

Ohio Climate Assessment

January 27, 2021

Photo Courtesy of Mary Griffith



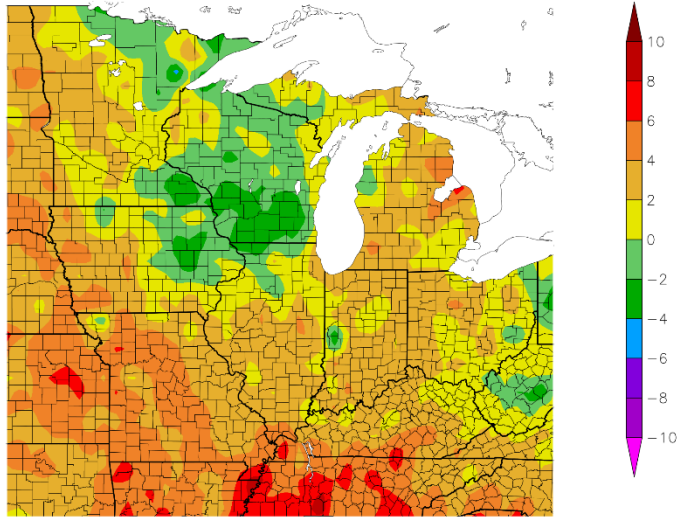
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Aaron B. Wilson

STATE CLIMATE OFFICE OF OHIO (SCOO)
DEPARTMENT OF EXTENSION - CFAES
BYRD POLAR & CLIMATE RESEARCH CENTER
DEPARTMENT OF GEOGRAPHY

Temperature Differences Compared to Average (1981-2010)

Departure from Normal Temperature (F)
1/20/2021 – 1/26/2021



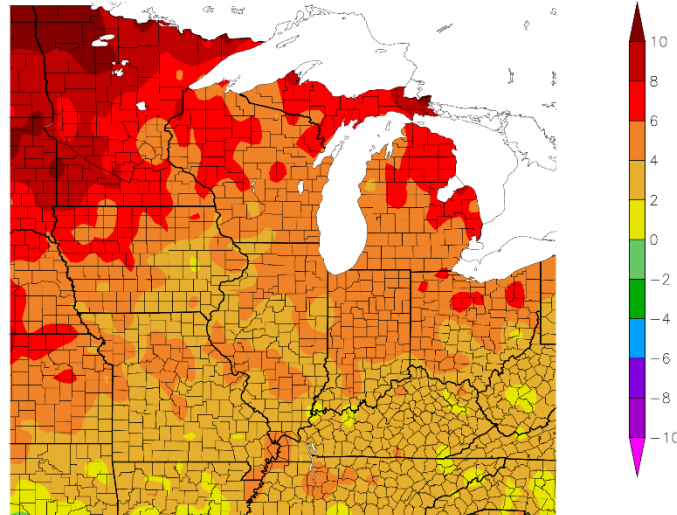
Generated 1/27/2021 at HPRCC using provisional data.

NOAA Regional Climate Centers

7-Day



30-Day
Departure from Normal Temperature (F)
12/28/2020 – 1/26/2021

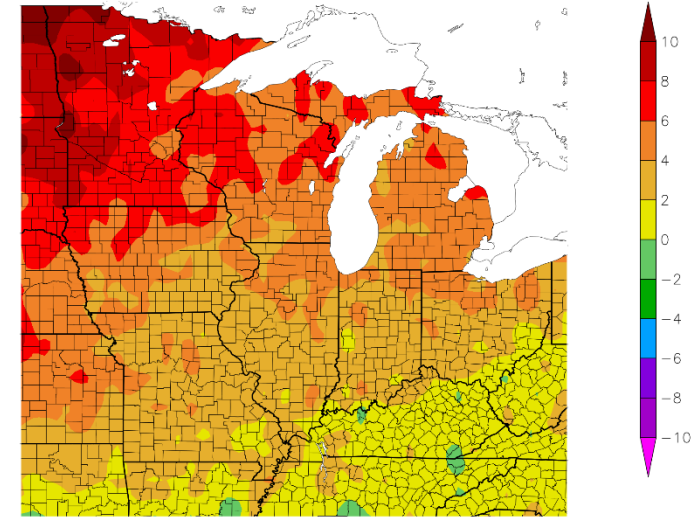


Generated 1/27/2021 at HPRCC using provisional data.

NOAA Regional Climate Centers

<https://www.drought.gov/drought/dews/midwest/current-conditions>

Departure from Normal Temperature (F)
11/28/2020 – 1/26/2021

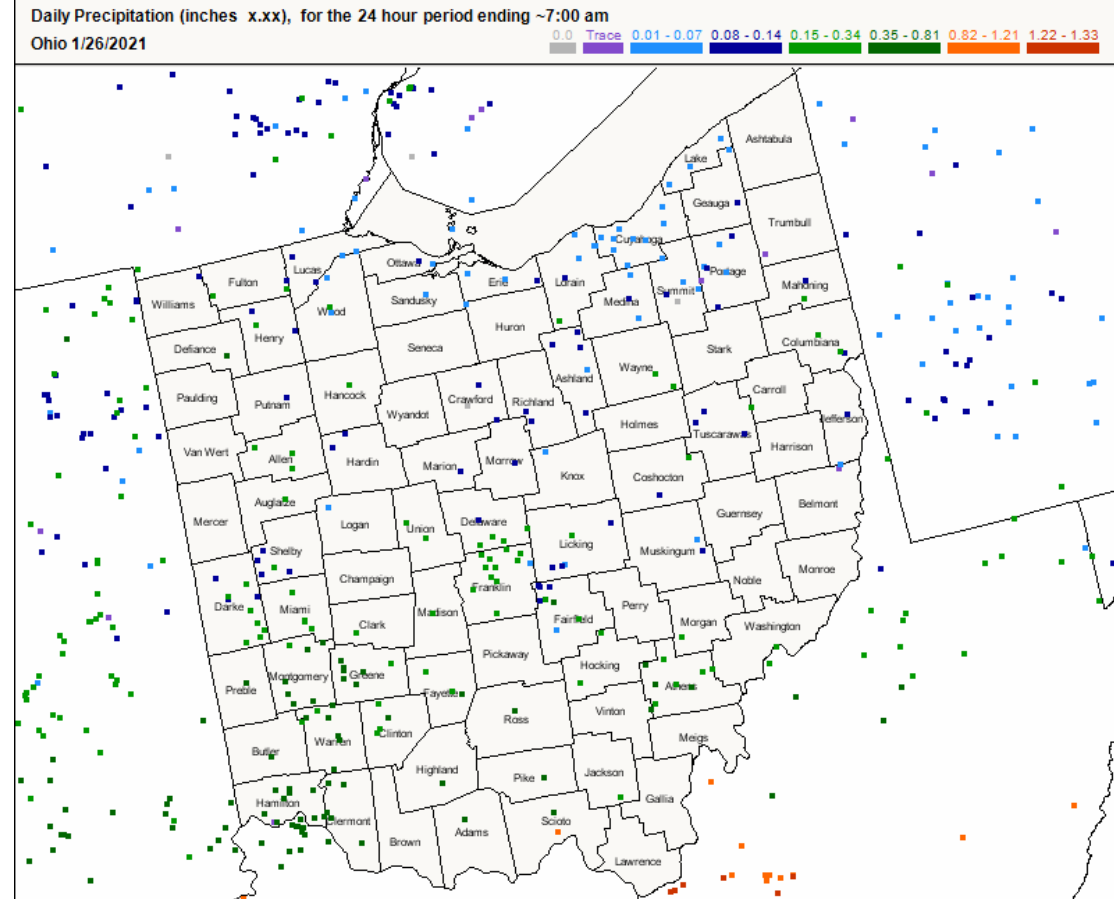
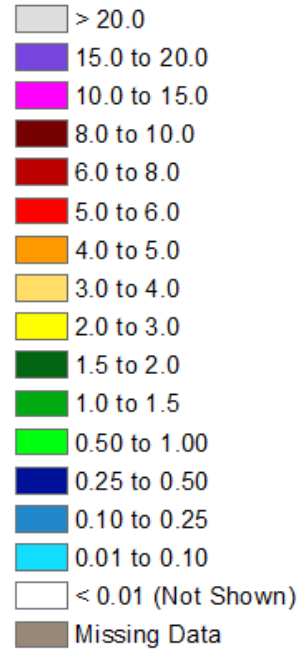
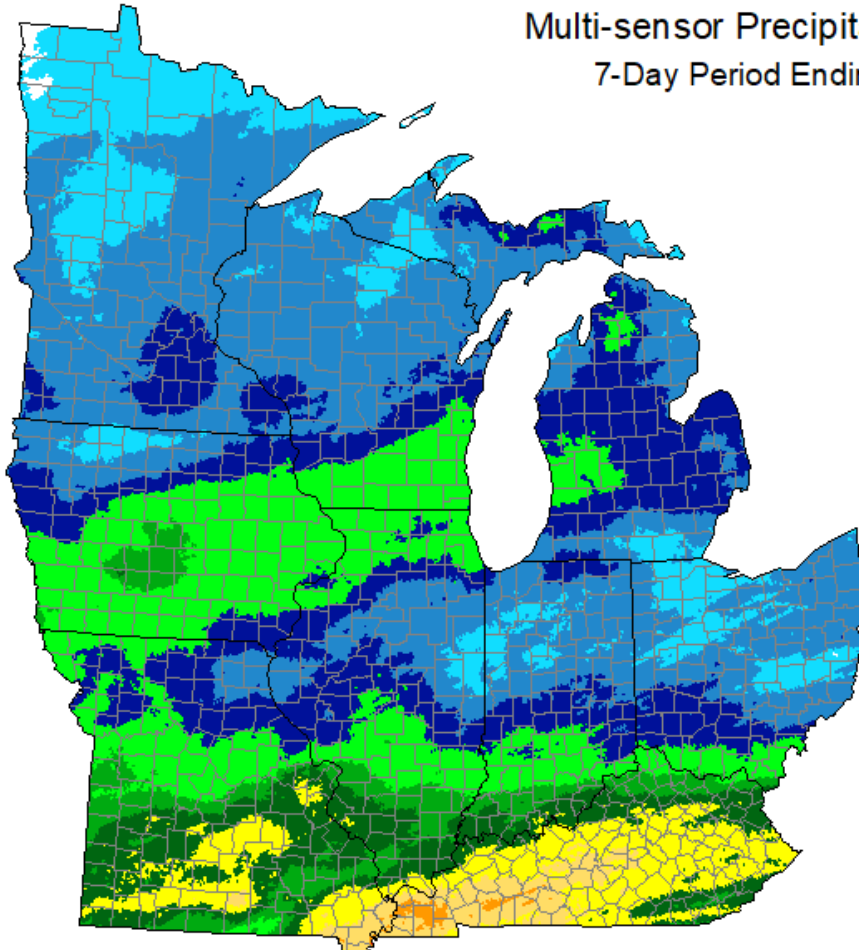
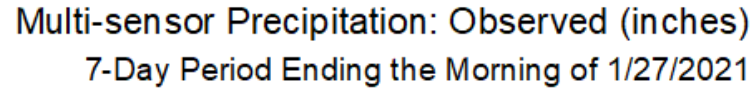


Generated 1/27/2021 at HPRCC using provisional data.

NOAA Regional Climate Centers

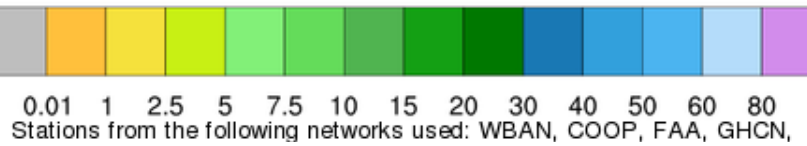
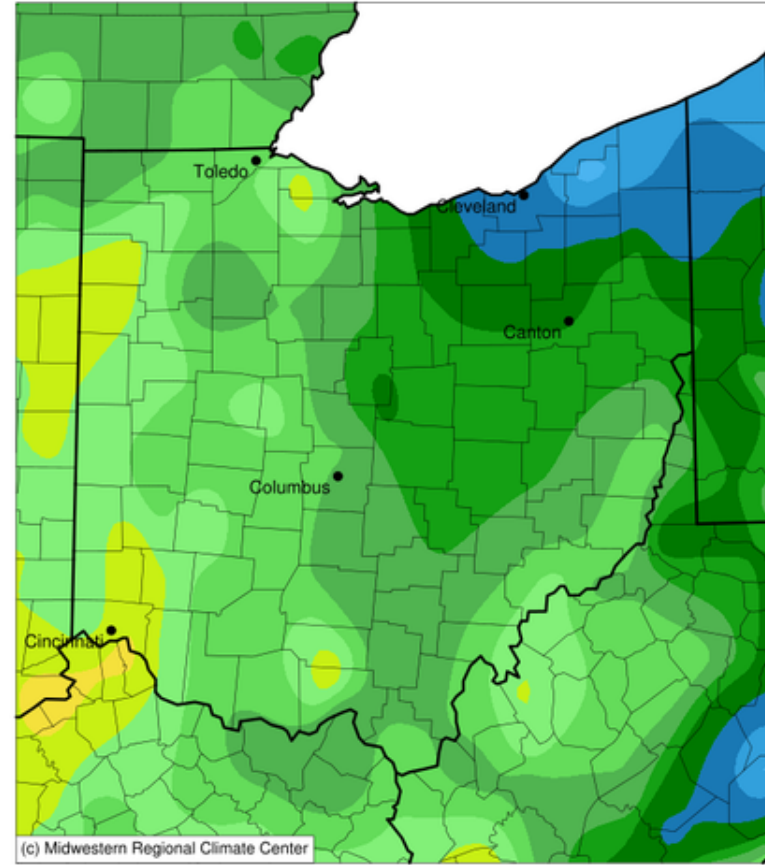
60-Day

This Week's Precipitation

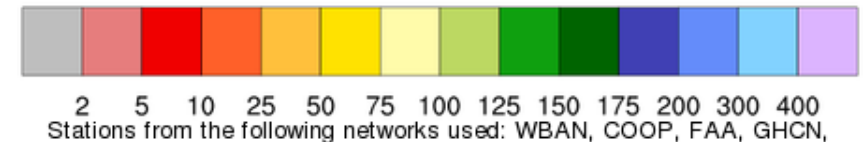
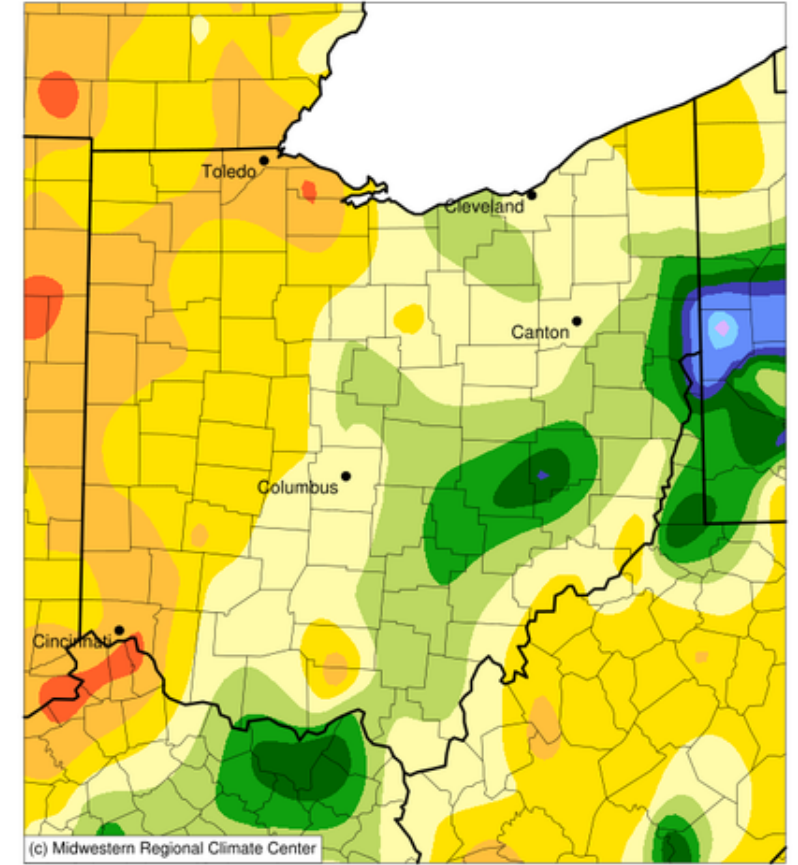


Seasonal Snowfall

Accumulated Snowfall (in)
October 01, 2020 to January 27, 2021

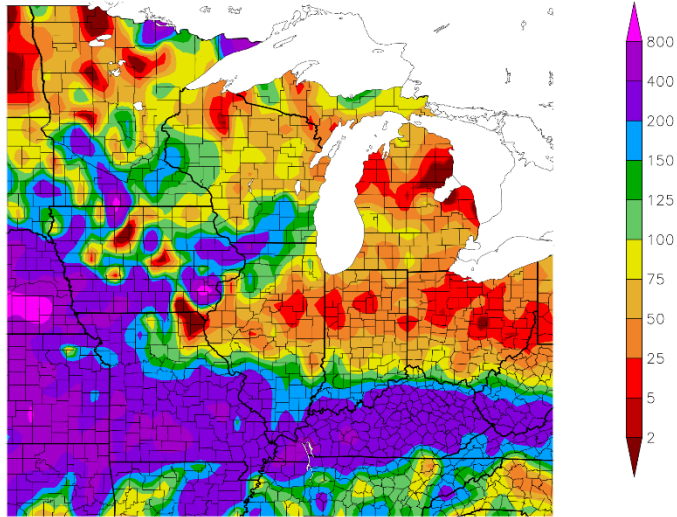


Accumulated Snowfall (in): Percent of 1981-2010 Normals
October 01, 2020 to January 27, 2021



Precipitation Differences Compared to Average (1981-2010)

Percent of Normal Precipitation (%)
1/20/2021 – 1/26/2021

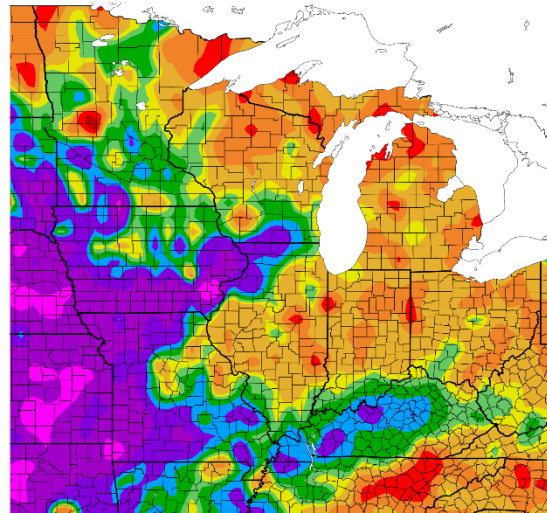


Generated 1/27/2021 at HPRCC using provisional data.

NOAA Regional Climate Centers

7-Day

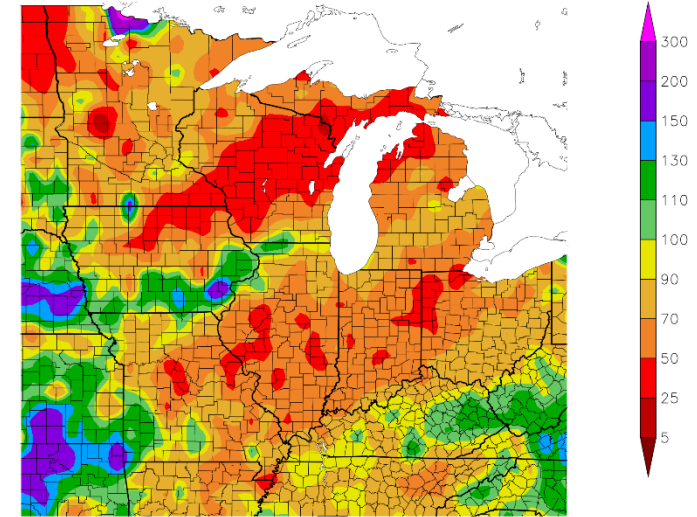
30-Day
Percent of Normal Precipitation (%)
12/28/2020 – 1/26/2021



Generated 1/27/2021 at HPRCC using provisional data.

NOAA Regional Climate Centers

Percent of Normal Precipitation (%)
11/28/2020 – 1/26/2021

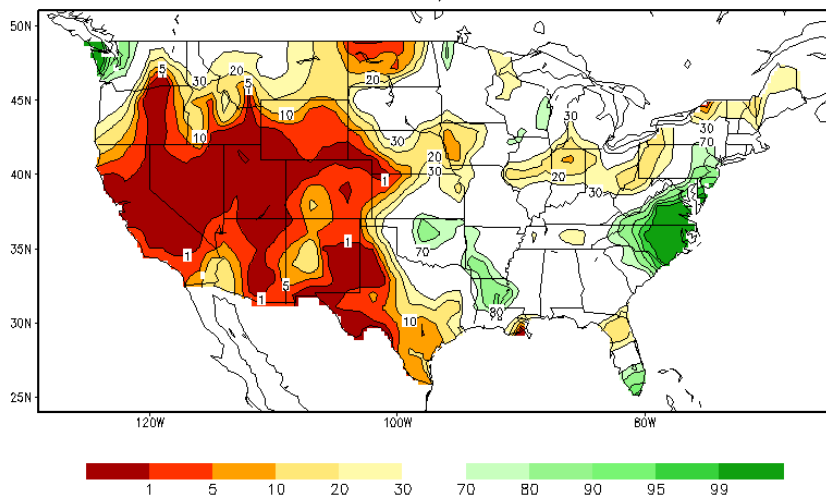


Generated 1/27/2021 at HPRCC using provisional data.

NOAA Regional Climate Centers

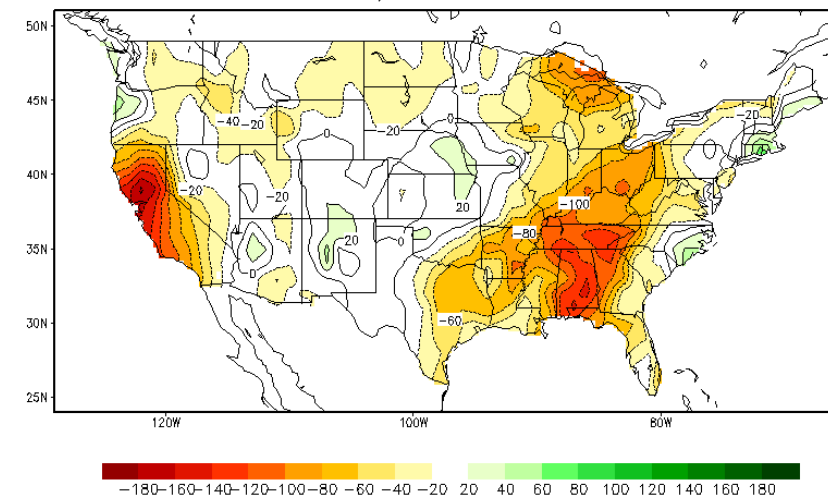
60-Day

Calculated Soil Moisture Ranking Percentile
JAN 26, 2021

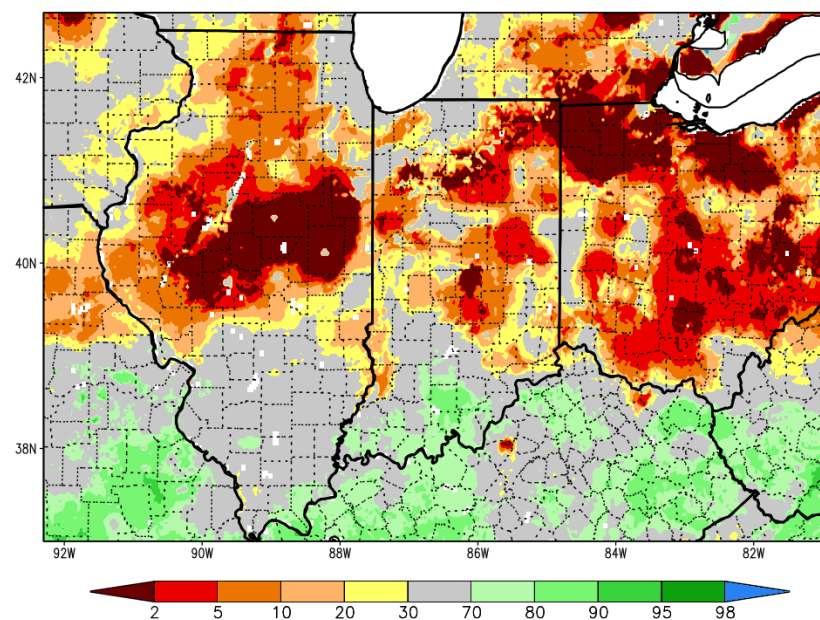


Soil Moisture

Calculated Soil Moisture Anomaly Change
JAN 26, 2021 from OCT.31



SPoRT-LIS 0-40 cm Soil Moisture percentile valid 27 Jan 2021



https://weather.msfc.nasa.gov/sport/case_studies/lis_IN.html

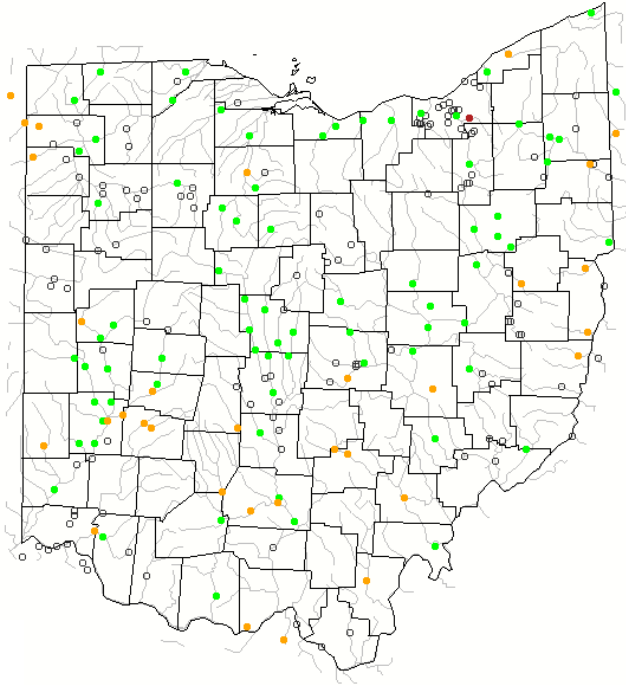


https://www.cpc.ncep.noaa.gov/products/Soilmst_Monitoring/US/Soilmst/Soilmst.shtml#

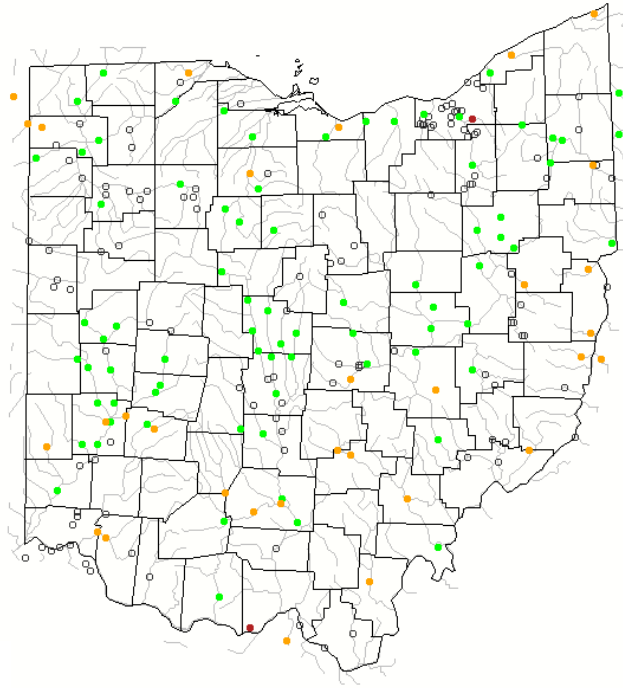


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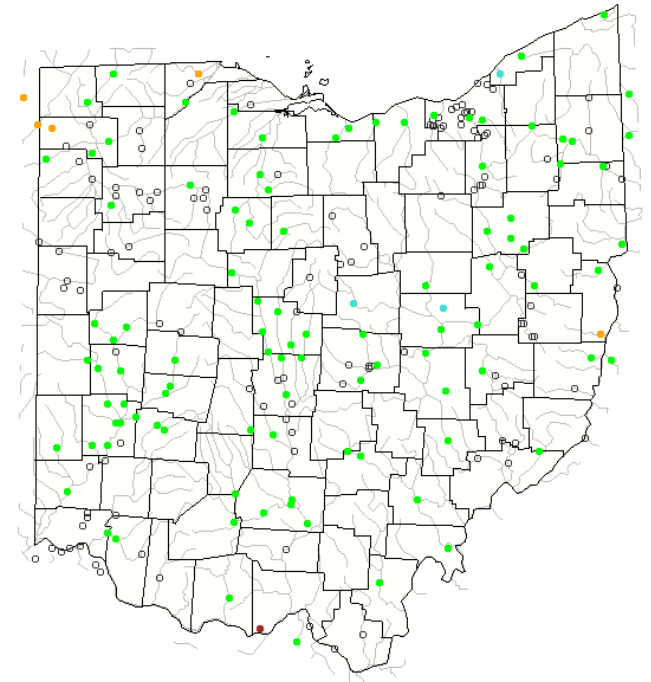
7-DAY



14-DAY



28-DAY



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		

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



<https://waterwatch.usgs.gov/index.php>

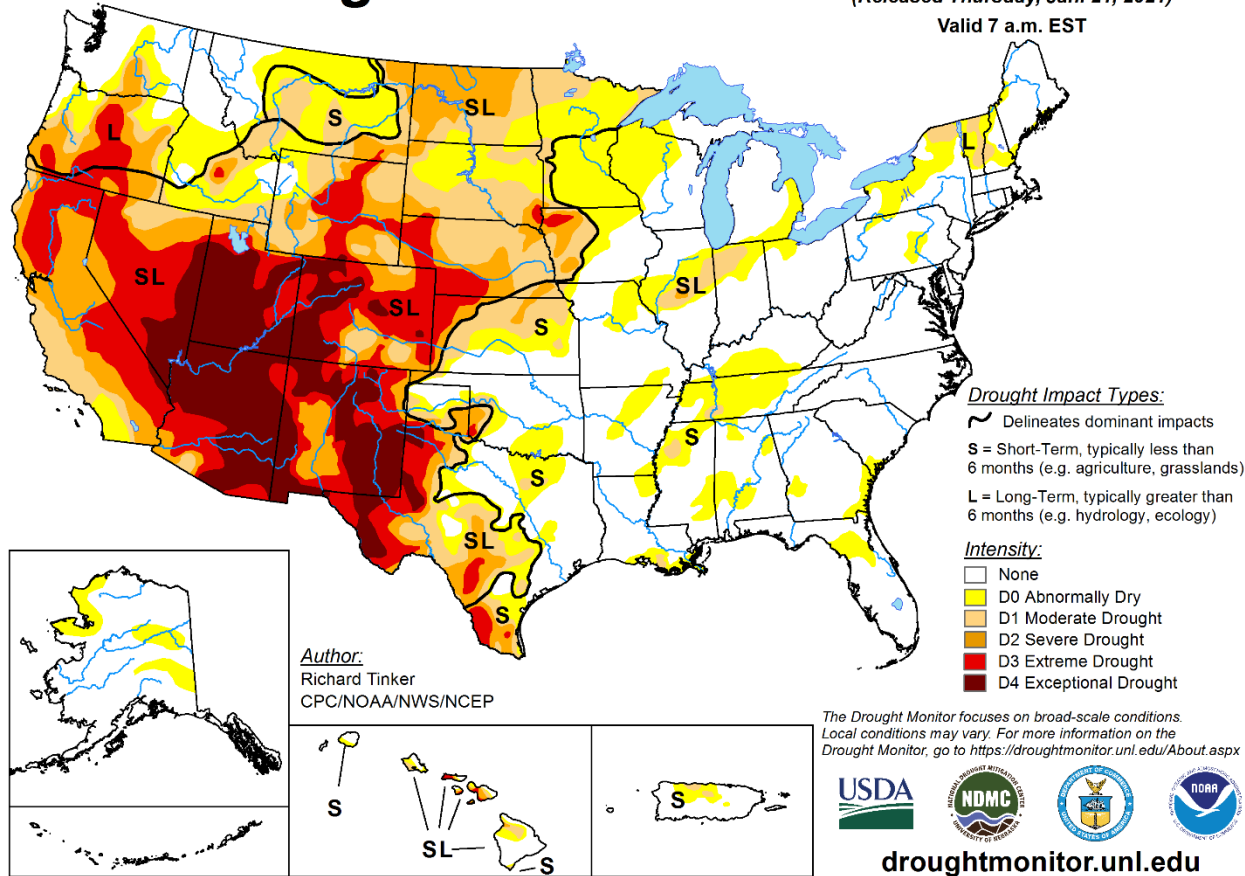


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Current U.S. Drought Monitor

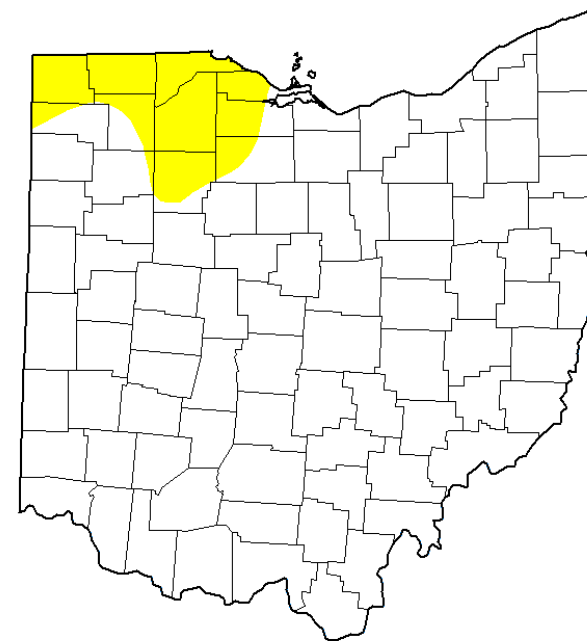
U.S. Drought Monitor

January 19, 2021
(Released Thursday, Jan. 21, 2021)
Valid 7 a.m. EST



U.S. Drought Monitor Ohio

January 19, 2021
(Released Thursday, Jan. 21, 2021)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	92.11	7.89	0.00	0.00	0.00	0.00
Last Week 01-12-2021	92.11	7.89	0.00	0.00	0.00	0.00
3 Months Ago 10-20-2020	72.37	27.63	4.48	0.00	0.00	0.00
Start of Calendar Year 12-29-2020	92.10	7.90	0.00	0.00	0.00	0.00
Start of Water Year 09-28-2020	63.65	36.35	4.33	0.00	0.00	0.00
One Year Ago 01-21-2020	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate 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:

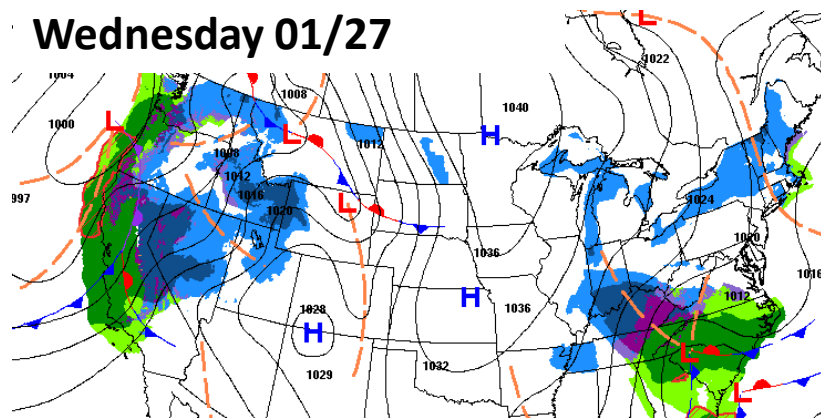
Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

Weather for the Week Ahead

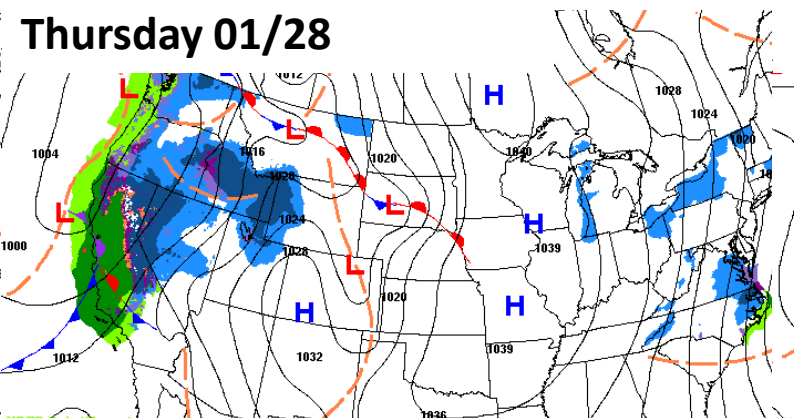
Wednesday 01/27



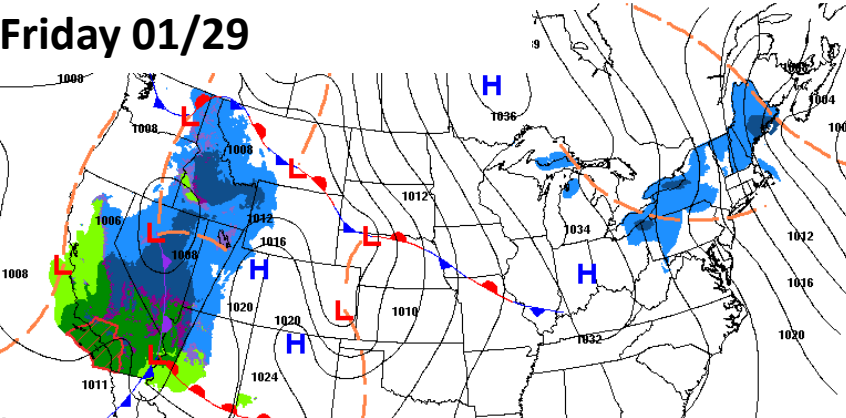
NDFD Rain (Chance)
NDFD Rain (Likely)
NDFD Snow (Chance)
NDFD Snow (Likely)
NDFD Mix (Likely)
NDFD Ice (Chance)
NDFD Ice (Likely)
NDFD T-Storm (Chance) (Hatched)
NDFD T-Storm (Likely and/or Severe)

WPC Fronts/NDFD
Issued: 1842Z Wed
Valid 00Z Thursda
Forecaster: SNELL

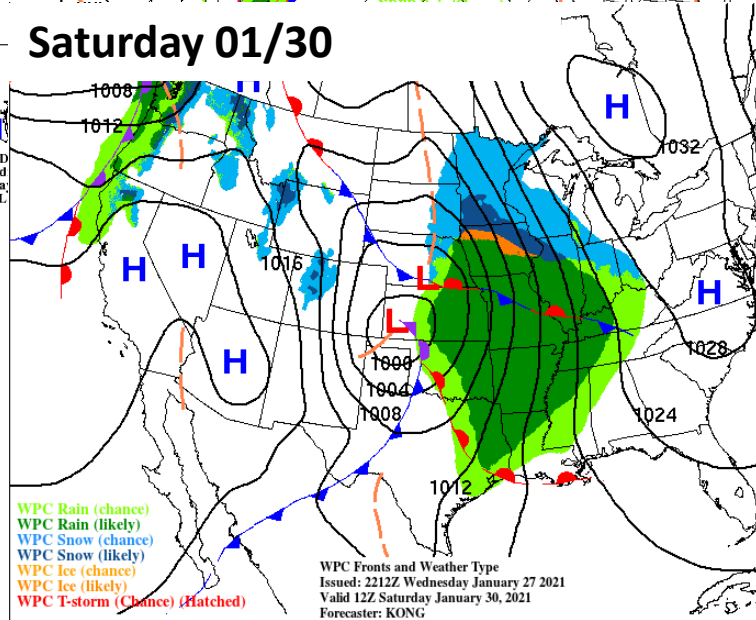
Thursday 01/28



Friday 01/29



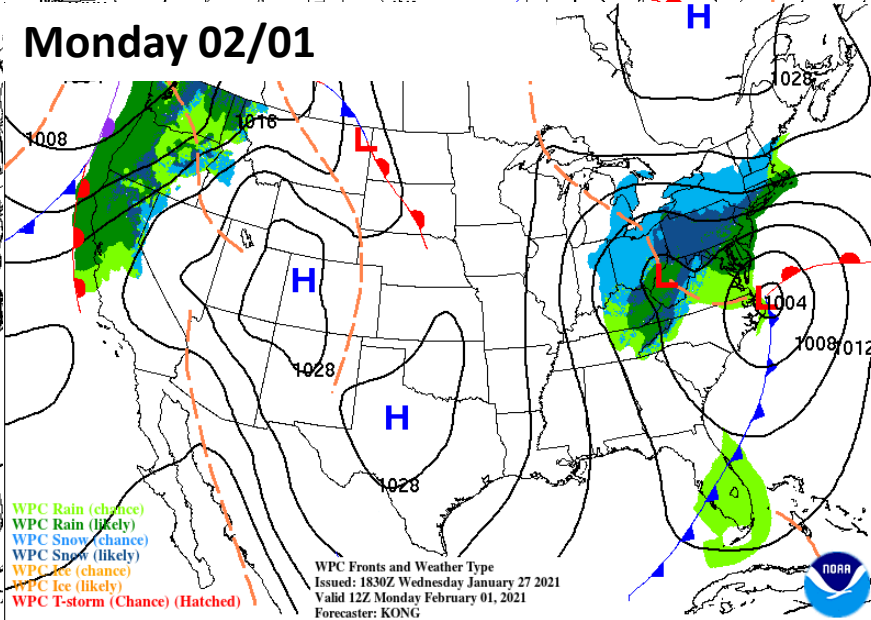
Saturday 01/30



WPC Rain (chance)
WPC Rain (likely)
WPC Snow (chance)
WPC Snow (likely)
WPC Ice (chance)
WPC Ice (likely)
WPC T-storm (Chance) (Hatched)

WPC Fronts and Weather Type
Issued: 2212Z Wednesday January 27 2021
Valid 12Z Saturday January 30, 2021
Forecaster: KONG

Monday 02/01



WPC Rain (chance)
WPC Rain (likely)
WPC Snow (chance)
WPC Snow (likely)
WPC Ice (chance)
WPC Ice (likely)
WPC T-storm (Chance) (Hatched)

WPC Fronts and Weather Type
Issued: 1830Z Wednesday January 27 2021
Valid 12Z Monday February 01, 2021
Forecaster: KONG

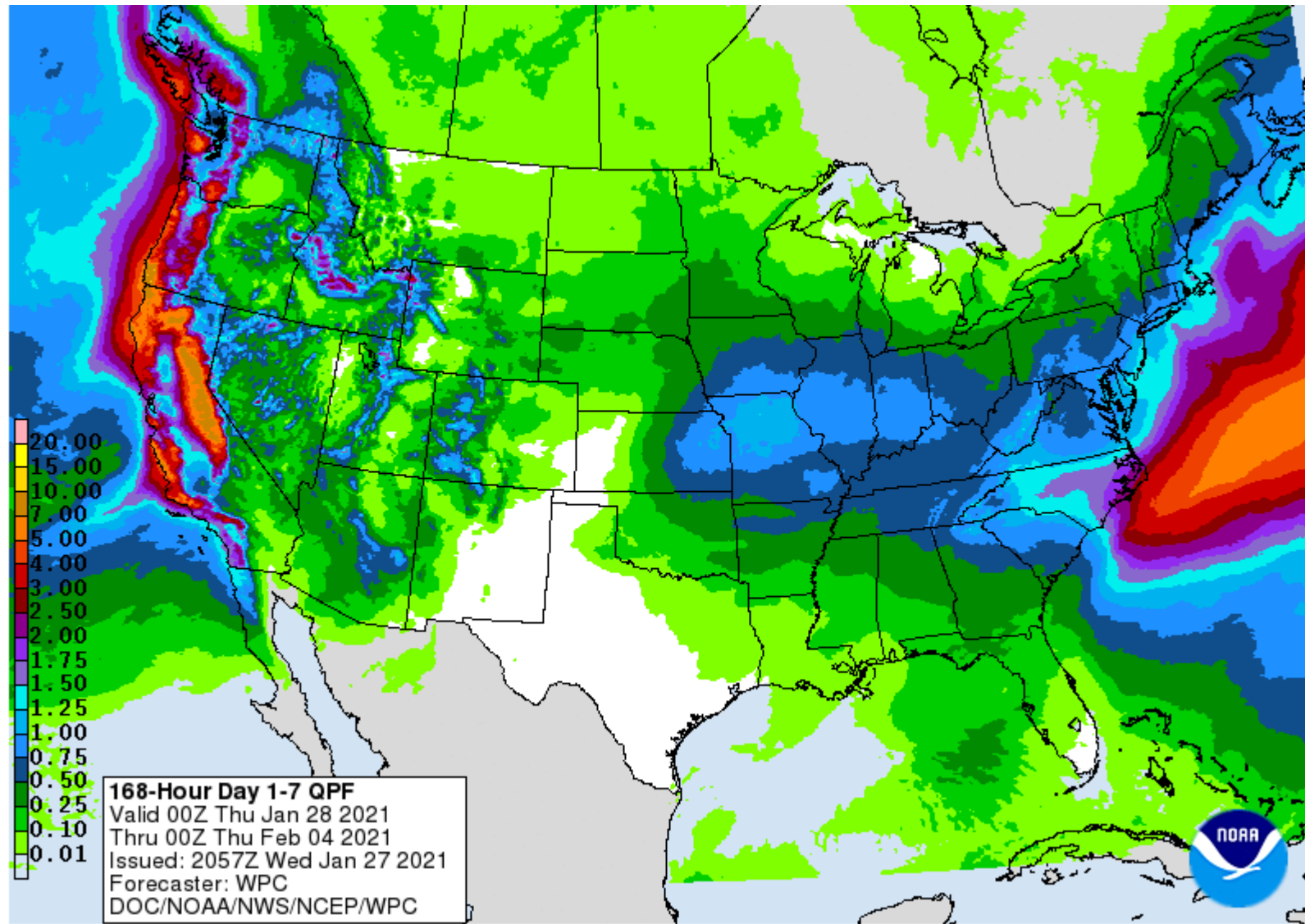
WPC Fronts and Weather Type
Issued: 1830Z Wednesday January 27 2021
Valid 12Z Monday February 01, 2021
Forecaster: KONG



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<https://www.wpc.ncep.noaa.gov/#>

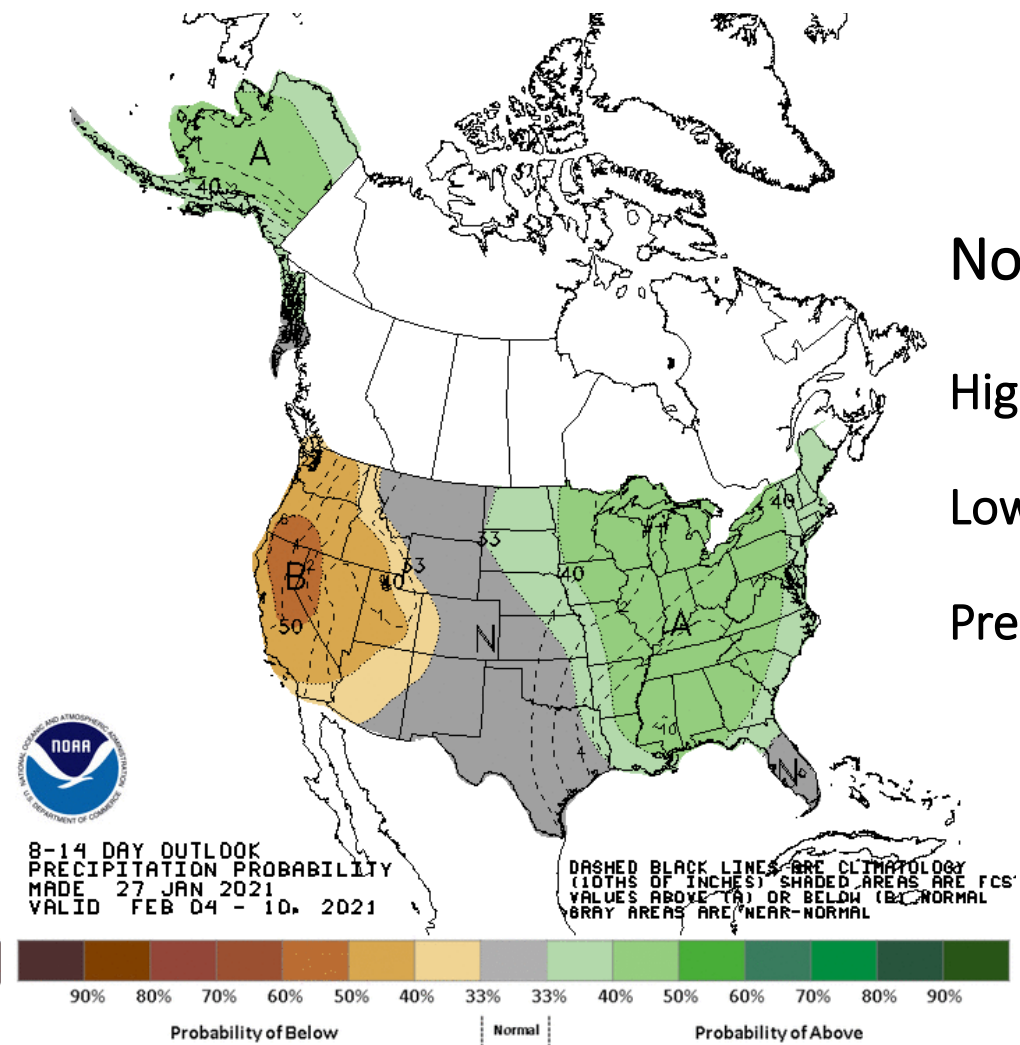
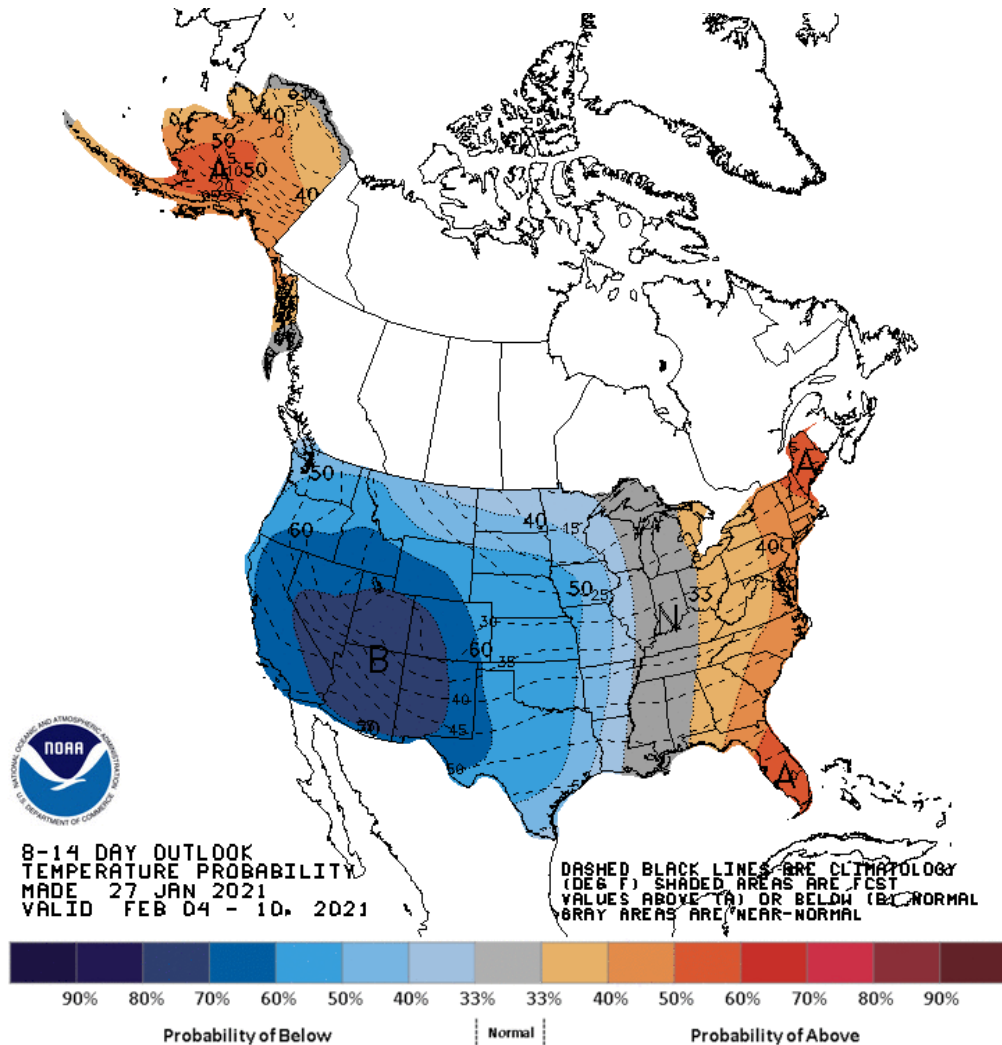
7-Day Precipitation



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<https://www.wpc.ncep.noaa.gov/#>

8-14 Day Outlook



Normals (1981-2010)

Highs: 34-40°F

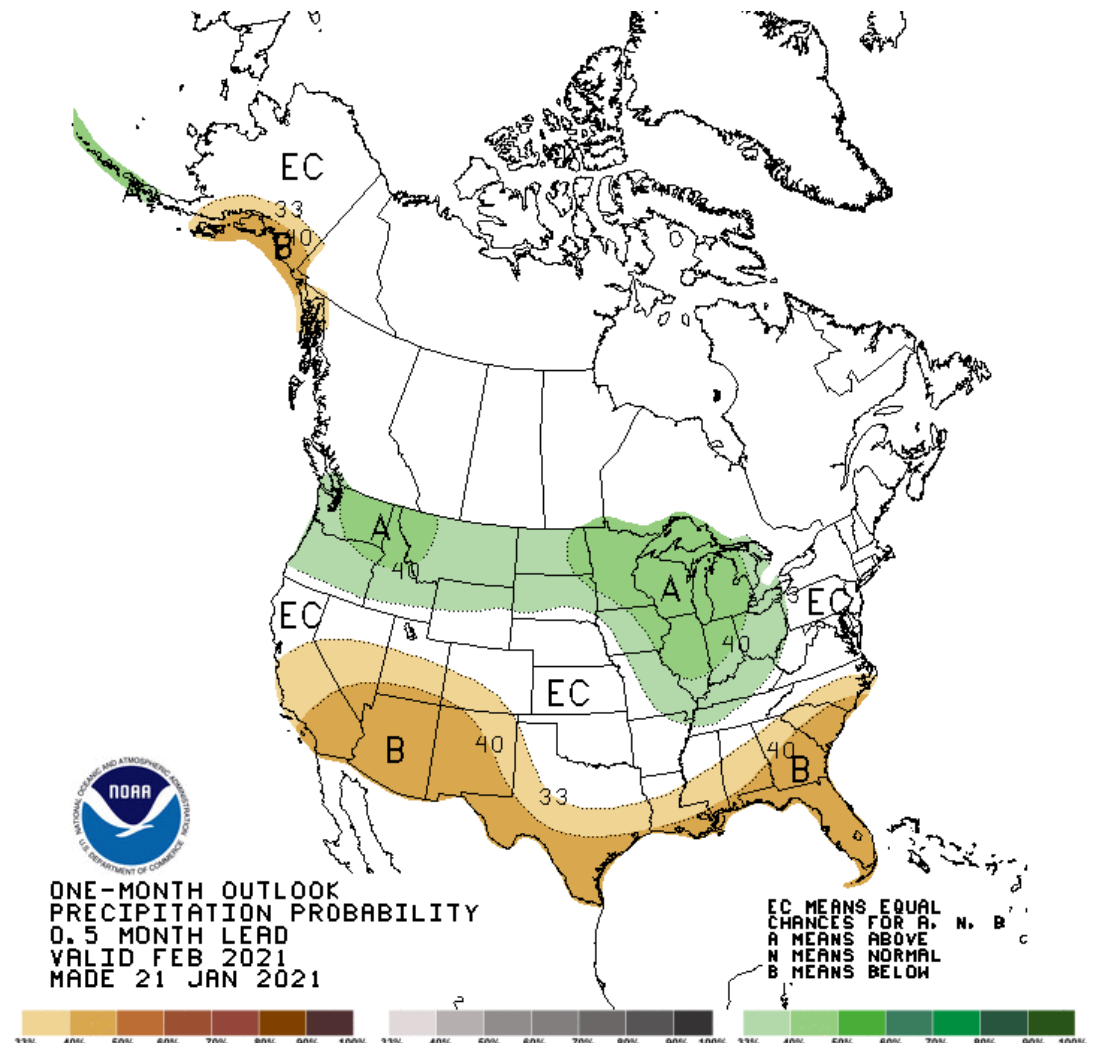
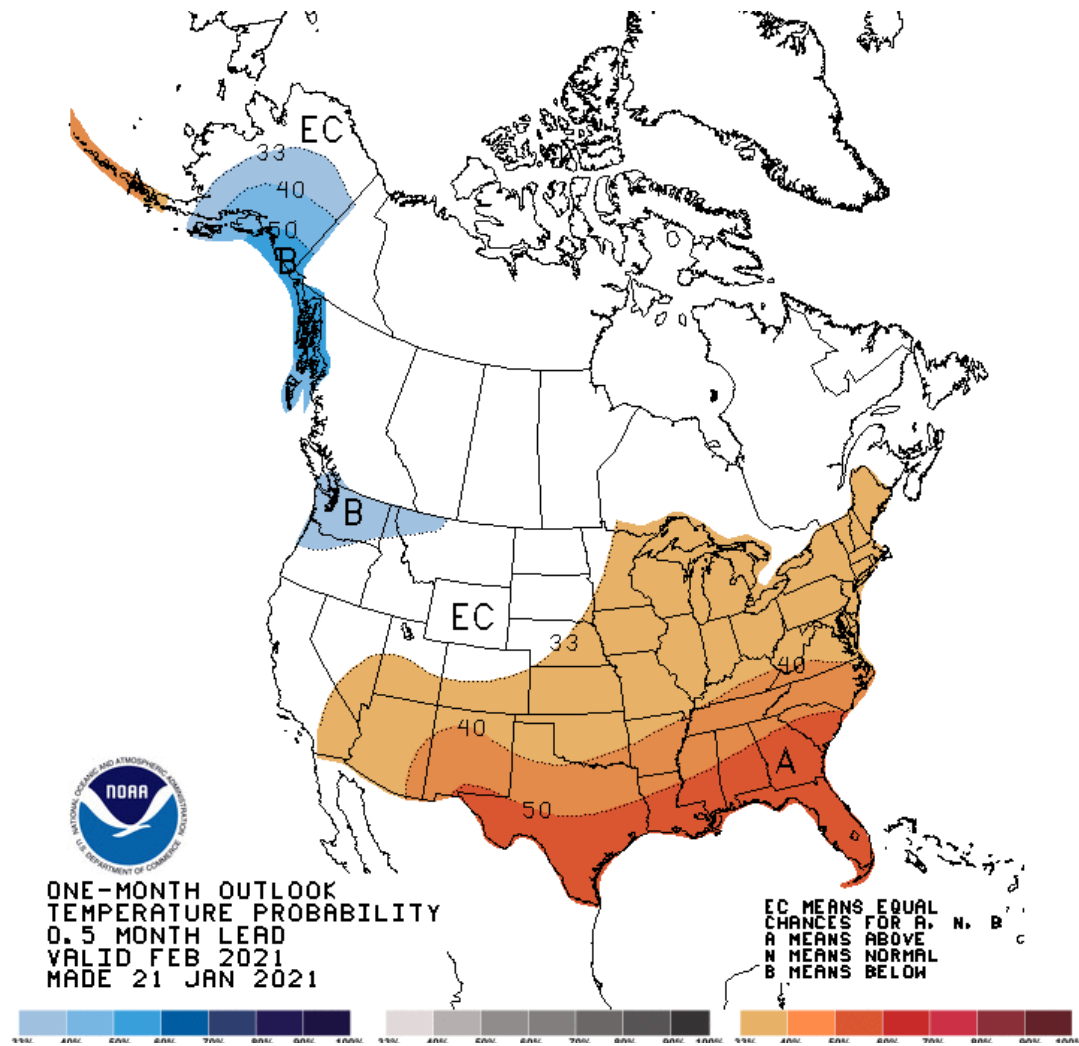
Lows: 19-24°F

Precip: 0.70"



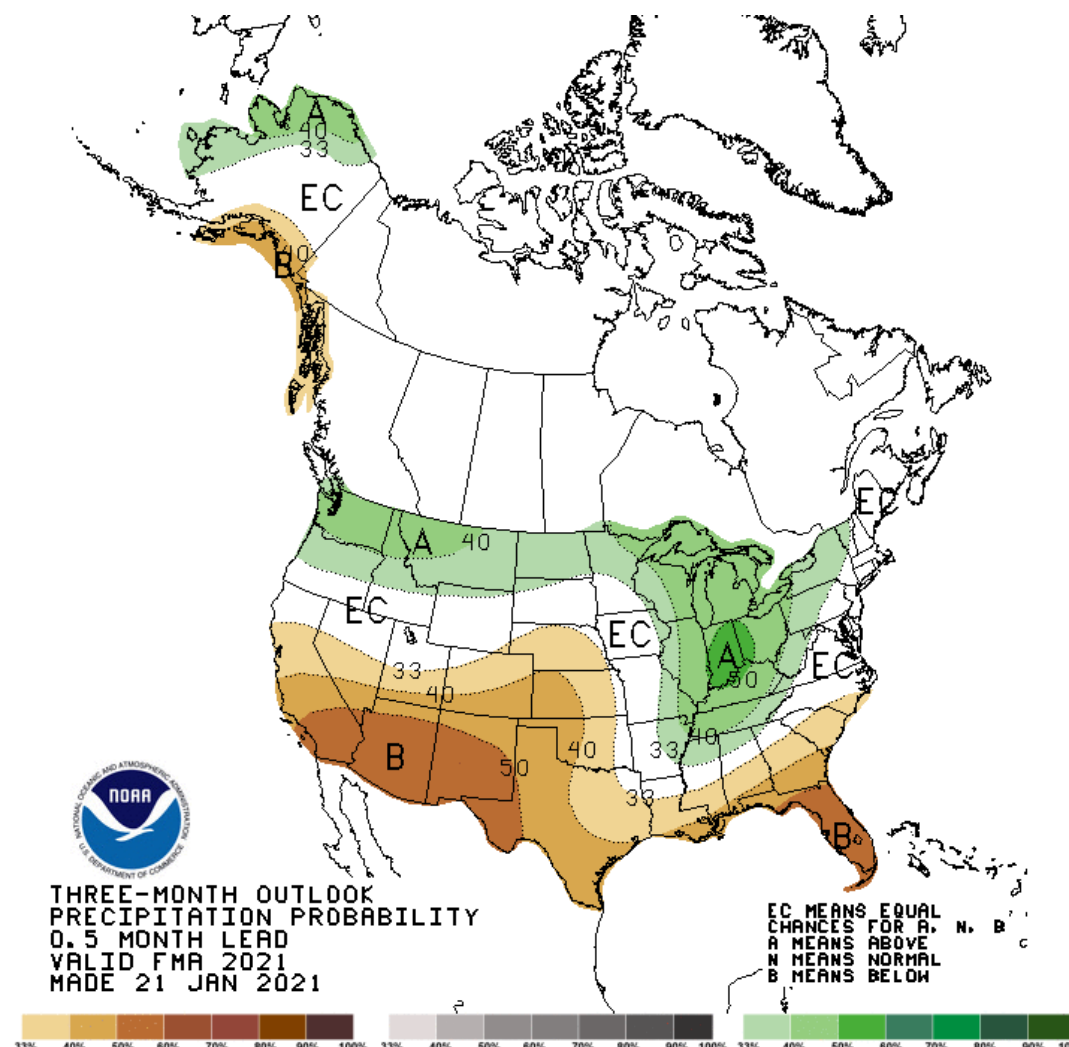
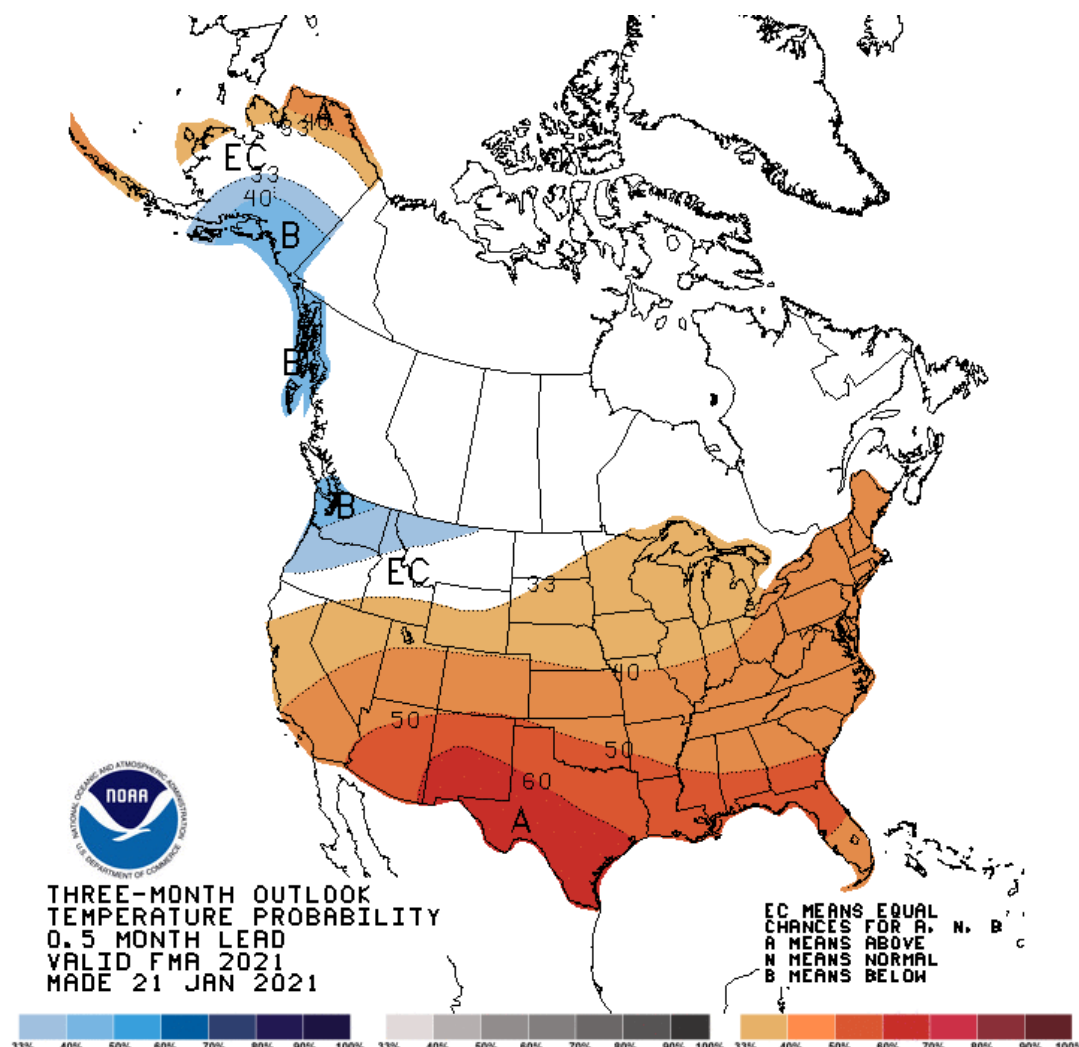
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February Outlook



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February – April Outlook



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Summary of Conditions

Drought Monitor: D0 conditions remain across NW Ohio

Climate Recap: Warmer and Drier than Average

Conditions Ahead: Pattern becoming more active with frequent opportunities for precipitation

Photo Courtesy of Mary Griffith



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Partners and Additional Information

- SCOO's Website: <https://climate.osu.edu>
- North Central Climate Collaborative: <https://northcentralclimate.org/>
- NOAA's National Climatic Data Center: www.ncdc.noaa.gov
 - Monthly climate reports (U.S. & Global): www.ncdc.noaa.gov/sotc/
- NOAA's Climate Prediction Center: www.cpc.ncep.noaa.gov
- USDA Midwest Climate Hub: <https://www.climatehubs.oce.usda.gov/hubs/midwest>
- Climate Portal: www.climate.gov
- U.S. Drought Portal: www.drought.gov
- National Drought Mitigation Center: <https://drought.unl.edu/>
- Midwest Regional Climate Center: <https://mrcc.isws.illinois.edu>
- Community Collaborative Rain Snow Hail Network (CoCoRaHS): <https://cocoahs.org>
- Song: "Blue Creek Trail" by Dan Lebowitz



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