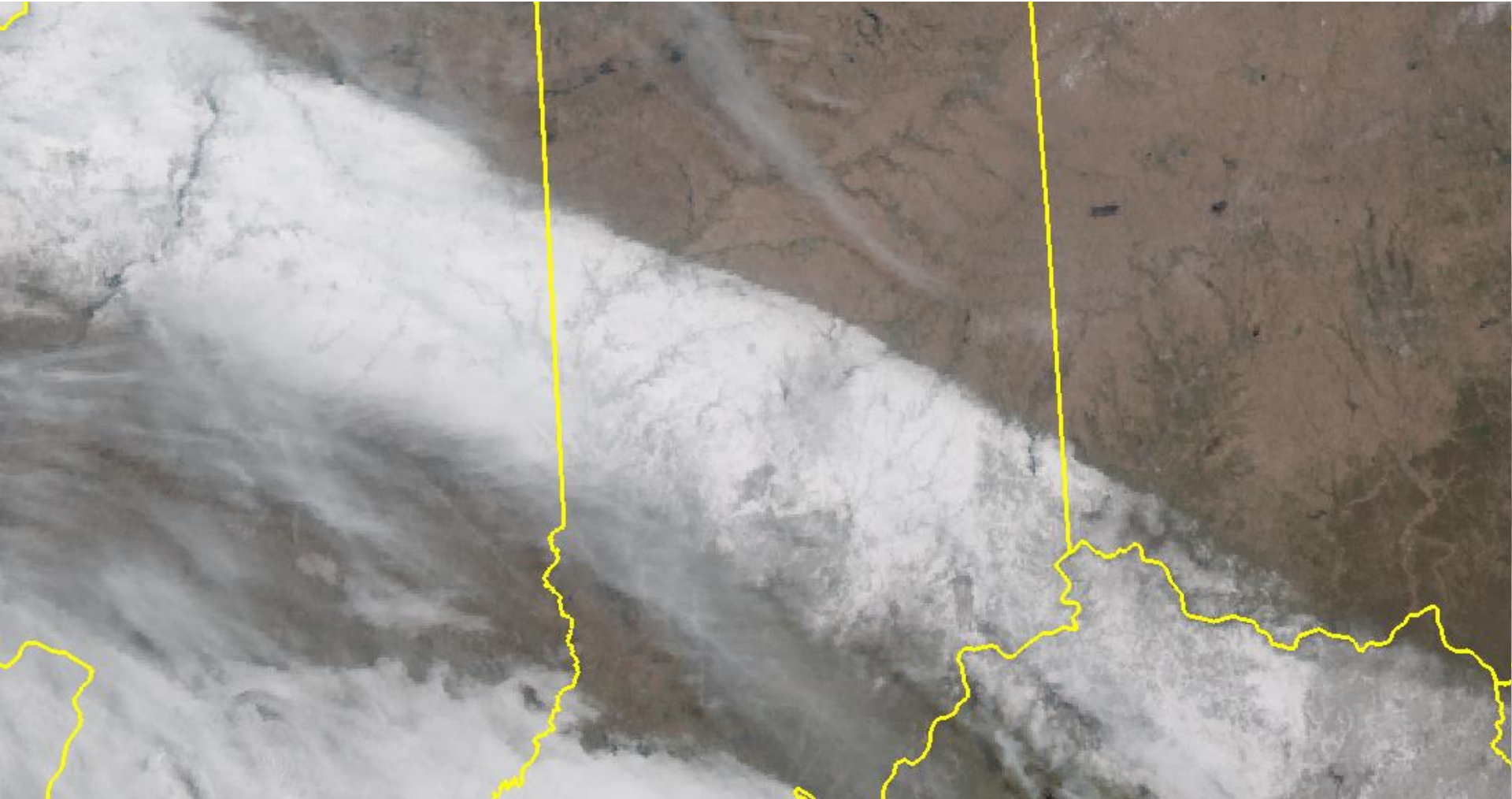


Hydrologic and Climate Assessment

March 26, 2018



Aaron B. Wilson

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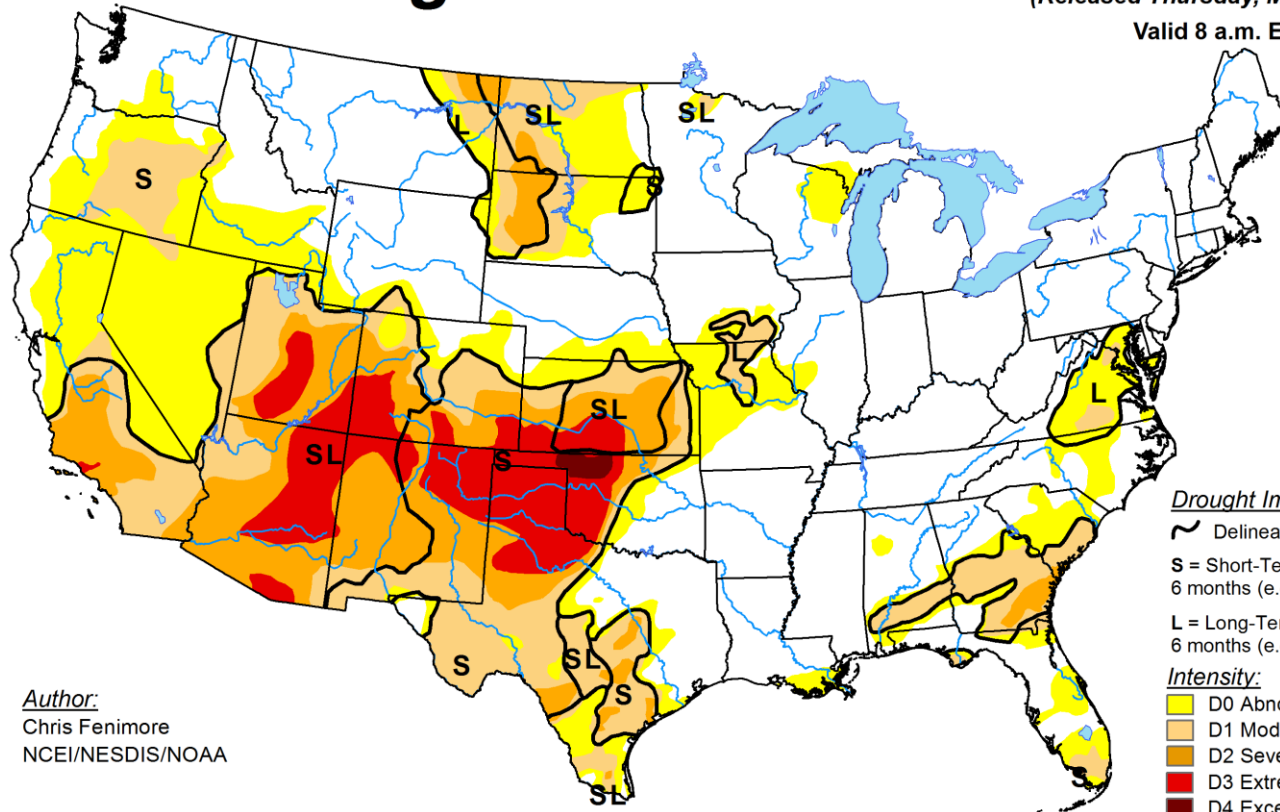
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U.S. Drought Monitor

March 20, 2018
 (Released Thursday, Mar. 22, 2018)
 Valid 8 a.m. EDT



Author:
 Chris Fenimore
 NCEI/NESDIS/NOAA

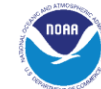
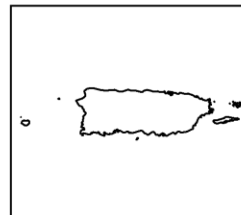
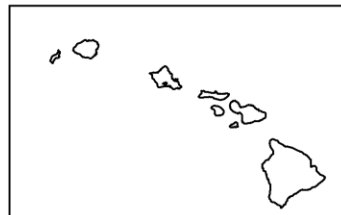
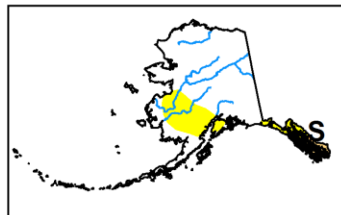
Drought Impact Types:

- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- 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. See accompanying text summary for forecast statements.



<http://droughtmonitor.unl.edu/>



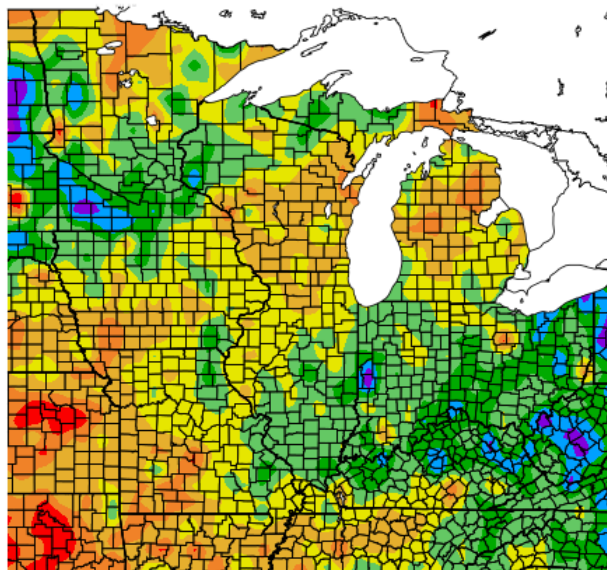
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Temperature Differences Compared to Average (1981-2010)

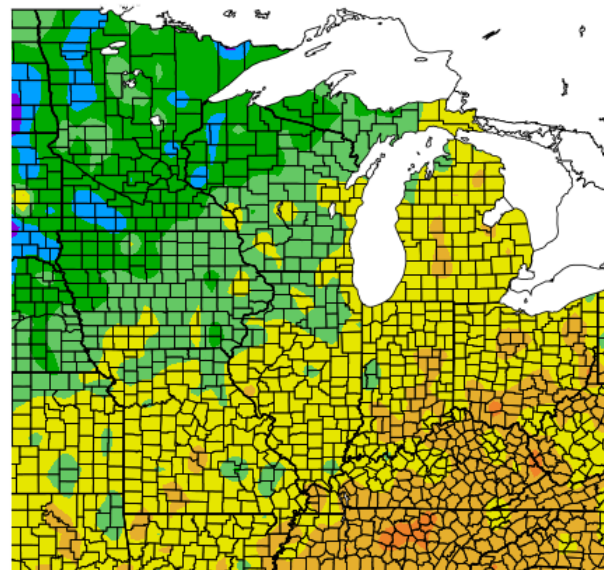
30-Day

Departure from Normal Temperature (F)
2/24/2018 – 3/25/2018



60-Day

Departure from Normal Temperature (F)
1/25/2018 – 3/25/2018



Generated 3/26/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers Generated 3/26/2018 at HPRCC using provisional data.

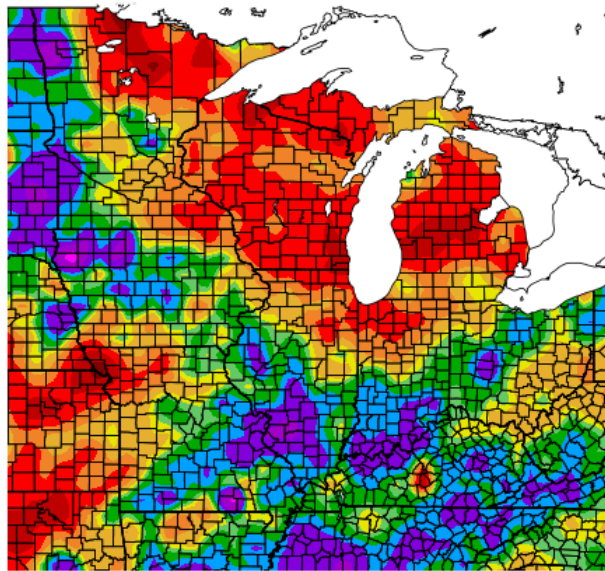
NOAA Regional Climate Centers



Precipitation Differences Compared to Average (1981-2010)

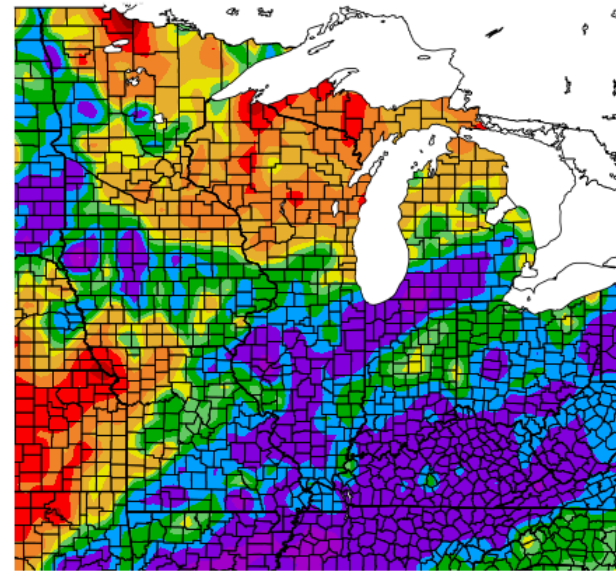
30-Day

Percent of Normal Precipitation (%)
2/24/2018 – 3/25/2018



60-Day

Percent of Normal Precipitation (%)
1/25/2018 – 3/25/2018



Generated 3/26/2018 at HPRCC using provisional data.

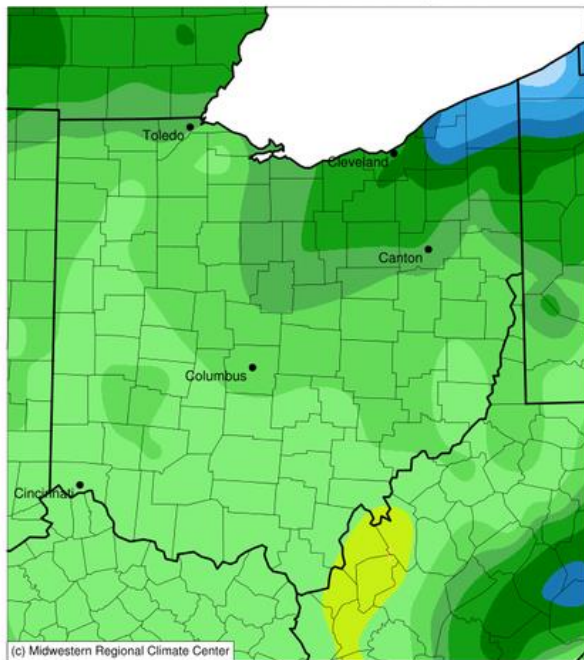
NOAA Regional Climate Centers Generated 3/26/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers



Winter Snowfall

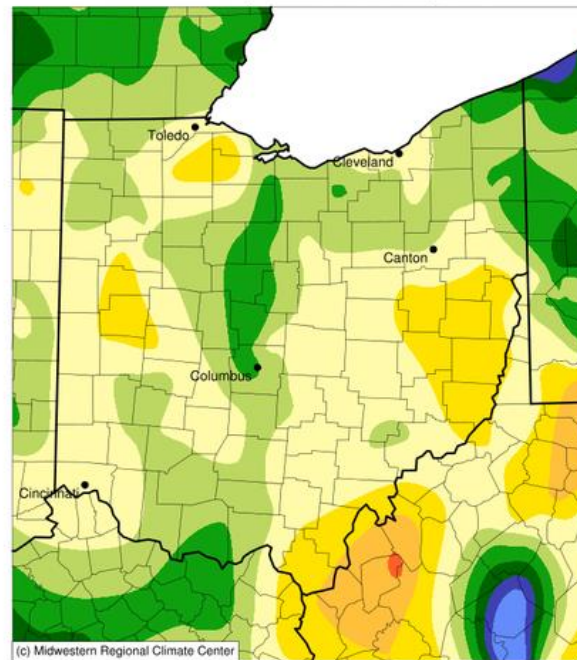
Accumulated Snowfall (in)
December 01, 2017 to March 26, 2018



(c) Midwestern Regional Climate Center

0.01 1 5 10 20 30 40 60 80 100 125 150 175
 Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI,
 Midwestern Regional Climate Center
 cli-MATE: MRCC Application Tools Environment
 Generated at: 3/26/2018 12:52:05 AM CDT

Accumulated Snowfall (in): Percent of 1981-2010 Normals
December 01, 2017 to March 26, 2018



(c) Midwestern Regional Climate Center

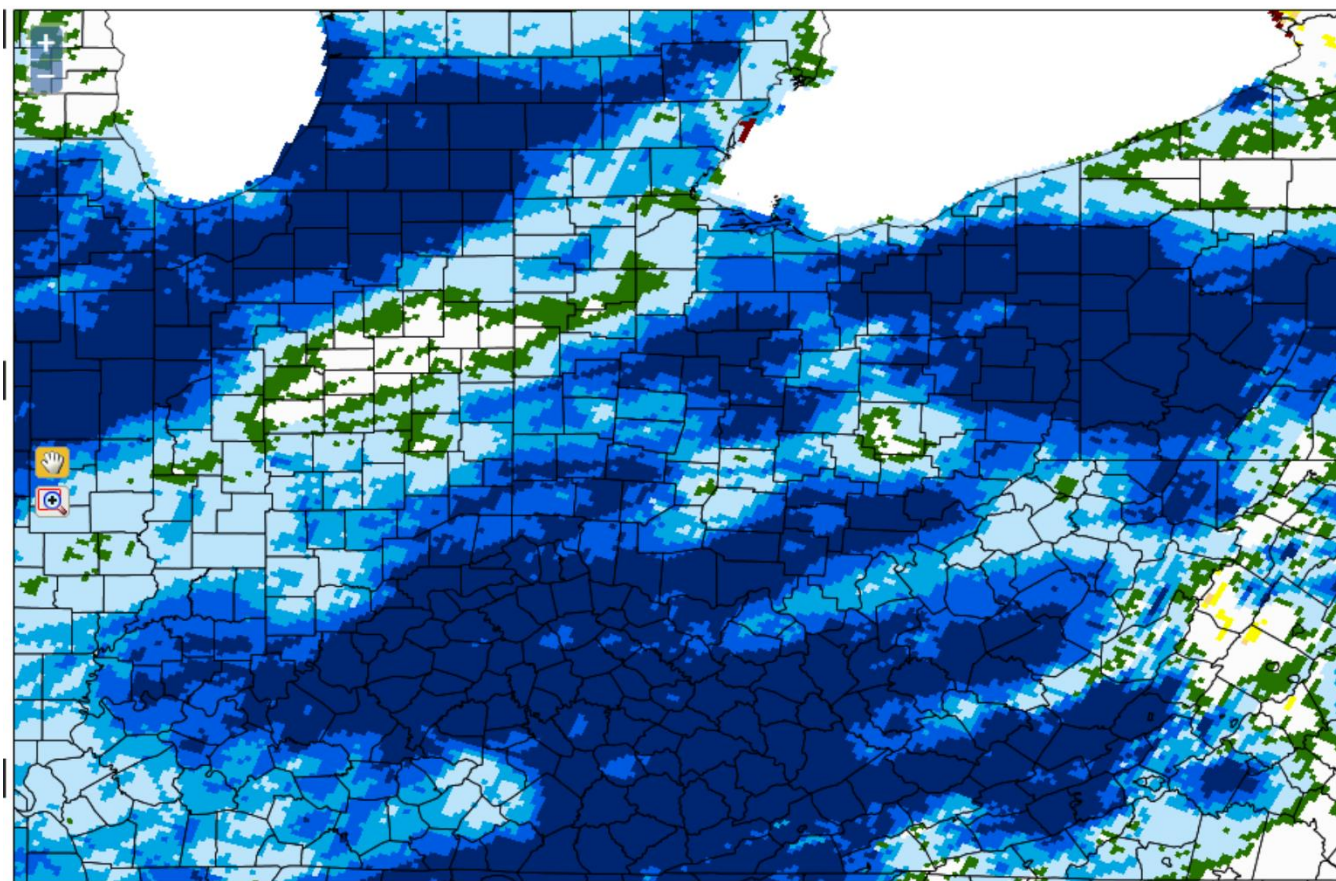
2 5 10 25 50 75 100 125 150 175 200 300 400 500 750
 Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI,
 Midwestern Regional Climate Center
 cli-MATE: MRCC Application Tools Environment
 Generated at: 3/26/2018 12:54:00 AM CDT



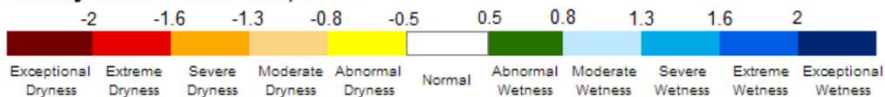
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Standard Precipitation Index (SPI)

60-Day



60 day SPI for March 25, 2018



Transparency:

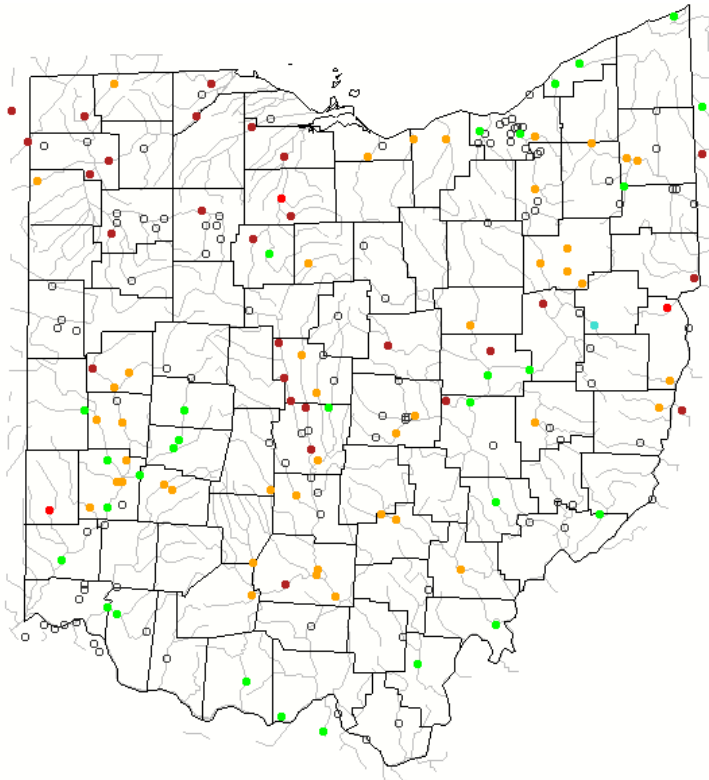
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7-DAY



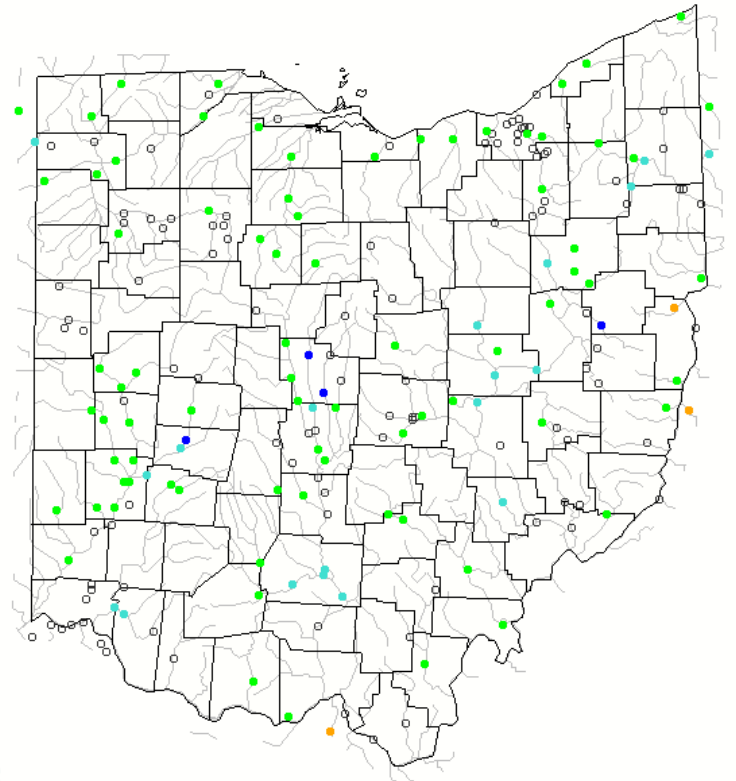
Explanation - Percentile classes

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

Average streamflow compared to historical streamflow for the day of the year

USGS Streamflow

28-DAY



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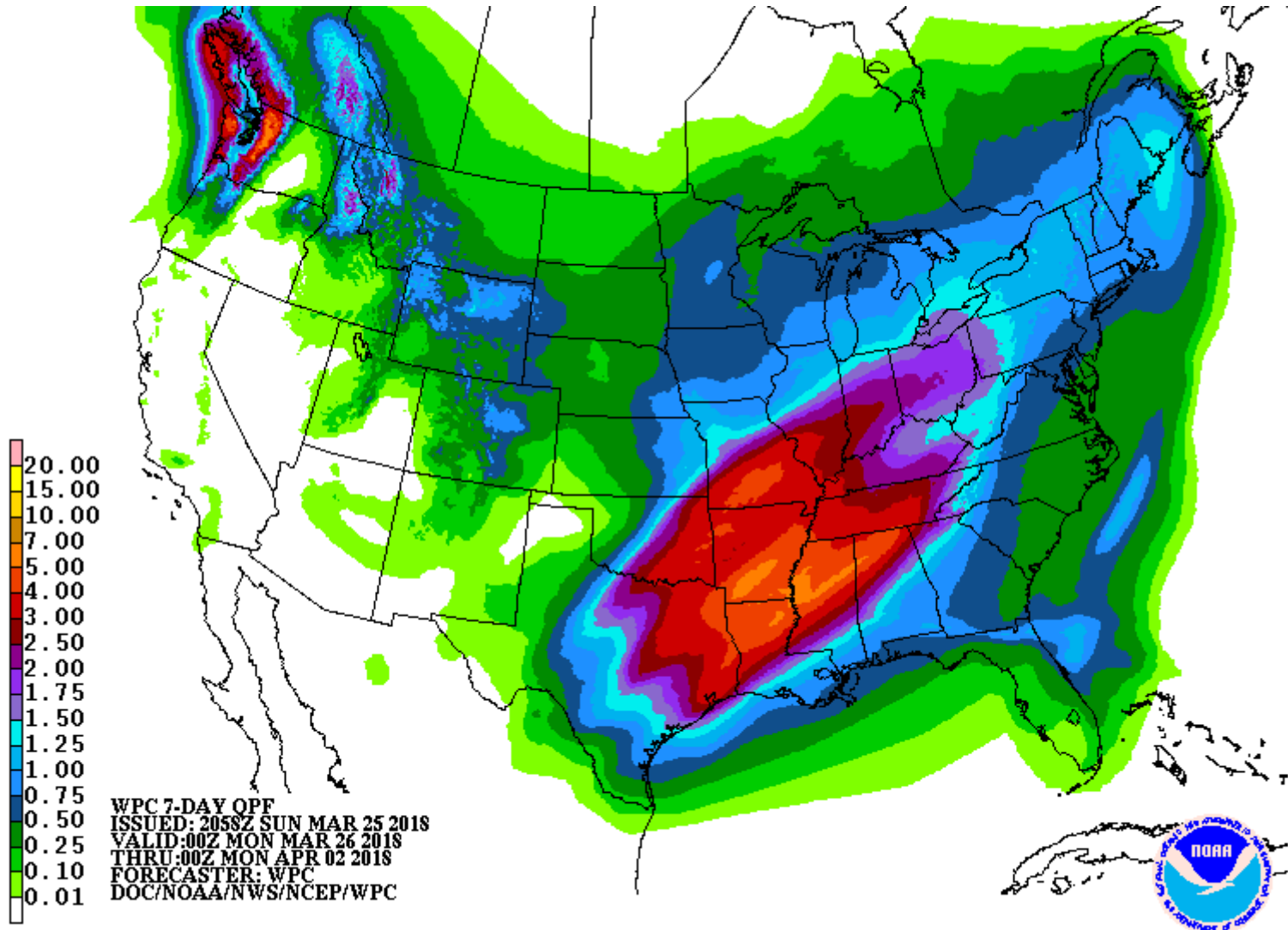
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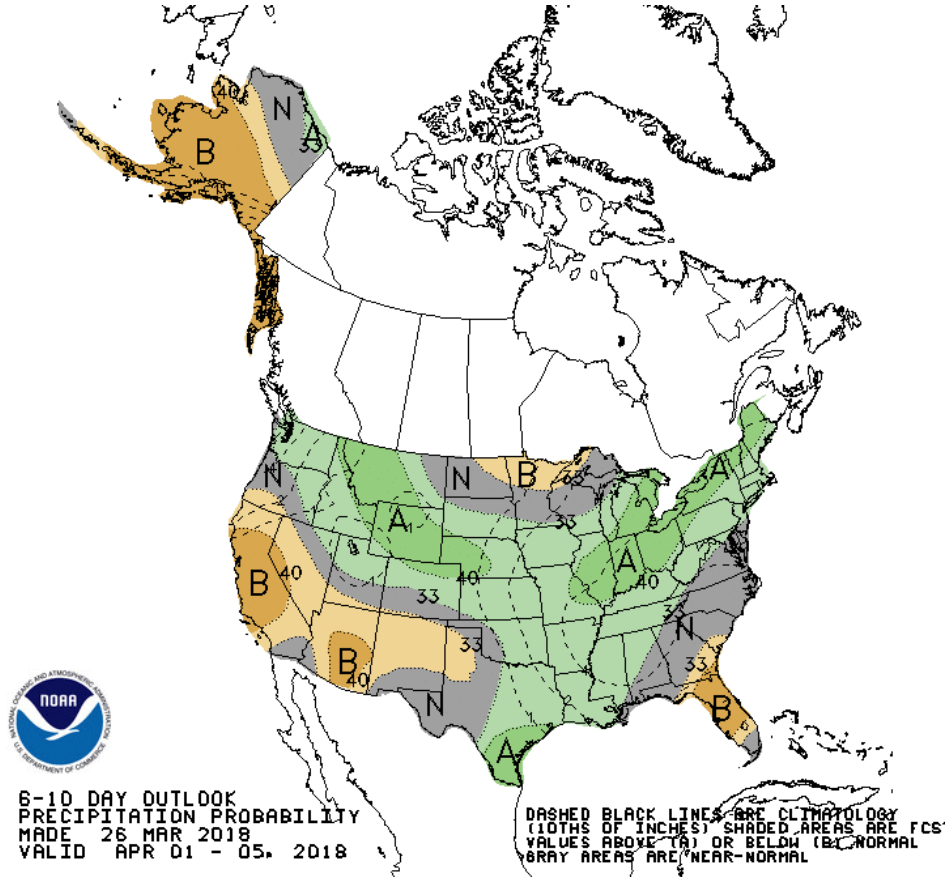
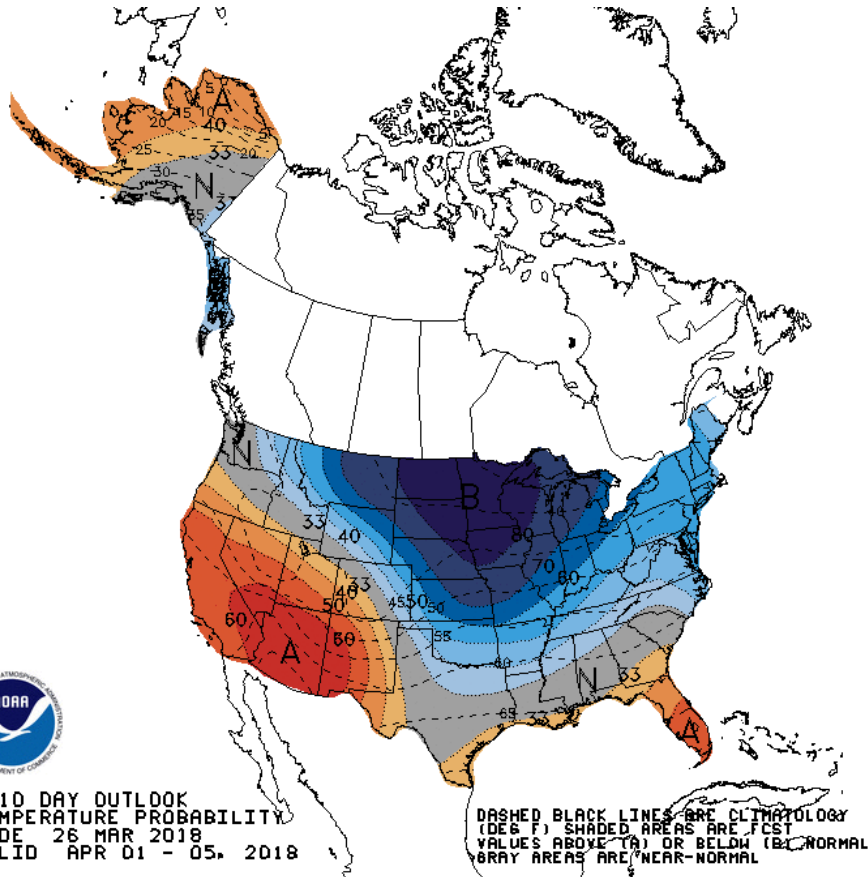
Weather for the Week Ahead



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6-10 Day Outlook



Highs: Low to mid 50s

Lows: Mid to upper 30s

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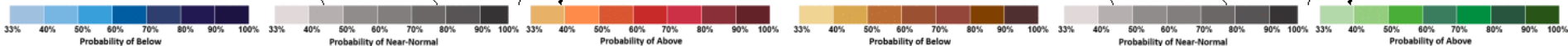
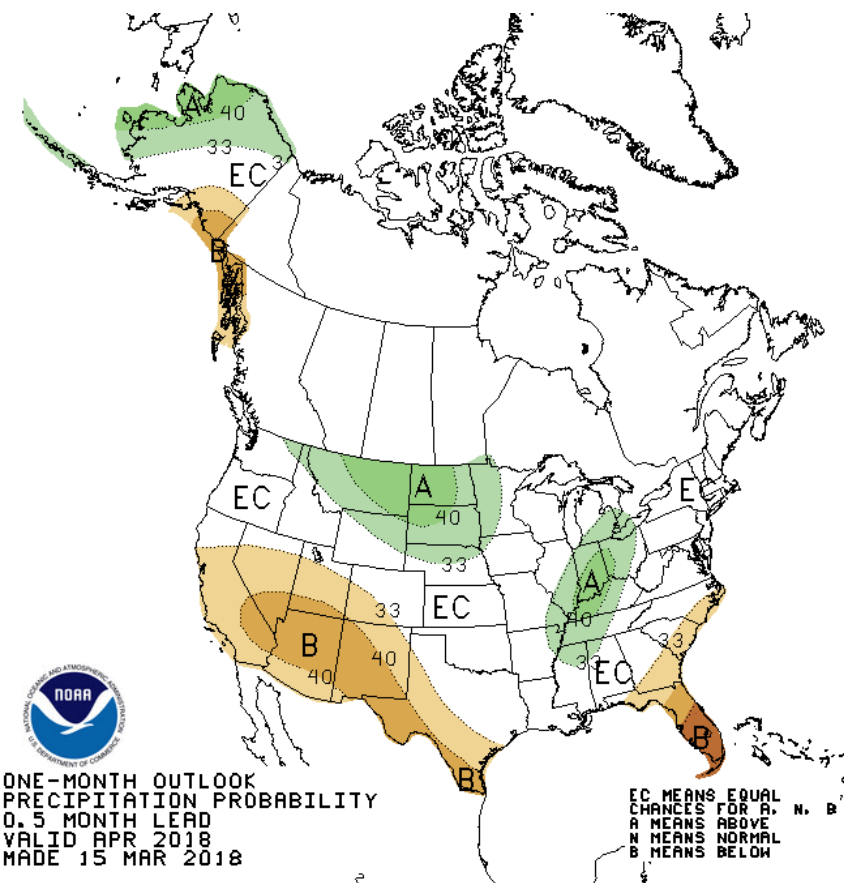
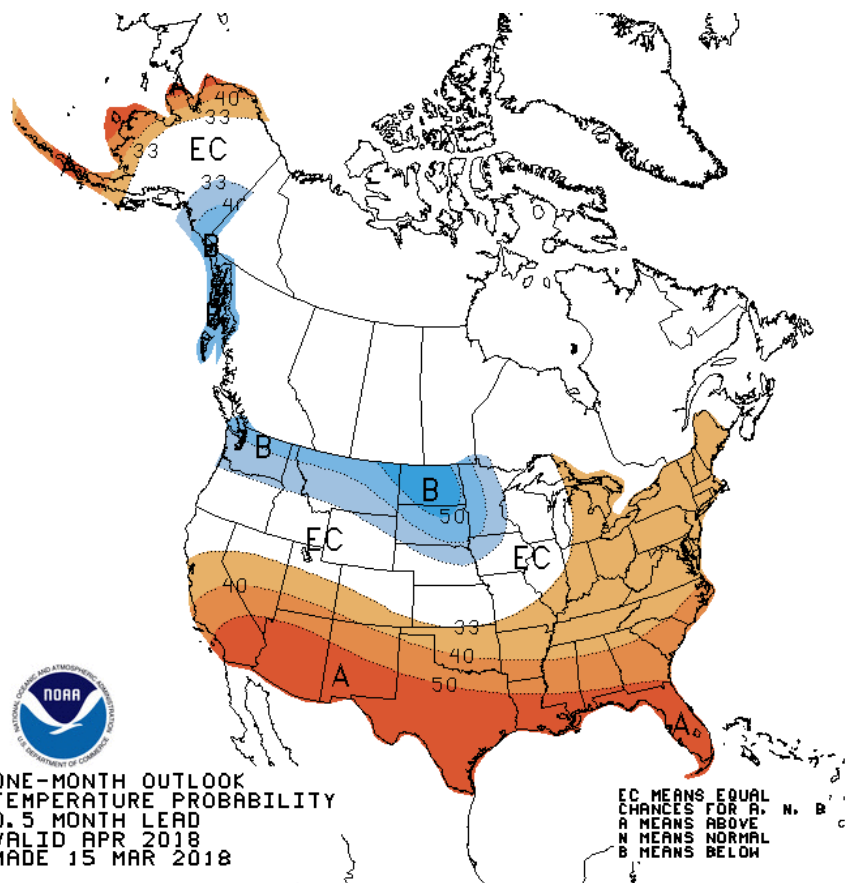
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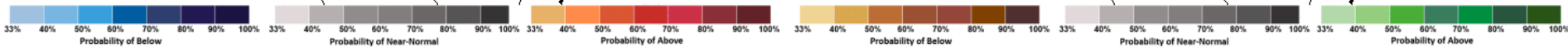
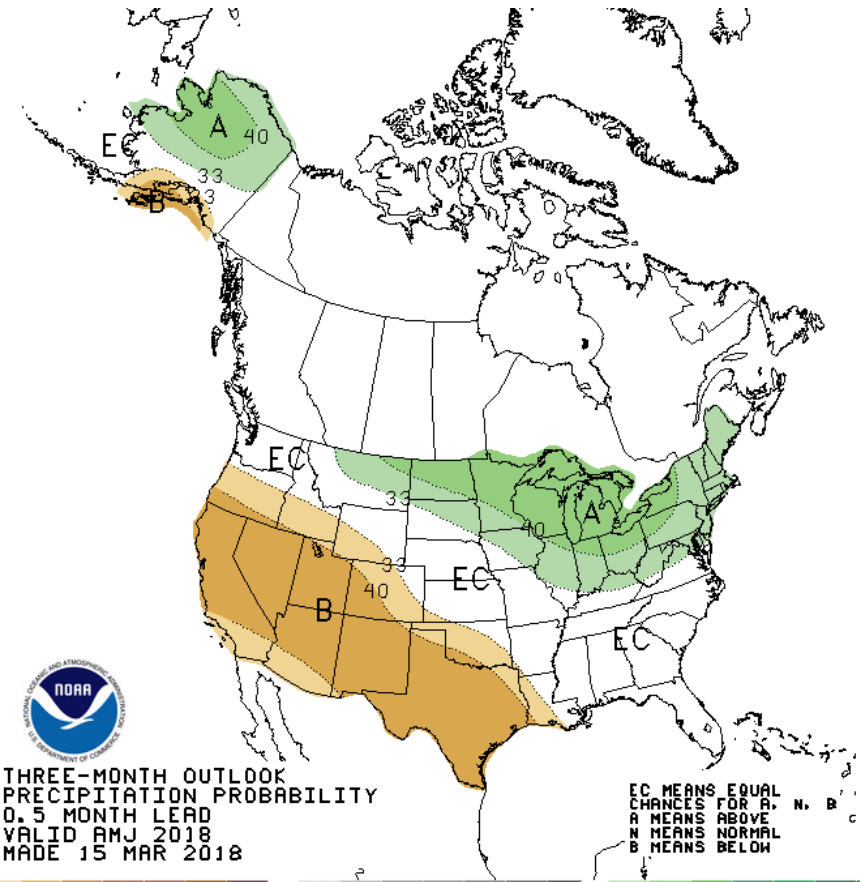
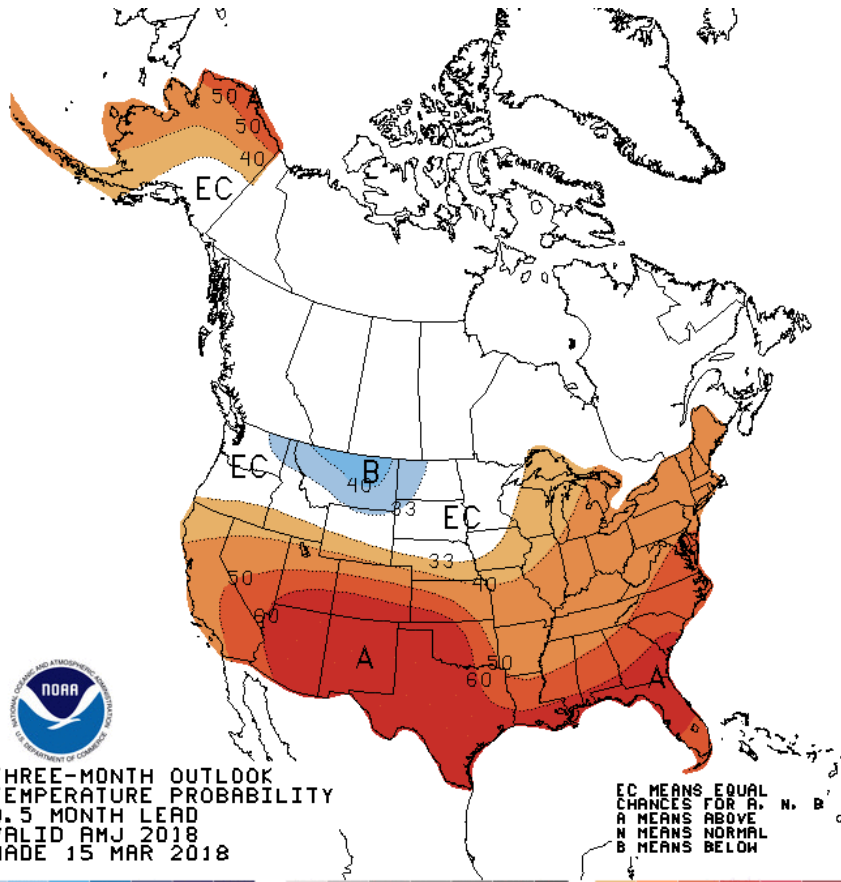
April Outlook



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April-June Outlook



Summary of Conditions



Drought Monitor: No Drought in Ohio

David Ohmer @ Flickr

30-Day and 60-Day: Substantially to Significantly Wet

The week ahead: Warmer and wet. Elevated Rivers and Streams. Flooding possible.



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