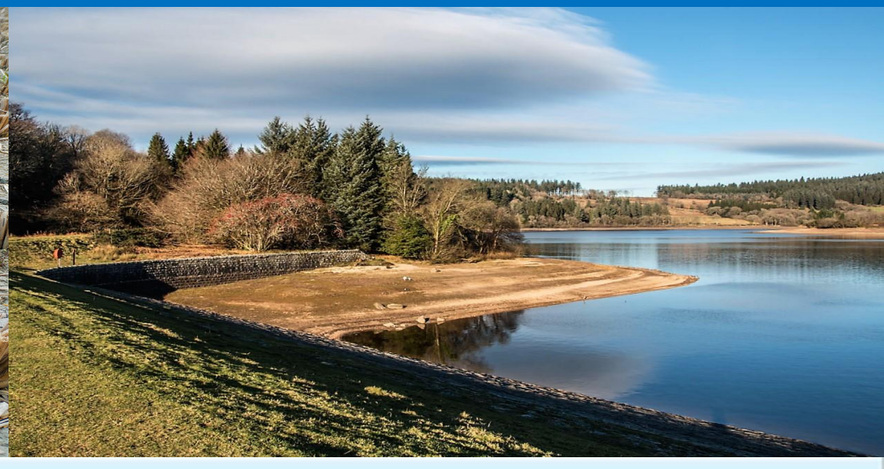
Drought Information Statement for the Missouri Ozarks

Valid November 21, 2024

Issued By: *WFO Springfield, MO*

Contact Information: *contact.sgf@noaa.gov*

- This product will be updated December 5, 2024 or sooner if drought conditions change significantly.
- Please see all currently available products at https://drought.gov/drought-information-statements.
- Please visit https://www.weather.gov/sgf/SGFDroughtMonitor for additional information.



U.S. Drought Monitor

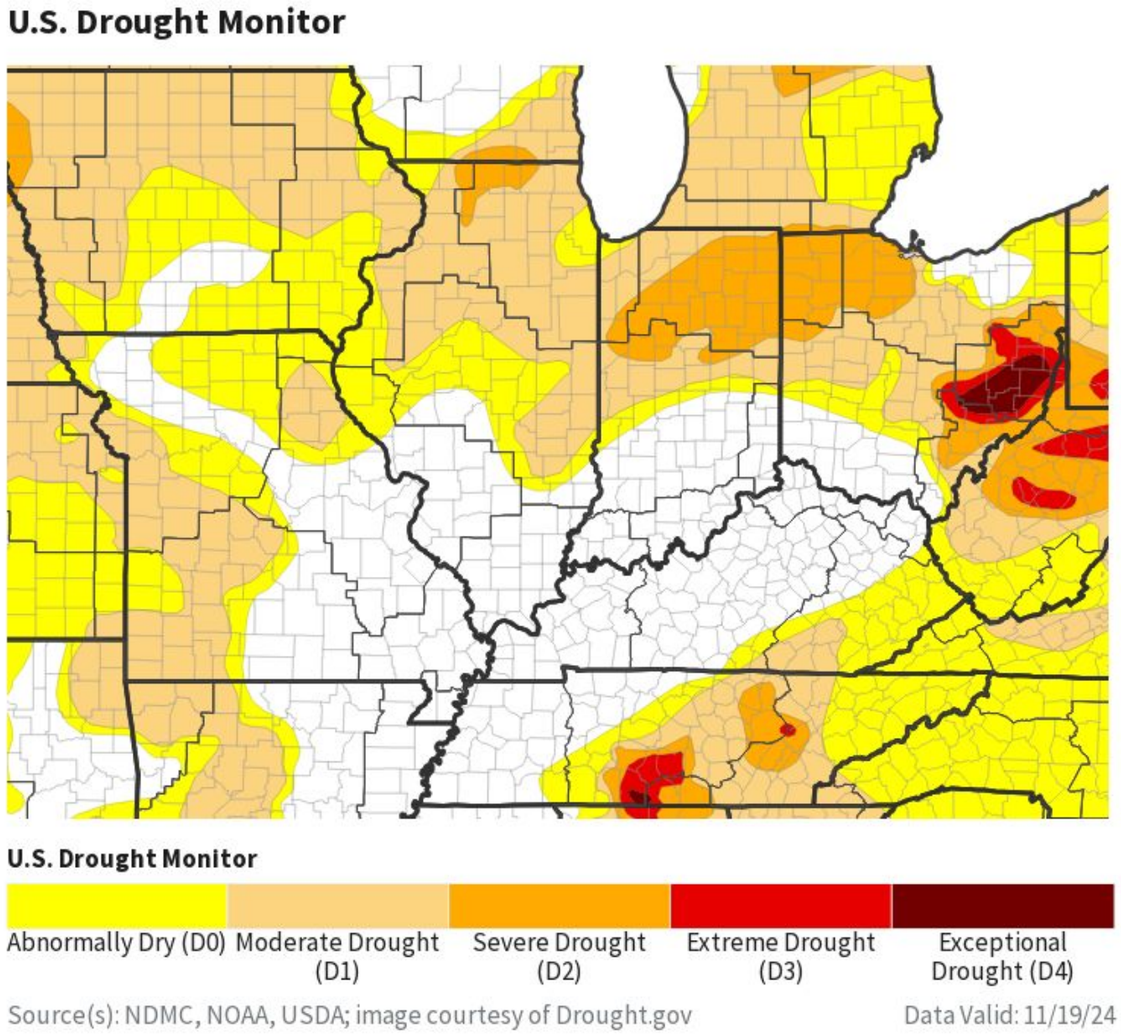
November 21, 2024
11:24 AM

Link to the Latest U.S. Drought Monitor for Lower Midwest

- **Drought Continues to Decrease across the Ozarks Region.**

- **Drought Intensity and Extent**
  - D1 (Moderate Drought): All of Newton, McDonald, Barry, Stone, Lawrence, Polk, Hickory, and Benton counties. Then, portions of St. Clair, Morgan, Miller, Camden, Dallas, Laclede, Cedar, Dade, Jasper, Cherokee, Greene, Christian, and Taney counties.

  - D0: (Abnormally Dry): Portions of some previously mentioned D1 areas, in addition to all of Bourbon, Crawford, Vernon, and Barton counties.



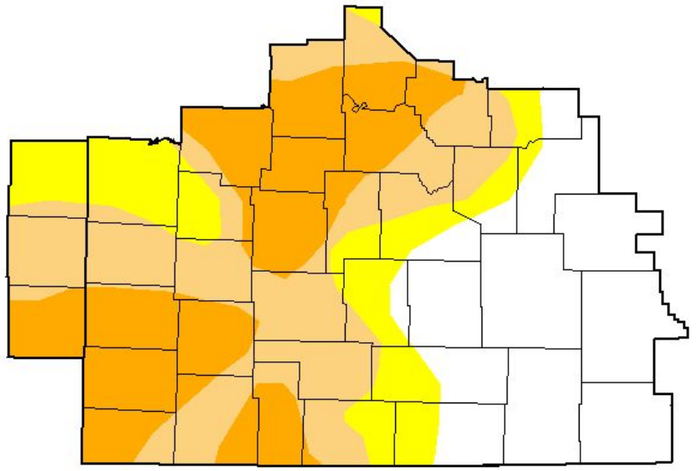
Drought Monitor - Last Week vs. This Week

November 21, 2024
11:24 AM

Link to the Latest U.S. Drought Monitor for Lower Midwest

Last Week (Nov 12)

U.S. Drought Monitor
Springfield, MO WFO



November 12, 2024
(Released Thursday, Nov. 14, 2024)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	30.30	69.70	54.40	26.93	0.00	0.00
Last Week 11-05-2024	24.32	75.68	68.82	49.47	0.00	0.00
3 Months Ago 08-13-2024	53.76	46.24	20.60	0.00	0.00	0.00
Start of Calendar Year 01-02-2024	14.22	85.78	71.72	39.81	0.55	0.00
Start of Water Year 10-01-2024	20.98	79.02	51.60	25.72	0.00	0.00
One Year Ago 11-14-2023	29.05	70.95	39.07	20.13	0.70	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:
Richard Tinker
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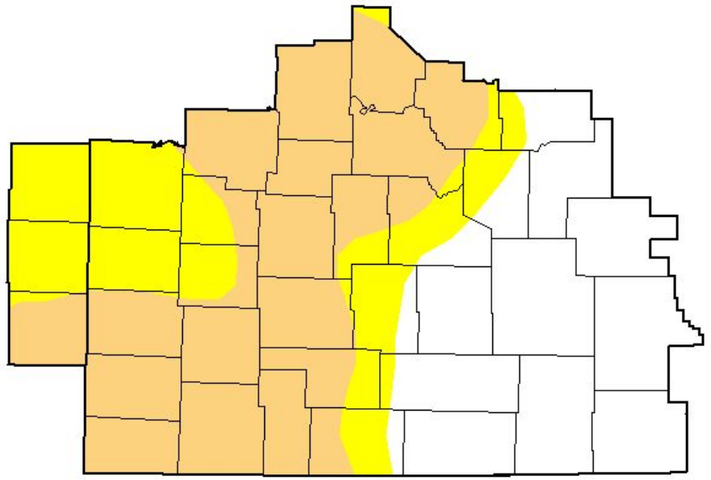
droughtmonitor.unl.edu

Latest (Nov 19)

U.S. Drought Monitor
Springfield, MO WFO



November 19, 2024
(Released Thursday, Nov. 21, 2024)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	34.87	65.13	43.16	0.00	0.00	0.00
Last Week 11-12-2024	30.30	69.70	54.40	26.93	0.00	0.00
3 Months Ago 08-20-2024	62.50	37.50	8.86	0.00	0.00	0.00
Start of Calendar Year 01-02-2024	14.22	85.78	71.72	39.81	0.55	0.00
Start of Water Year 10-01-2024	20.98	79.02	51.60	25.72	0.00	0.00
One Year Ago 11-21-2023	29.05	70.95	39.09	20.34	0.70	0.00

Intensity:
- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Droug

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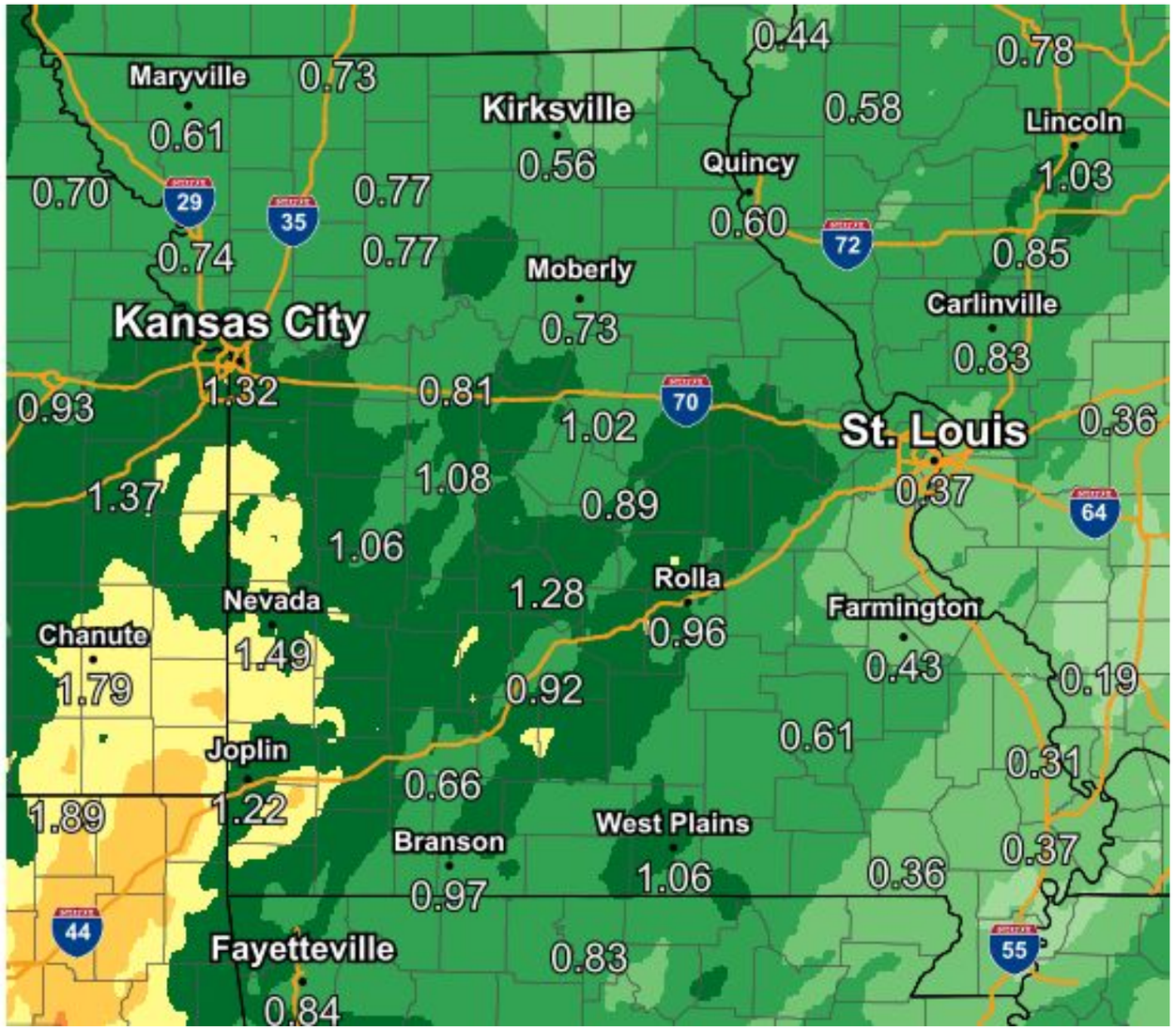
Observed Precipitation in Last 7 Days

November 21, 2024
11:24 AM



Up to 0.1 inch
0.1 to 0.25 inches
0.25 to 0.5 inches
0.5 to 1.0 inches
1.0 to 1.5 inches
1.5 to 2.0 inches
2.0 to 3.0 inches
3.0 to 4.0 inches
4.0 to 6.0 inches
6.0 to 8.0 inches
8.0 to 10.0 inches
10.0 to 15.0 inches
15.0 to 20.0 inches
20.0 to 30.0 inches
30.0 to 50.0 inches

Graphic Created
November 21st, 2024
9:38 AM CST

- Additional rounds of rain over the weekend brought widespread accumulations of 0.5-2” of rain, with the greatest totals along and west of I-49.
- These totals have contributed to the gradual improvement of drought conditions across southwest Missouri.

National Oceanic and Atmospheric Administration
U.S. Department of Commerce

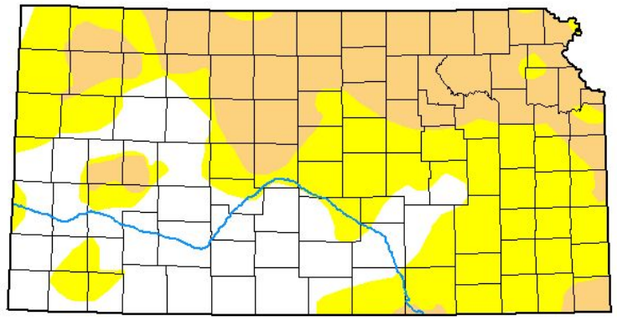
National Weather Service
Springfield, MO

State Drought Monitor

November 21, 2024
11:24 AM

Link to Recent Change Maps

U.S. Drought Monitor
Kansas



November 19, 2024
(Released Thursday, Nov. 21, 2024)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	30.42	69.58	31.19	0.00	0.00	0.00
Last Week 11-12-2024	26.78	73.22	33.05	3.36	0.00	0.00
3 Months Ago 08-20-2024	10.52	89.48	50.55	9.11	0.00	0.00
Start of Calendar Year 01-02-2024	20.54	79.46	53.43	19.44	2.88	0.00
Start of Water Year 10-01-2024	7.48	92.52	50.40	8.34	0.00	0.00
One Year Ago 11-21-2023	9.90	90.10	68.45	42.62	7.63	0.00

Intensity:
- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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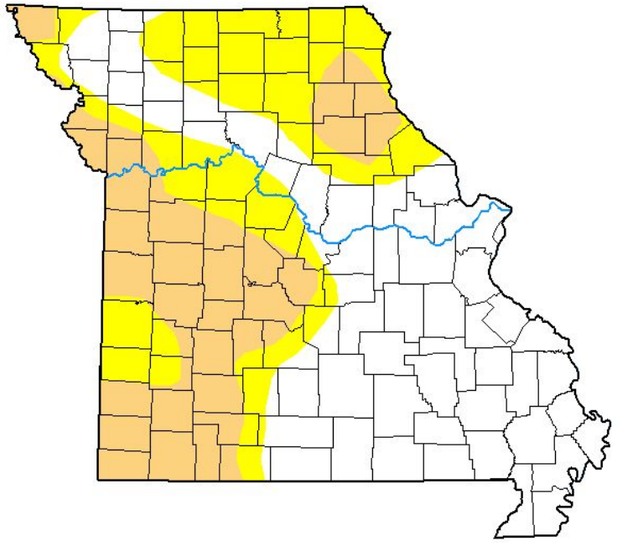
U.S. Drought Monitor
Missouri



November 19, 2024
(Released Thursday, Nov. 21, 2024)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	47.75	52.25	27.02	0.00	0.00	0.00
Last Week 11-12-2024	37.88	62.12	29.98	10.31	0.00	0.00
3 Months Ago 08-20-2024	68.67	31.33	2.87	0.00	0.00	0.00
Start of Calendar Year 01-02-2024	6.73	93.27	71.50	30.45	1.09	0.00
Start of Water Year 10-01-2024	39.30	60.70	23.73	7.95	0.00	0.00
One Year Ago 11-21-2023	17.23	82.77	58.94	22.50	0.91	0.00

Intensity:
- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
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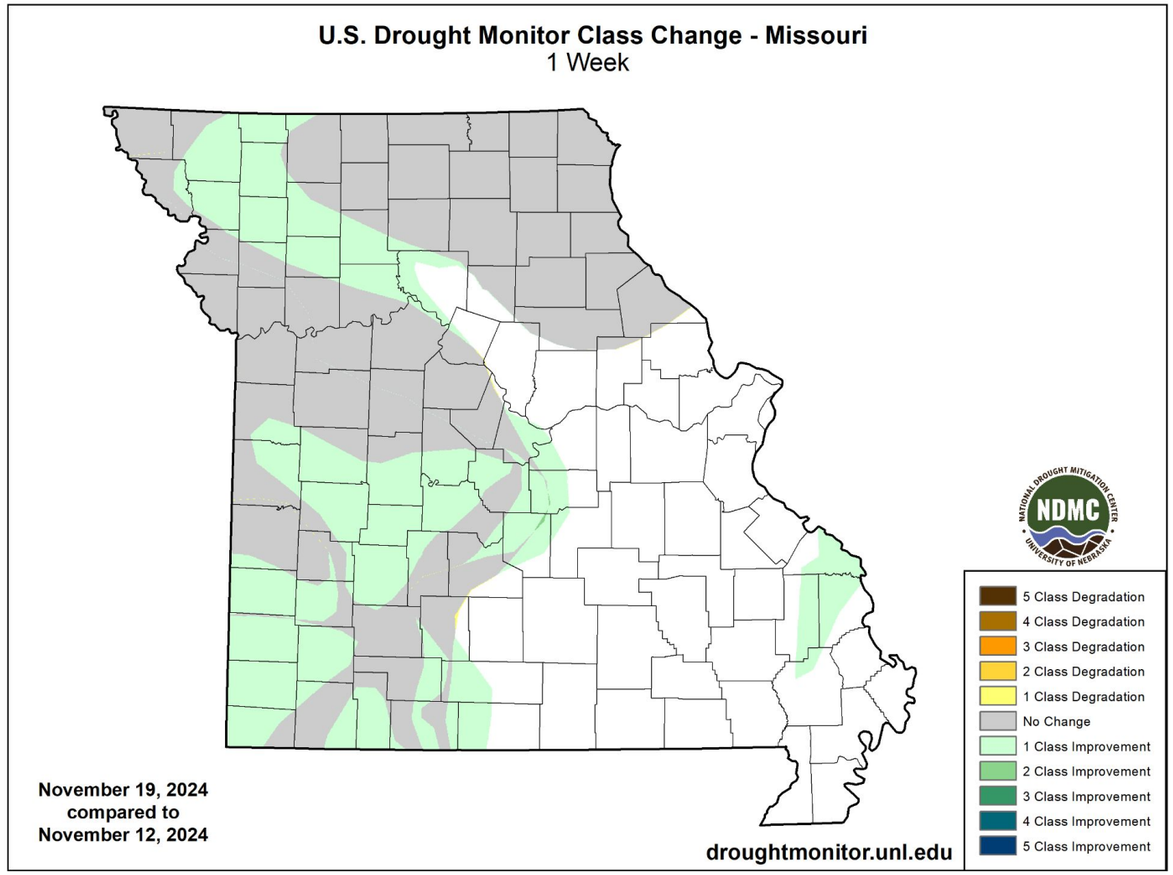
Main Takeaways

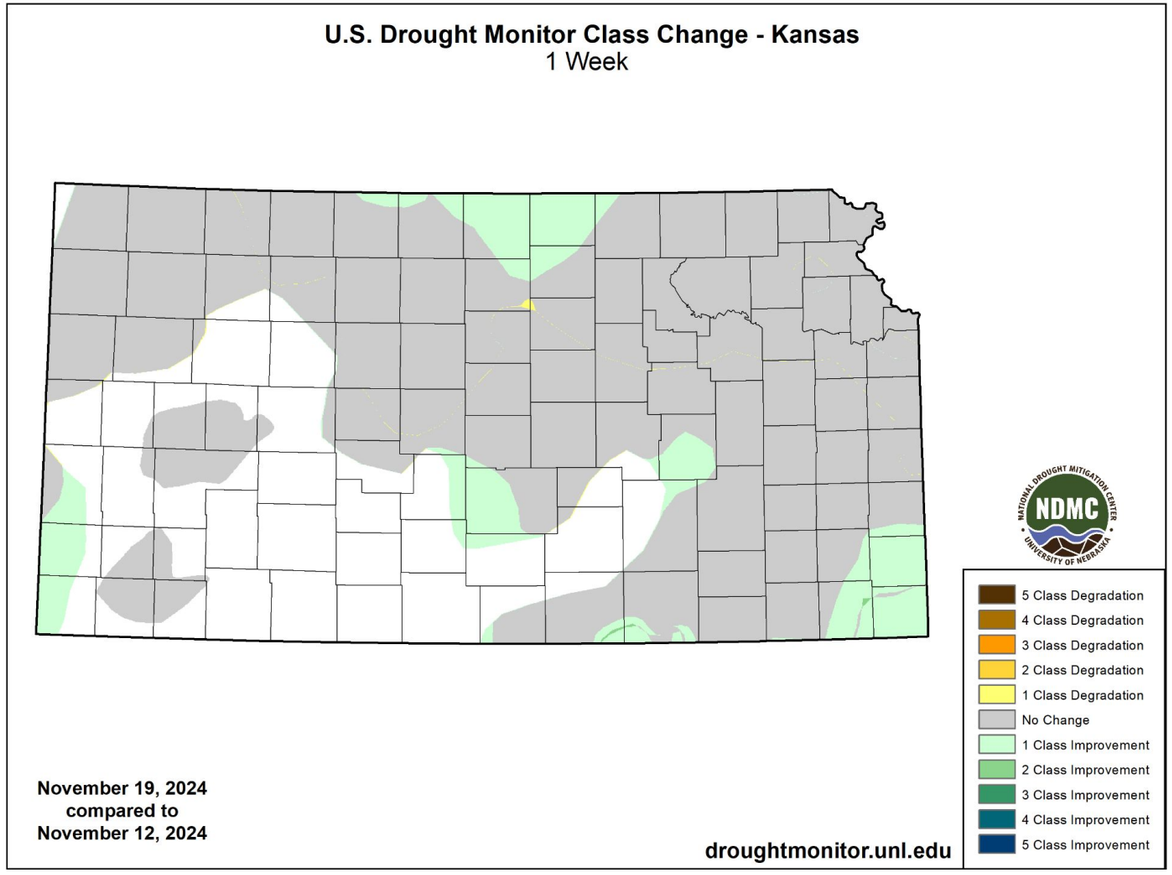
- D2 Drought has been eliminated in all areas previously under D2 conditions.
- Eastward extent of all drought conditions decreased again.

Recent Change in Drought Intensity

November 21, 2024
11:24 AM

Link to Recent Change Maps





Main Takeaways

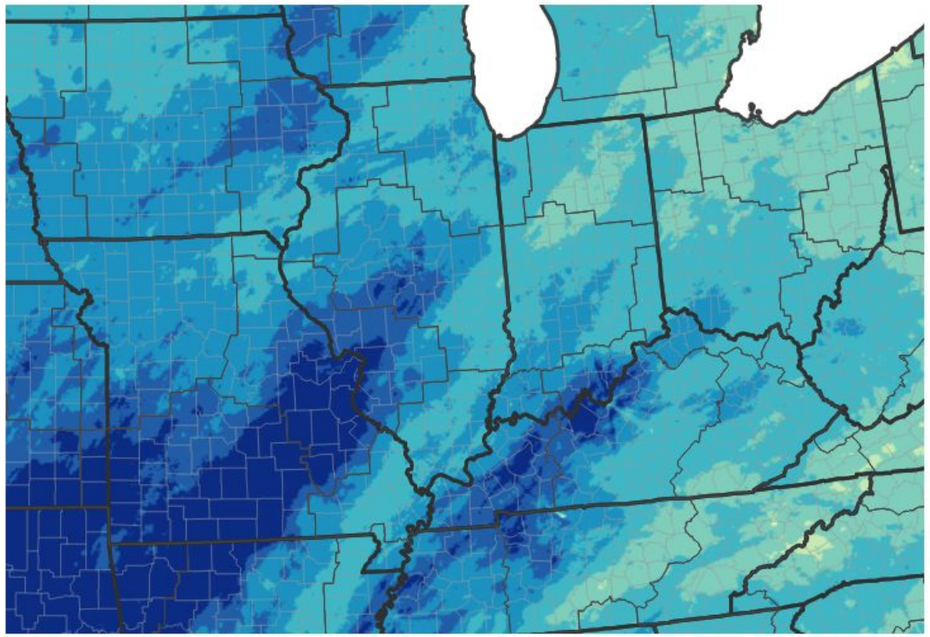
- Drought further improved across much of southwest Missouri and southeast Kansas.
- Portions of South-Central Missouri continue to be in “No Drought” thanks to copious amounts of recent rainfall.

30 Day Precipitation

November 21, 2024
11:24 AM

Measured Rainfall

30-Day Precipitation Accumulations (Inches)



Inches of Precipitation

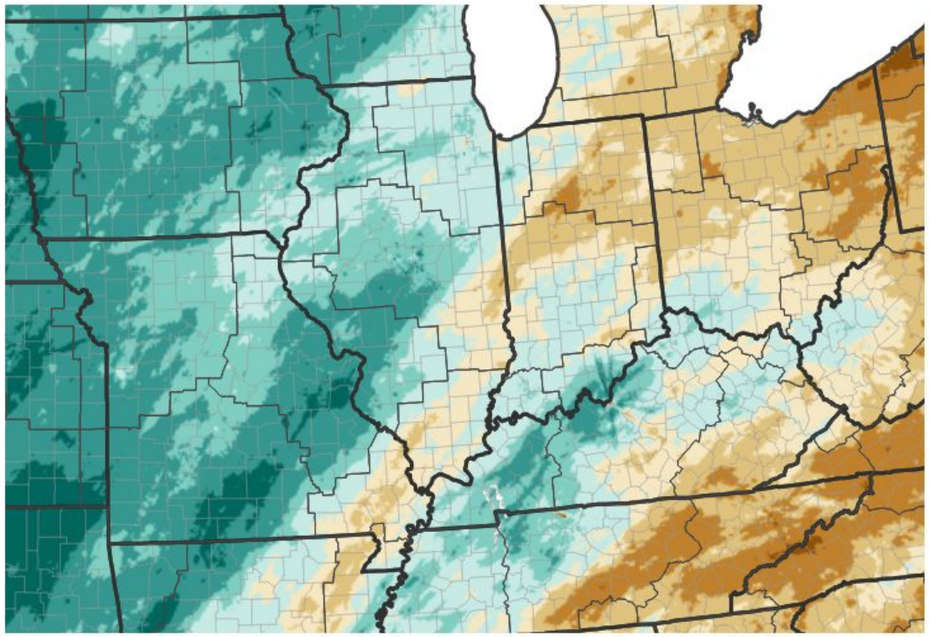
0 | 0.01 | 0.5 | 1 | 2

2 | 4 | 6 | 8

Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 11/21/24

30-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)

0% | 25% | 50% | 75% | 100%

100% | 150% | 200% | 300%

Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 11/21/24

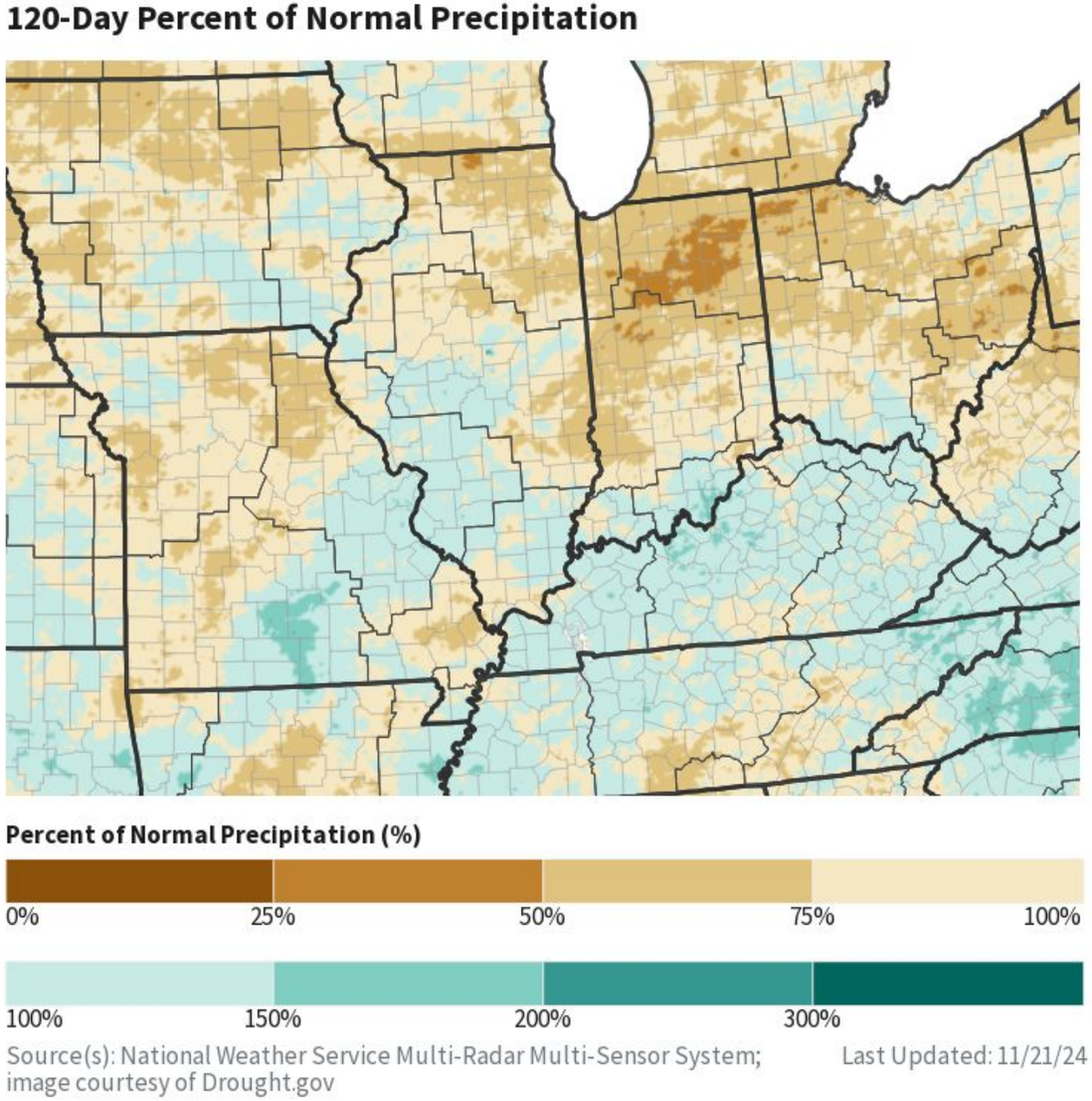
Main Takeaways

- Multiple rounds of rainfall this month has significantly contributed significantly to above normal 30-day precipitation.
- Many areas are at 200% or greater of the 30-day normal precipitation.

120 Day Precipitation

November 21, 2024
11:24 AM

120-Day Percent of Normal Precipitation



Main Takeaways

- However, the recent heavy rainfall has only made a dent in sub-seasonal precipitation deficits across the region.
- Only the eastern Ozarks in south-central Missouri have seen above normal precipitation over the last four months.
- Areas in D1 and D2 drought conditions farther west remain near normal to below normal for four-month average precipitation values.

Hydrologic Conditions and Impacts

November 21, 2024
11:24 AM

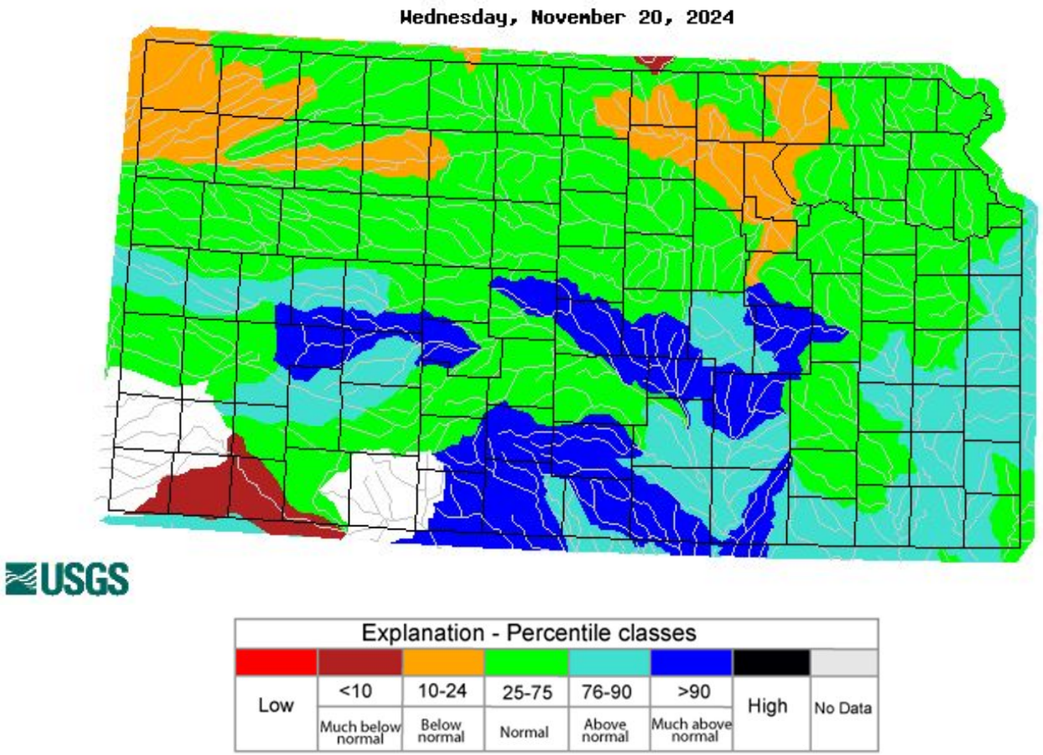


Image Caption: : [USGS 7 day average streamflow HUC map - Kansas]

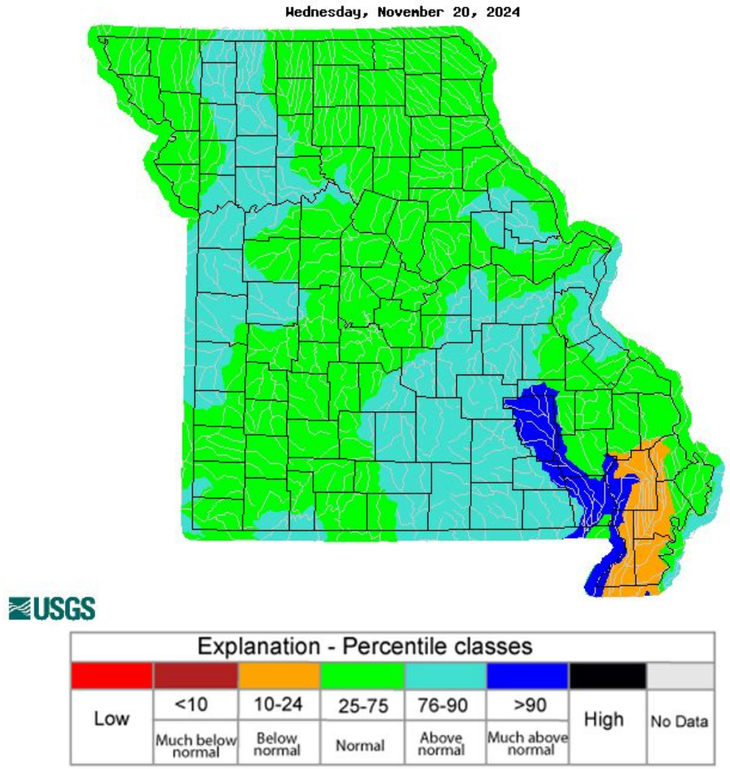


Image Caption: : [USGS 7 day average streamflow HUC map - Missouri]

Main Takeaways

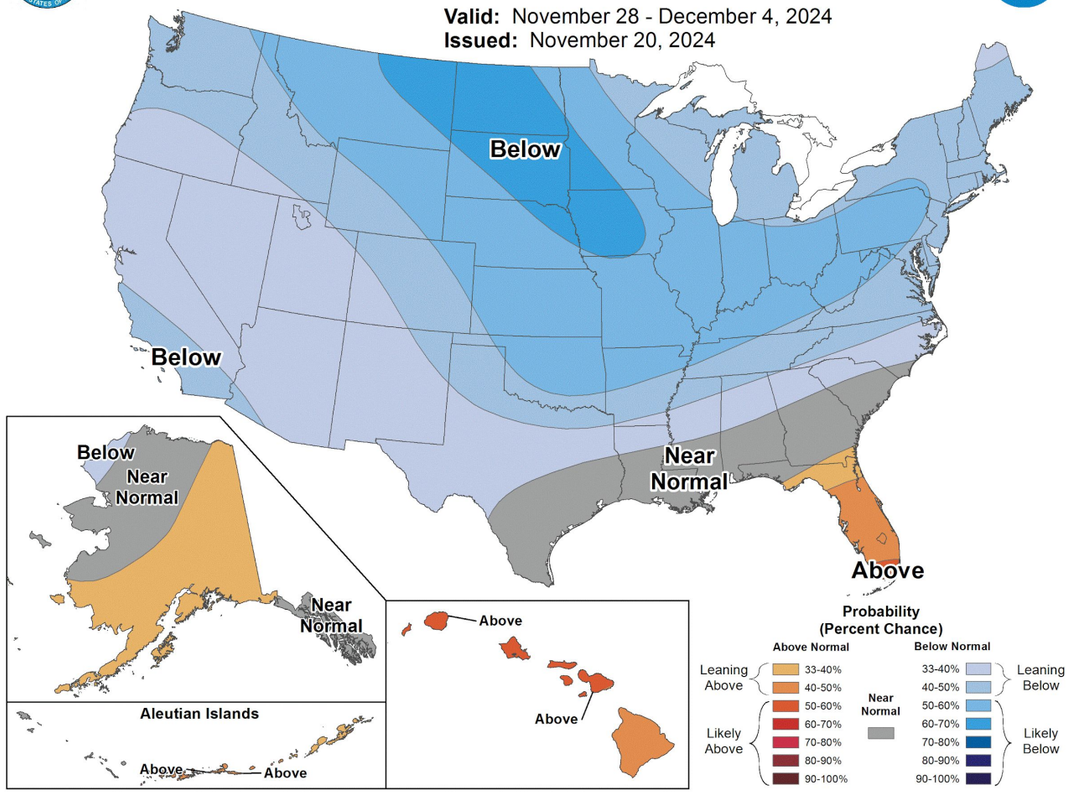
- Streamflows are at near-normal to above-normal in southeast Kansas and southwestern Missouri.
- Many south-central and central Missouri basins and tributaries continue to have much above normal or high streamflows in the wake of historic river flooding after the recent heavy precipitation in these areas.

8 to 14 Day Outlooks

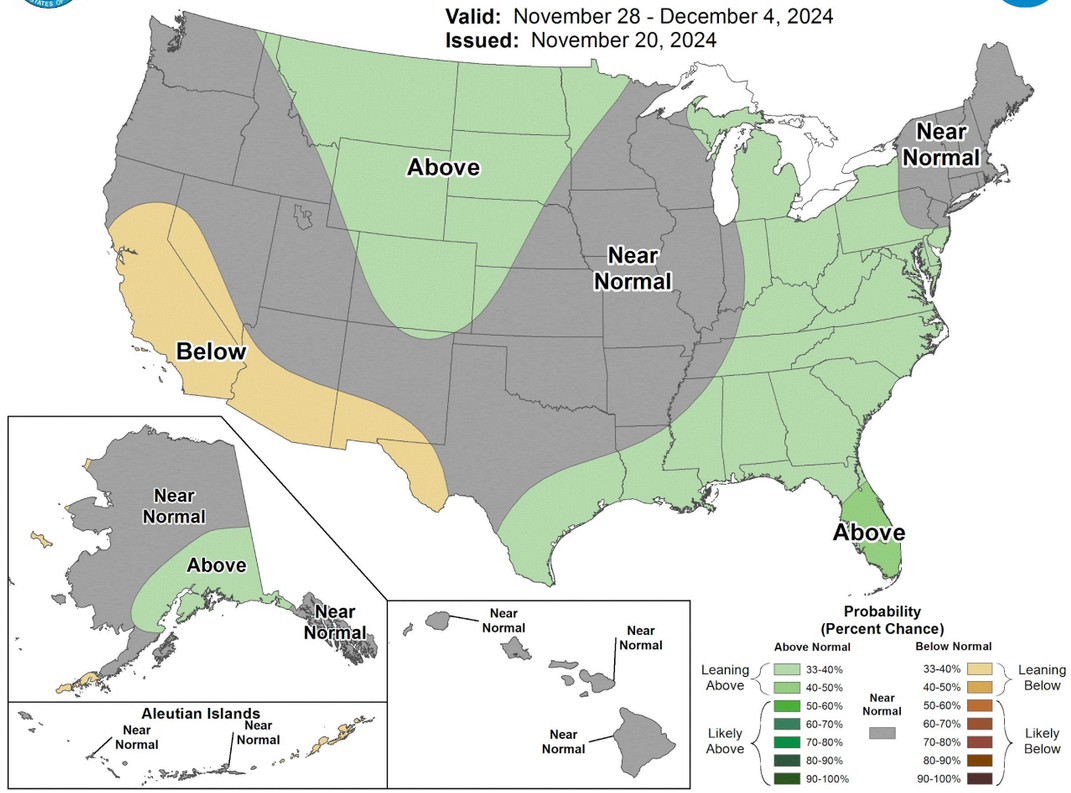
November 21, 2024
11:24 AM

The Latest Monthly and Seasonal Outlooks can be Found on the CPC homepage

8-14 Day Temperature Outlook



8-14 Day Precipitation Outlook



Main Takeaways

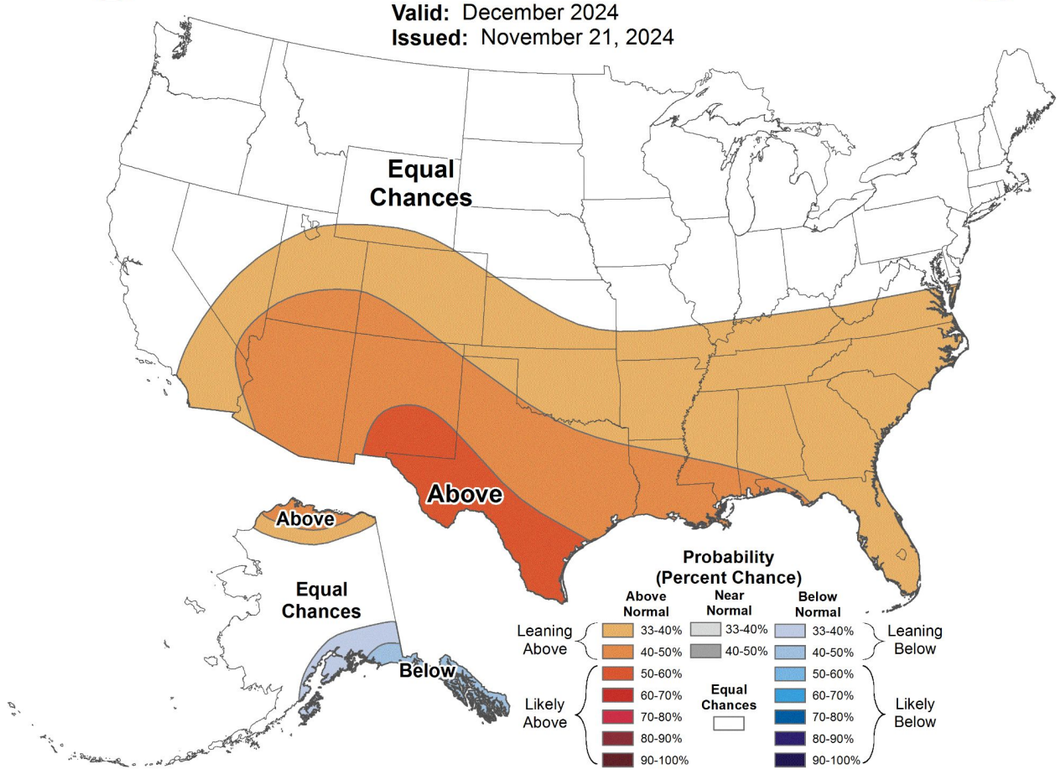
- A pattern change looks to occur towards the end of November and beginning of December bringing a 50-60% chance for below normal temperatures.
- Precipitation looks to be near normal for this timeframe.

December Monthly Outlooks

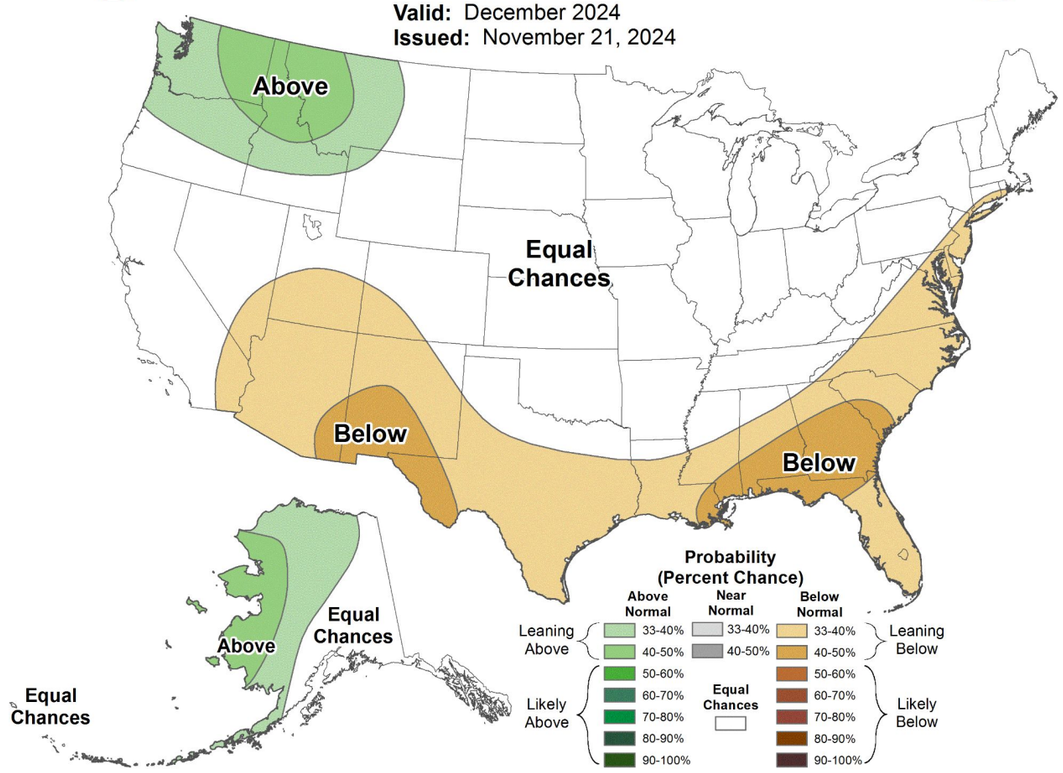
November 21, 2024
11:24 AM

The Latest Monthly and Seasonal Outlooks can be Found on the CPC homepage

Monthly Temperature Outlook



Monthly Precipitation Outlook



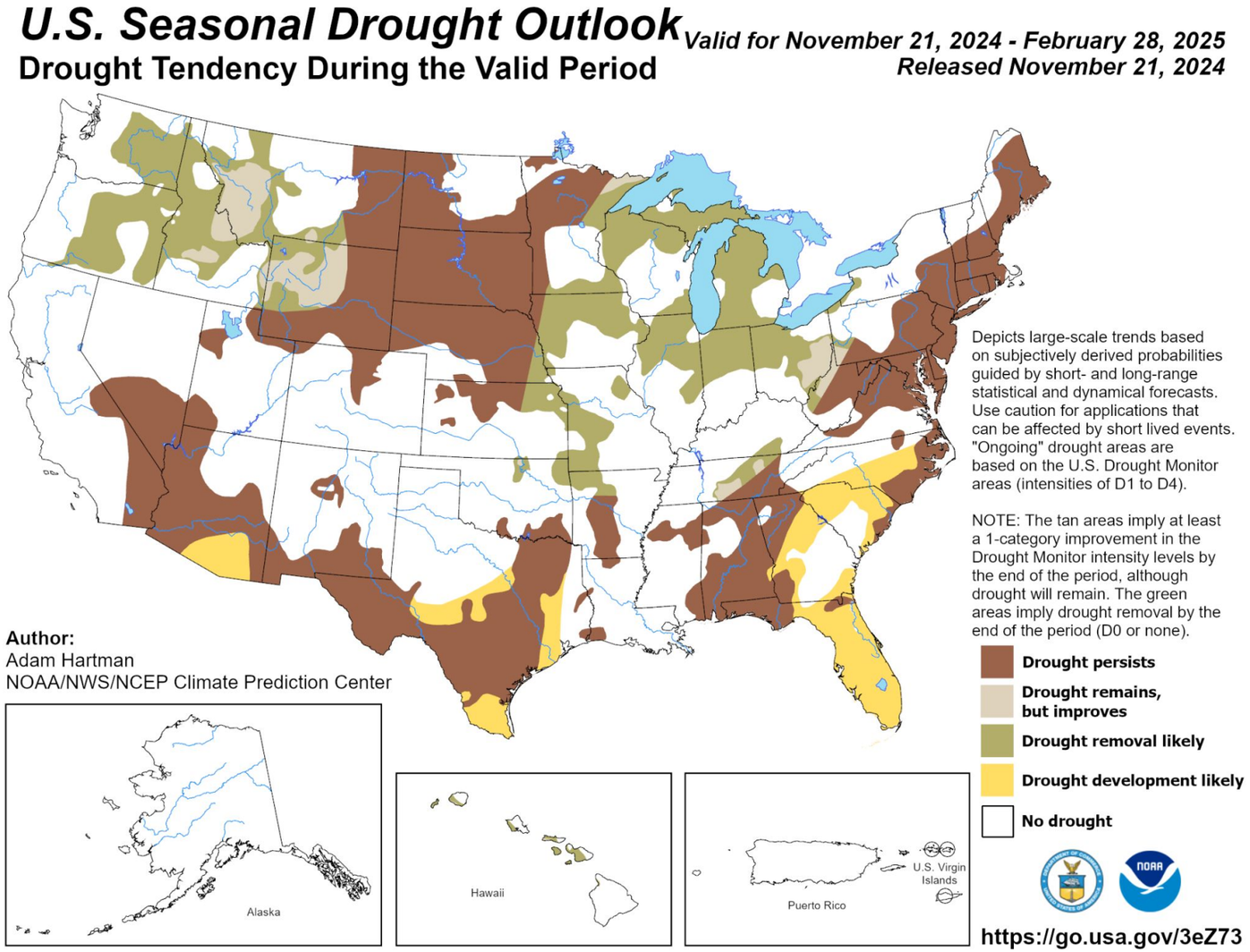
Main Takeaways

- The temperature pattern is slightly leaning toward above-normal temperatures for December in southern Missouri.
- The precipitation outlook is solidly within equal chances of below or above normal precipitation. Therefore, near normal precipitation is forecast for December.

Drought Outlook

November 21, 2024
11:24 AM

[Climate Prediction Center Monthly Drought Outlook](#) | [Climate Prediction Center Seasonal Drought Outlook](#)



Main Takeaways

- The current drought across southwest Missouri is forecast to be removed entirely by the end of the winter season.

Additional Drought Resources

November 21, 2024
11:24 AM

For Additional Information

- ➔ NWS Springfield Webpage | IDSS Point Forecasts
- ➔ NWS Springfield Drought Monitor Resources
- ➔ Graphical Hazardous Weather Outlook
- ➔ Missouri Drought Monitor | Kansas Drought Monitor
- ➔ Drought Monitor Archive
- ➔ CPC Drought Information
- ➔ National Integrated Drought Information System (NIDIS)
- ➔ National Drought Mitigation Center (NDMC)
- ➔ Missouri USGS Streamflows | Kansas USGS Streamflows
- ➔ Drought Safety