



Drought Monitoring Technical
Committee Report
to the
Arizona Interagency
Coordinating Group

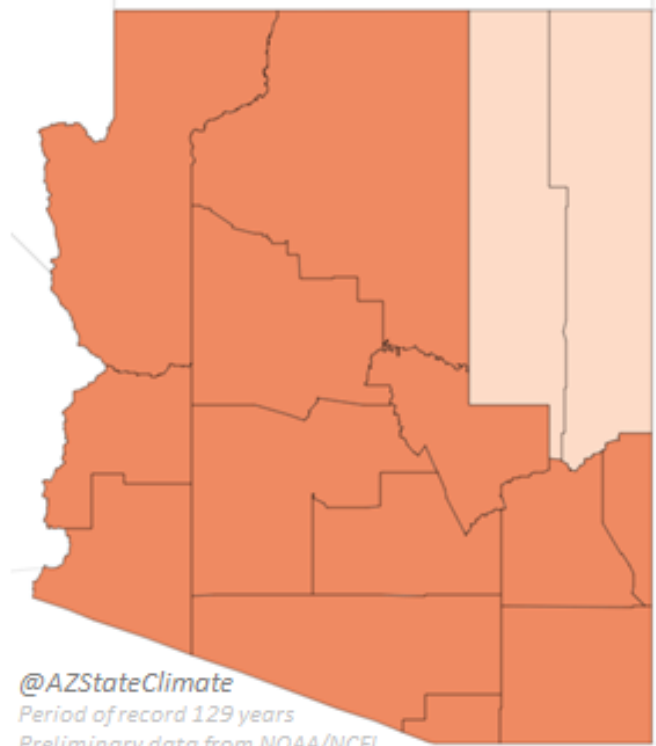
May 21, 2024

Erinanne Saffell, Ph.D.
Arizona State Climatologist

Start of WY2024: October to December

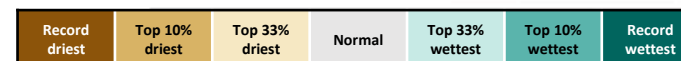
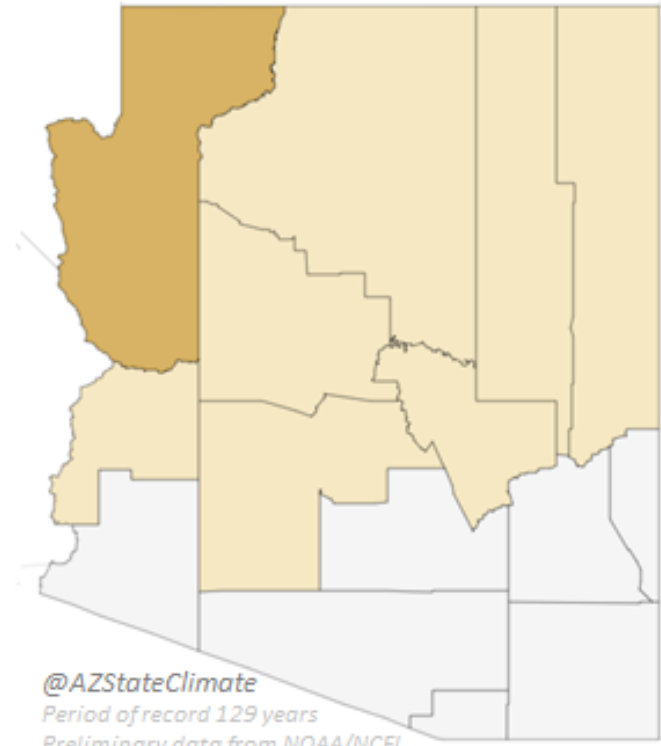
Statewide Average Temperature

Temp: 54.1°F Rank: 5th warmest Anomaly: 3.5°F



Statewide Precipitation

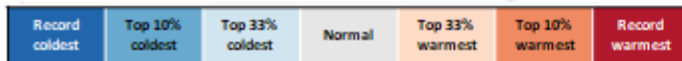
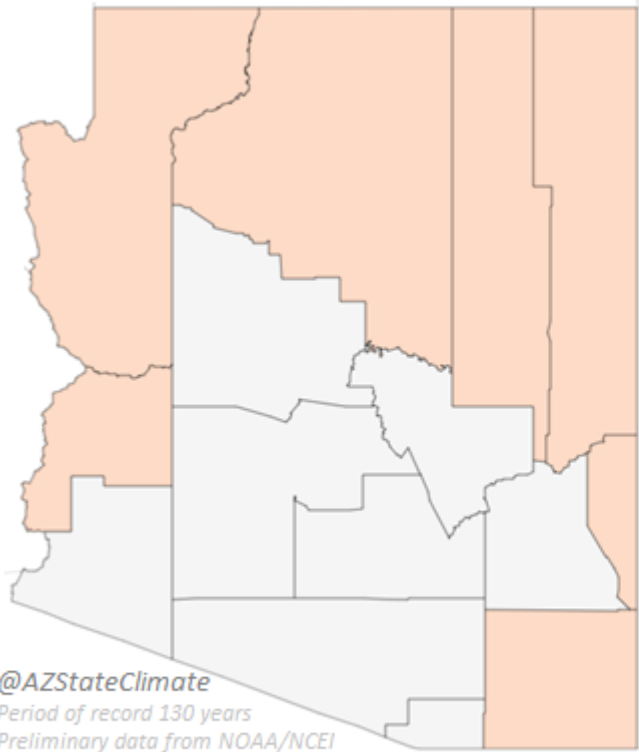
Total: 1.58" Rank: 26th driest Anomaly: -1.35"



Start of 2024: January to April

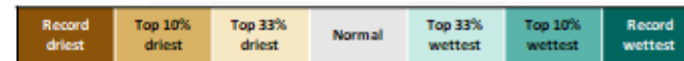
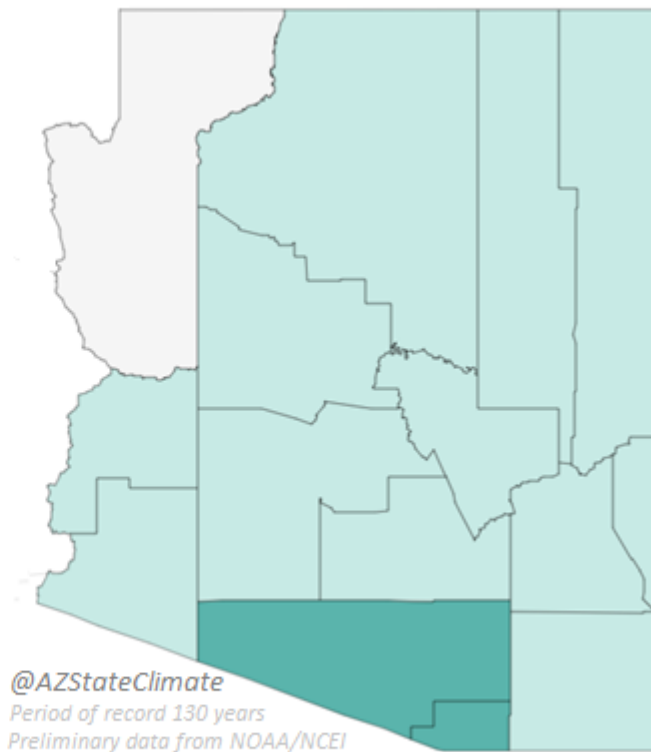
Statewide Average Temperature

Temp: 49.4°F Rank: 39th warmest Anomaly: 1.5°F



Statewide Precipitation

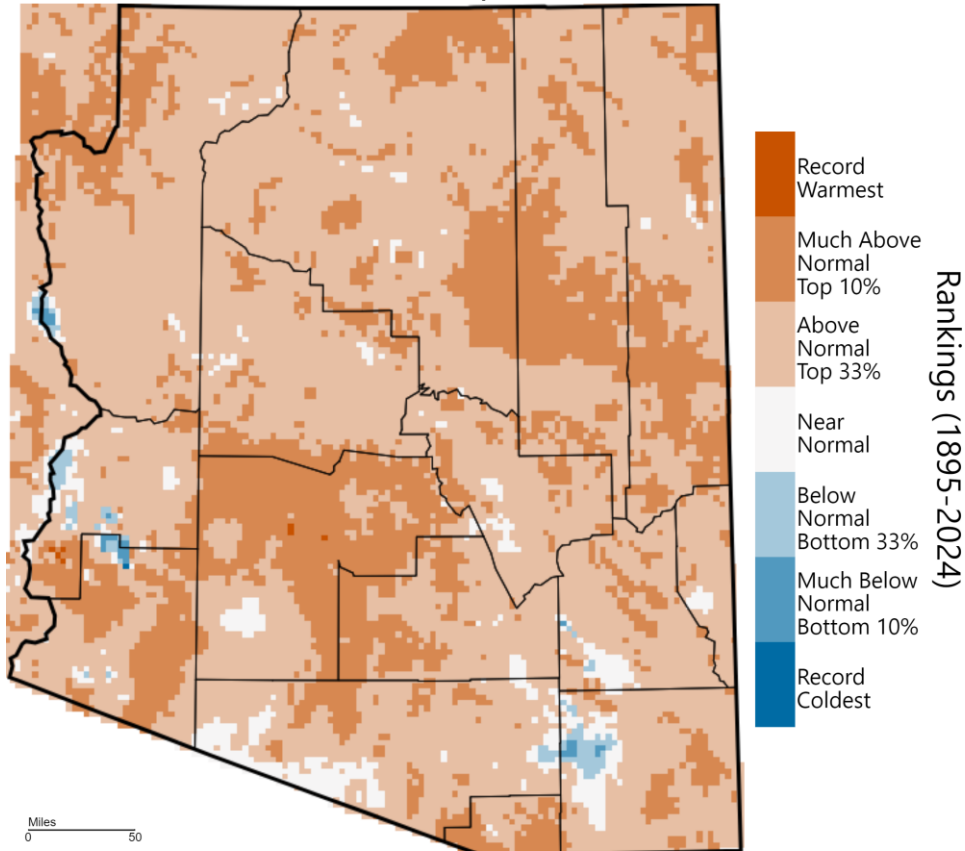
Total: 5.28" 23rd wettest Anomaly: 1.30"



Oct 2023 to Apr 2024: warmer

Temp: 51.4°F Rank: 13th warmest Anomaly: 2.4°F

Arizona - Mean Temperature
October 2023 - April 2024, Percentile



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

Monthly County Average Temperature

Oct 2023-April 2024

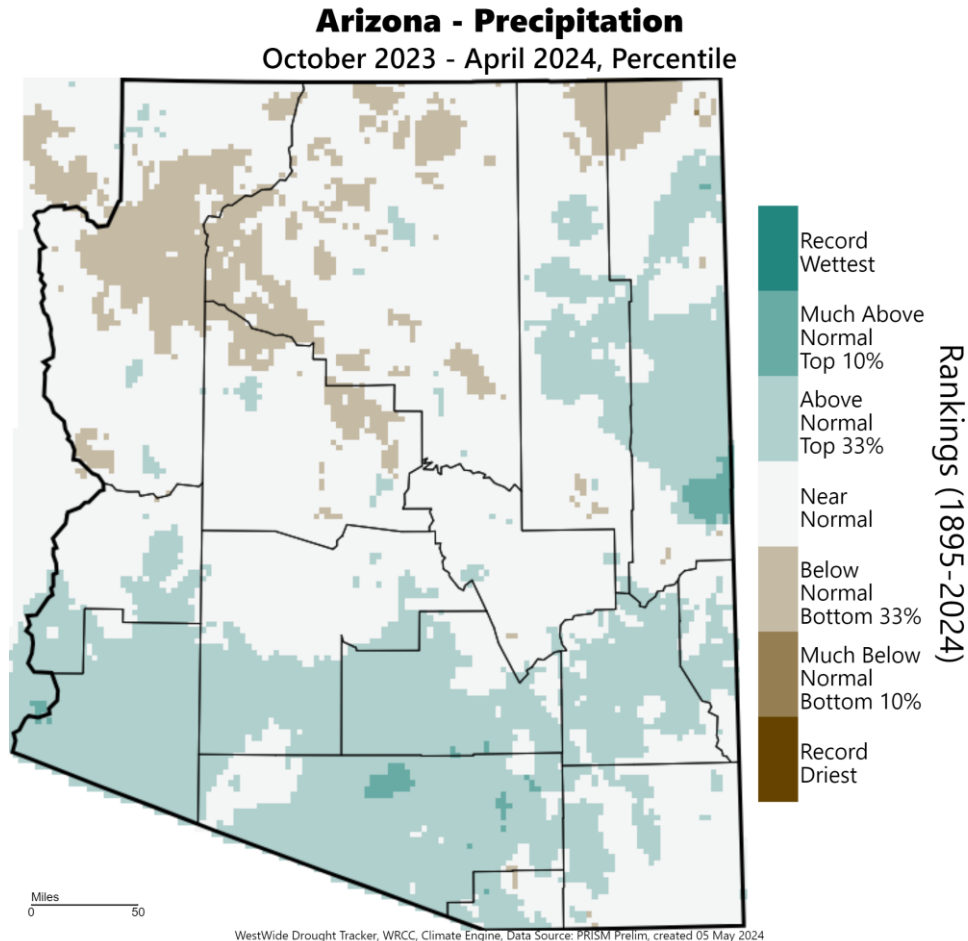
Preliminary data from NOAA/NCEI

Arizona Counties	Temp	Depart	Rank
Apache	41.2°	2.2°	12 th warmest
Cochise	53.1°	2.1°	13 th warmest
Coconino	43.9°	2.9°	7 th warmest
Gila	50.4°	1.8°	25 th warmest
Graham	52.3°	1.9°	16 th warmest
Greenlee	48.2°	2.1°	15 th warmest
La Paz	62.1°	2.4°	16 th warmest
Maricopa	61.1°	2.2°	20 th warmest
Mohave	53.2°	2.5°	12 th warmest
Navajo	42.4°	2.3°	14 th warmest
Pima	59.2°	2.2°	17 th warmest
Pinal	59.7°	2.2°	15 th warmest
Santa Cruz	53.4°	2.2°	13 th warmest
Yavapai	50.8°	2.4°	15 th warmest
Yuma	63.1°	2.2°	21 st warmest

Record coldest	Top 10% coldest	Top 33% coldest	Normal	Top 33% warmest	Top 10% warmest	Record warmest
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Oct 2023 to Apr 2024: slightly wet

Total: 6.86" Rank: 55th wettest Anomaly: 0.21"

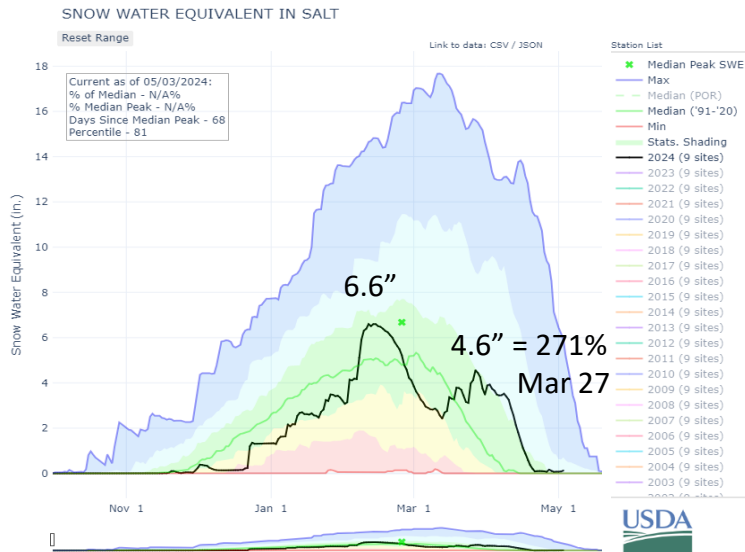


Monthly County Precipitation			
Oct 2023-April 2024			
<i>Preliminary data from NOAA/NCEI</i>			
Arizona Counties	Total	Depart	Rank
Apache	7.50"	0.54"	43 rd wettest
Cochise	6.38"	0.49"	44 th wettest
Coconino	6.14"	-1.57"	45 th driest
Gila	12.08"	-0.34"	58 th wettest
Graham	8.56"	0.89"	43 rd wettest
Greenlee	8.88"	0.63"	48 th wettest
La Paz	3.52"	-0.10"	56 th wettest
Maricopa	6.34"	0.68"	46 th wettest
Mohave	5.19"	-1.29"	49 th driest
Navajo	6.35"	-0.17"	58 th wettest
Pima	7.73"	1.86"	26 th wettest
Pinal	8.51"	1.42"	34 th wettest
Santa Cruz	9.55"	2.23"	26 th wettest
Yavapai	8.50"	-1.04"	61 st wettest
Yuma	4.38"	1.39"	24 th wettest

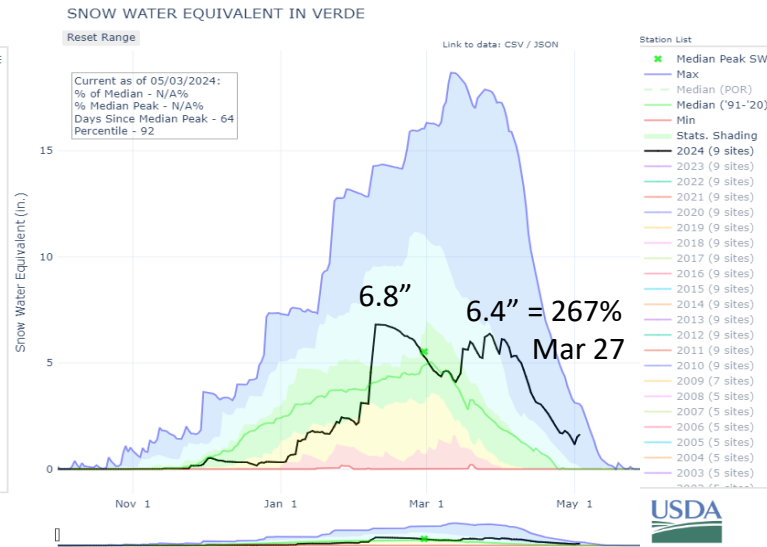
Record driest	Top 10% driest	Top 33% driest	Normal	Top 33% wettest	Top 10% wettest	Record wettest
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Snow late April: Verde and Little Colorado basins

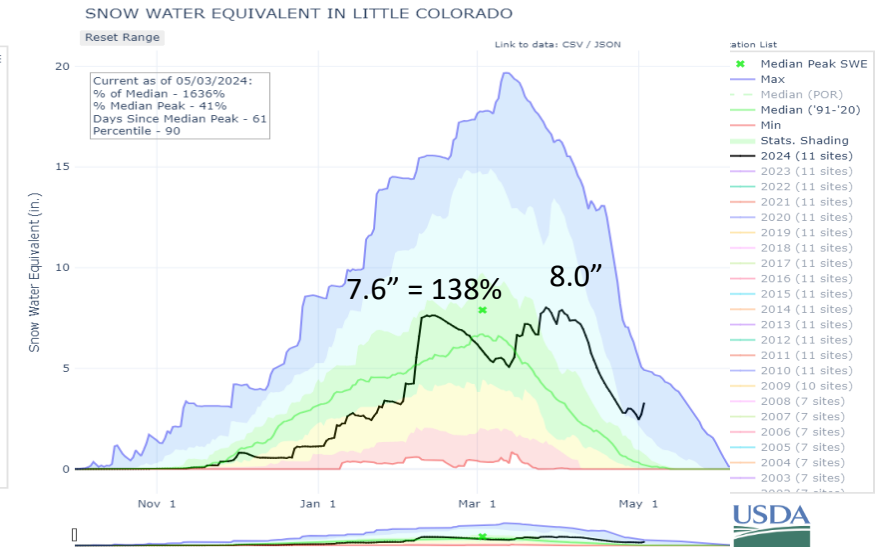
Salt: 132% median Feb 13,14



Verde: 162% median Feb 9-13



Little CO: 200% median Mar 27

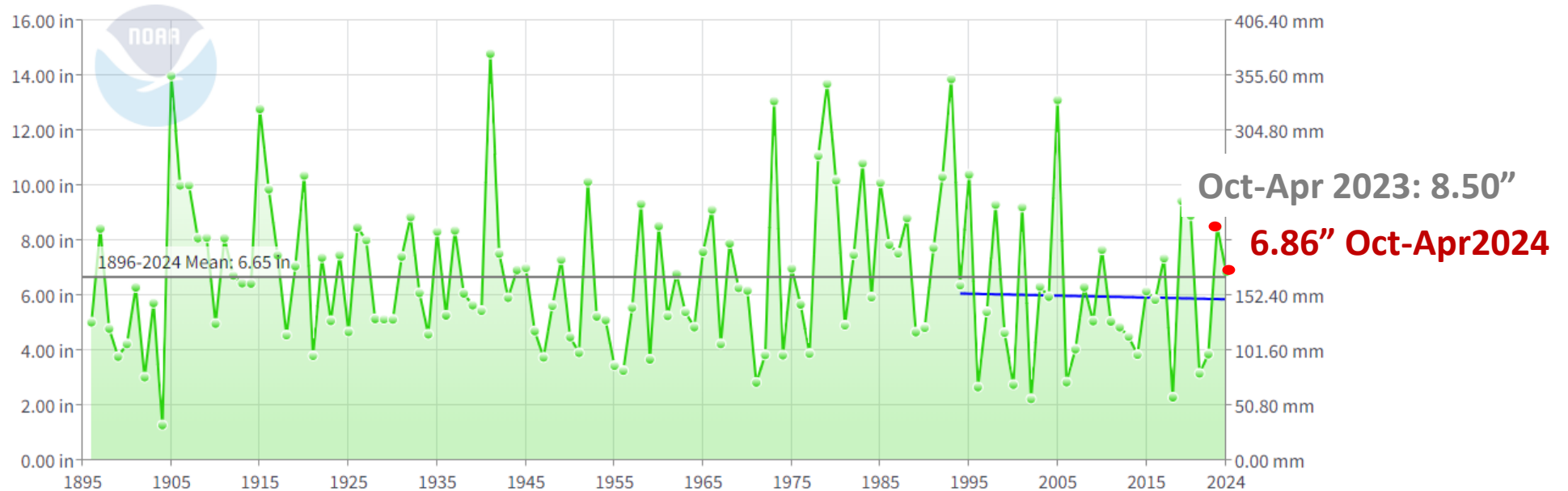


April 26, 27: 2+ feet of new snow
 Flagstaff: 107.6" snow WY24

October to April slightly above average

Arizona Precipitation

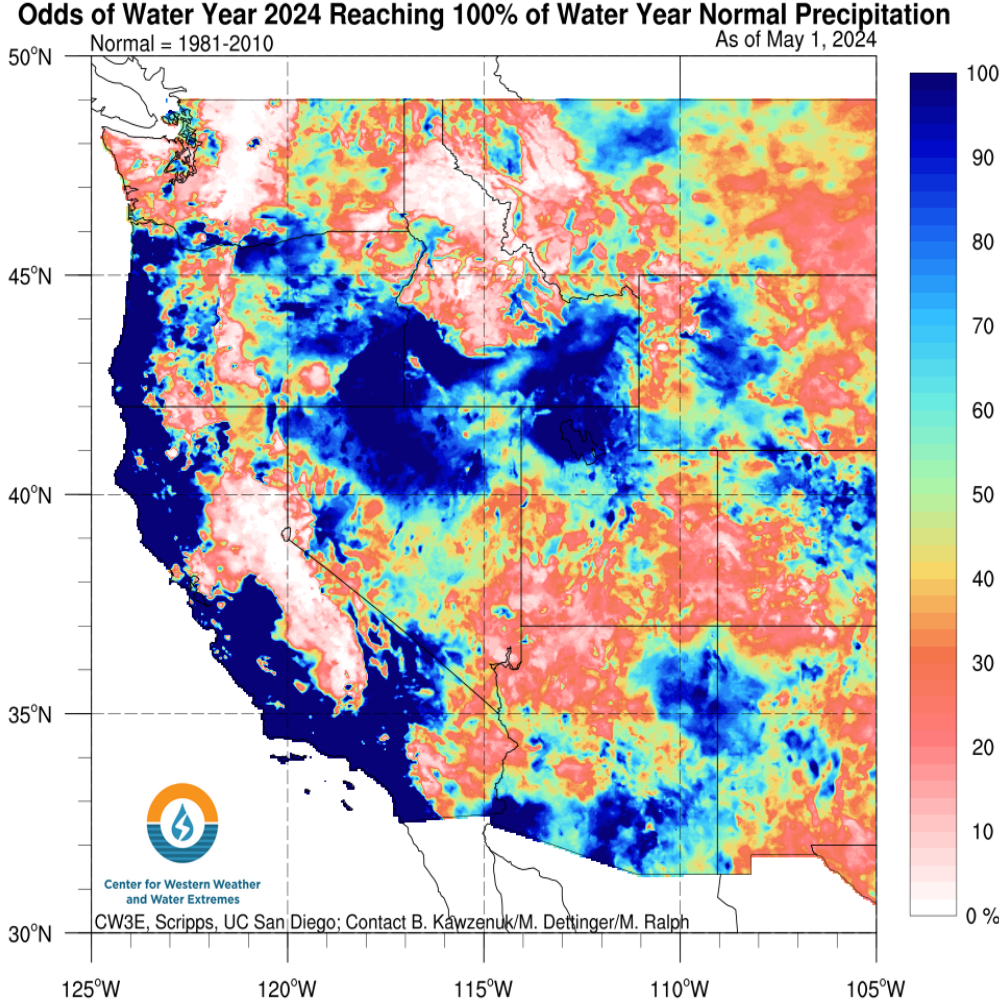
October-April



20 of last 30 water years have been below long-term average

*Long-term average Oct-Apr: 6.65"
1994-2024 average Oct-Apr: 5.96"*

Odds to reach 100% precipitation for WY2024



Shading represents odds, in percent of water years from 1948-2017
Data courtesy: PRISM Climate Group, Oregon State University, <http://prism.oregonstate.edu>

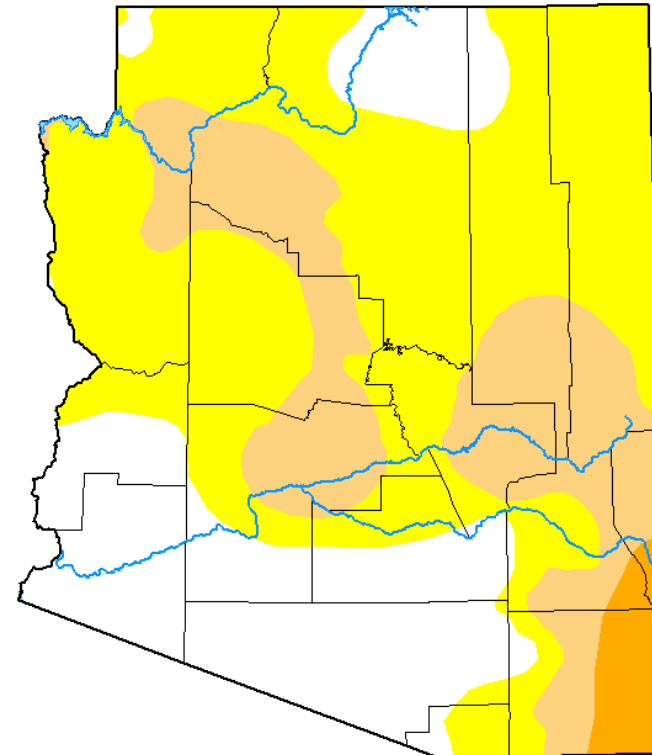
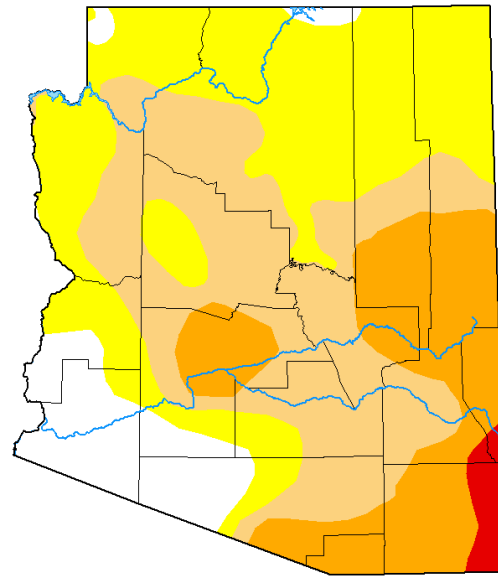
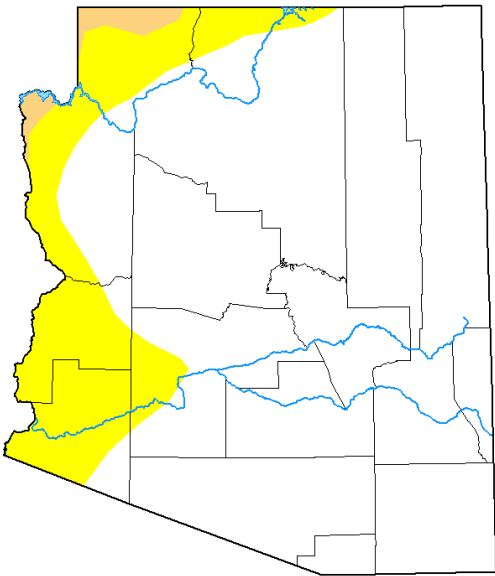
Extreme (D3) short-term drought removed

U.S. Drought Monitor Arizona

May 14, 2024
(Released Thursday, May 16, 2024)
Valid 8 a.m. EDT

1 year ago: May 16, 2023

3 months ago: February 13, 2024



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	25.79	74.21	25.31	3.15	0.00	0.00
Last Week 05-07-2024	25.82	74.18	25.31	3.15	0.00	0.00
3 Months Ago 02-13-2024	10.62	89.38	54.56	21.64	1.83	0.00
Start of Calendar Year 01-02-2024	5.62	94.38	53.37	33.54	5.75	0.00
Start of Water Year 09-26-2023	8.12	91.88	47.06	22.74	5.34	0.00
One Year Ago 05-16-2023	82.05	17.95	1.46	0.00	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:

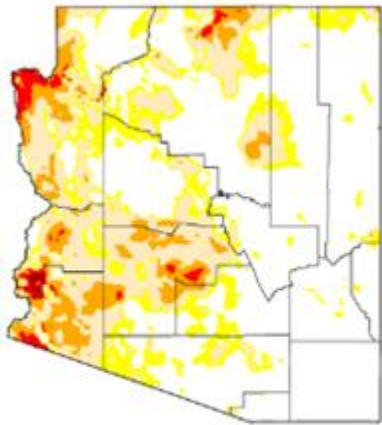
Lindsay Johnson
National Drought Mitigation Center



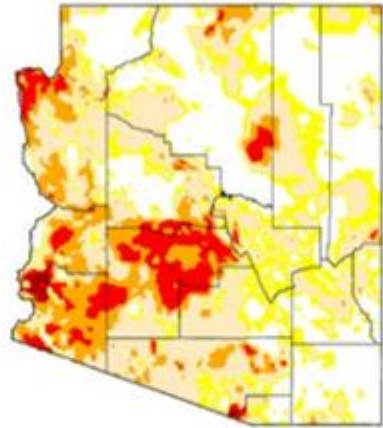
droughtmonitor.unl.edu

Last year, many smaller wildfires
No exceptionally large wildfires

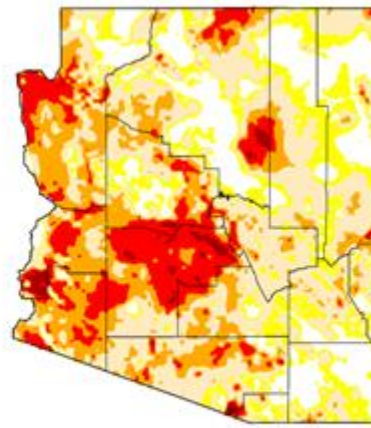
Long-term drought continues



Apr-Jun 2023



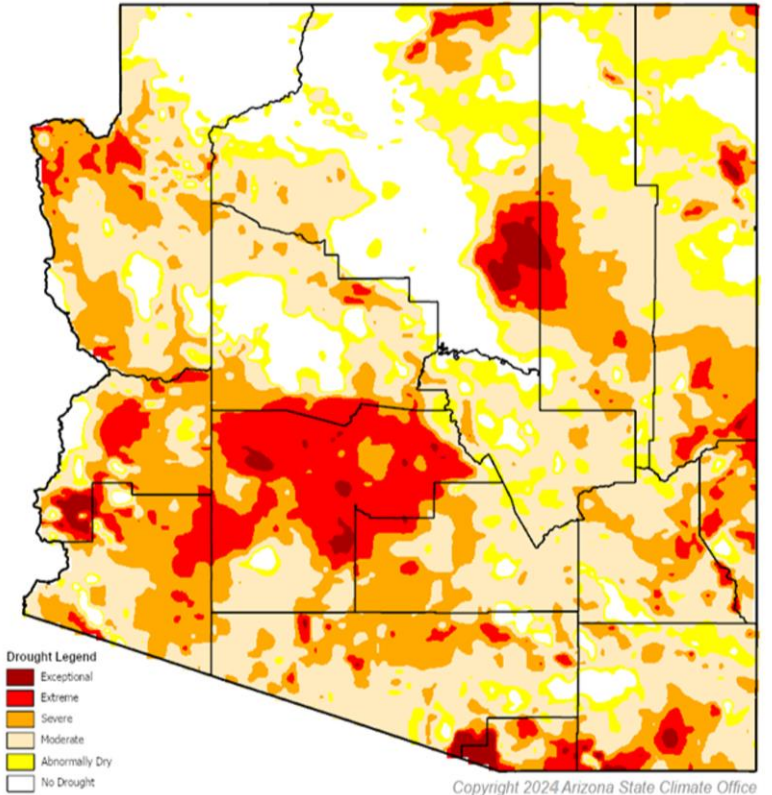
Jul-Sep 2023



Oct-Dec 2023

Arizona Long-Term Drought

Published April 2024



January-March 2024

Thank you

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azclimate.asu.edu

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