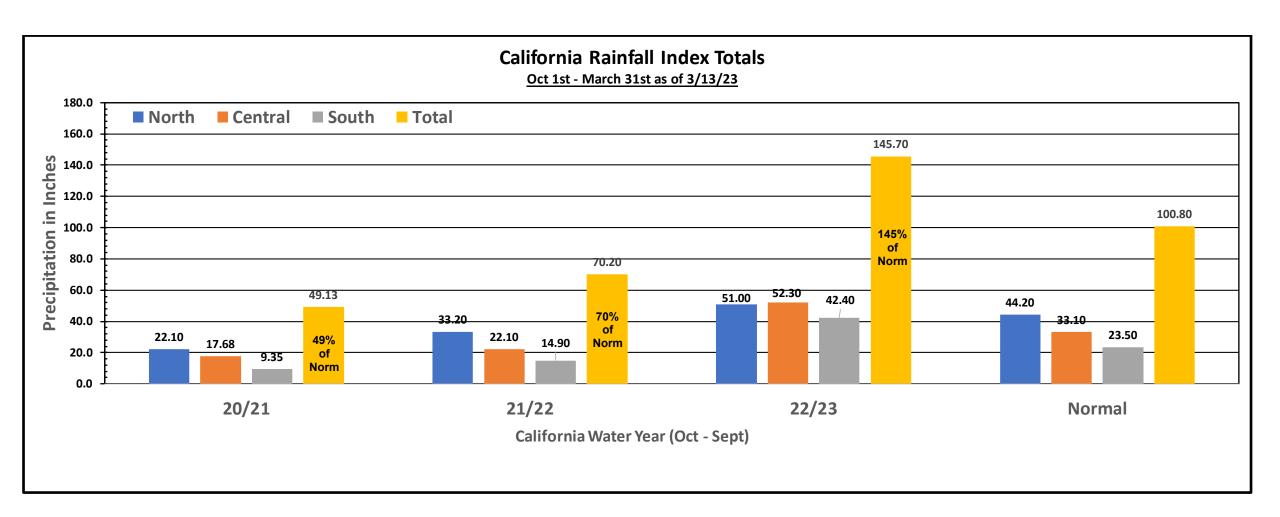
New Snow in	March	Historical Records							
March 2023	New Snow	Throug	h March	Season Total					
as of 3/13/23	Record - 2011	WY '22/'23	WY '10/'11	Normal	'10/'11				
102	178	600	593	400	669				
102	1/0	800	595	400	009				

As of 3/13/23, the year-to-date precipitation index totals average 162% of normal statewide. This is up from 141% on February 13<sup>th</sup> due to the wetter weather pattern we have been experiencing over the past 23 days.

# YTD California Precipitation Index Totals As of 3/13/23

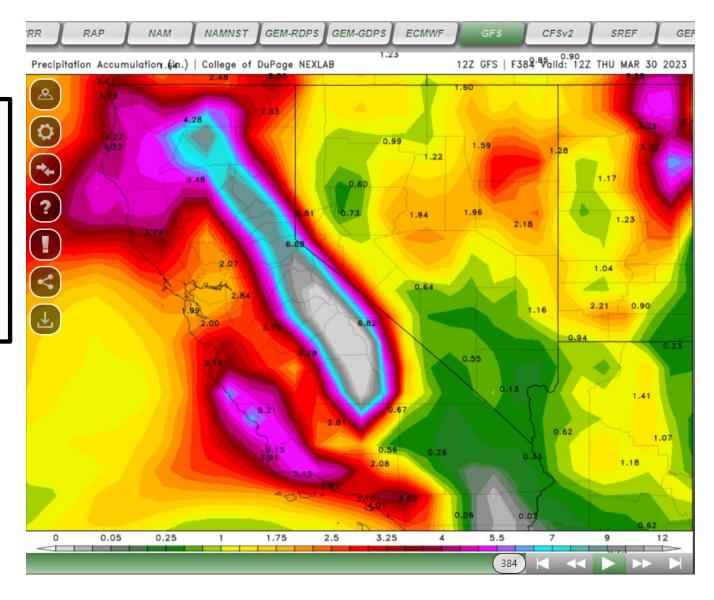
	inches	% of YTD		
Region	of Precip	Normal		
8 Station Northern	51.0	129%		
5 Station Central	52.3	178%		
6 Station Southern	42.4	203%		
<b>Combined Stations:</b>	145.7	162%		

If you compare the current precipitation totals today (3/13/23) to the full year-to-date totals the past two years (Oct 1<sup>st</sup> –Mar 13<sup>th</sup>), you can see we will remain well ahead of those years by the end of March even if California receives no further precipitation for the remainder of the month!

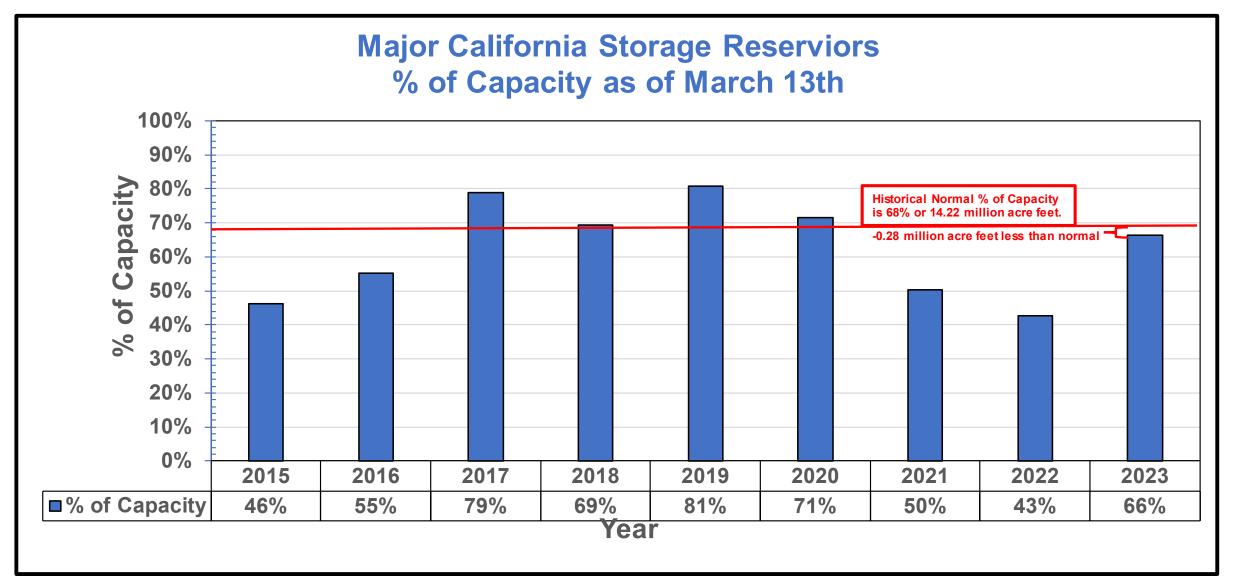


## **Current 16-day Precipitation Forecast – as of 3/13/23**

The current 16-Day GFS Precipitation 12z Model run as of 3/13/23 shows a continued wet pattern but not as wet as we have experienced over the past 23 days, with most of the precipitation coming from 3/14 - 3/26/2023.

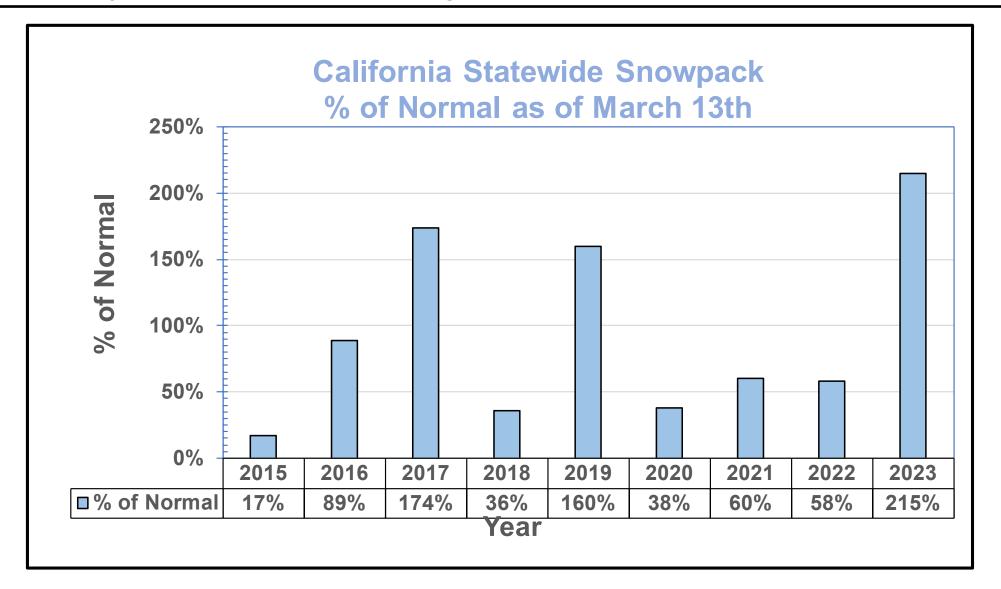


The Combined Reservoir level have increased by 7.6-million-acre feet since December 11<sup>th</sup>, 2022. However, the total volume storage as of 3/13/23 is still remains slightly below normal for this time of year (-280,000-acre-feet).

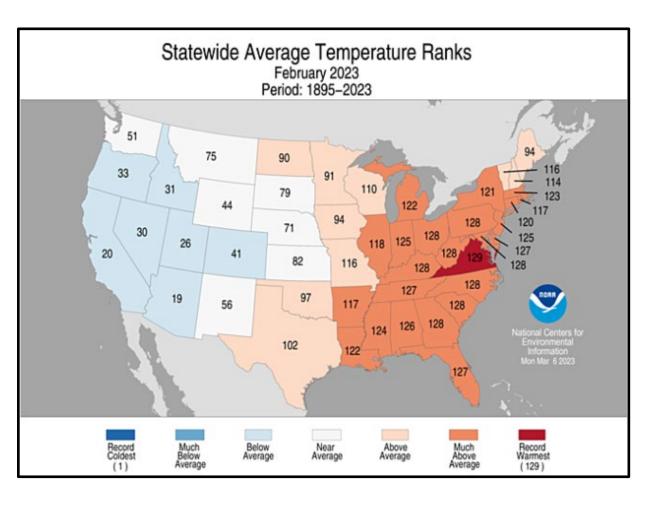


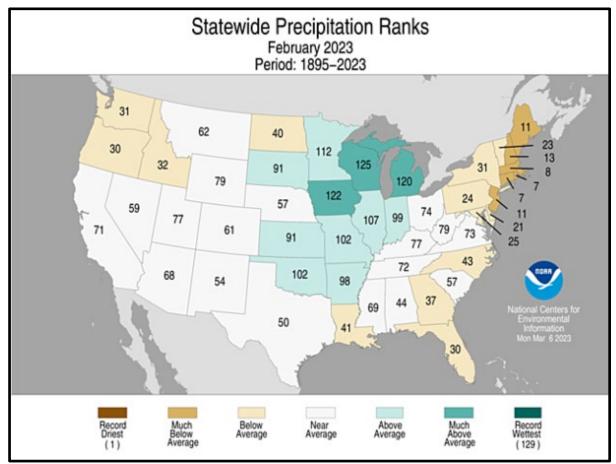
Reservoir asta (F) nity (F) oville (S)	Capacity	2015	2016					3th											
nity (F)			2010	2017	2018	2019	2020	2021	2022	2023	2015	2016	2017	2018	2019	2020	2021	2022	2023
, , ,	4.552	58%	79%	76%	77%	86%	78%	51%	38%	65%	2.640	3.596	3.460	3.505	3.915	3.551	2.322	1.730	2.95
nville (S)	2.448	48%	45%	80%	74%	74%	83%	52%	32%	33%	1.175	1.102	1.958	1.812	1.812	2.032	1.273	0.783	0.80
ovine (3)	3.538	50%	70%	84%	43%	74%	64%	39%	46%	77%	1.769	2.477	2.972	1.521	2.618	2.264	1.380	1.627	2.72
w Melones (F)	2.420	25%	22%	70%	80%	85%	79%	64%	40%	51%	0.605	0.532	1.694	1.936	2.057	1.912	1.549	0.968	1.2
som (F)	0.977	59%	69%	42%	56%	65%	43%	35%	53%	57%	0.576	0.674	0.410	0.547	0.635	0.420	0.342	0.518	0.5
n Luis (F,S)	2.039	67%	48%	99%	79%	99%	69%	56%	44%	87%	1.366	0.979	2.019	1.611	2.019	1.407	1.142	0.897	1.77
n Pedro (L)	2.030	43%	53%	93%	82%	85%	80%	68%	59%	84%	0.873	1.076	1.888	1.665	1.726	1.624	1.380	1.198	1.70
llerton (F)	0.520	39%	63%	55%	65%	82%	53%	33%	55%	69%	0.203	0.328	0.286	0.338	0.426	0.276	0.172	0.286	0.35
chequer (L)	1.025	9%	25%	77%	68%	69%	61%	38%	29%	76%	0.092	0.256	0.789	0.697	0.707	0.625	0.390	0.297	0.77
ramid (S)	0.171	85%	85%	88%	87%	87%	85%	86%	91%	86%	0.145	0.145	0.150	0.149	0.149	0.145	0.147	0.156	0.14
staic (S)	0.325	30%	31%	92%	81%	82%	83%	78%	57%	67%	0.098	0.101	0.299	0.263	0.267	0.270	0.254	0.185	0.21
ne Flat (F)	1.000	17%	33%	70%	54%	65%	52%	25%	33%	68%	0.170	0.330	0.700	0.540	0.650	0.520	0.250	0.330	0.68
tal:	21.045	46%	55%	79%	69%	81%	71%	50%	43%	66%	9.713	11.595	16.625	14.583	16.979	15.045	10.599	8.975	13.94
ange vs. February 27th 2023:	21.043	1.0%	11.2%	-1.8%	1.5%	4.7%	-0.6%	0.2%	0.1%	6.6%	0.217	2.357	(0.389)	0.321	0.981	(0.127)	0.034	0.019	1.38
		2.075		2.0%	2.075	,	0.070	0.275	0.2,0	0.070	0.22		(		February 2	, ,	0.00	0.025	
Statewide Snowpack as a % of Normal as of Mar 13th, 2023:			89%	174%	36%	160%	38%	60%	58%	215%	<u></u>				Change Si	nce Decem	ber 11th 20	)22	7.60
owpack: Avg. Statewide snow water equivalent	inches:	4.6	24.1	46.9	9.8	42.7	10.3	16.2	15.8	53.6									
			. 0						Current	. Same Time L	aat Vaari	4.968	240/	ı		= 3.51 M ad	<b>f</b> t l		
	= Lowest over the past 9 years = CVP Reservoirs (San Luis is both CVP & DWR)									0.929	24% 4%	L							
	] = CVP Rese	ervoirs (San	Luis is both	CVP&DV	VK)				current vs.	. Prior 8yr Avg	3:	0.929	4%			vs. Last yea Agricultura		•	
										Initial					•	Agricultura	i Supply Re	servons.	
		2015	2016	2017	2018	2019	2020	2021	2022	2023		Current vs.	YTD Norn	nal:			98%		
												LY vs. YTD I	Normal:				62%		
deral Water Supply (CVP)											_								
rth of Delta Ag		0%	100%	100%	100%	100%	50%	0%	0%	35%		Initial A	Allocation r	eleased or	1 February	22, 2023			1
rth of Delta Exchange/Settlement Contractors		75%	100%	100%	100%	100%	100%	75%	18%	100%					I				
															·				
uth of the Delta Ag		0%	5%	100%	50%	75%	20%	0%	0%	35%	Initial Allocation released on February 22, 2023				İ				
uth of the Delta Exchange/Settlement Contractors		75%	100%	100%	100%	100%	100%	75%	75% or less	100%	Initial Allocation released on February 22, 2023				1				
ant Class 1		0%	75%	100%	88%	100%	65%	20%	30%	100%	Initial Allocation released on February 22, 2023					1			
ant Class 2		0%	0%	0%	130K AF	0%	0%	0%	0%	20%					n February				İ
ate Water Allocation		20%	60%				20%	5%	5%			tion was 5%							1

As of March 13<sup>th</sup>, 2023, the State-wide average snowpack is 215% of normal (up from 181% of normal on February 27<sup>th</sup>) and already totals 206% of the April 1<sup>st</sup> average! Wow! The previous highest % of normal was seen on March 13th, 2017 (174% of normal & 167% of the April 1<sup>st</sup> average). This is a new record for this point in the water year with more storms coming from the 14<sup>th</sup>-26<sup>th</sup> of March!

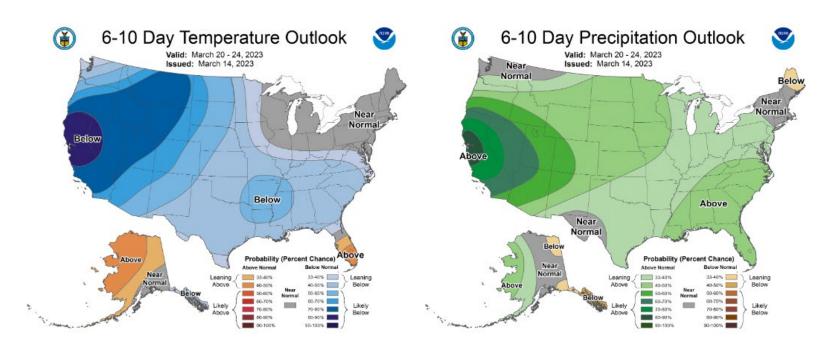


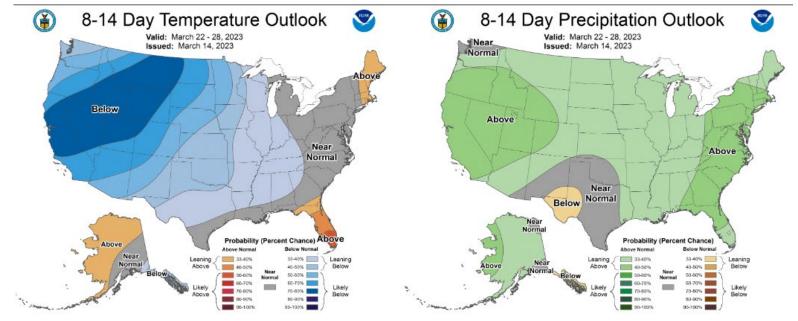
# February 2023 was the 20<sup>th</sup> Coldest and 71<sup>st</sup> Wettest February on record (based on 128 years of record keeping)



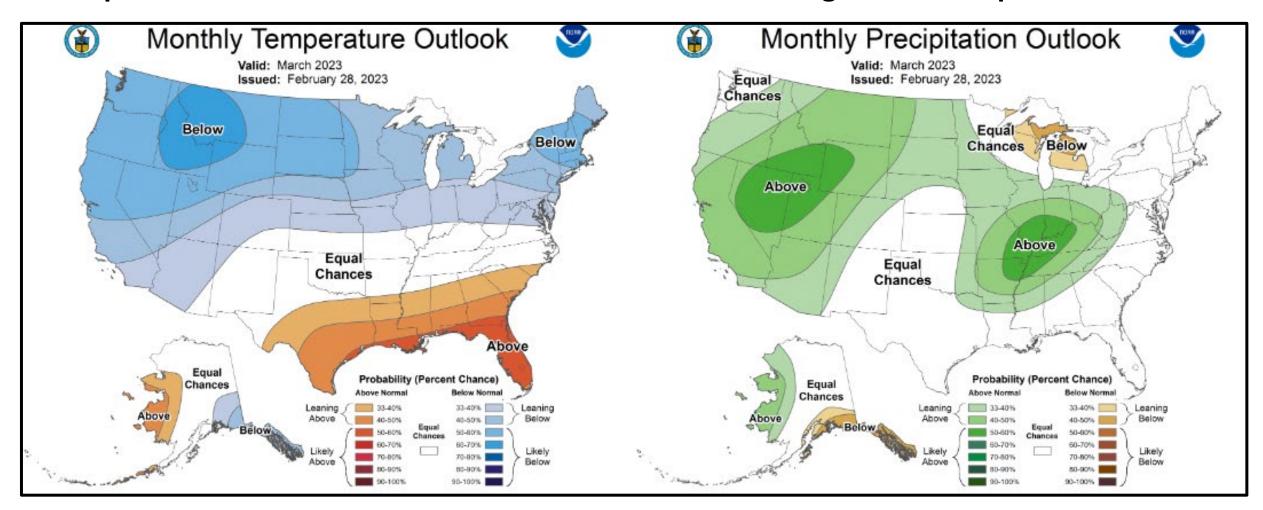


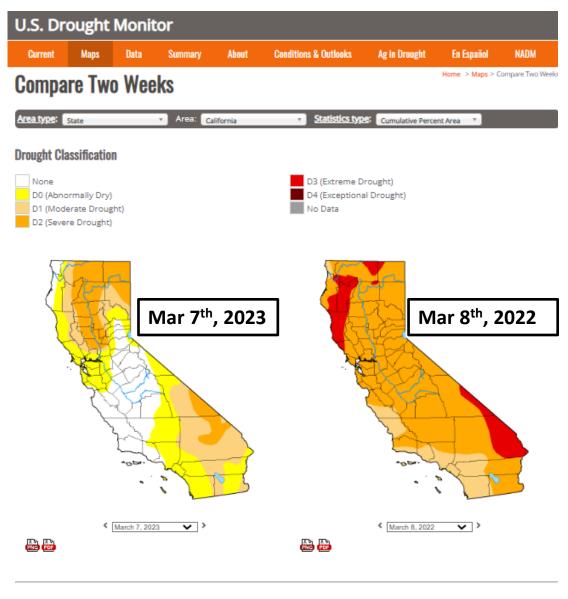
The Current NOAA 6-10 Day & 8-14 Day Temperature and Precipitation Outlooks are showing that a continuation of colder than normal temperatures and higher normal precipitation is likely to occur in California through the 28<sup>th</sup> of March.





The Current NOAA Temperature and Precipitation Outlook for March that was made on February 28<sup>th</sup> showed below normal temperatures and above average precipitation should be expected for California. That forecast seems to be holding true at this point.





#### **Statistics Comparison**

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2023-03-07	26.84	73.16	43.06	19.00	0.00	0.00	135
2022-03-08	0.00	100.00	100.00	86.98	12.82	0.00	300
Change	-26.84	26.84	56.94	67.98	12.82	0.00	165

The California Drought Monitor shown to the right compares current conditions on 3/7/23 to the same period one year ago (3/8/22).

As you can see, conditions significantly better than the levels seen last year with a large area in the central state region completely out of drought!

This current map is a significant improvement vs. the map below at the end of October 2022 due to the wet winter.

