



Drought Briefing

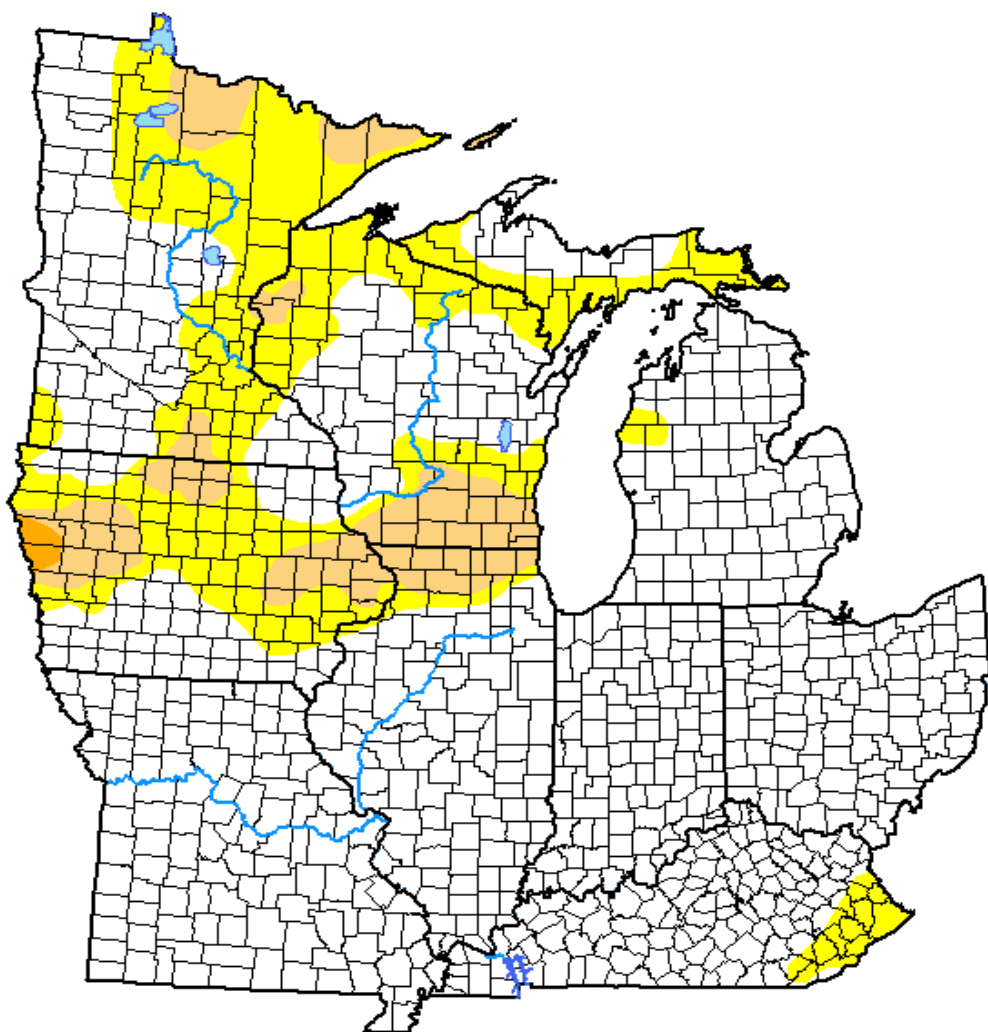
4/8/2022
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Update for the week of April 7, 2022

...Moderate Drought in parts of the DVN CWA...

U.S. Drought Monitor Midwest

April 5, 2022
(Released Thursday, Apr. 7, 2022)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	74.05	25.95	7.31	0.26	0.00	0.00
Last Week 03-29-2022	70.69	29.31	10.21	0.34	0.00	0.00
3 Months Ago 01-04-2022	63.32	36.68	15.25	2.41	0.00	0.00
Start of Calendar Year 01-04-2022	63.32	36.68	15.25	2.41	0.00	0.00
Start of Water Year 09-28-2021	57.44	42.56	23.36	12.29	4.16	0.00
One Year Ago 04-06-2021	52.66	47.34	10.82	1.40	0.23	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:

Deborah Bathke
National Drought Mitigation Center



droughtmonitor.unl.edu



Drought Message of the Day:

- Wet weather in March and early April resulted in a decrease in the areal coverage and intensity of drought.



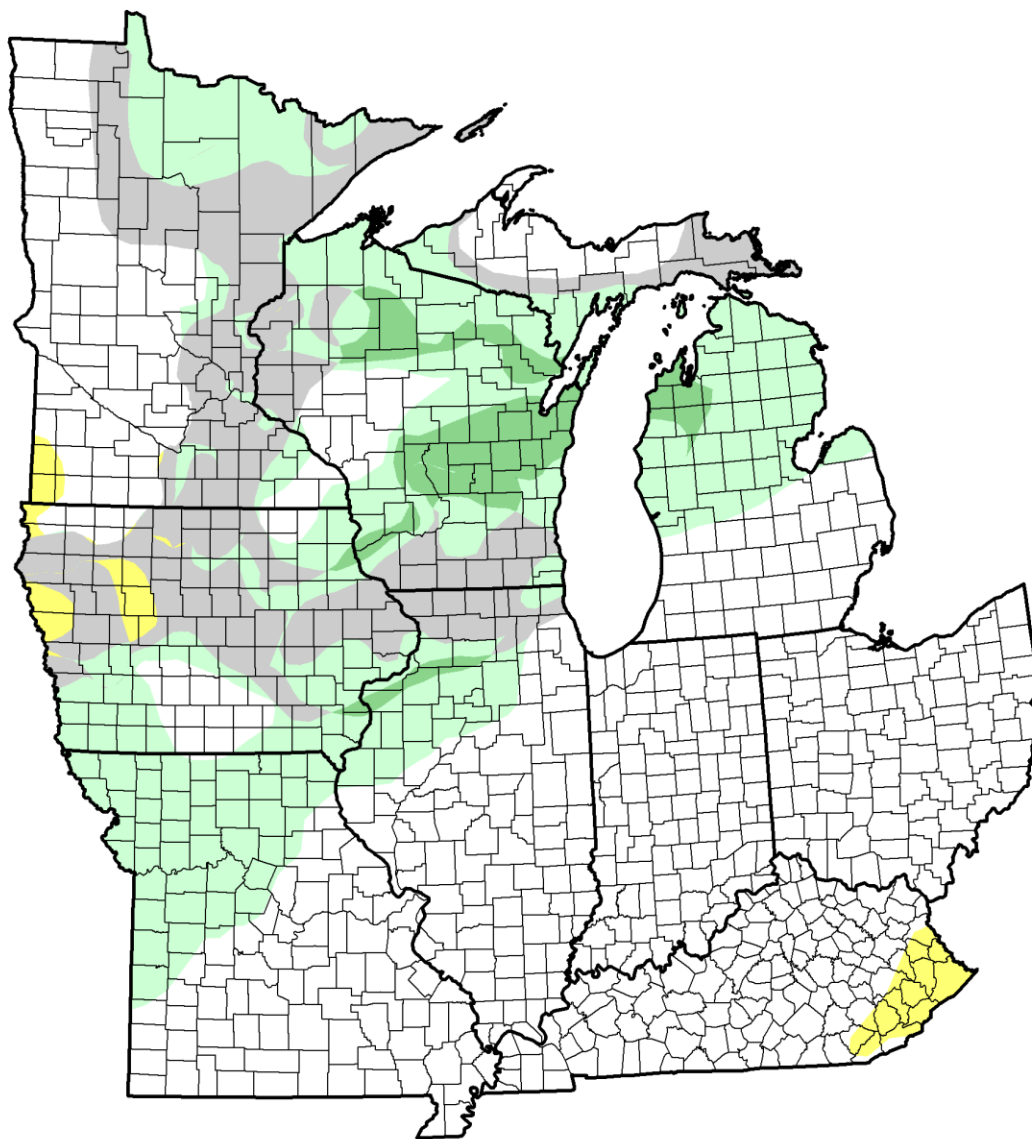
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Change in Drought Status

U.S. Drought Monitor Class Change - Midwest Climate Region
4 Week



April 5, 2022
compared to
March 8, 2022

droughtmonitor.unl.edu

Important Changes since Last Month:

NEW

- Improvements over a large area mainly south of I-80 during the last 4 weeks.



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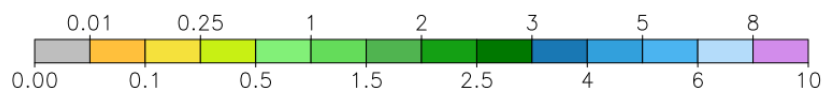
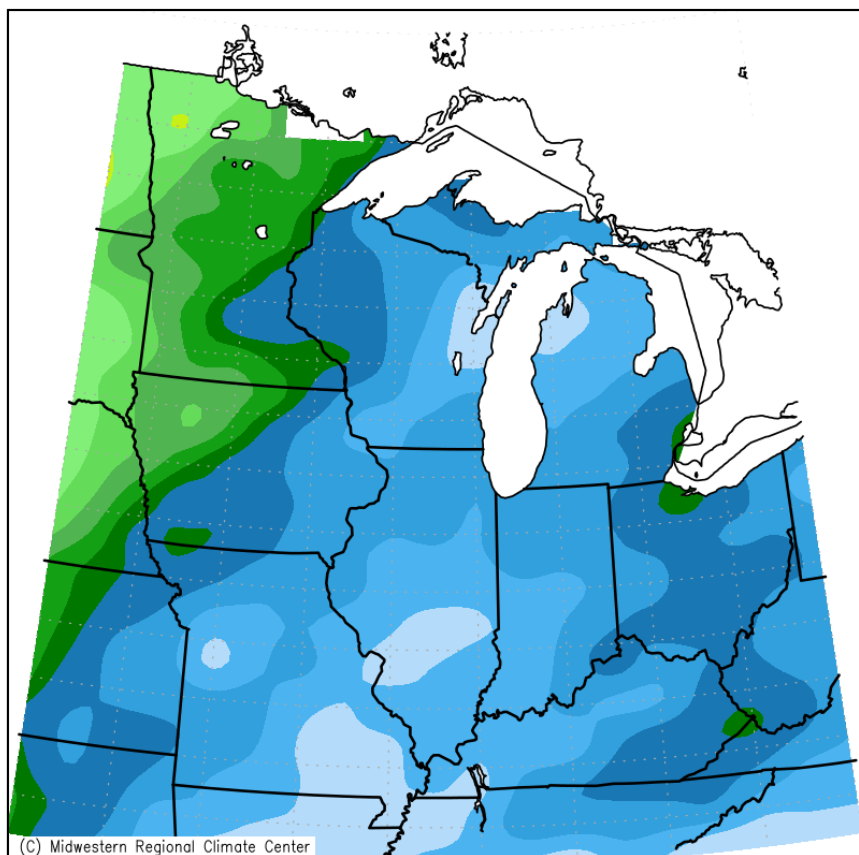
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Precipitation since March 1

Total Precipitation

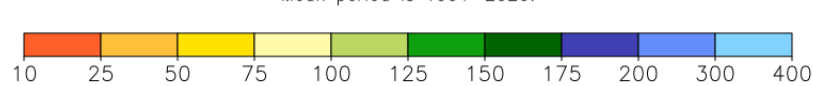
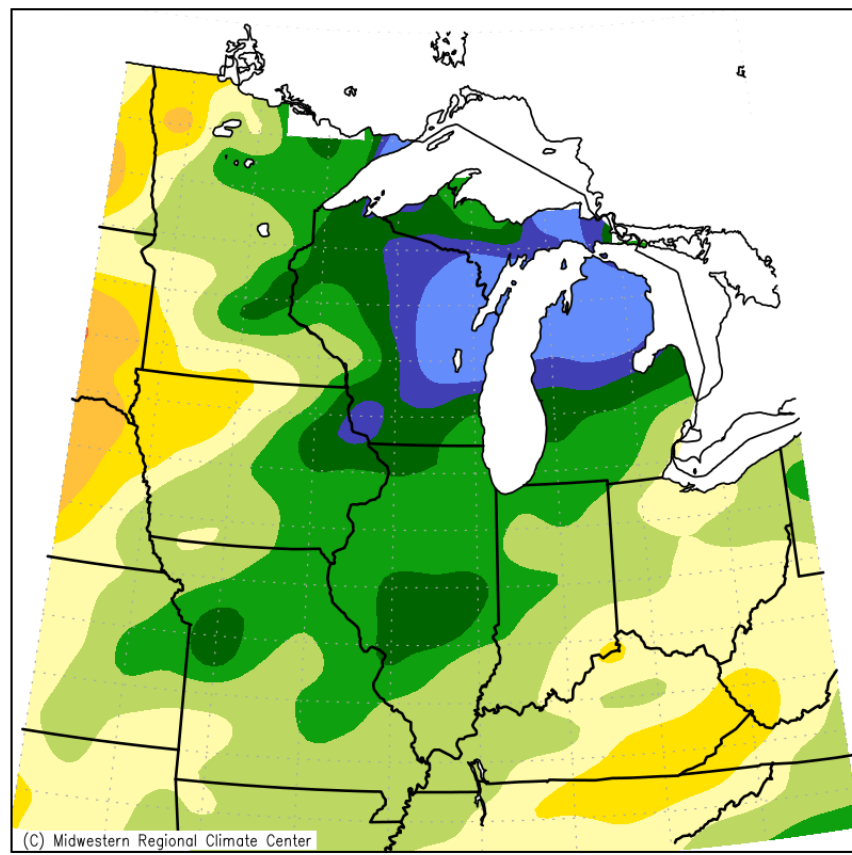
Percent of Normal

Accumulated Precipitation (in)
March 1, 2022 to April 8, 2022



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 4/8/2022 1:53:03 PM CDT

Accumulated Precipitation: Percent of Mean
March 1, 2022 to April 8, 2022



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 4/8/2022 1:54:03 PM CDT



Maps courtesy of the Midwestern Regional Climate Center



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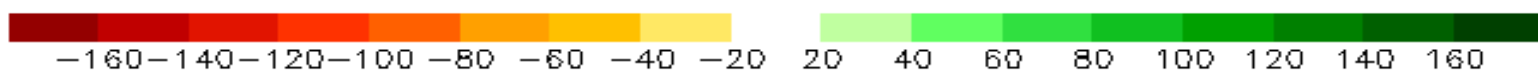
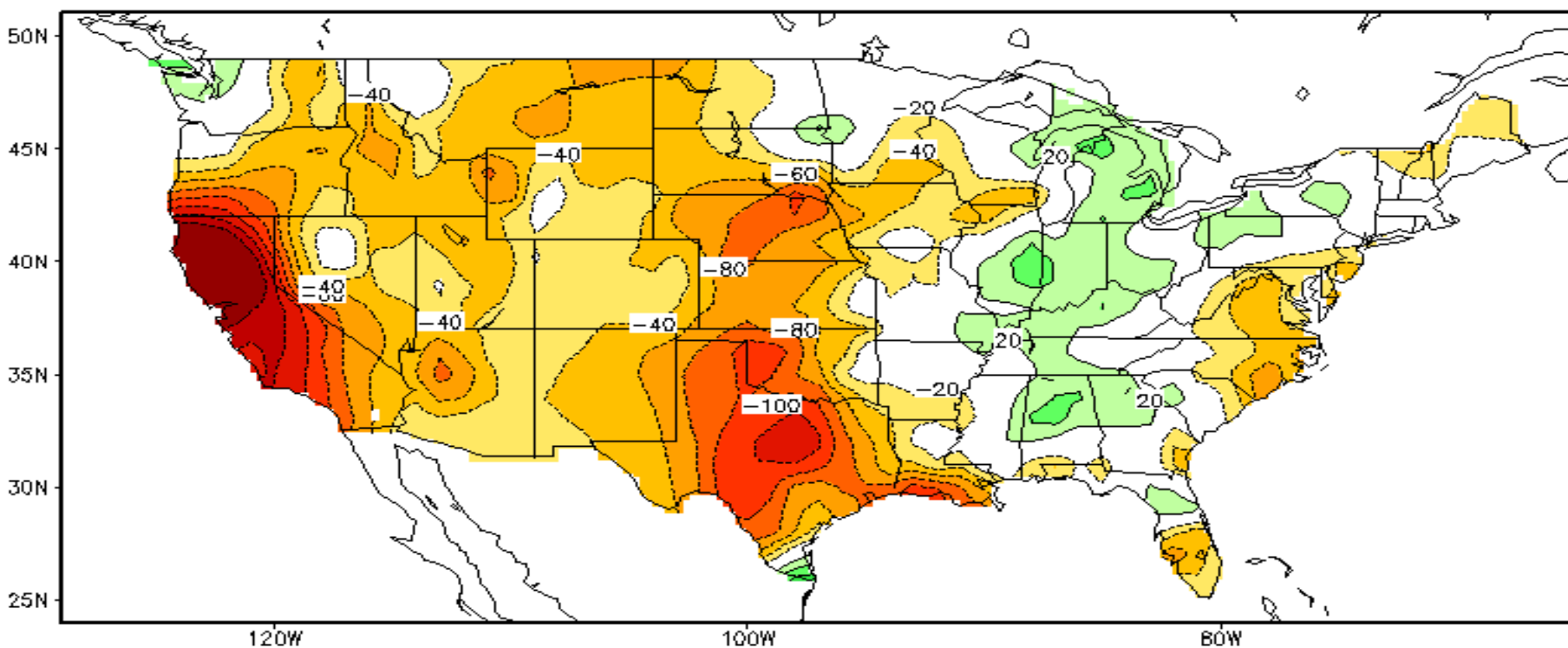
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Soil Moisture Status from CPC

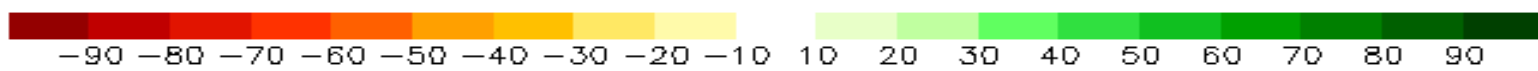
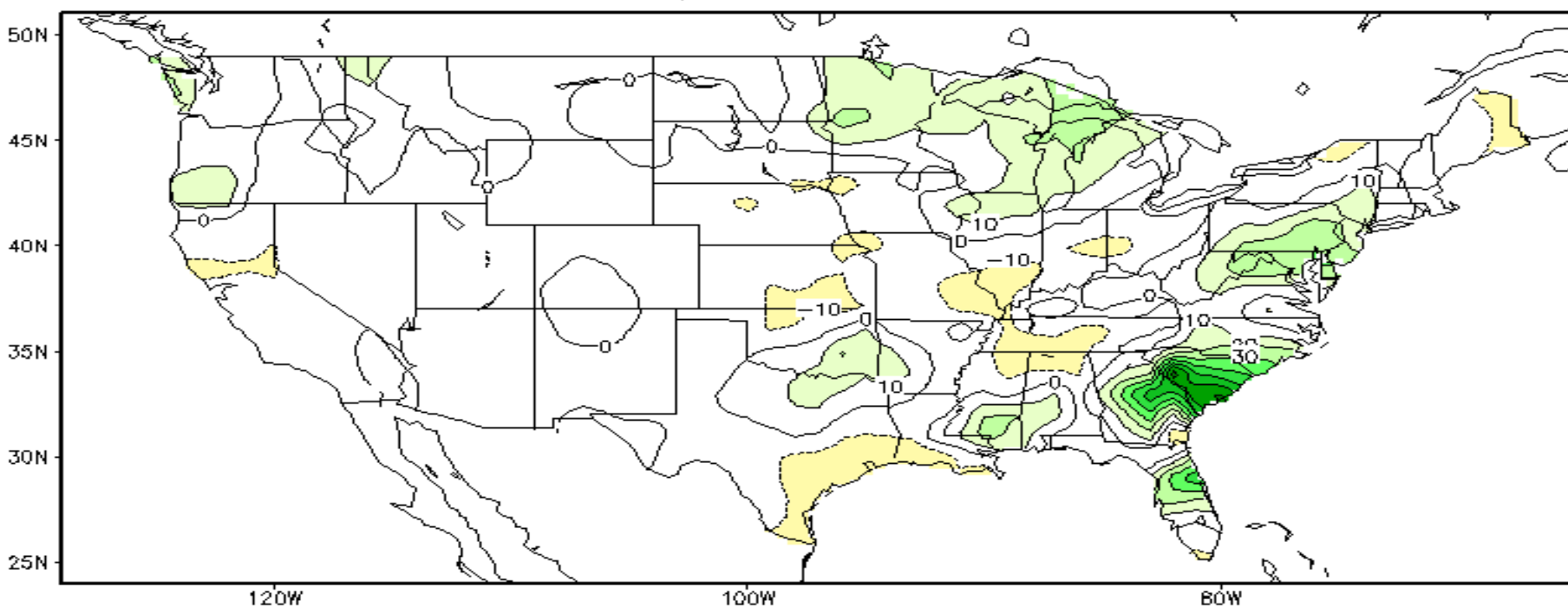
Soil Moisture Difference from Normal

Calculated Soil Moisture Anomaly (mm)
APR 07, 2022



Soil Moisture Change

Calculated Soil Moisture Anomaly Change
APR 07, 2022 from MAR.31





Drought Briefing

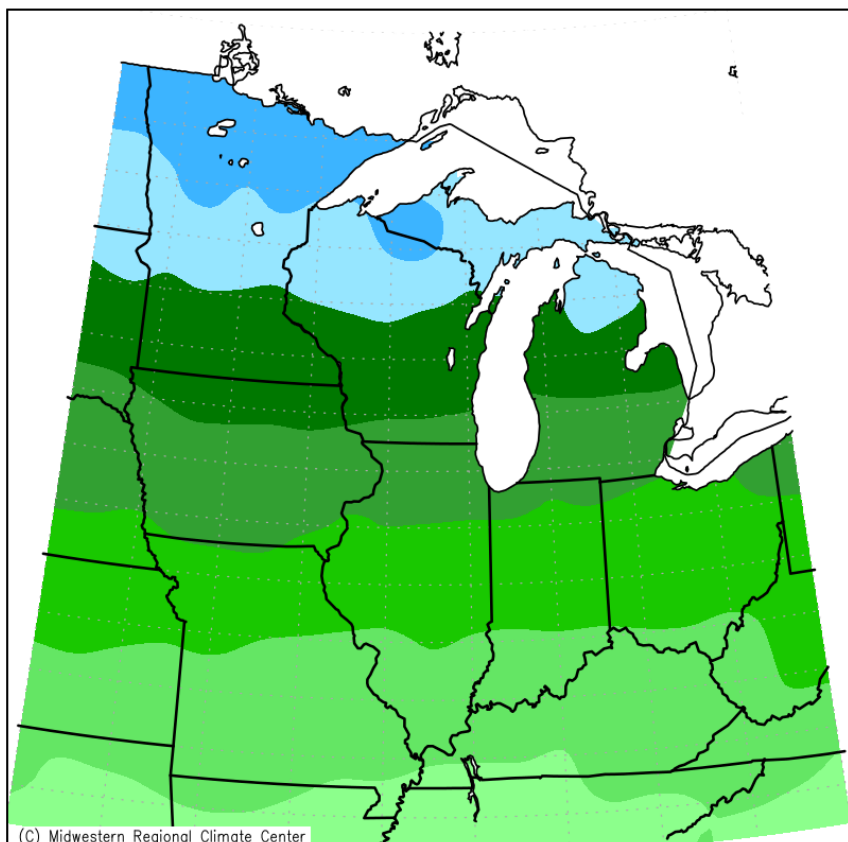
4/8/2022

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Temperatures since March 1

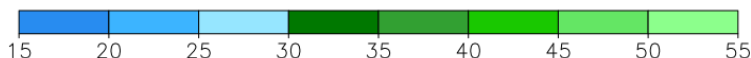
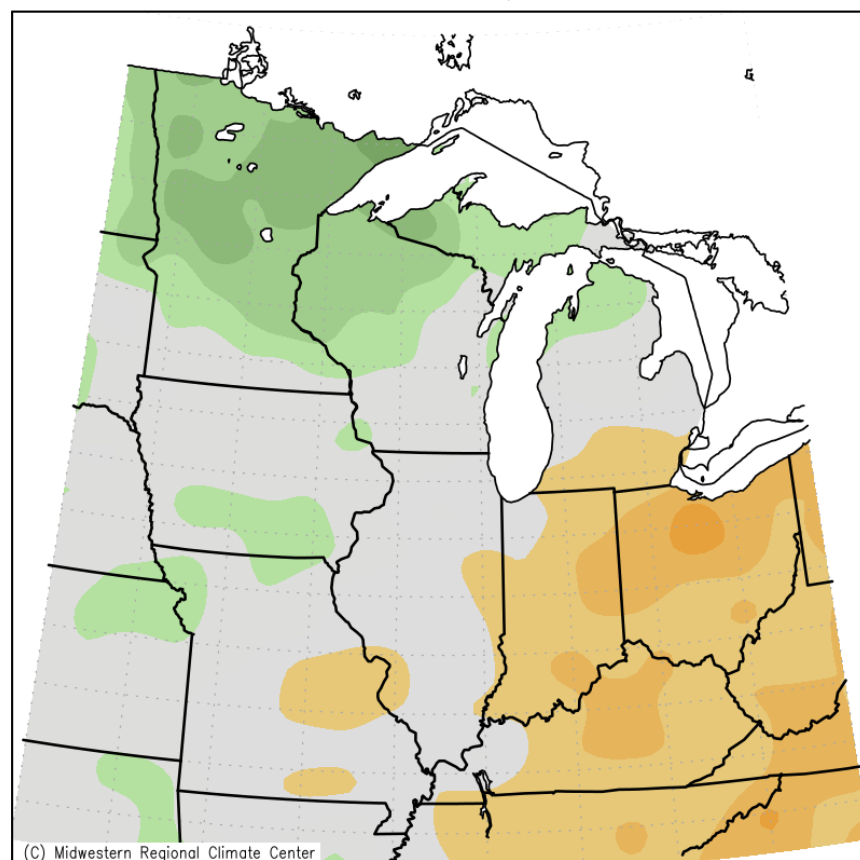
Average Temperature

Average Temperature (°F)
March 1, 2022 to April 7, 2022



Difference from Normal

Average Temperature (°F): Departure from Mean
March 1, 2022 to April 7, 2022



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 4/8/2022 1:56:41 PM CDT

Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 4/8/2022 1:55:49 PM CDT



Maps courtesy of the Midwestern Regional Climate Center



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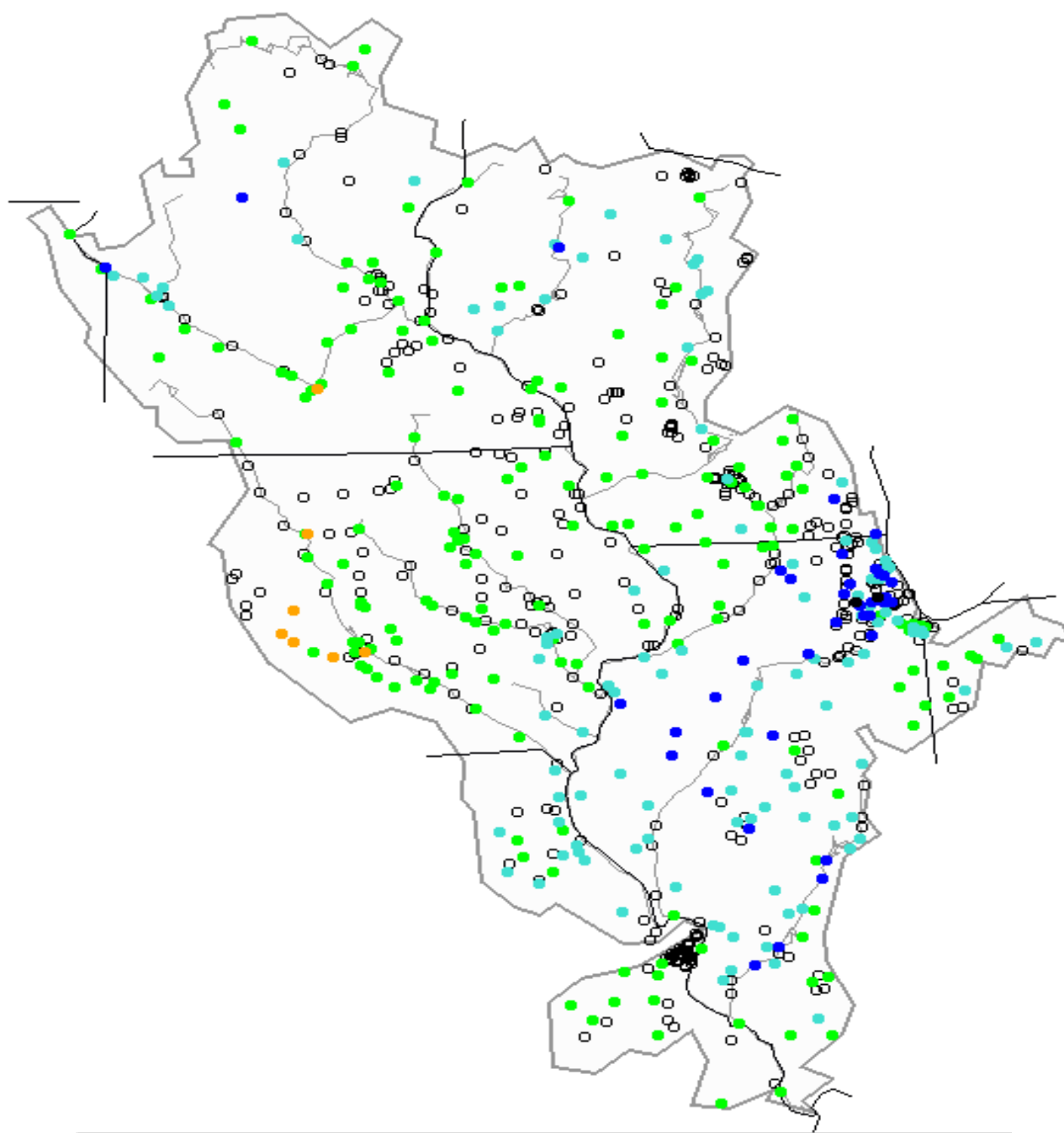
4/8/2022

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USGS Streamflow Levels

- River levels...rising to near or above normal values
 - Navigation
- Groundwater...increasing but short in some spots

Friday, April 08, 2022 15:30ET



Explanation - Percentile classes

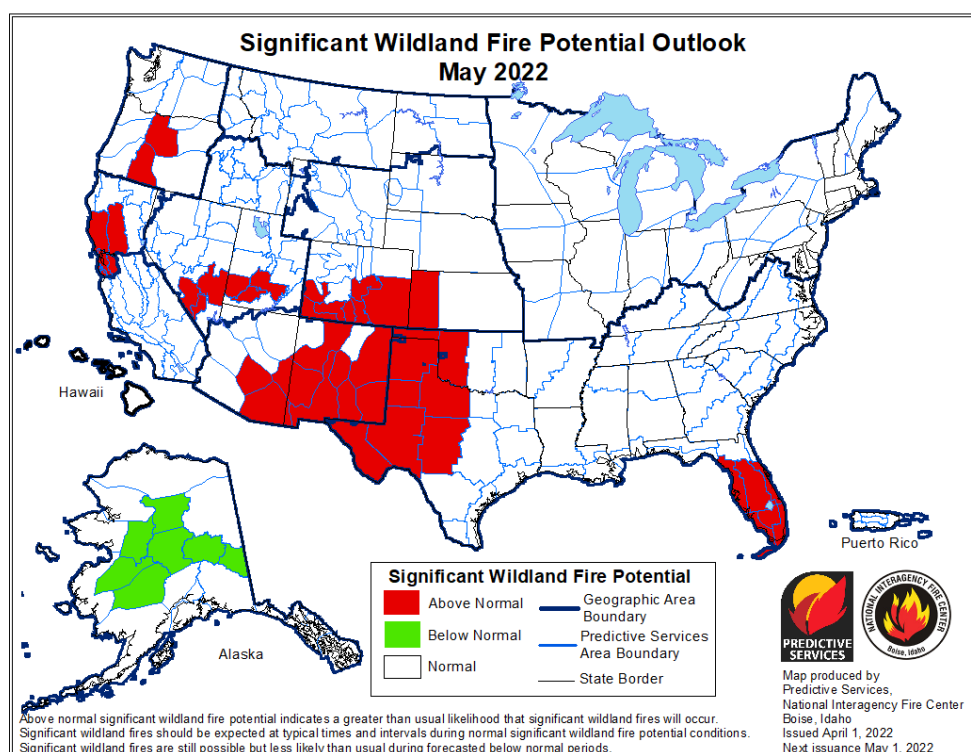
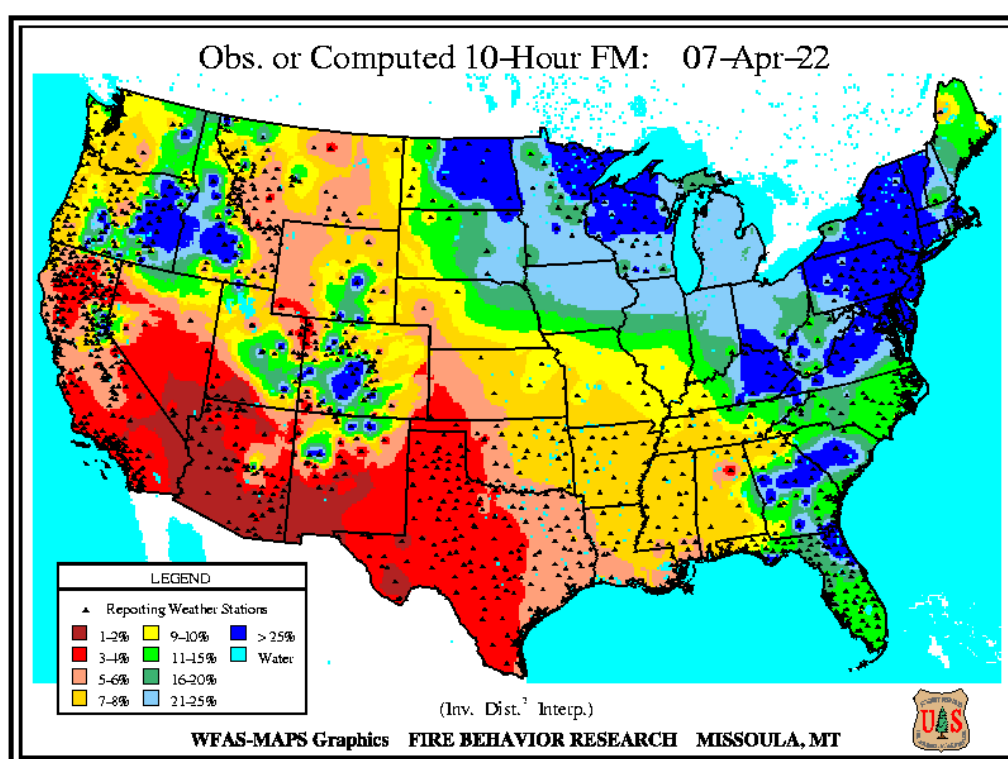
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		



Drought Briefing

Fire Weather Conditions

- Fire status and burn bans...will be driven by day to day weather where strong winds with warm temperatures and low humidity levels will increase risk.





Drought Briefing

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Impacts and Actions

- Crop condition...too early for impacts at this time
- Water restrictions...none
- Ecological effects...none known
- Other...



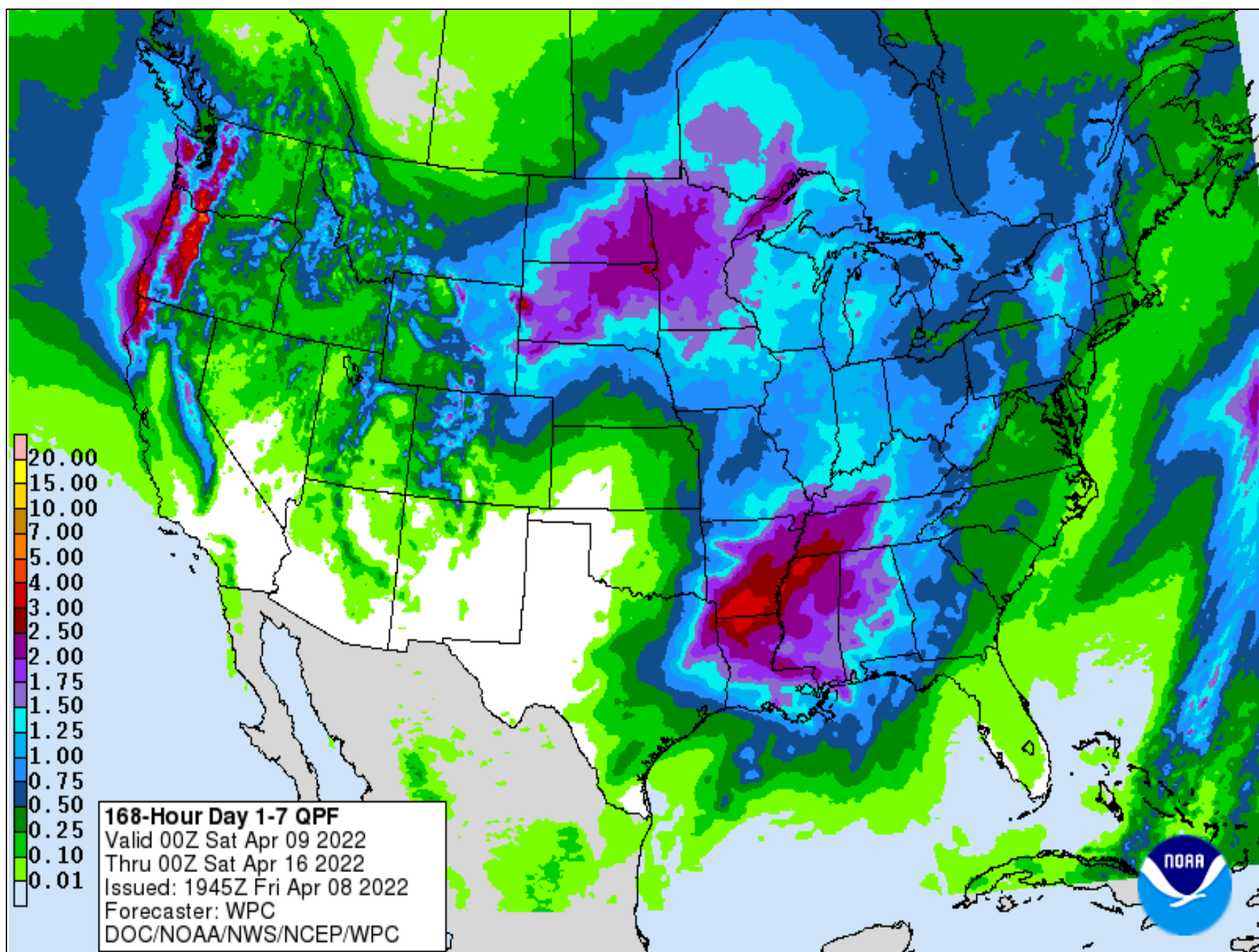
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WPC 7-day Precipitation Forecast

April 9-16, 2022





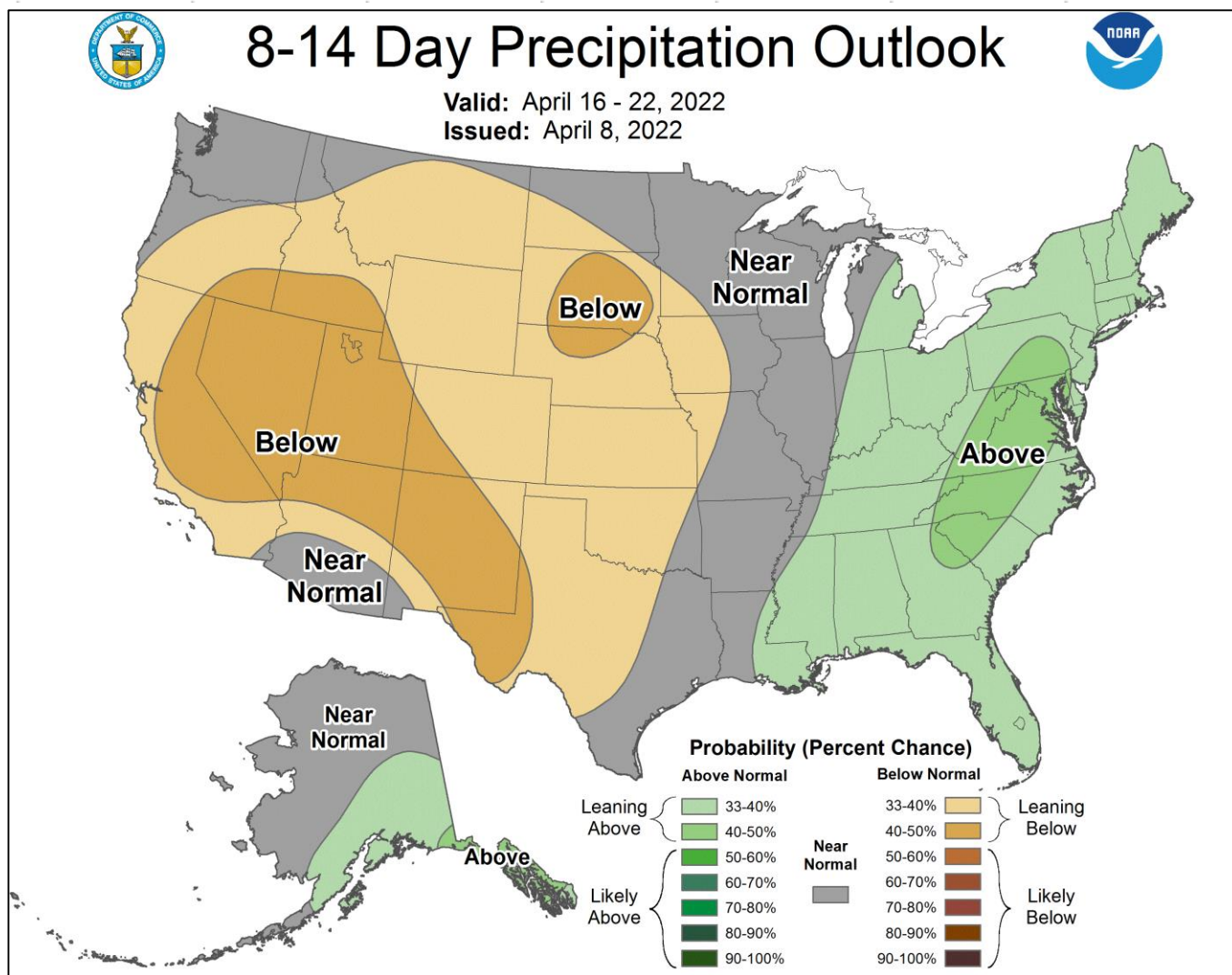
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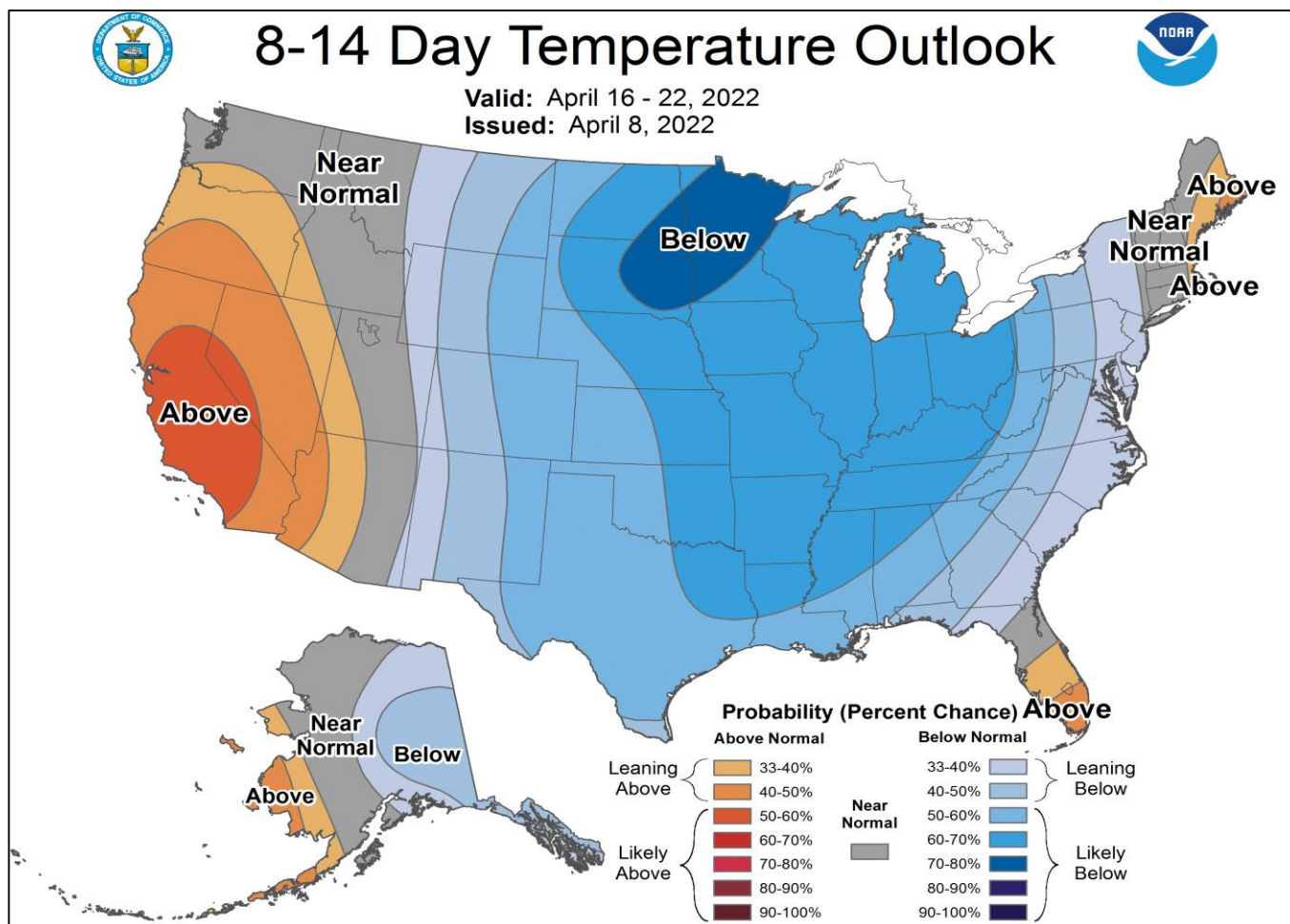
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CPC Week 2 Outlooks for April 15-21, 2022

Precipitation



Temperature





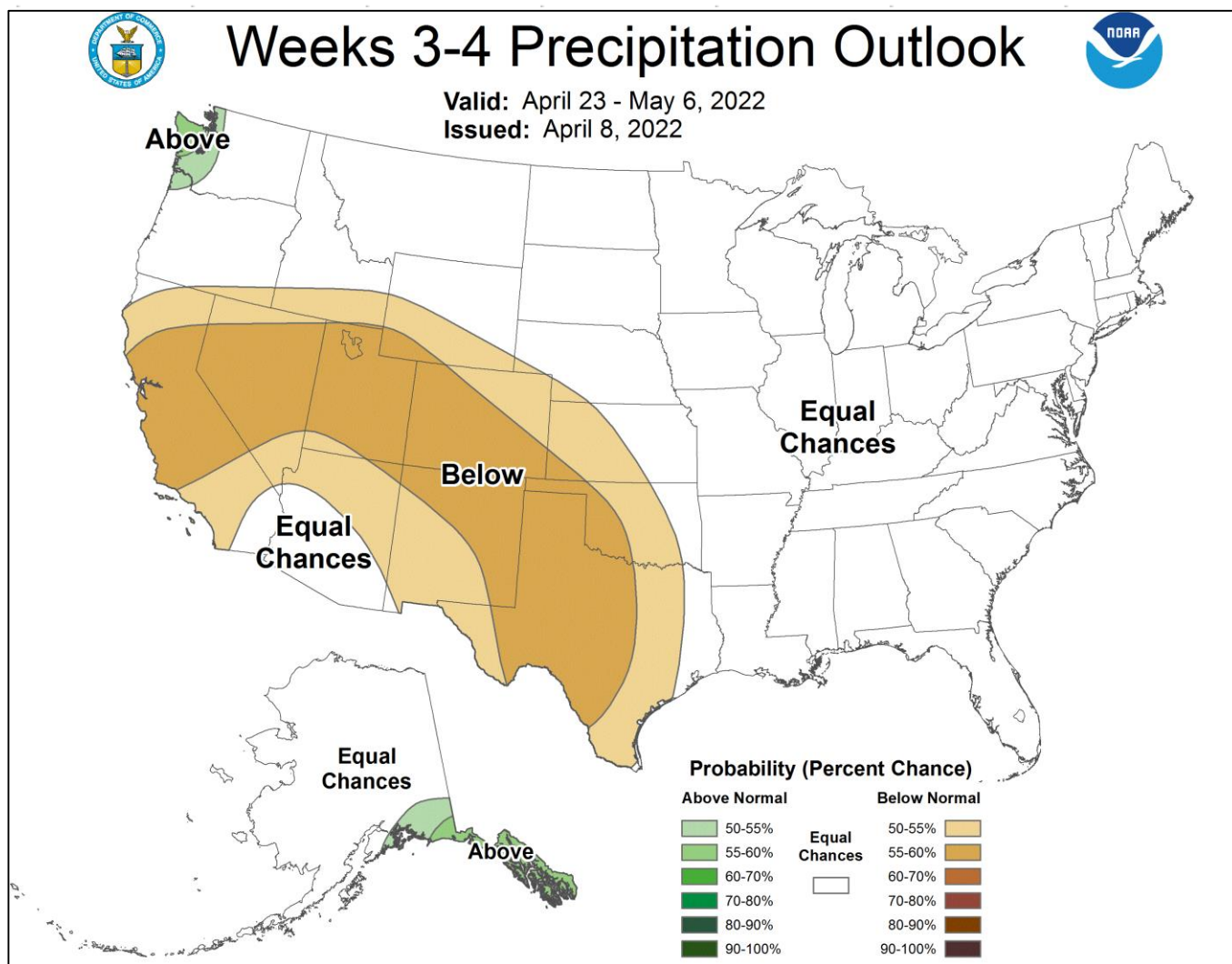
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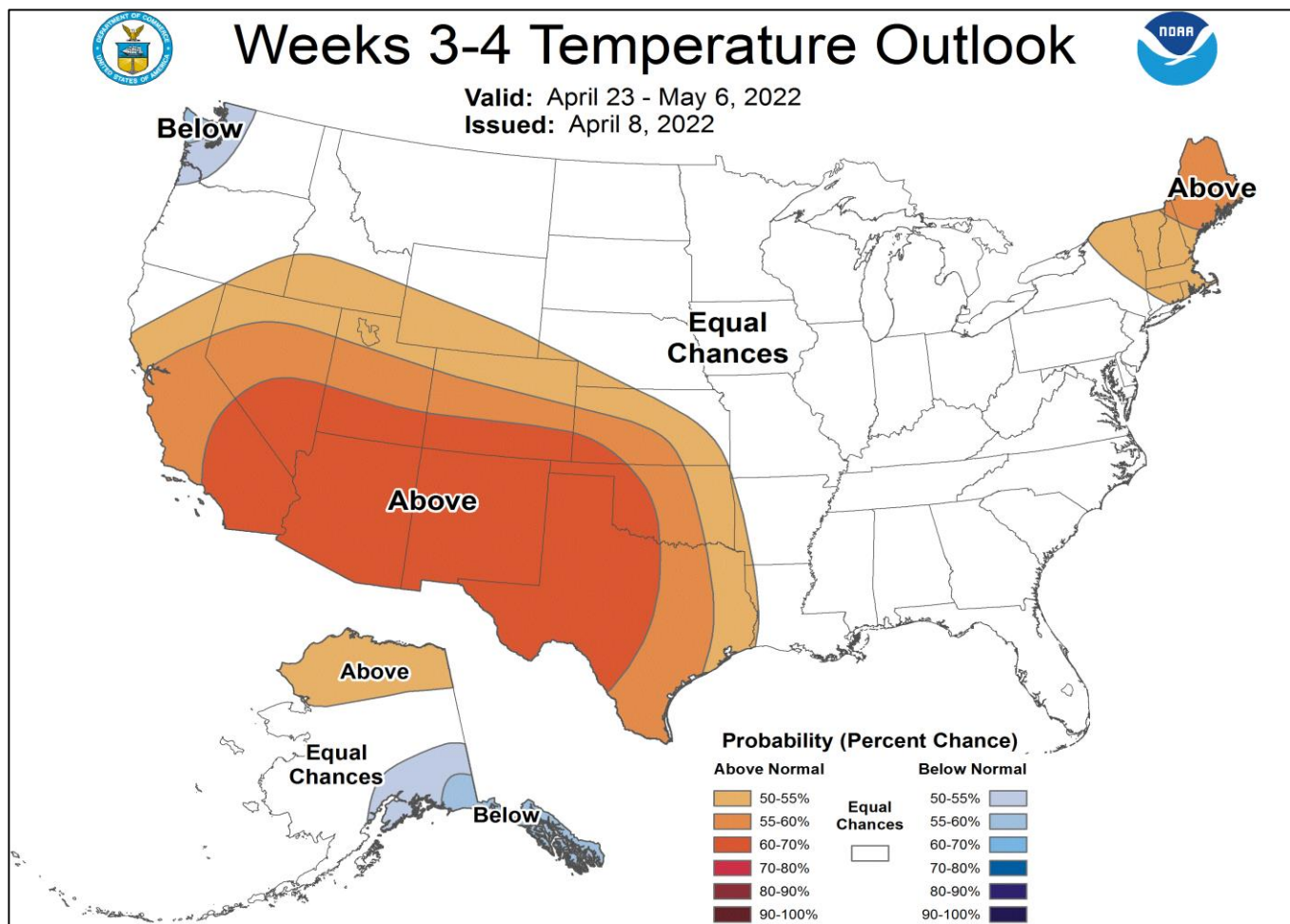
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CPC Week 3-4 Outlooks for April 16-29, 2022

Precipitation



Temperature





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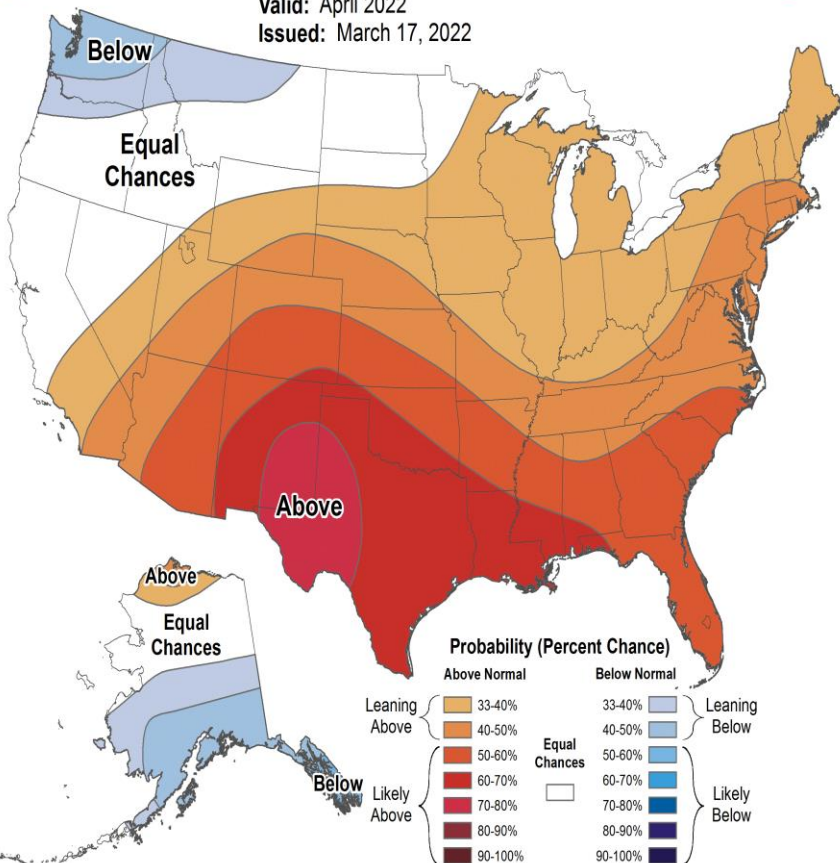
CPC Monthly Outlooks for April



Monthly Temperature Outlook



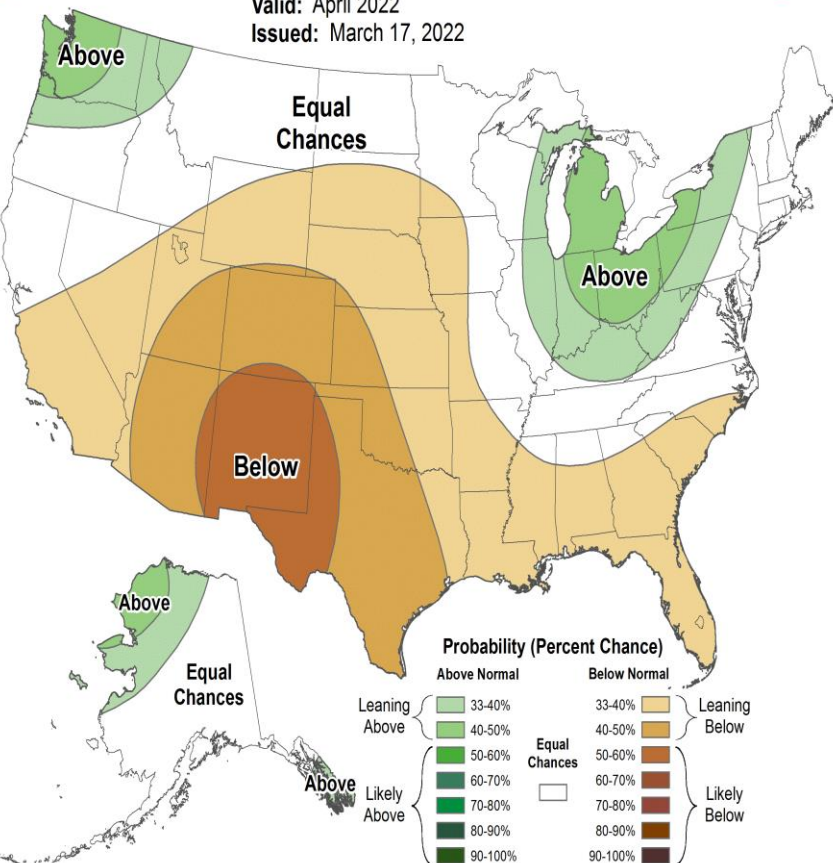
Valid: April 2022
Issued: March 17, 2022



Monthly Precipitation Outlook



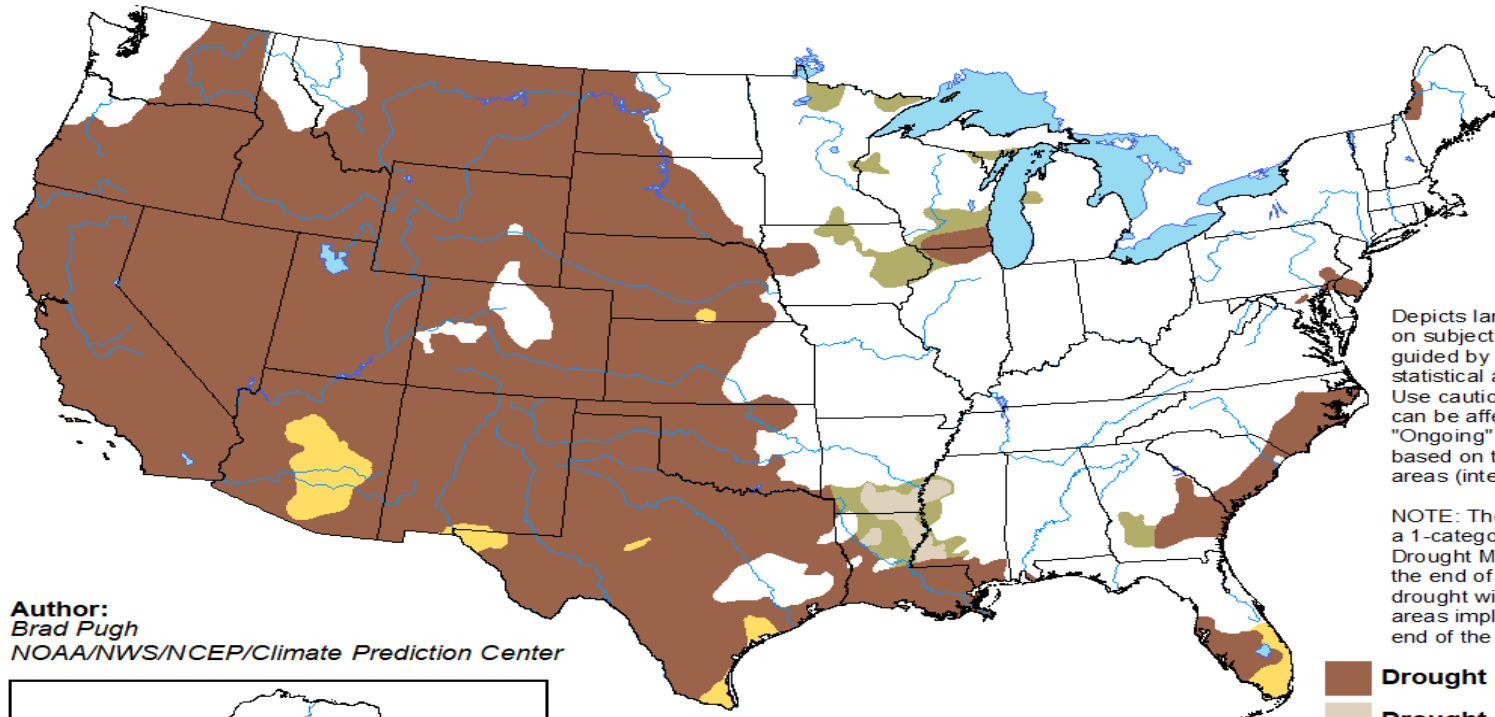
Valid: April 2022
Issued: March 17, 2022



U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period

Valid for April 2022
Released March 31, 2022



Author:
Brad Pugh
NOAA/NWS/NCEP/Climate Prediction Center

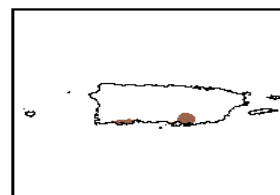
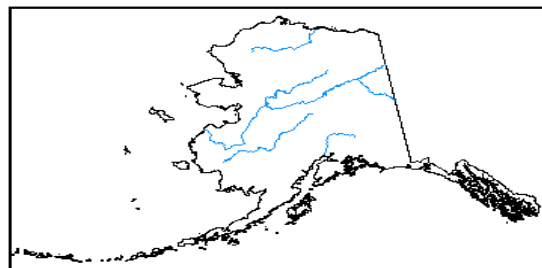
Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

- Drought persists
- Drought remains but improves
- Drought removal likely
- Drought development likely



<http://go.usa.gov/3eZGd>





Drought Briefing

4/8/2022

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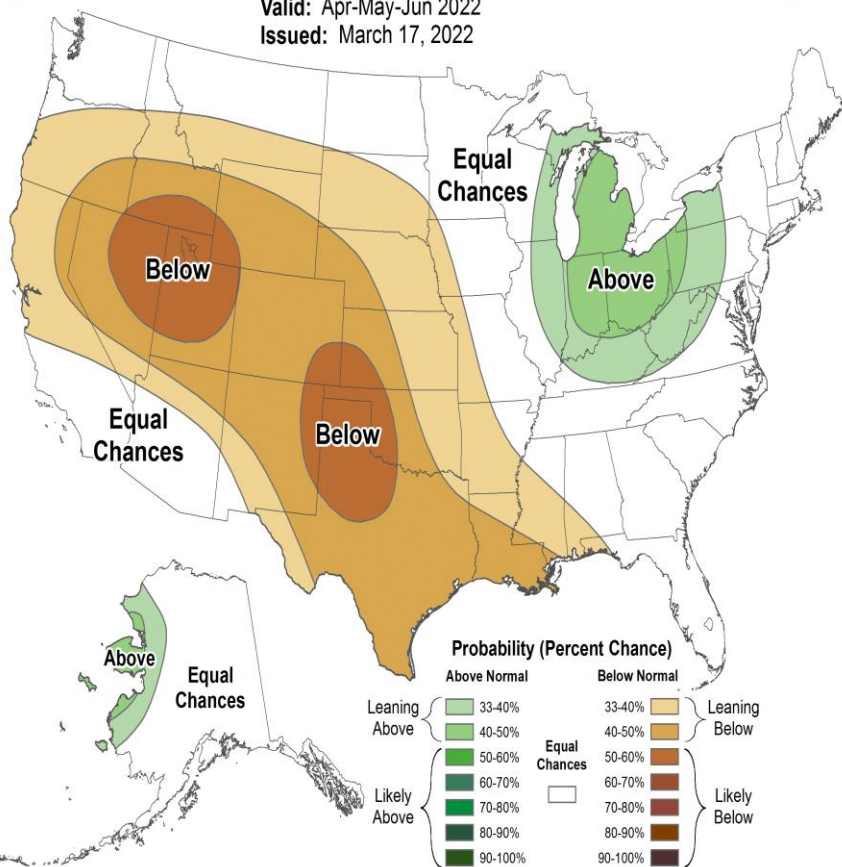
CPC Seasonal Outlook for April, May, June



Seasonal Precipitation Outlook



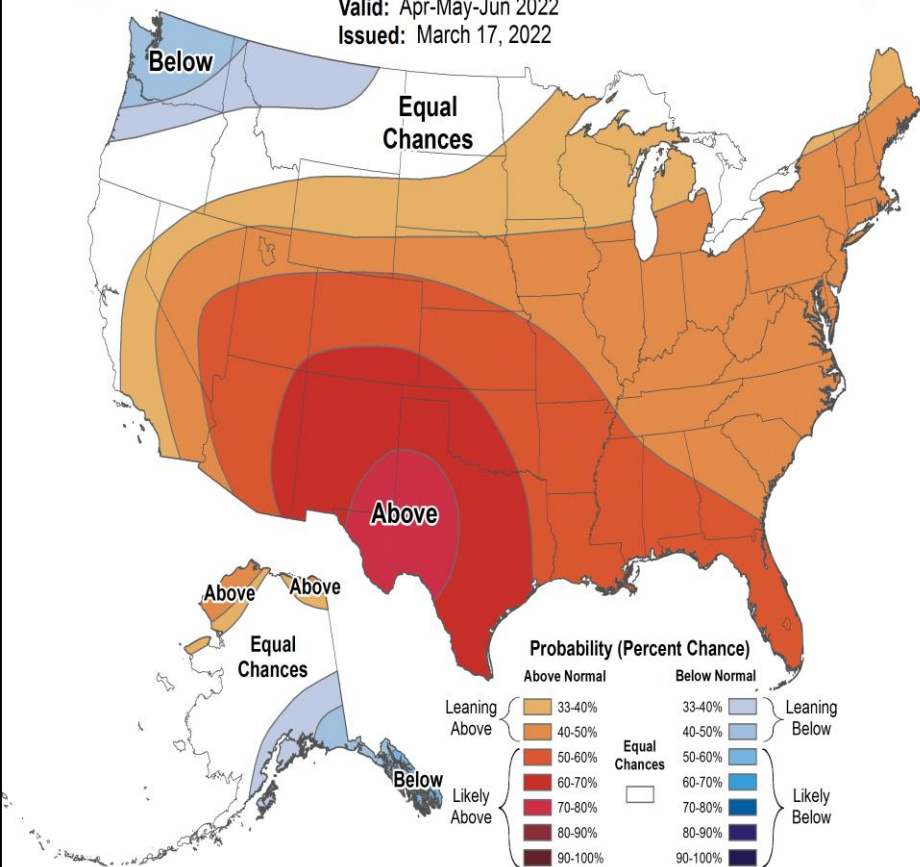
Valid: Apr-May-Jun 2022
Issued: March 17, 2022



Seasonal Temperature Outlook



Valid: Apr-May-Jun 2022
Issued: March 17, 2022

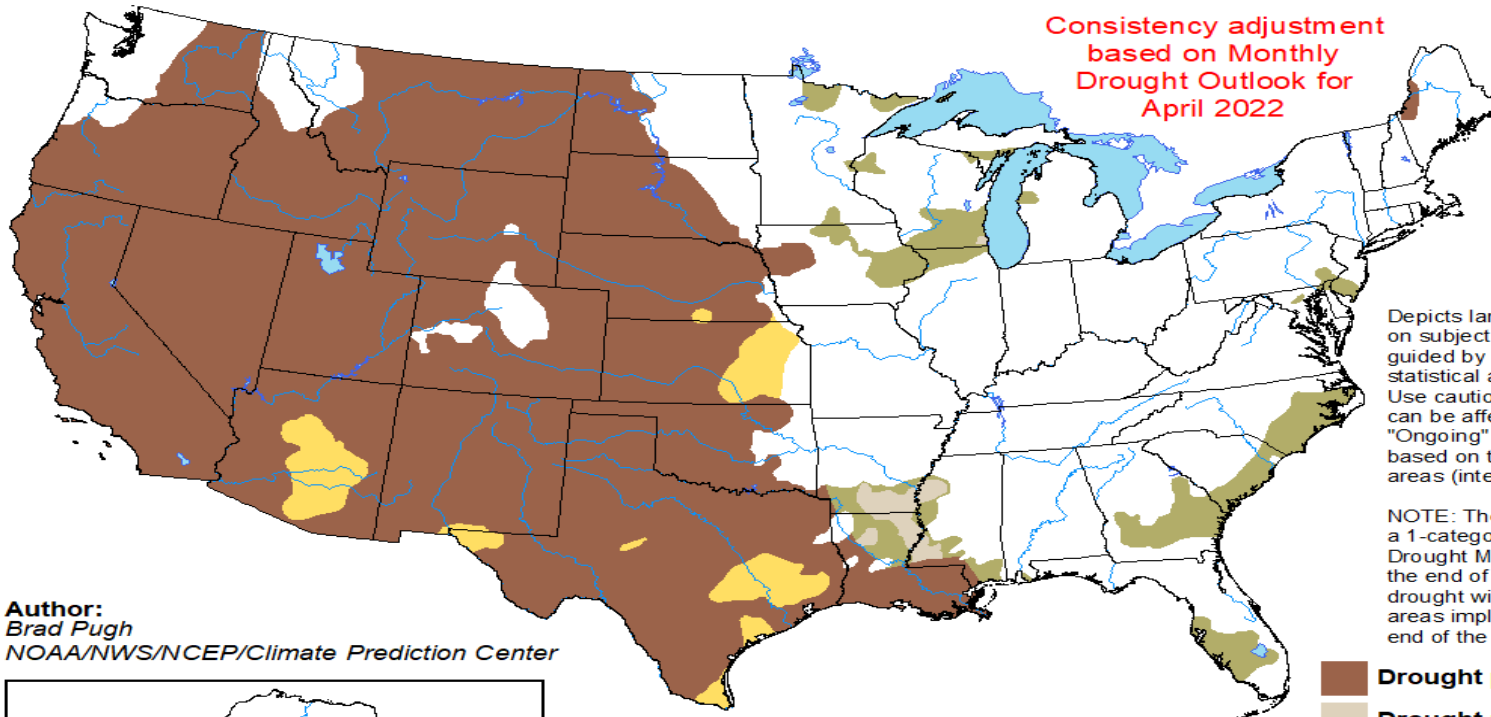


U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for April 1 - June 30, 2022
Released March 31, 2022

Consistency adjustment
based on Monthly
Drought Outlook for
April 2022



Author:
Brad Pugh
NOAA/NWS/NCEP/Climate Prediction Center

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- Drought development likely



<http://go.usa.gov/3eZ73>



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4/8/2022

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Summary

- General improvement in drought conditions across the area
- Above normal precip and near normal temperatures since March 1
- Active weather likely next week, trending cooler and possibly drier in week 2
- Hydro outlook/trends...continuing near to above normal levels
- Fire weather outlook/trends...driven by daily weather
- Other info...none
- Next issuance date...early May

Partners

National Drought Mitigation Center - <https://drought.unl.edu/>

National Integrated Drought Information System - <https://www.drought.gov/drought/>

USDA Climate Hubs - <https://www.climatehubs.oce.usda.gov/hubs/midwest>

US Forest Service - <https://www.wfas.net/>

US Geological Survey - <https://waterwatch.usgs.gov/>

Midwestern Regional Climate Center - <https://mrcc.purdue.edu/>

High Plains Regional Climate Center - <https://hprcc.unl.edu/>

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