

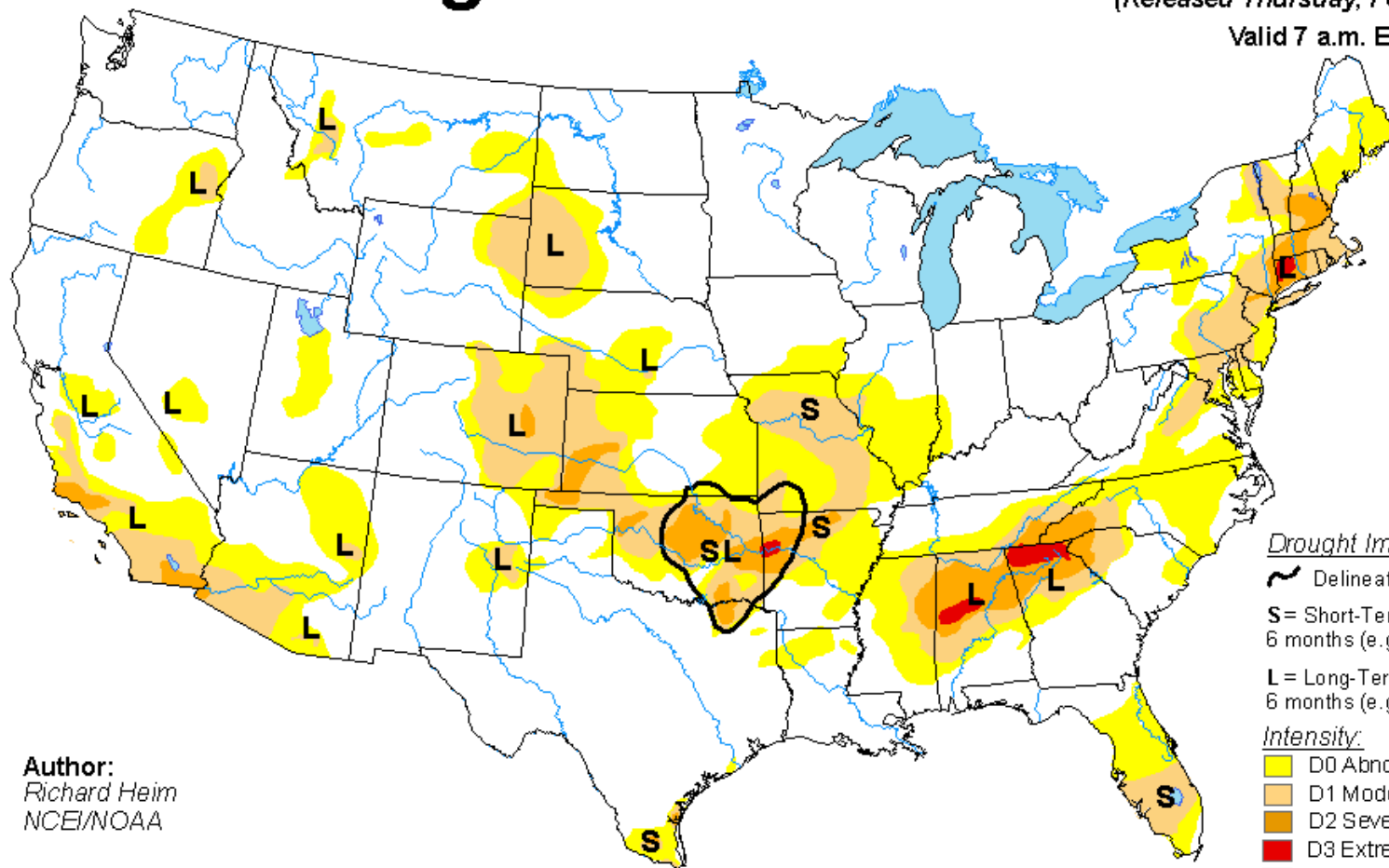
SCOO Weekly Hydrologic Outlook



28 February 2017

U.S. Drought Monitor

February 21, 2017
 (Released Thursday, Feb. 23, 2017)
 Valid 7 a.m. EST



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 NCEI/NOAA

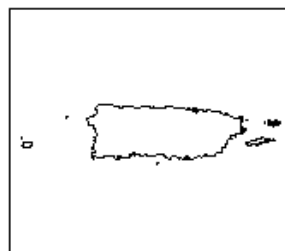
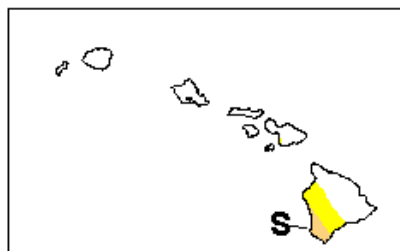
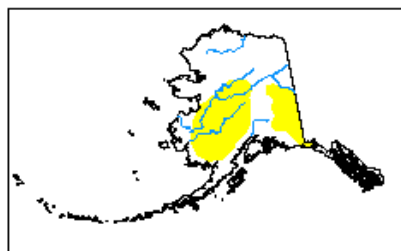
Drought Impact Types:

- ~ 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:

- Yellow: D0 Abnormally Dry
- Light Orange: D1 Moderate Drought
- Medium Orange: D2 Severe Drought
- Dark Orange: D3 Extreme Drought
- Red: D4 Exceptional Drought

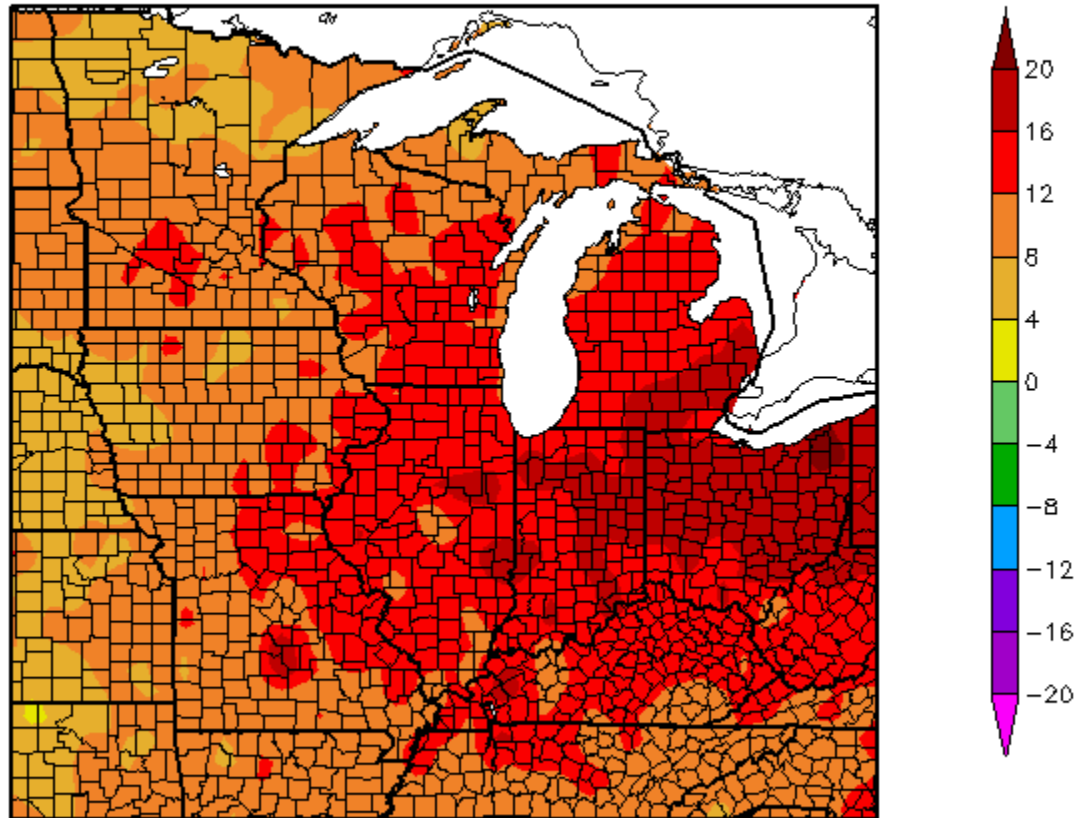
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



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

Previous 7-Day Temperature Departure

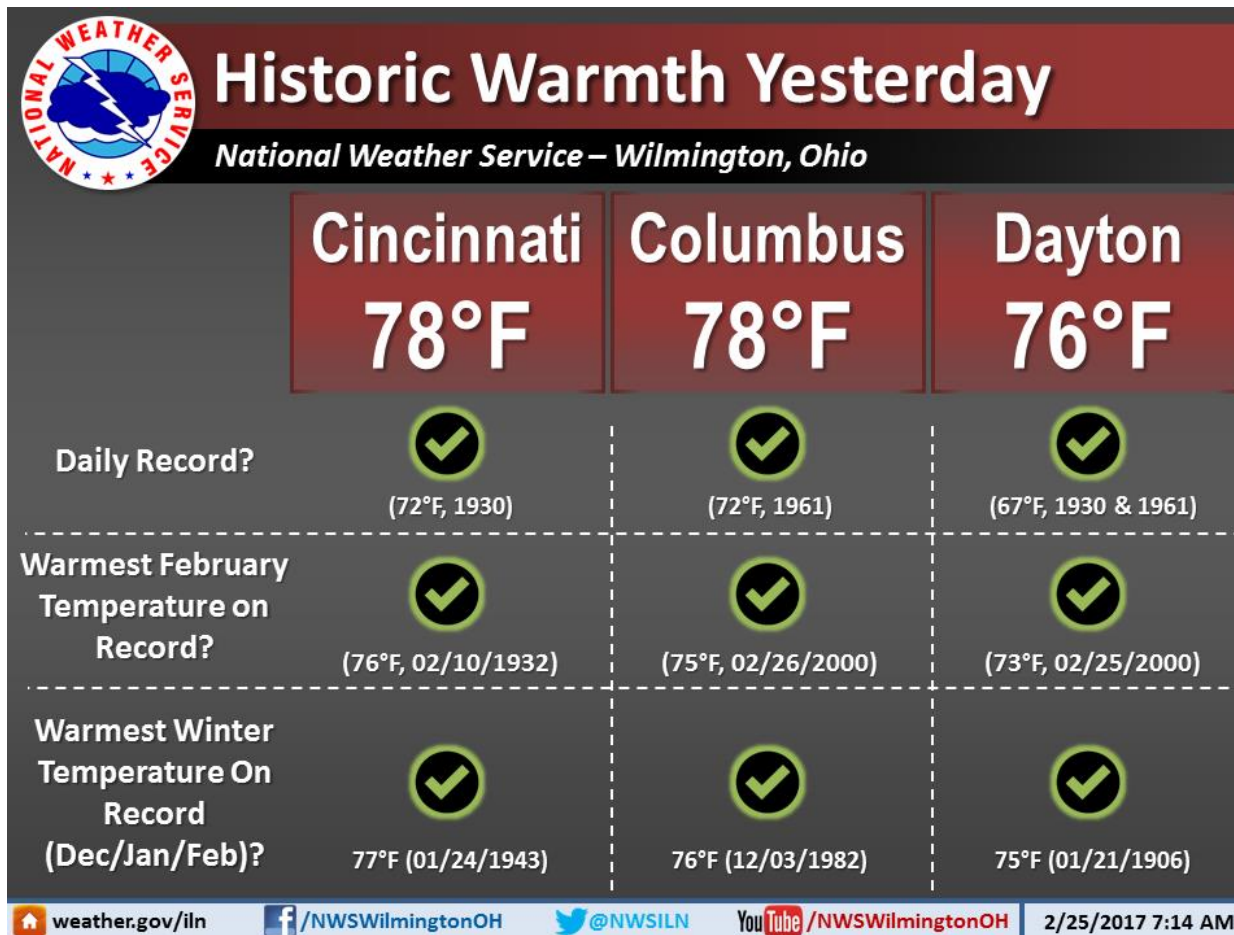
Departure from Normal Temperature (F)
2/21/2017 - 2/27/2017



Generated 2/28/2017 at HPRCC using provisional data.

Regional Climate Centers

Record Breaking Warmth



Location

Cleveland, OH
 Zanesville, OH
 Akron-Canton, OH

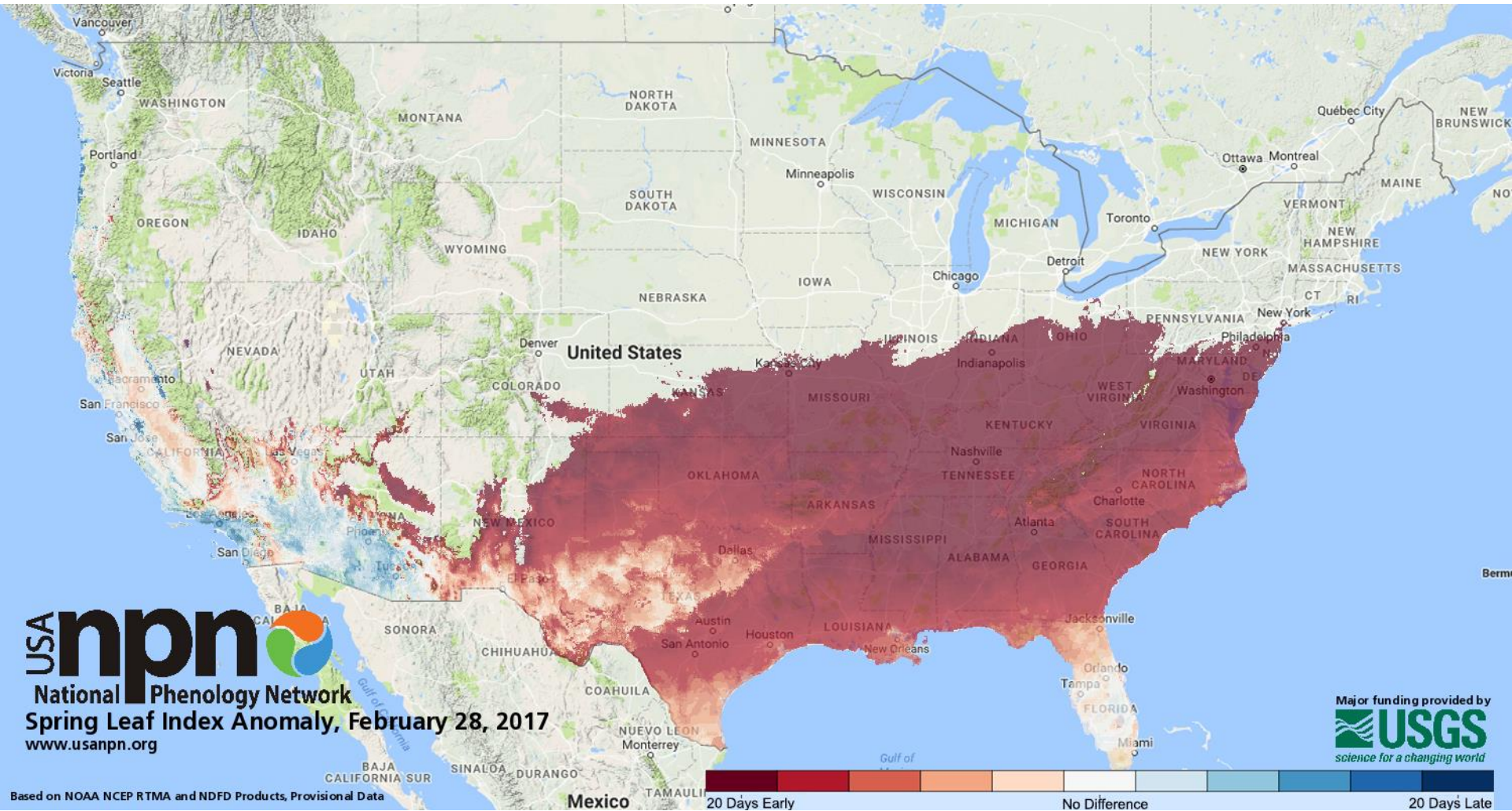
High/Date

77 on Feb. 24
 76 on Feb. 24
 76 on Feb. 24

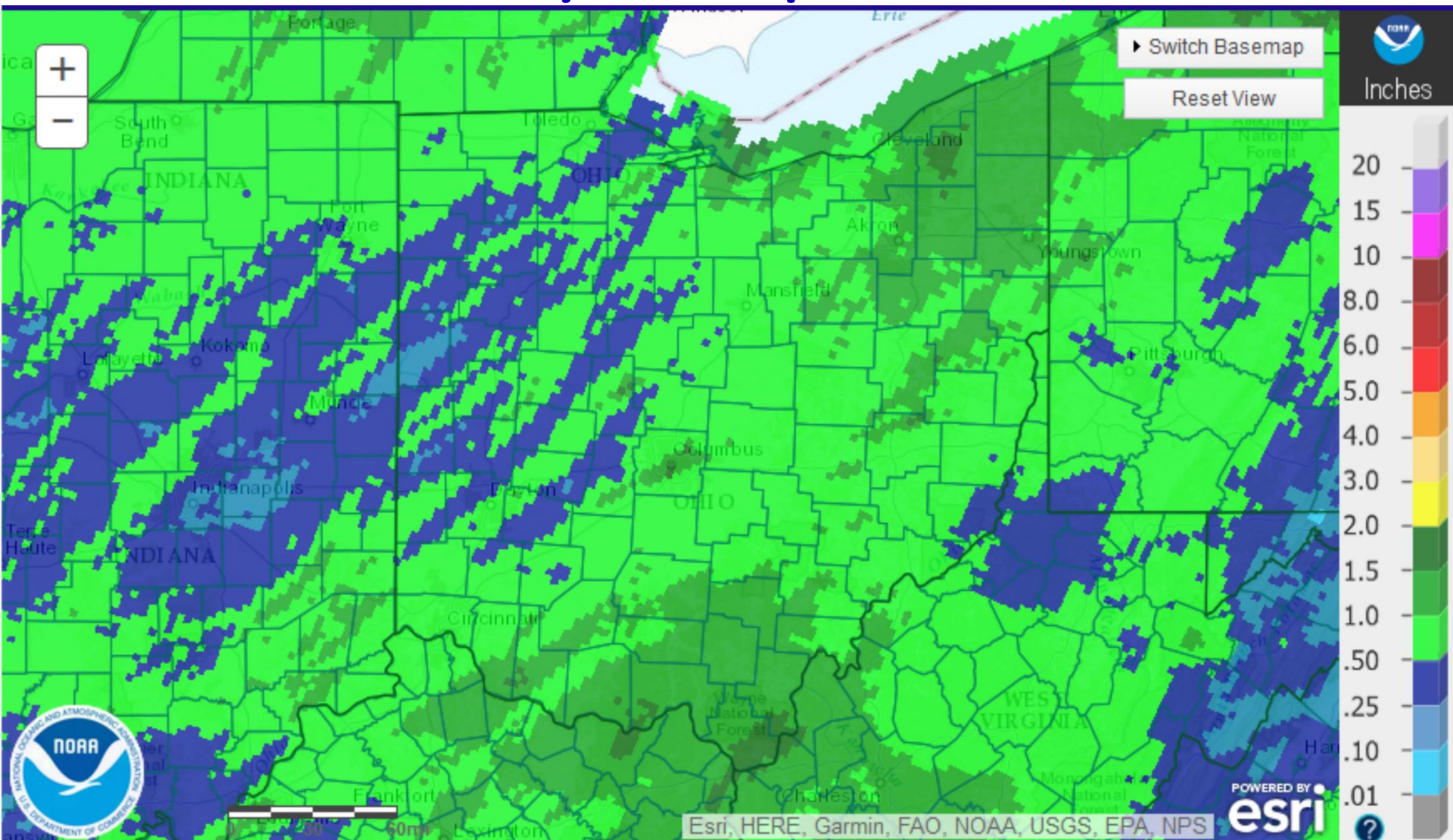
Previous

74 on Feb. 26, 2000
 75 on Feb. 26, 2000
 72 on Feb. 26, 2000

Early Spring?



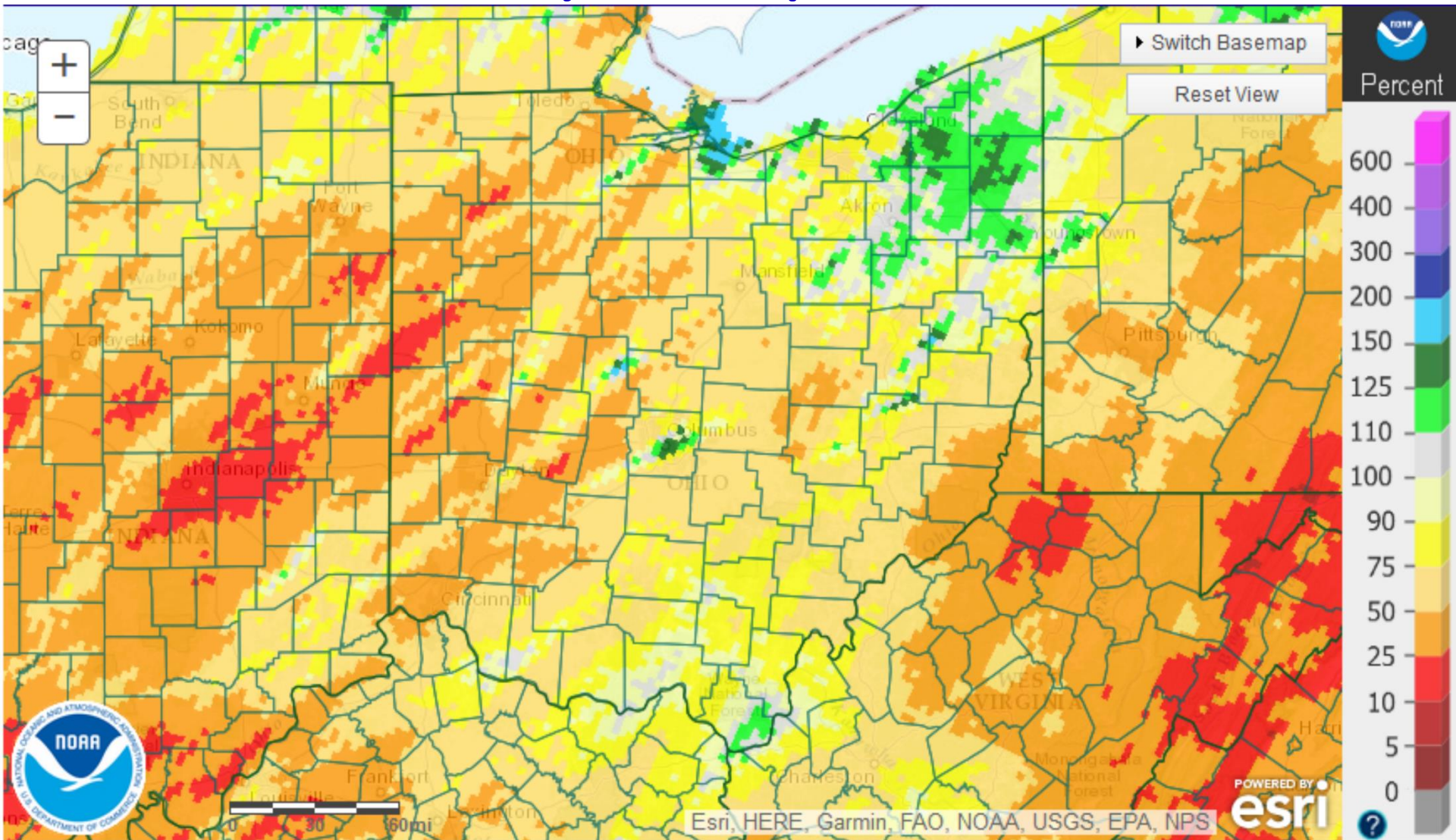
Previous 14-Day Precipitation Estimates



Total Observed



Previous 14-Day Precipitation Estimates

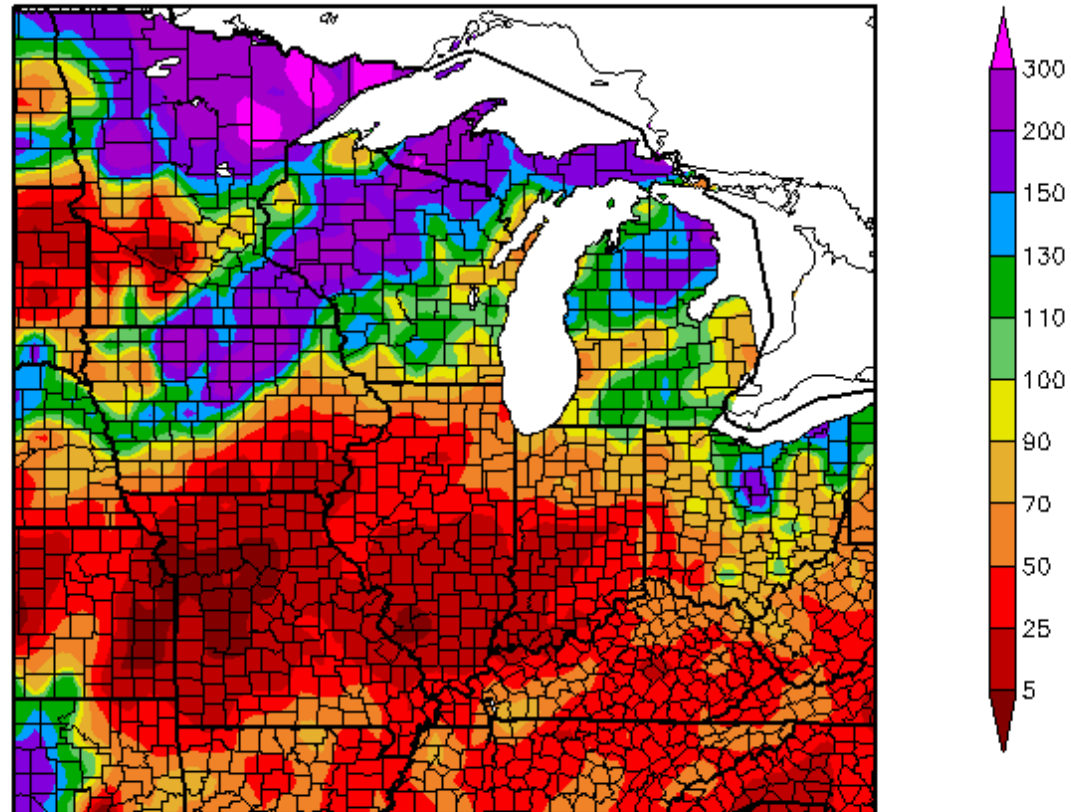


Percent of Normal



Previous 30-Days

Percent of Normal Precipitation (%)
1/29/2017 - 2/27/2017



Generated 2/28/2017 at HPRCC using provisional data.

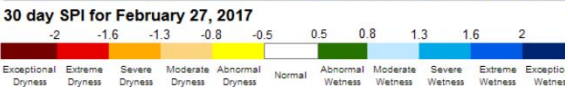
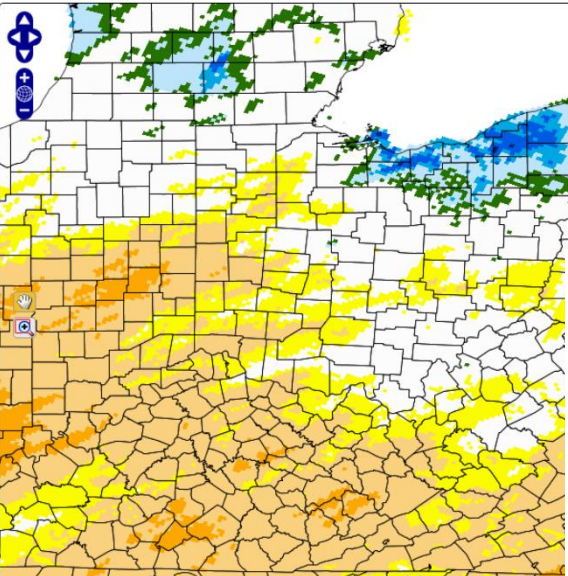
Regional Climate Centers

SPI: The Standardized Precipitation Index (SPI) indicates how unusual the amount of accumulated precipitation is, compared to the historical record over a given time scale.

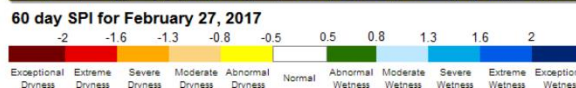
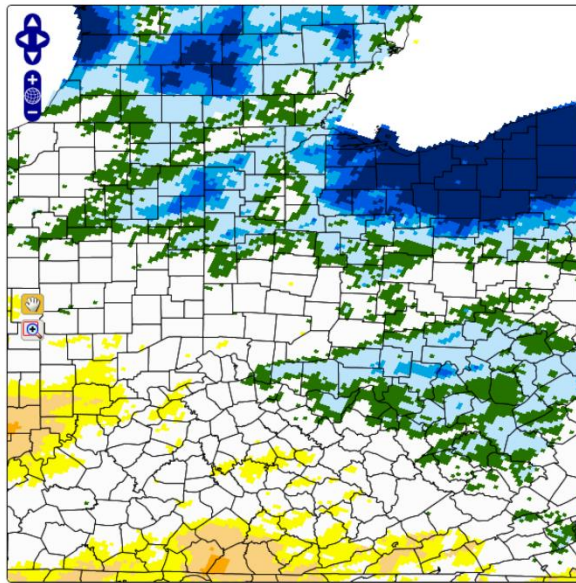

State Climate Office of North Carolina
Email: sco@climate.ncsu.edu
Phone: 919-515-3056

[Data and Products](#)
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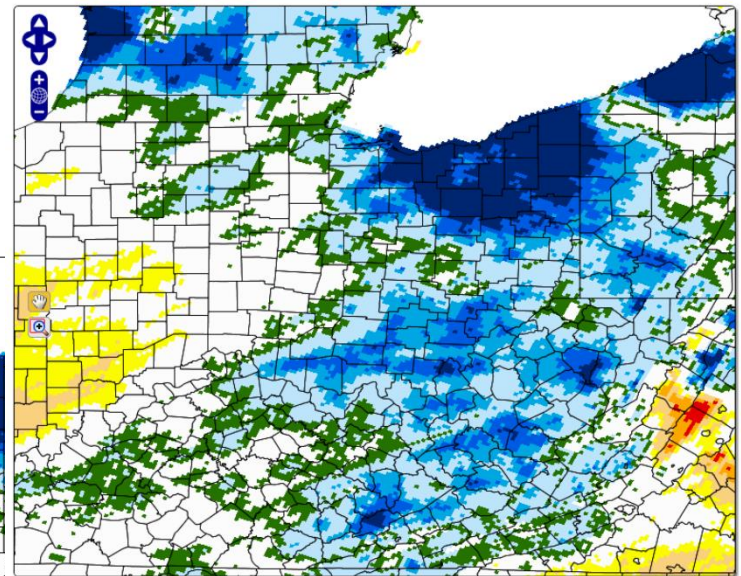
Experimental High Resolution Drought Trigger Tool



30-Day



60-Day



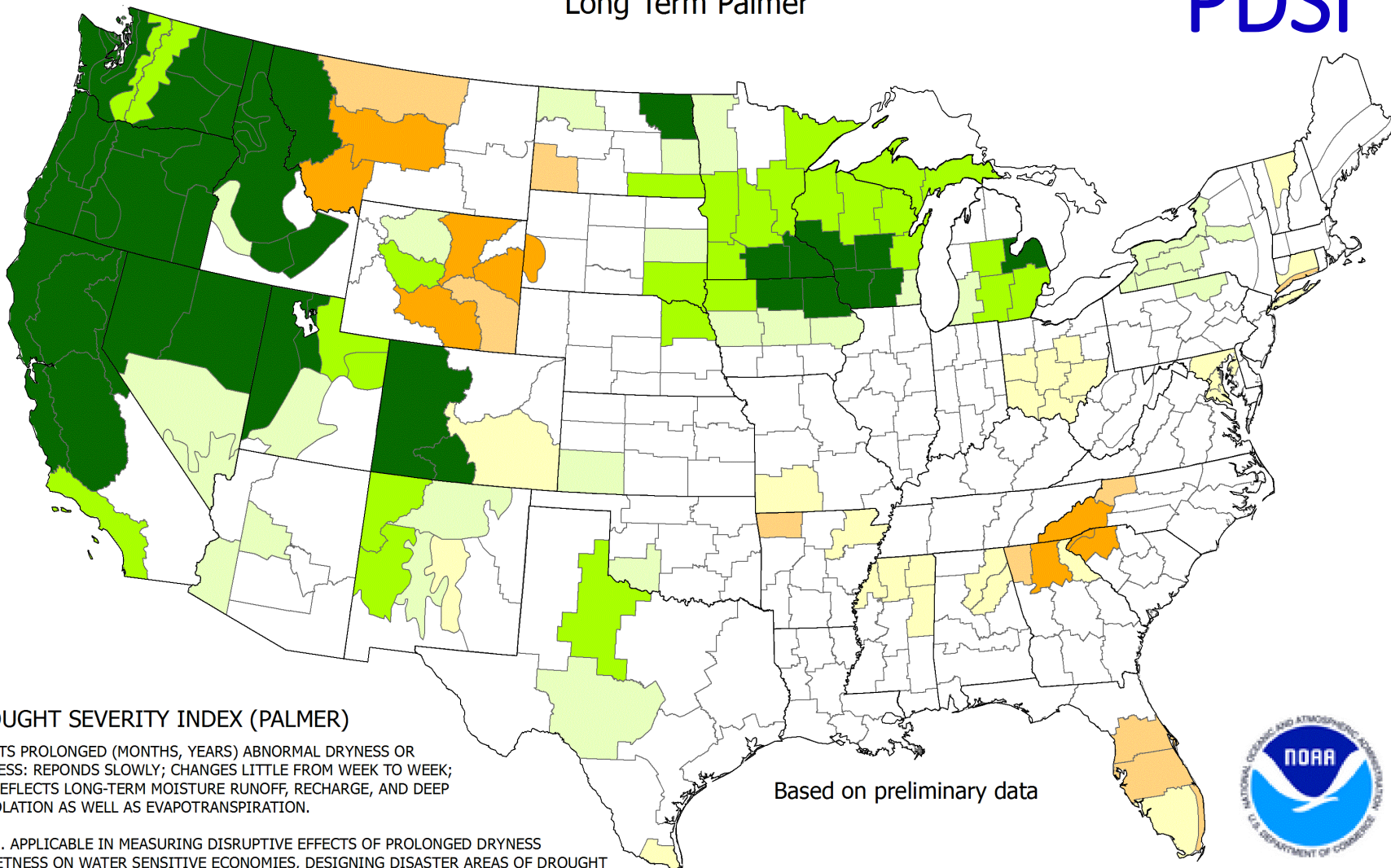
90-Day

Drought Severity Index by Division

Weekly Value for Period Ending Feb 25, 2017

Long Term Palmer

PDSI



DROUGHT SEVERITY INDEX (PALMER)

DEPICTS PROLONGED (MONTHS, YEARS) ABNORMAL DRYNESS OR WETNESS; REponds SLOWLY; CHANGES LITTLE FROM WEEK TO WEEK; AND REFLECTS LONG-TERM MOISTURE RUNOFF, RECHARGE, AND DEEP PERCOLATION AS WELL AS EVAPOTRANSPIRATION.

USES... APPLICABLE IN MEASURING DISRUPTIVE EFFECTS OF PROLONGED DRYNESS OR WETNESS ON WATER SENSITIVE ECONOMIES, DESIGNING DISASTER AREAS OF DROUGHT OR WETNESS; AND REFLECTING THE GENERAL LONG-TERM STATUS OF WATER SUPPLIES IN AQUIFERS, RESERVOIRS AND STREAMS.

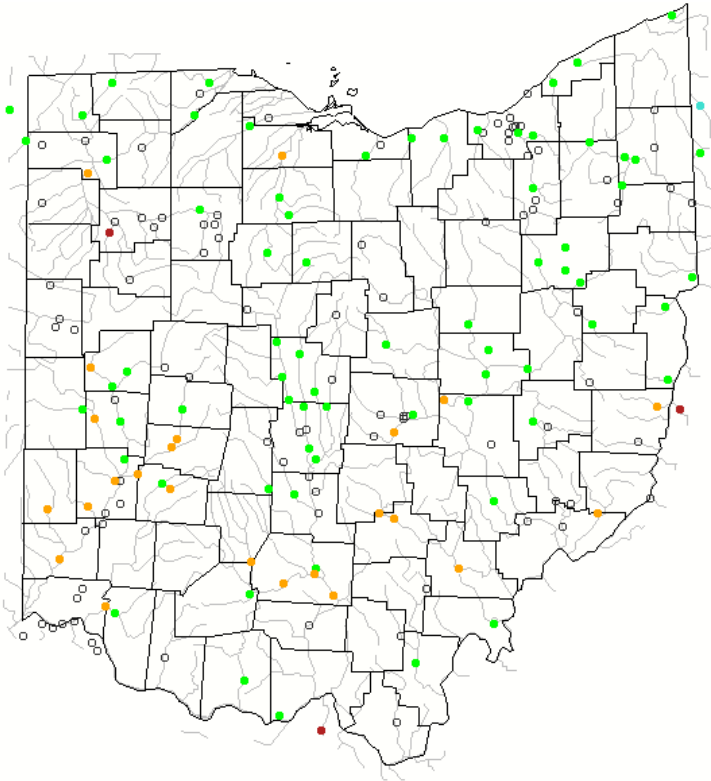
LIMITATIONS... IS NOT GENERALLY INDICATIVE OFFSHORT-TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).

Based on preliminary data



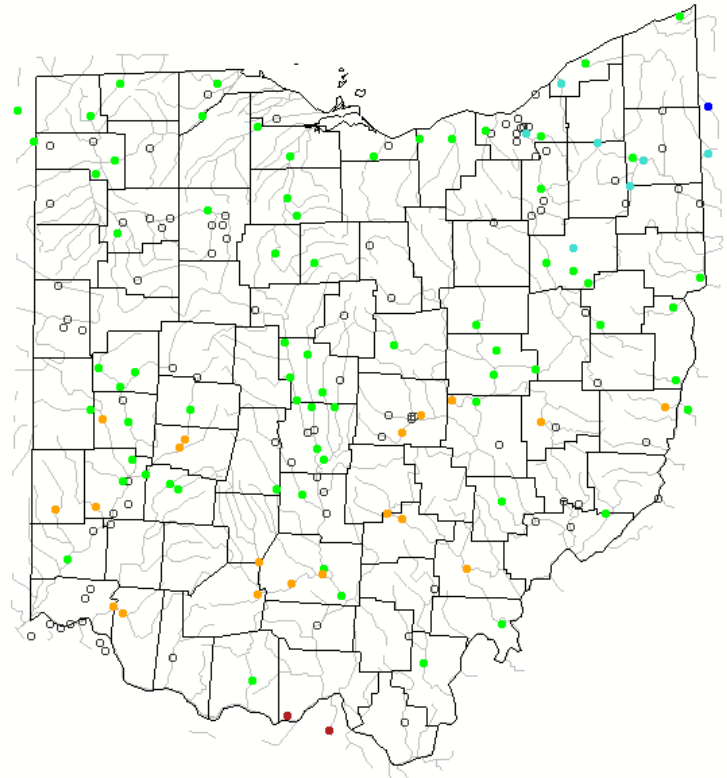
- | | |
|--|---|
| ■ -4.0 or less (Extreme Drought) | ■ +2.0 to +2.9 (Unusual Moist Spell) |
| ■ -3.0 to -3.9 (Severe Drought) | ■ +3.0 to +3.9 (Very Moist Spell) |
| ■ -2.0 to -2.9 (Moderate Drought) | ■ +4.0 and above (Extremely Moist) |
| ■ -1.9 to +1.9 (Near Normal) | |

7-DAY



USGS Streamflow

28-DAY



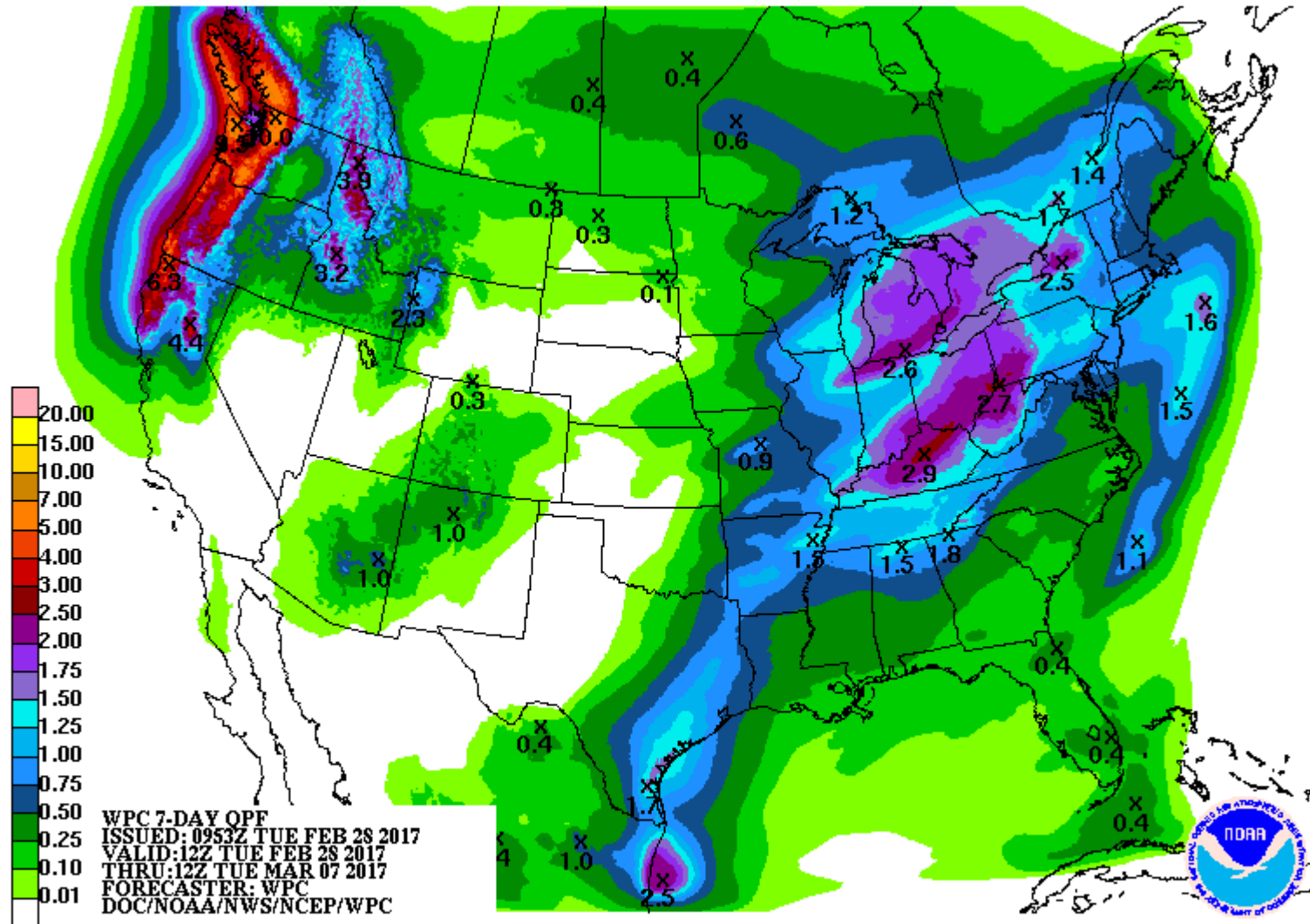
Explanation - Percentile classes

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

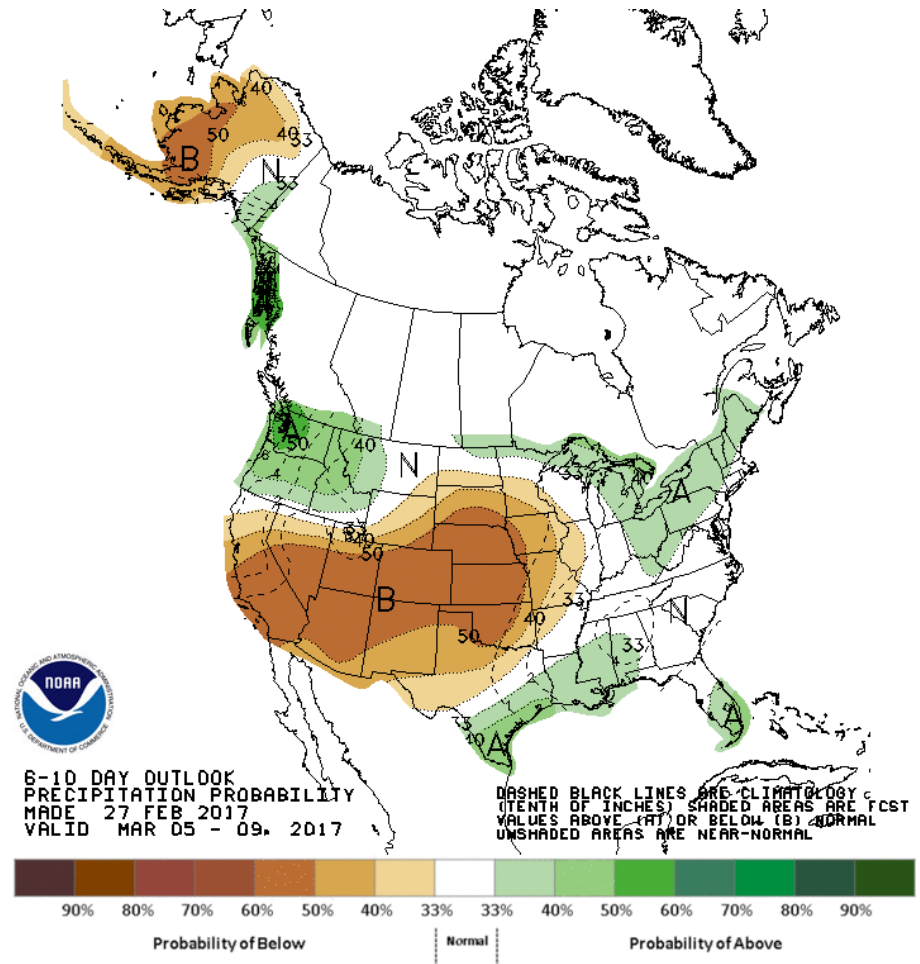
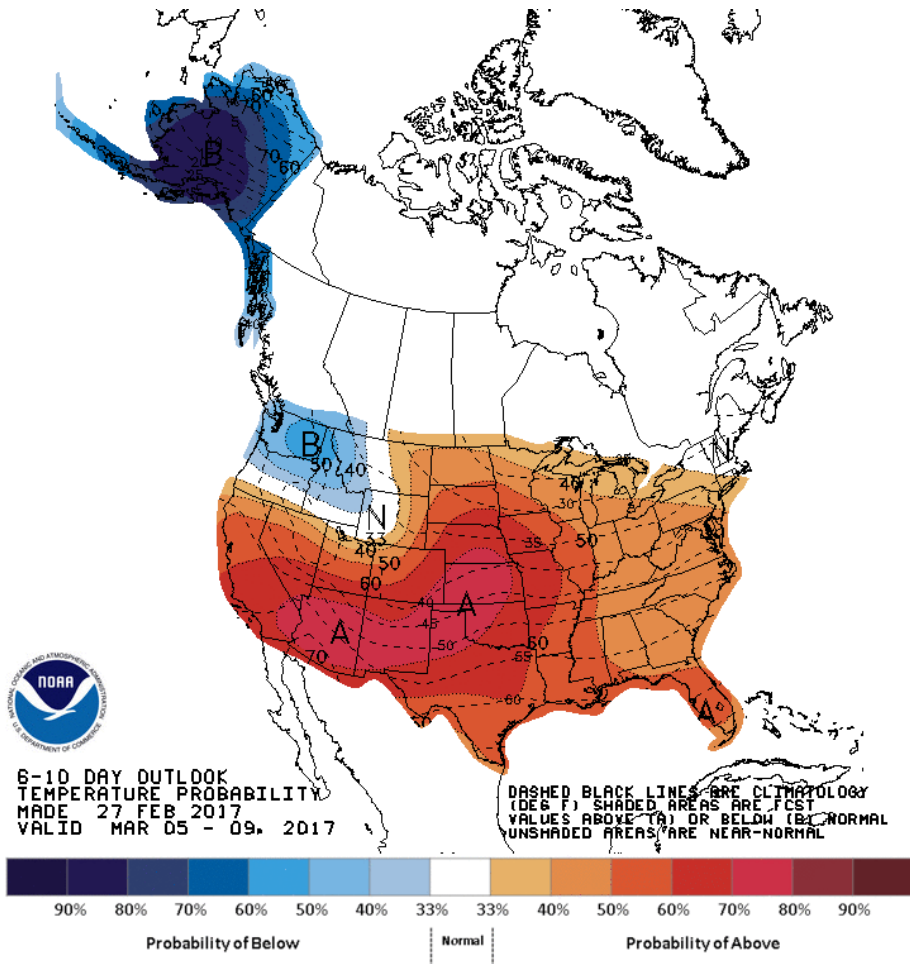
Average streamflow compared to historical streamflow for the day of the year



Weather for the Week Ahead



6-10 Day Outlook



Summary of Conditions

- **Drought Monitor: Currently no drought designations in Ohio**
- **30-Day and 60-Day: Normal to wet across the northern part of the state; dry south**
- **30-Day temperatures have been extremely warm; Spring indices about 20 days ahead of schedule -> fruit producers concerned with swelling buds**
- **Heavy rain expected along Ohio River this week -> could lead to some flood potential**