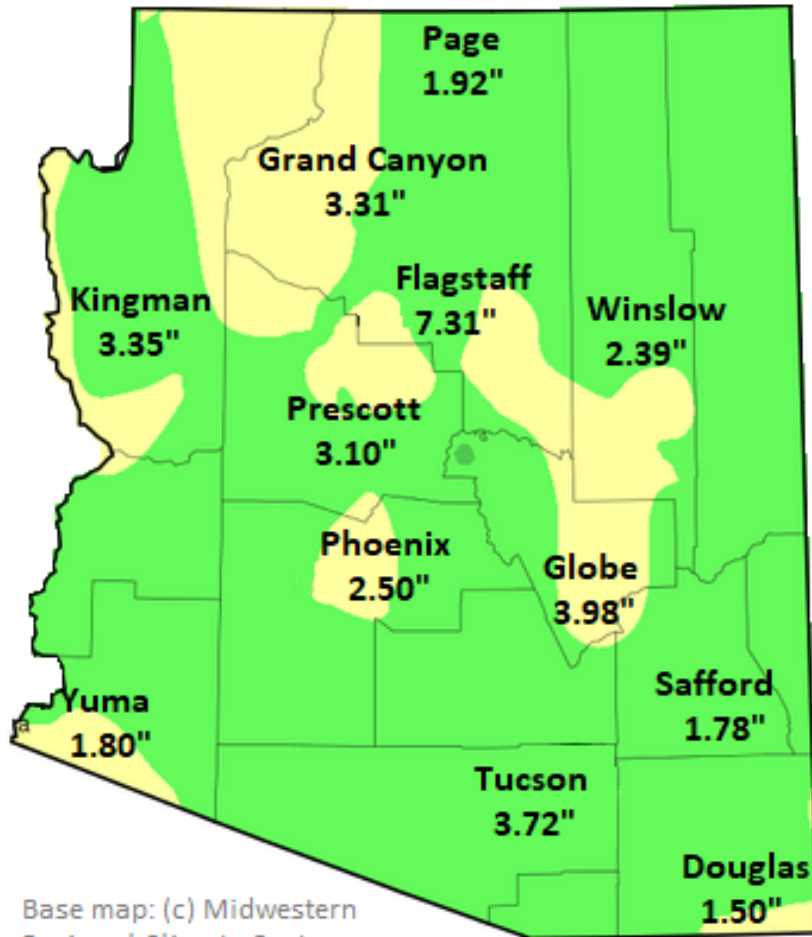


# Total Precipitation

January 1 - March 19, 2024



Base map: (c) Midwestern Regional Climate Center

@AZStateClimate

Departure from 1991-2020 normals (inches)

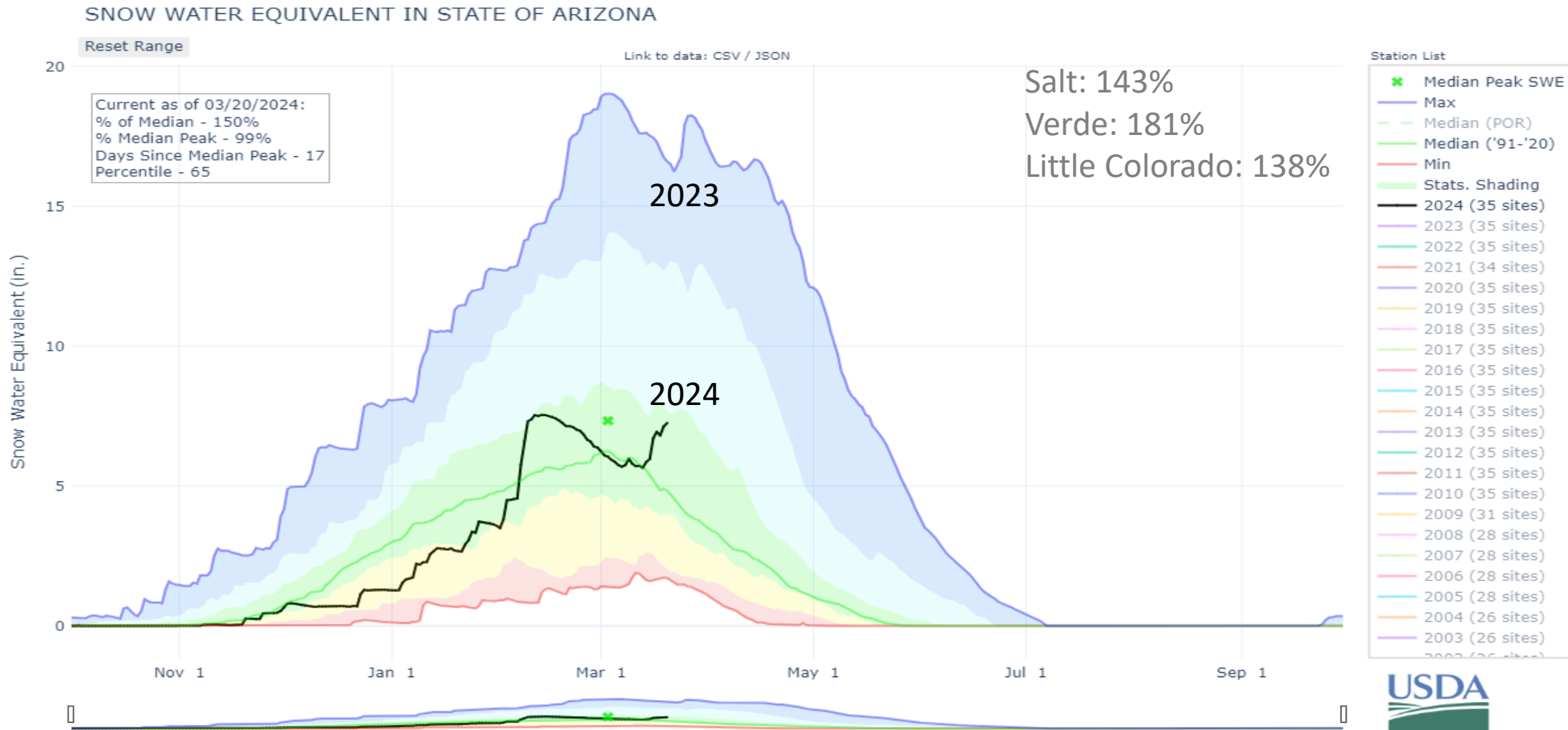


## 2024 precipitation

### Slightly above average most of state

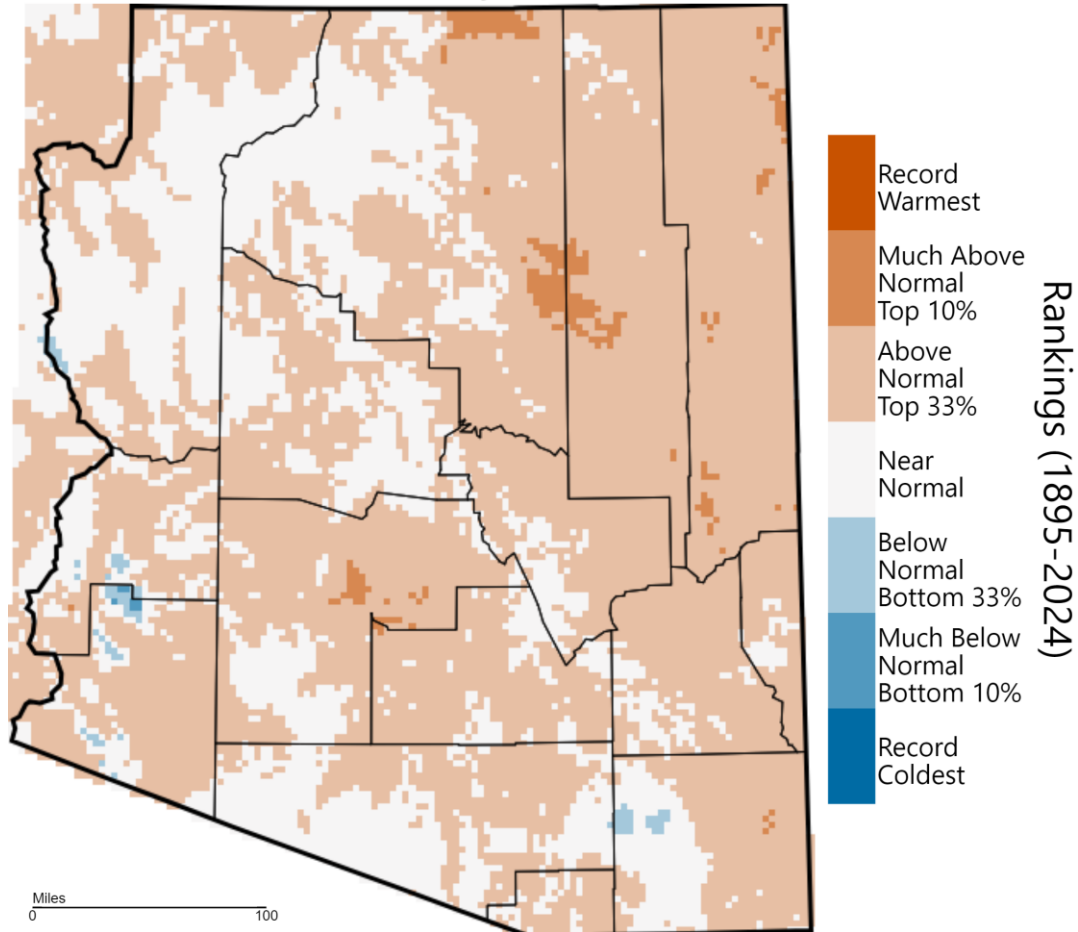
*Yesterday's March 20 event not on this map...way to go both Globe and Phoenix with another 0.02", and Prescott with another 0.01"!*

# Arizona SWE 150% of median (as of Mar 20, 2024)



# February: warmer than normal

**Arizona - Mean Temperature**  
February 2024, Percentile



Miles  
0 100

WestWide Drought Tracker, WRCC, Climate Engine, Data Source: PRISM Prelim, created 05 Mar 2024

## Monthly County Average Temperature

February 2024

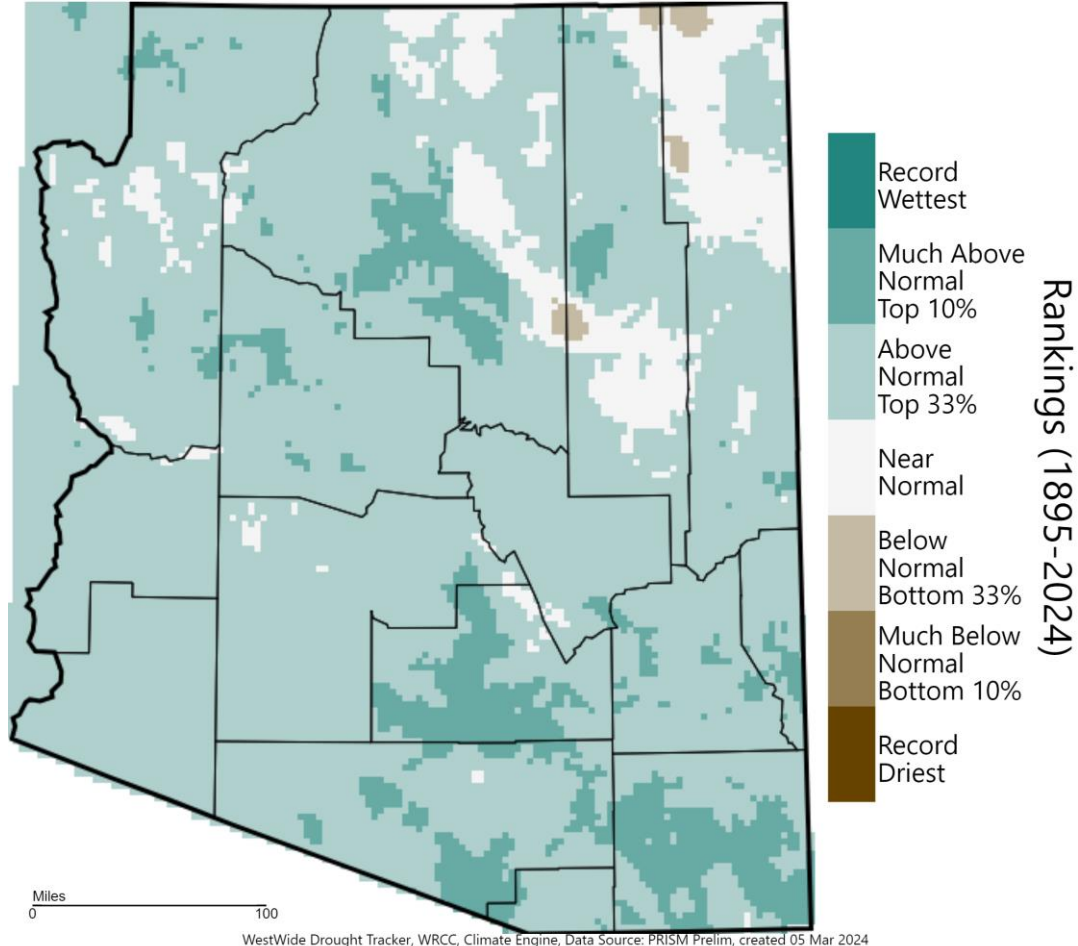
*Preliminary data from NOAA/NCEI*

Arizona Counties	Temp	Depart	Rank
Apache	37.6°	3.1°	25 <sup>th</sup> warmest
Cochise	48.9°	2.0°	37 <sup>th</sup> warmest
Coconino	39.1°	2.6°	33 <sup>rd</sup> warmest
Gila	46.1°	1.8°	44 <sup>th</sup> warmest
Graham	48.0°	1.9°	37 <sup>th</sup> warmest
Greenlee	44.2°	2.2°	33 <sup>rd</sup> warmest
La Paz	57.6°	2.0°	40 <sup>th</sup> warmest
Maricopa	56.9°	2.2°	35 <sup>th</sup> warmest
Mohave	48.5°	2.3°	40 <sup>th</sup> warmest
Navajo	38.7°	2.9°	28 <sup>th</sup> warmest
Pima	54.7°	2.0°	38 <sup>th</sup> warmest
Pinal	55.1°	1.9°	41 <sup>st</sup> warmest
Santa Cruz	49.2°	2.3°	29 <sup>th</sup> warmest
Yavapai	45.8°	1.7°	44 <sup>th</sup> warmest
Yuma	58.8°	1.9°	39 <sup>th</sup> warmest

Record coldest | Top 10% coldest | Top 33% coldest | Normal | Top 33% warmest | Top 10% warmest | Record warmest

# February: wetter than normal

**Arizona - Precipitation**  
February 2024, Percentile



WestWide Drought Tracker, WRCC, Climate Engine, Data Source: PRISM Prelim, created 05 Mar 2024

## Monthly County Precipitation

February 2024

*Preliminary data from NOAA/NCEI*

Arizona Counties	Total	Depart	Rank
Apache	0.94"	-0.05"	52 <sup>nd</sup> wettest
Cochise	1.22"	0.27"	36 <sup>th</sup> wettest
Coconino	1.65"	0.41"	34 <sup>th</sup> wettest
Gila	3.28"	1.18"	24 <sup>th</sup> wettest
Graham	1.84"	0.58"	32 <sup>nd</sup> wettest
Greenlee	1.73"	0.48"	36 <sup>th</sup> wettest
La Paz	1.00"	0.28"	32 <sup>nd</sup> wettest
Maricopa	1.75"	0.76"	21 <sup>st</sup> wettest
Mohave	2.08"	0.87"	24 <sup>th</sup> wettest
Navajo	0.88"	-0.08"	60 <sup>th</sup> wettest
Pima	1.39"	0.42"	31 <sup>st</sup> wettest
Pinal	2.10"	0.91"	20 <sup>th</sup> wettest
Santa Cruz	1.94"	0.69"	27 <sup>th</sup> wettest
Yavapai	2.66"	0.92"	27 <sup>th</sup> wettest
Yuma	0.90"	0.34"	28 <sup>th</sup> wettest

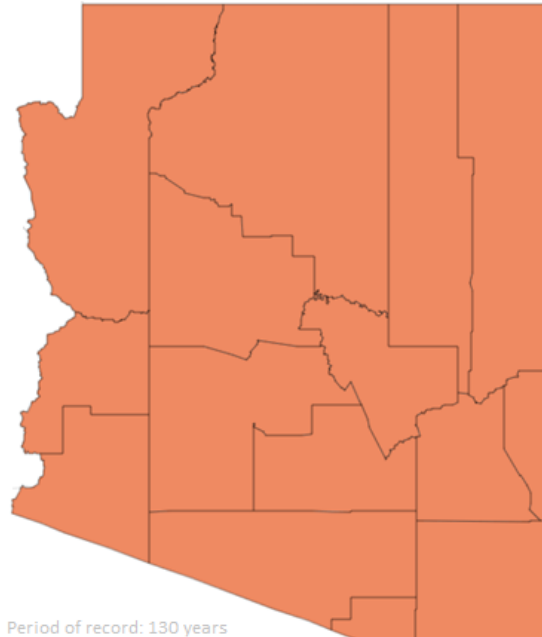
Record driest	Top 10% driest	Top 33% driest	Normal	Top 33% wettest	Top 10% wettest	Record wettest
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# WY2024: warmer and mostly drier

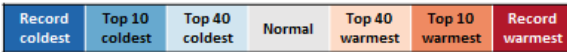
## WY2024 Arizona: October to February 2024

### Statewide Average Temperature

Temp: 50.3°F Rank: 7th warmest Anomaly: 2.9°F

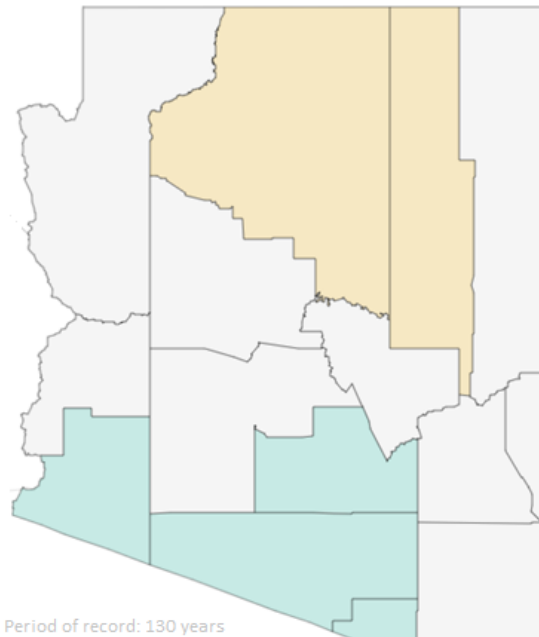


Period of record: 130 years  
Preliminary data from NOAA/NCEI @AZStateClimate

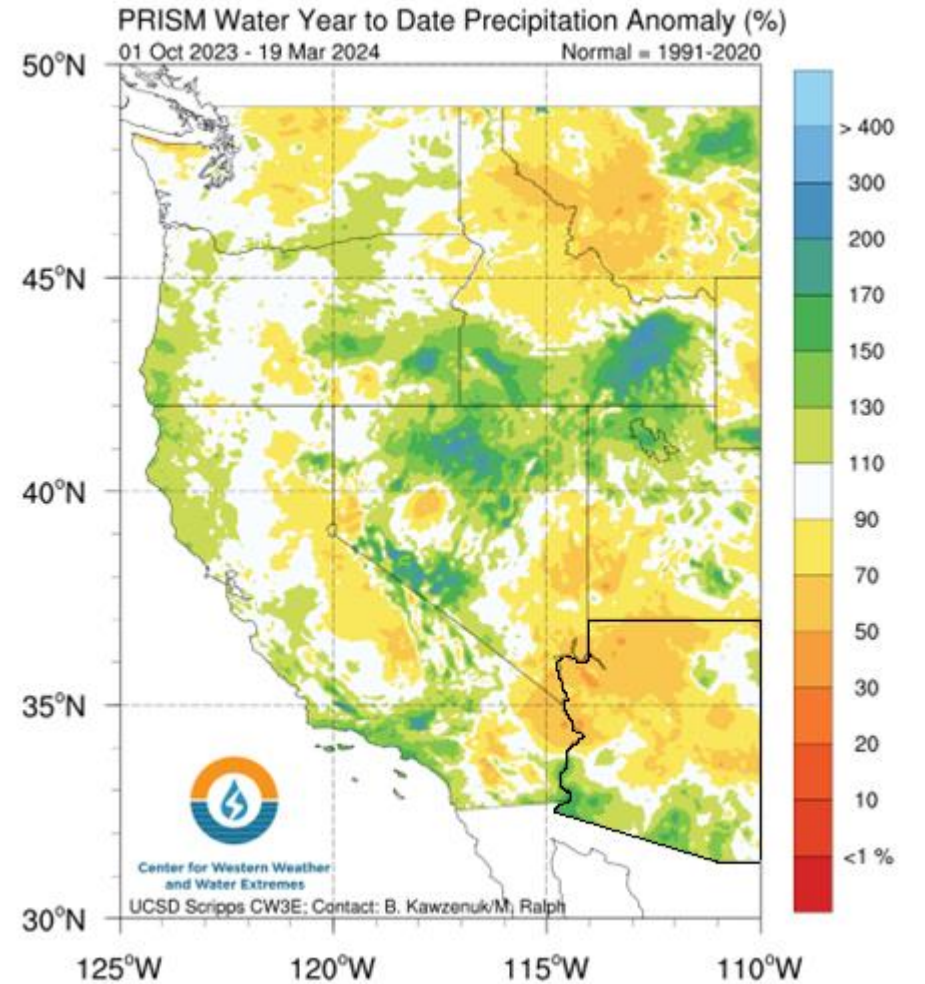
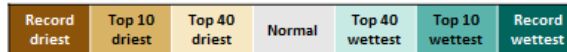


### Statewide Precipitation

Total: 4.56" Rank: 63rd driest Anomaly: -0.64"



Period of record: 130 years  
Preliminary data from NOAA/NCEI @AZStateClimate





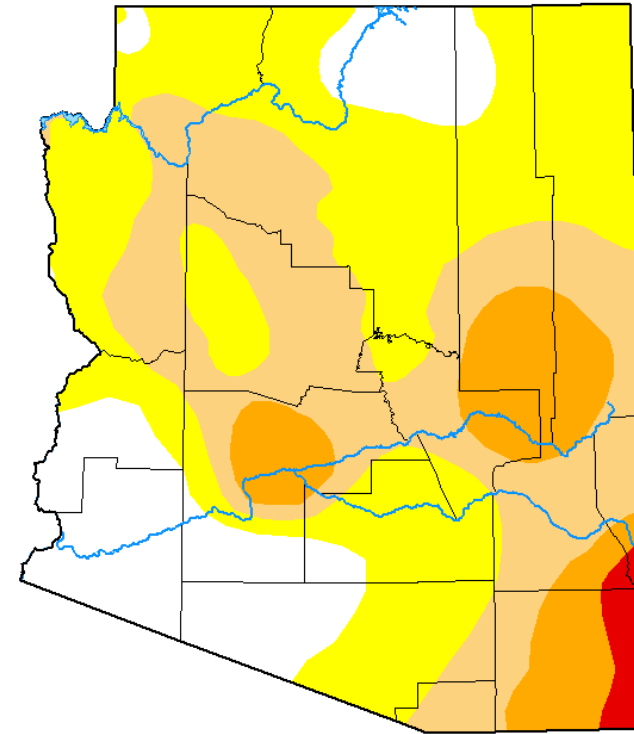
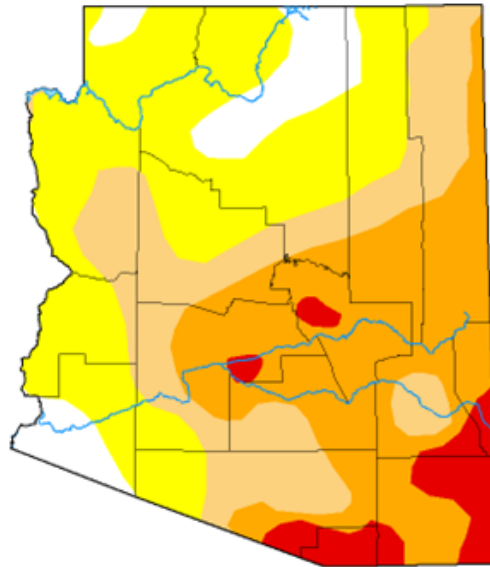
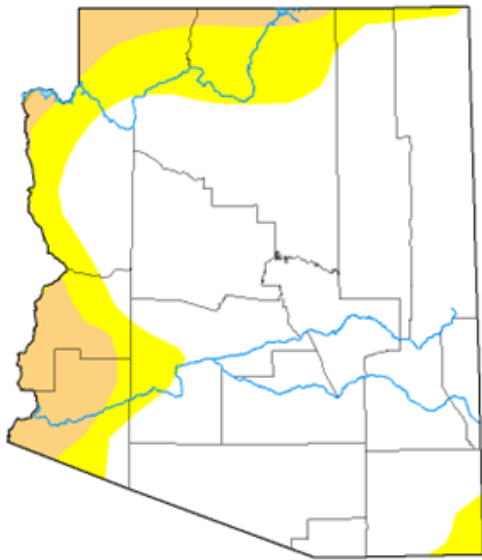
# Some improvement in short-term drought

## U.S. Drought Monitor Arizona

**March 19, 2024**  
(Released Thursday, Mar. 21, 2024)  
Valid 8 a.m. EDT

One year ago: March 21, 2023

3 months ago: December 19, 2023



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	17.42	82.58	42.56	13.19	1.83	0.00
<b>Last Week</b> 03-12-2024	13.54	86.46	48.58	17.05	1.83	0.00
<b>3 Months Ago</b> 12-19-2023	8.18	91.82	57.19	34.97	6.09	0.00
<b>Start of Calendar Year</b> 01-02-2024	5.62	94.38	53.37	33.54	5.75	0.00
<b>Start of Water Year</b> 09-26-2023	8.12	91.88	47.06	22.74	5.34	0.00
<b>One Year Ago</b> 03-21-2023	75.49	24.51	8.33	0.03	0.00	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:*

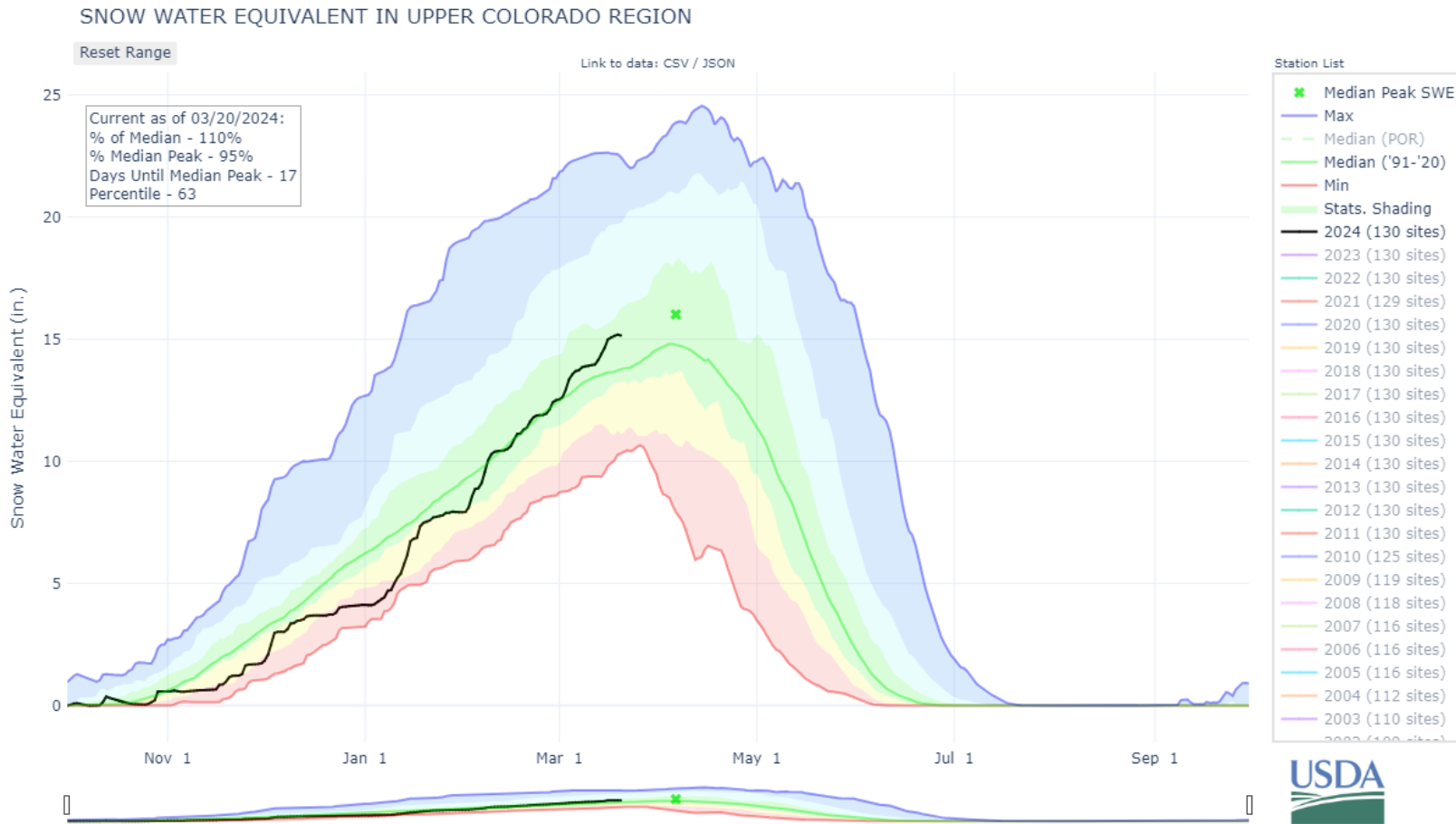
Brad Rippey  
U.S. Department of Agriculture



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

*Last year, many smaller wildfires  
No exceptionally large wildfires*

# Upper CO basin slightly above median



Colorado Basin River Forecast Center Mid-March 2024 Water Supply Outlook			
UPPER COLORADO RIVER BASIN			
Basin	Volume (KAF)	%Normal (1991-2020)	Period
Lake Powell	5400	85	Apr-Jul
Green River Basin			
Green-Flaming Gorge Reservoir	850	88	Apr-Jul
Yampa-Deerlodge	1320	111	Apr-Jul
Duchesne-Tabiona	102	99	Apr-Jul
Colorado River Headwaters			
Colorado-Kremmling	890	102	Apr-Jul
Eagle-Gypsum	315	94	Apr-Jul
Roaring Fork-Glenwood Springs	580	89	Apr-Jul
Colorado-Cameo	2130	94	Apr-Jul
Southwest Colorado			
Gunnison-Blue Mesa Reservoir	575	91	Apr-Jul
Dolores-McPhee Reservoir	200	78	Apr-Jul
San Juan-Navajo Reservoir	460	73	Apr-Jul
Animas-Durango	310	81	Apr-Jul
LOWER COLORADO RIVER BASIN			
Virgin-Virgin (*Regulated)	50	88	Apr-Jul
Little Colorado-Chevelon Creek	7.6	55	Jan-May
Verde-Above Horseshoe Dam	95	62	Jan-May
Salt-Roosevelt	181	73	Jan-May
Upper Gila-San Carlos Reservoir	59	81	Jan-May
GREAT BASIN			
Bear-UT/WY State Line	114	105	Apr-Jul
Weber-Oakley	110	99	Apr-Jul
Big Cottonwood Creek	40	117	Apr-Jul
Provo-Woodland	102	106	Apr-Jul
Sevier-Hatch (*Regulated)	45	93	Apr-Jul

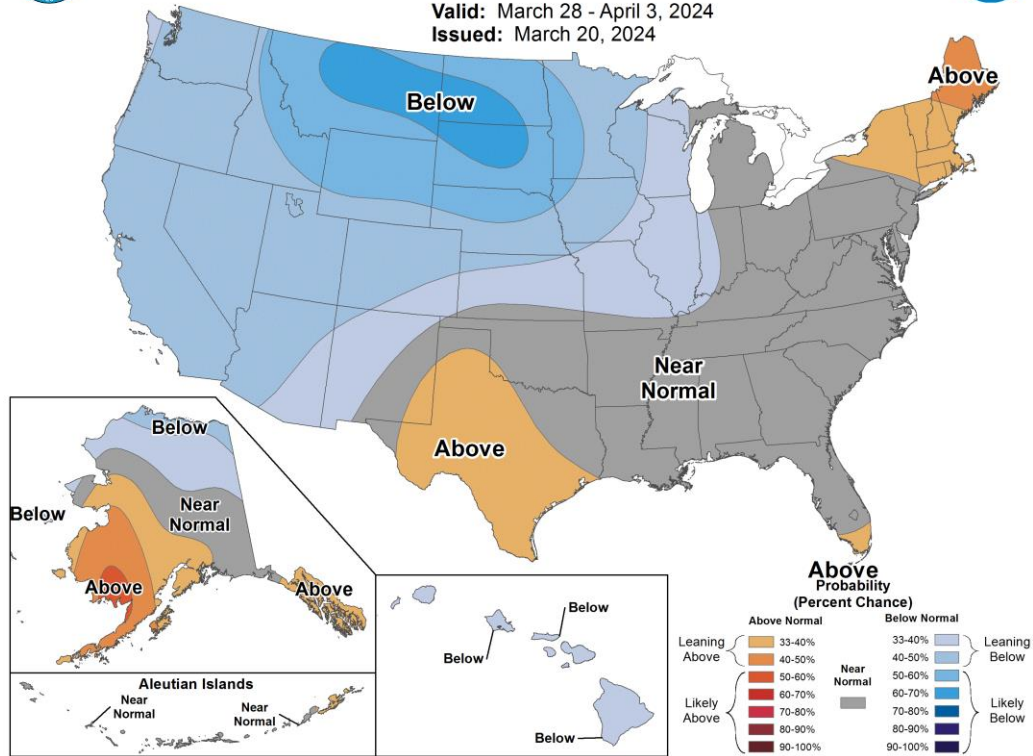
Apr-Jul runoff volumes as a percent of the 1991-2020 average.  
 Jan-May runoff volumes as a percent of the 1991-2020 median.



# 8-14 Day Temperature Outlook



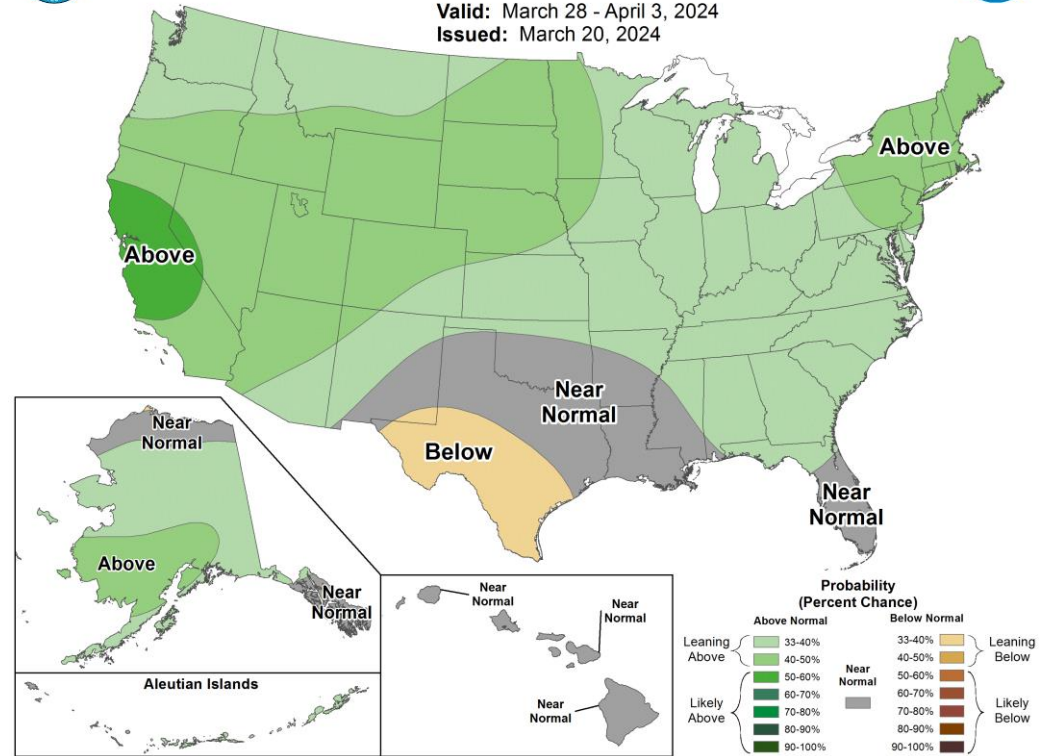
Valid: March 28 - April 3, 2024  
Issued: March 20, 2024



# 8-14 Day Precipitation Outlook



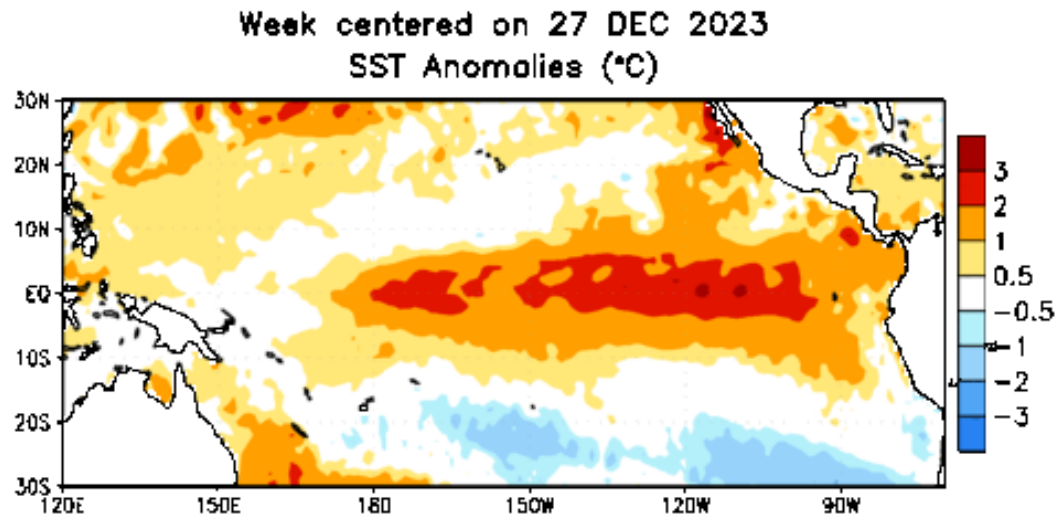
Valid: March 28 - April 3, 2024  
Issued: March 20, 2024





# ENSO neutral favored April-June

## La Nina 62% chance June-August



<https://www.cpc.ncep.noaa.gov/products/precip/CWlink/MJO/enso.shtml>

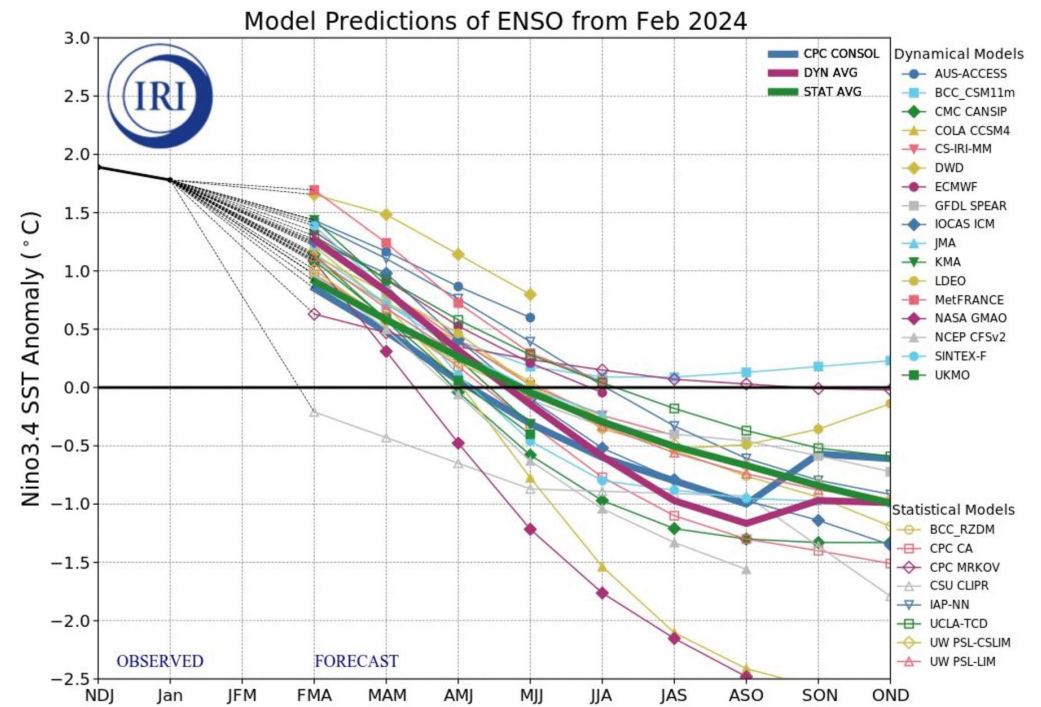


Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure updated 19 February 2024 by the International Research Institute (IRI) for Climate and Society.

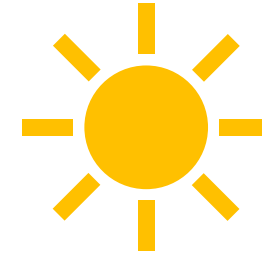
# Summary



2024 wetter but warmer



Moving to hotter and drier months



WY2024 warm and mostly dry to date