

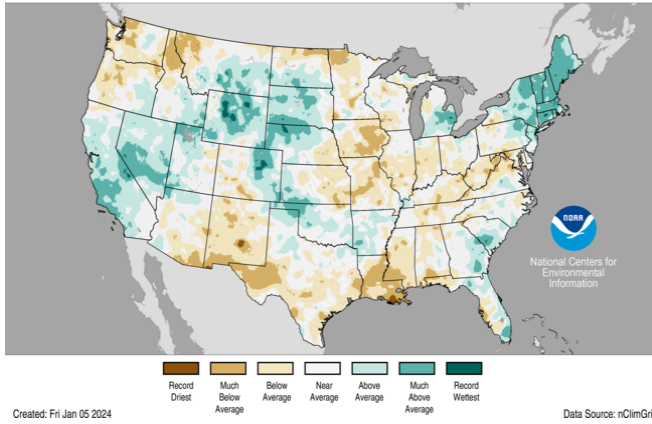


Warm 2023 Summary

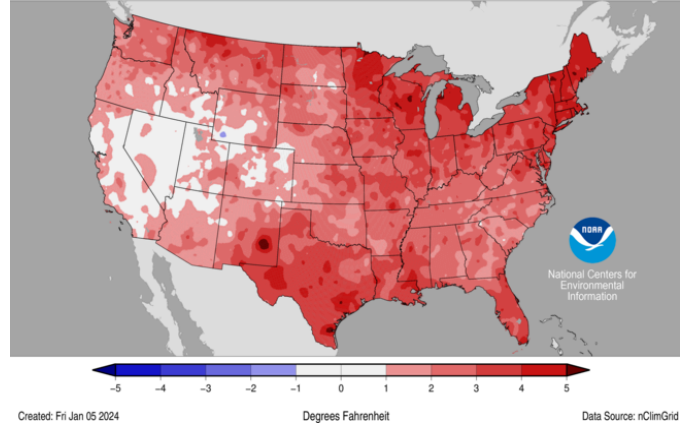


The year 2023 was marked by a rapid transition from La Niña that lasted for three consecutive winters to a strong El Niño developing during the summer. This pattern change reinforced an area of high pressure over the central U.S. which ultimately promoted hot and dry weather conditions over the Ohio Valley, particularly through the second half of the year.

Total Precipitation Percentiles
January–December 2023
Ranking Period: 1895–2023

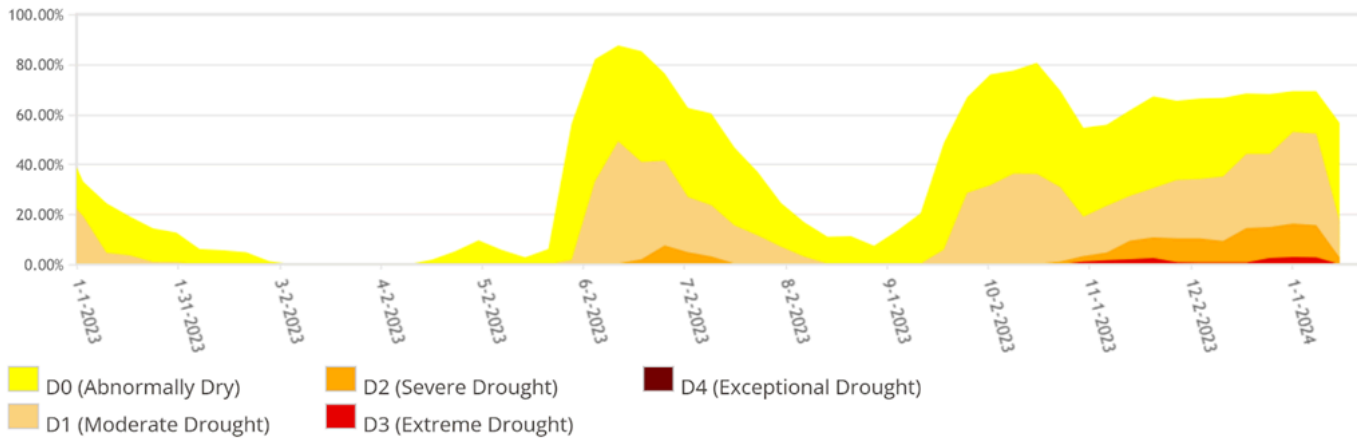


Mean Temperature Departures from Average
January–December 2023
Average Period: 20th Century



As the warm episode of ENSO became more established during the summer, the Ohio Valley started to experience precipitation deficits, which combined with well-above average temperatures throughout the year, supported an extended period of drought from September to December. It is also likely that the drought contributed to the positive temperature anomalies during this period.

Ohio Valley Percent Area in U.S. Drought Monitor Categories



Making it to the Top Ten of the Ohio Valley Record (1895-2024)

- 4th warmest December on record and warmest since 2021.
- 5th warmest calendar year and warmest since 2021.
- 7th driest September-December period and driest since September-December of 1963.