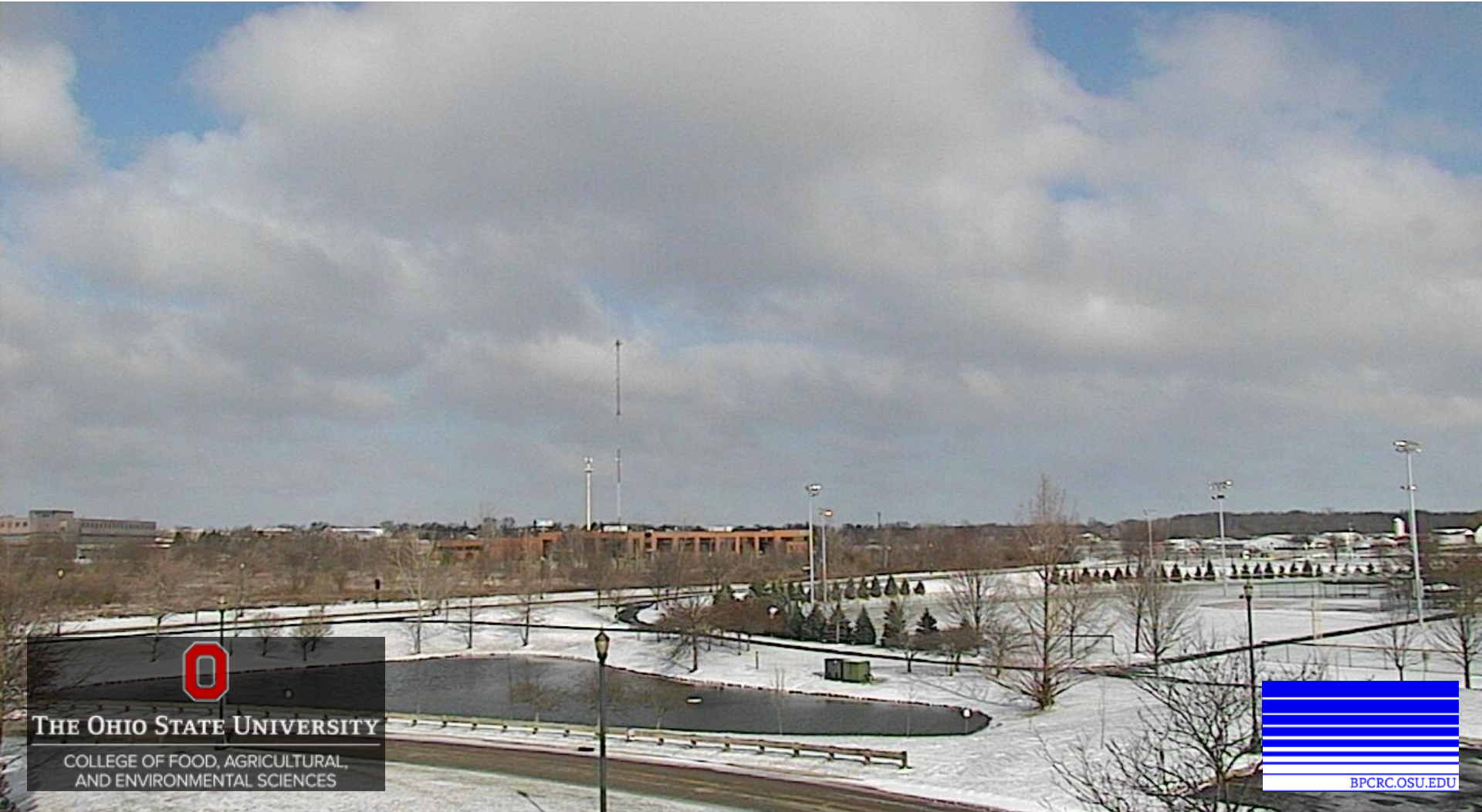
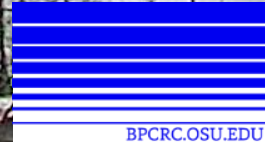


# SCOO Weekly Hydrologic Outlook



**THE OHIO STATE UNIVERSITY**

COLLEGE OF FOOD, AGRICULTURAL,  
AND ENVIRONMENTAL SCIENCES

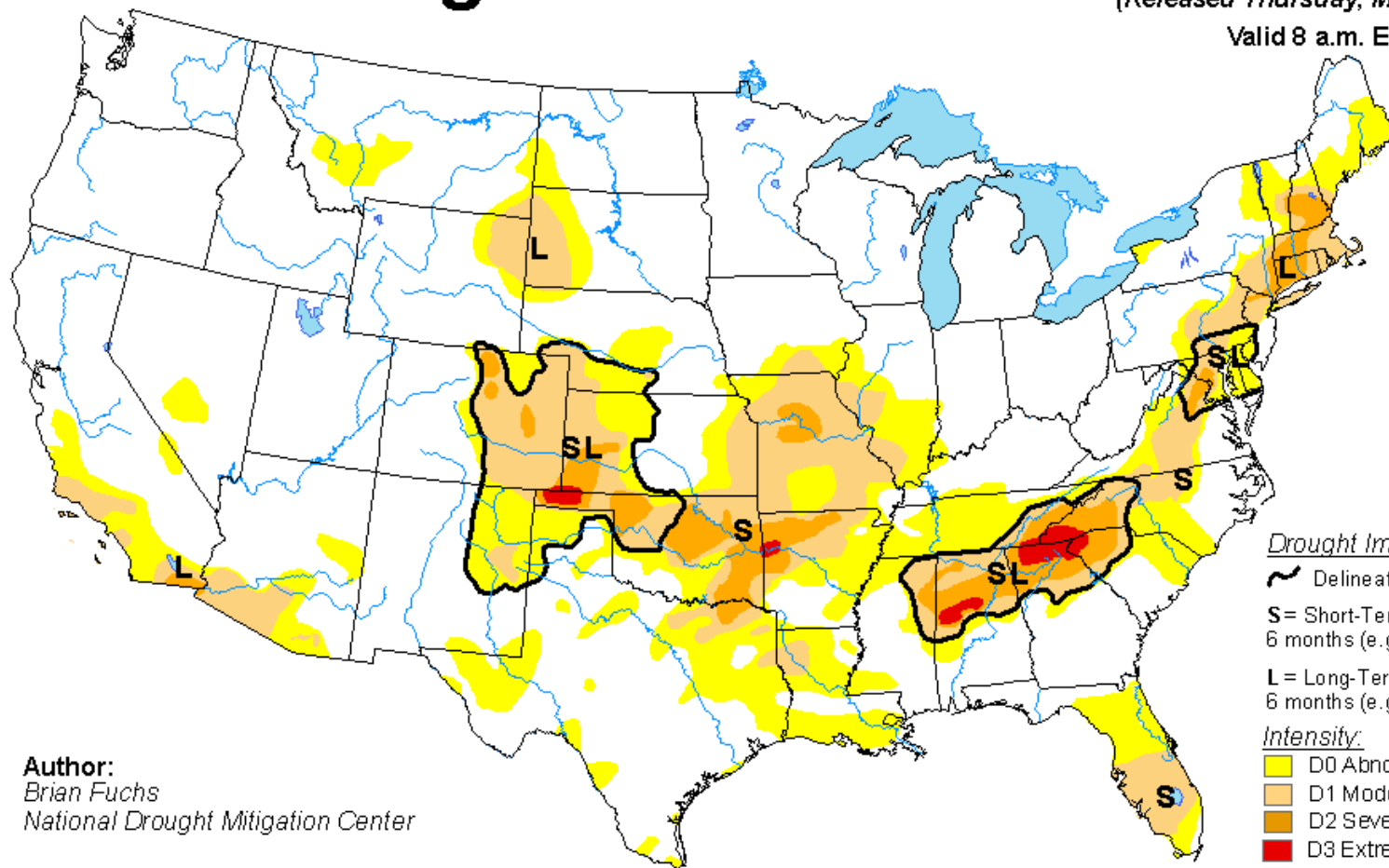


[BPCRC.OSU.EDU](http://BPCRC.OSU.EDU)

**21 March 2017**

# U.S. Drought Monitor

March 14, 2017  
 (Released Thursday, Mar. 16, 2017)  
 Valid 8 a.m. EDT



Drought Impact Types:

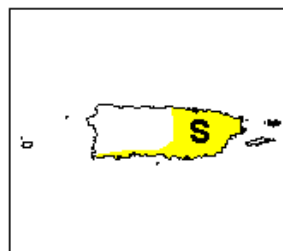
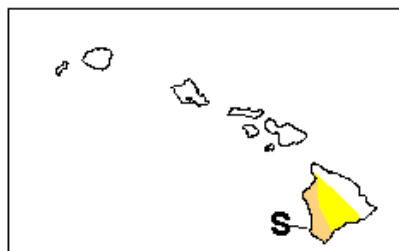
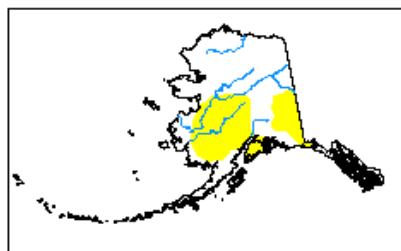
- ~ Delineates dominant impacts
- S= Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L= Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

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

Author:  
 Brian Fuchs  
 National Drought Mitigation Center

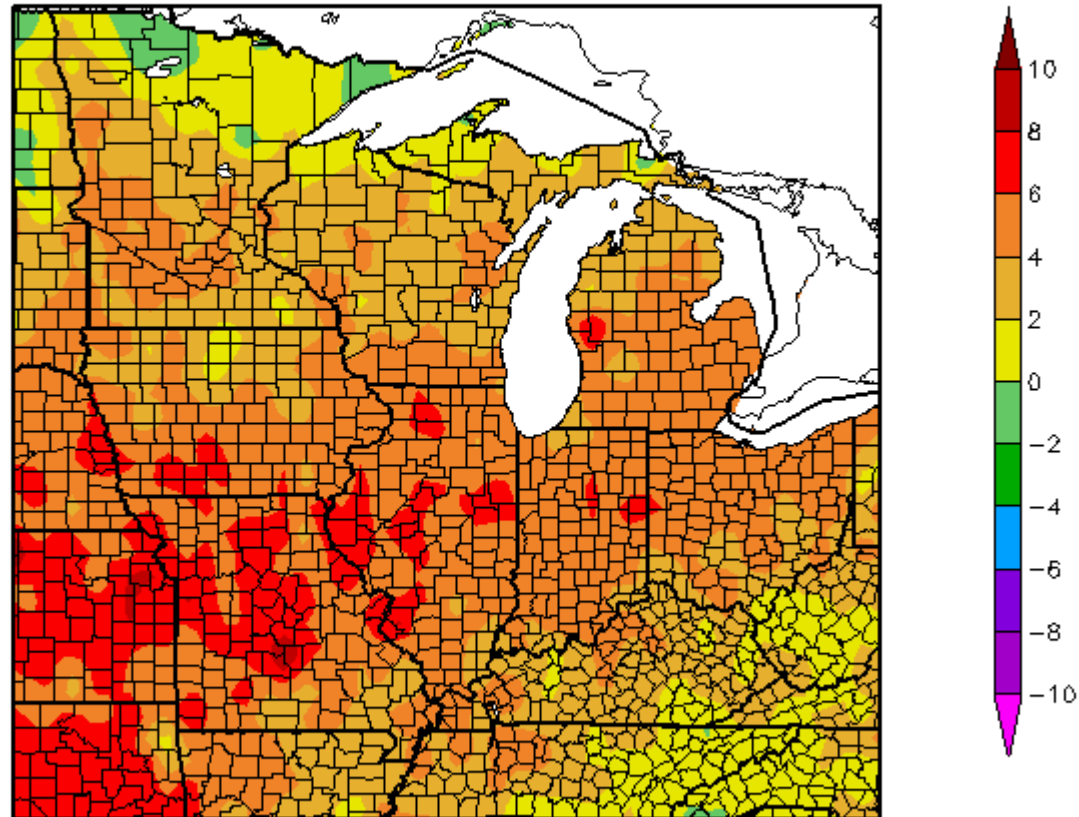
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



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

# Previous 30-Day Temperature Departure

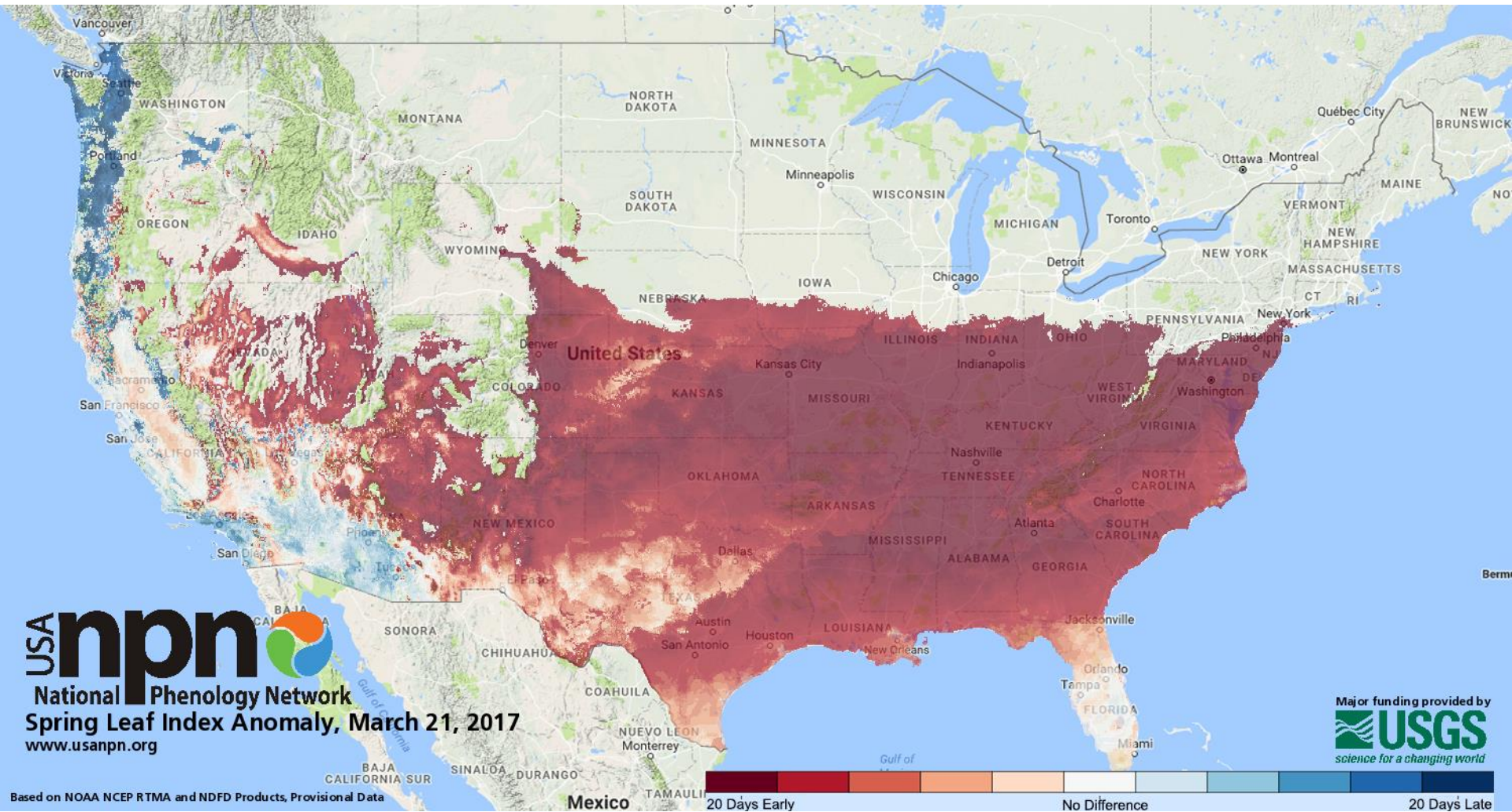
Departure from Normal Temperature (F)  
2/19/2017 – 3/20/2017



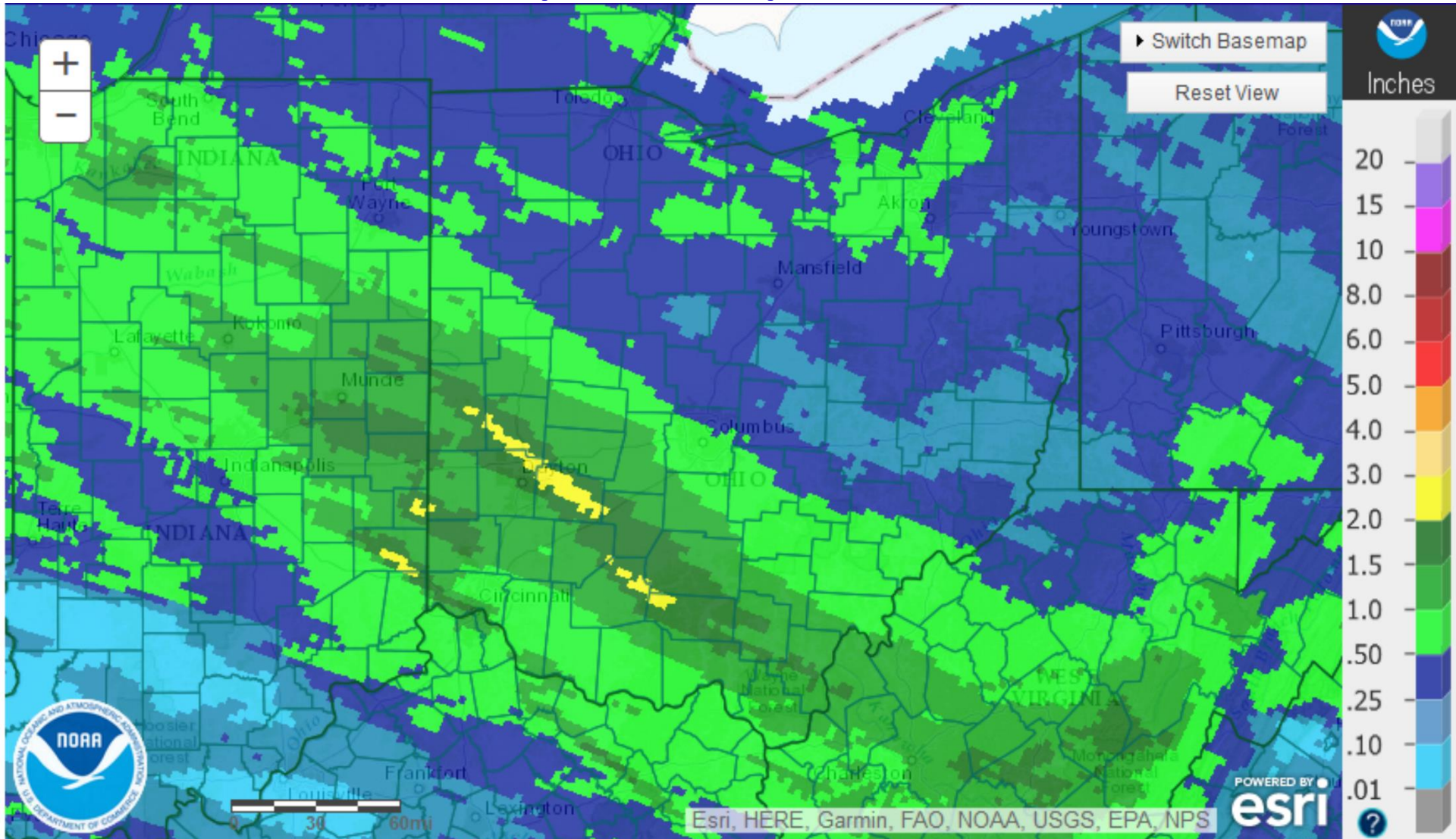
Generated 3/21/2017 at HPRCC using provisional data.

Regional Climate Centers

# Early Spring Conditions



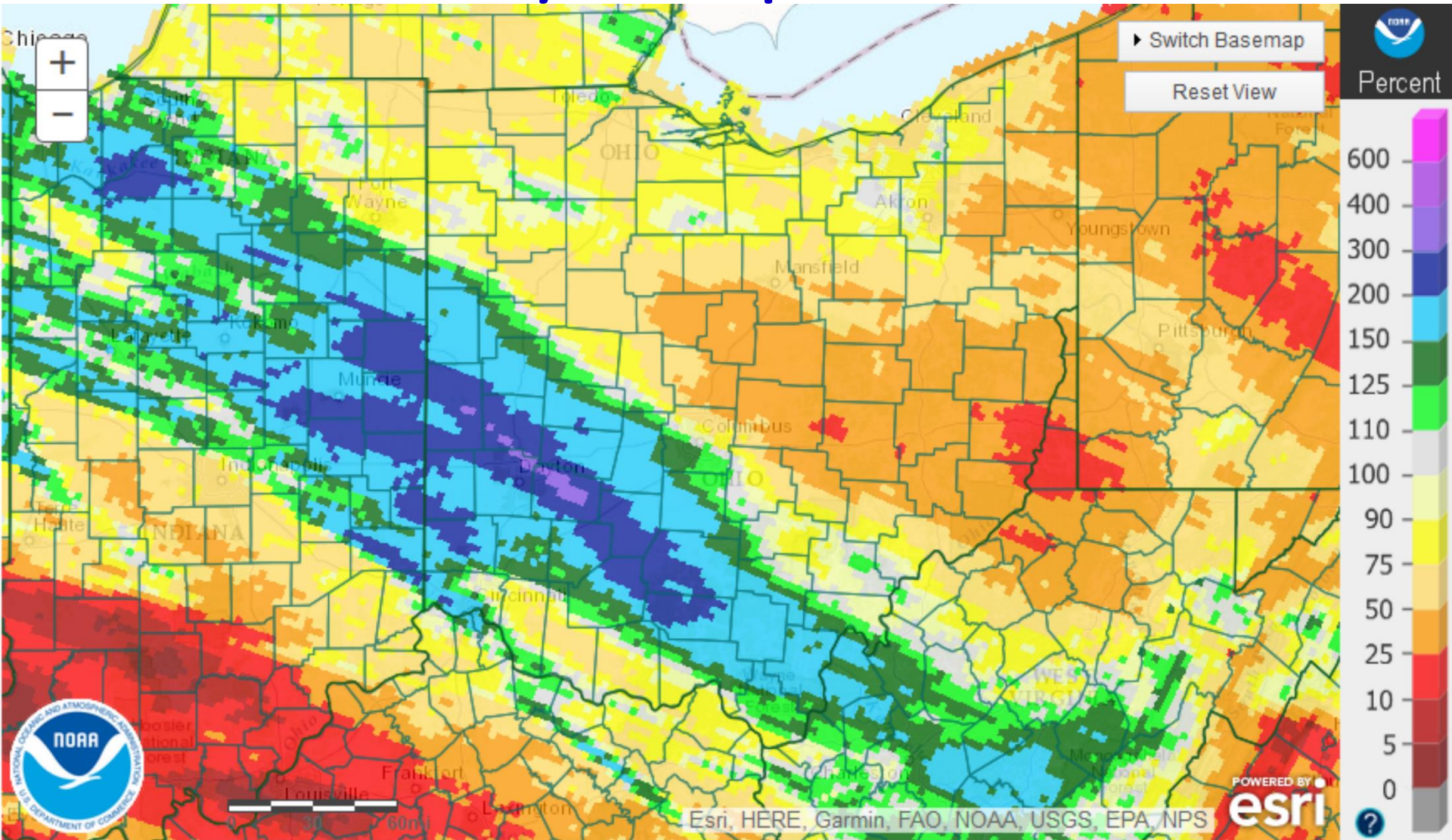
# Previous 7-Day Precipitation Estimates



**Total Observed**



# Previous 7-Day Precipitation Estimates

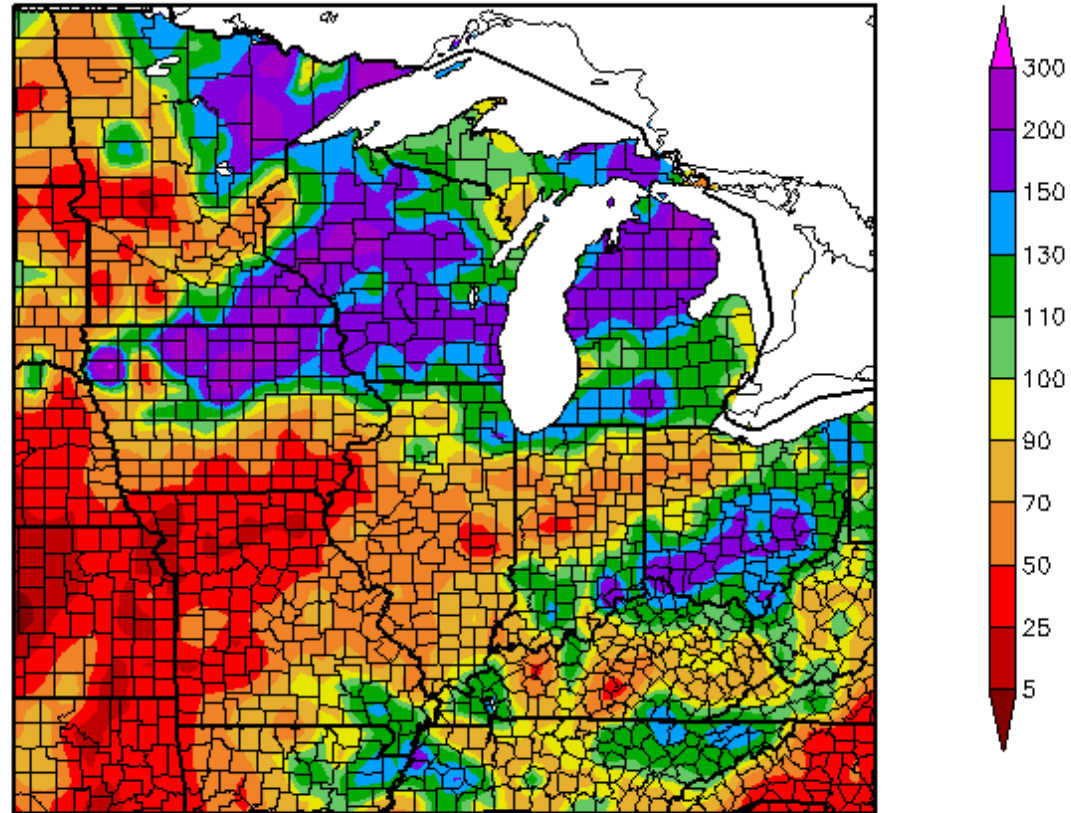


Percent of Normal



# Previous 30-Days

Percent of Normal Precipitation (%)  
2/19/2017 – 3/20/2017



Generated 3/21/2017 at HPRCC using provisional data.

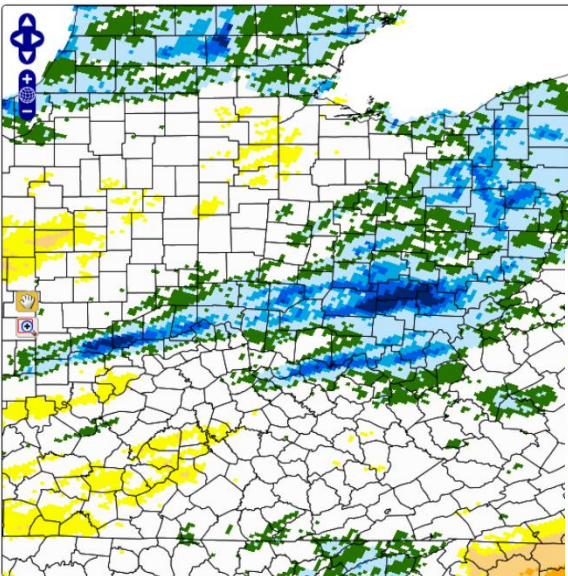
Regional Climate Centers

# 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.

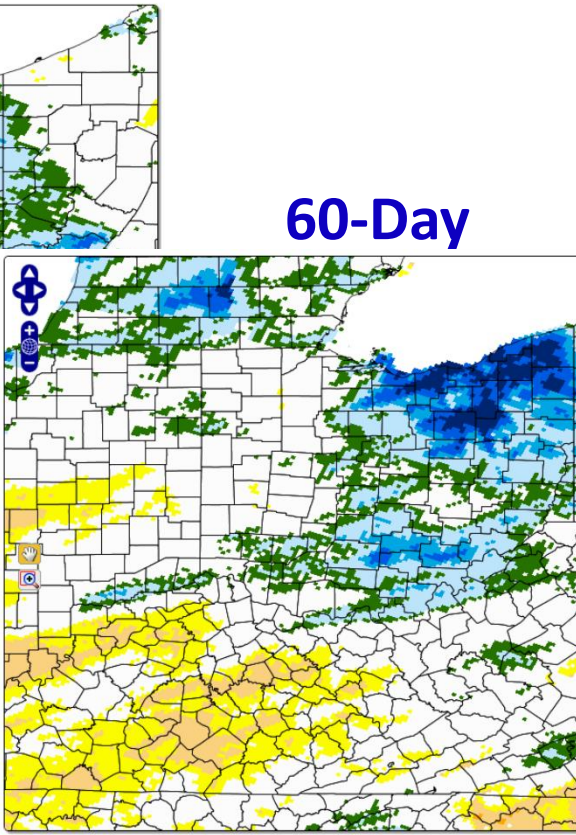
**State Climate Office of North Carolina**  
 Email: sco@climate.ncsu.edu Phone: 919-515-3056

Data and Products    Aspects of NC Climate    Educational Outreach    About Our Office        Search

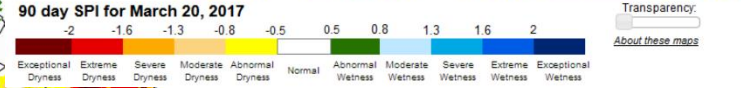
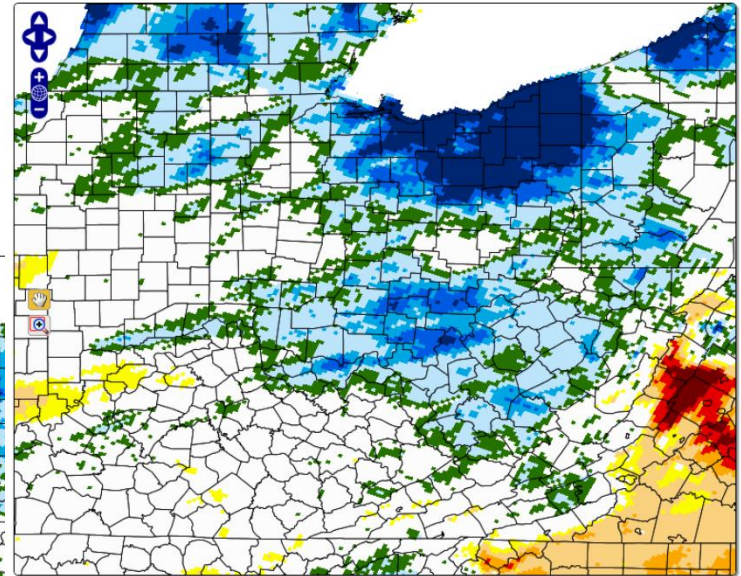
**Experimental High Resolution Drought Trigger Tool**



**30-Day**



**60-Day**



**90-Day**

Transparency:

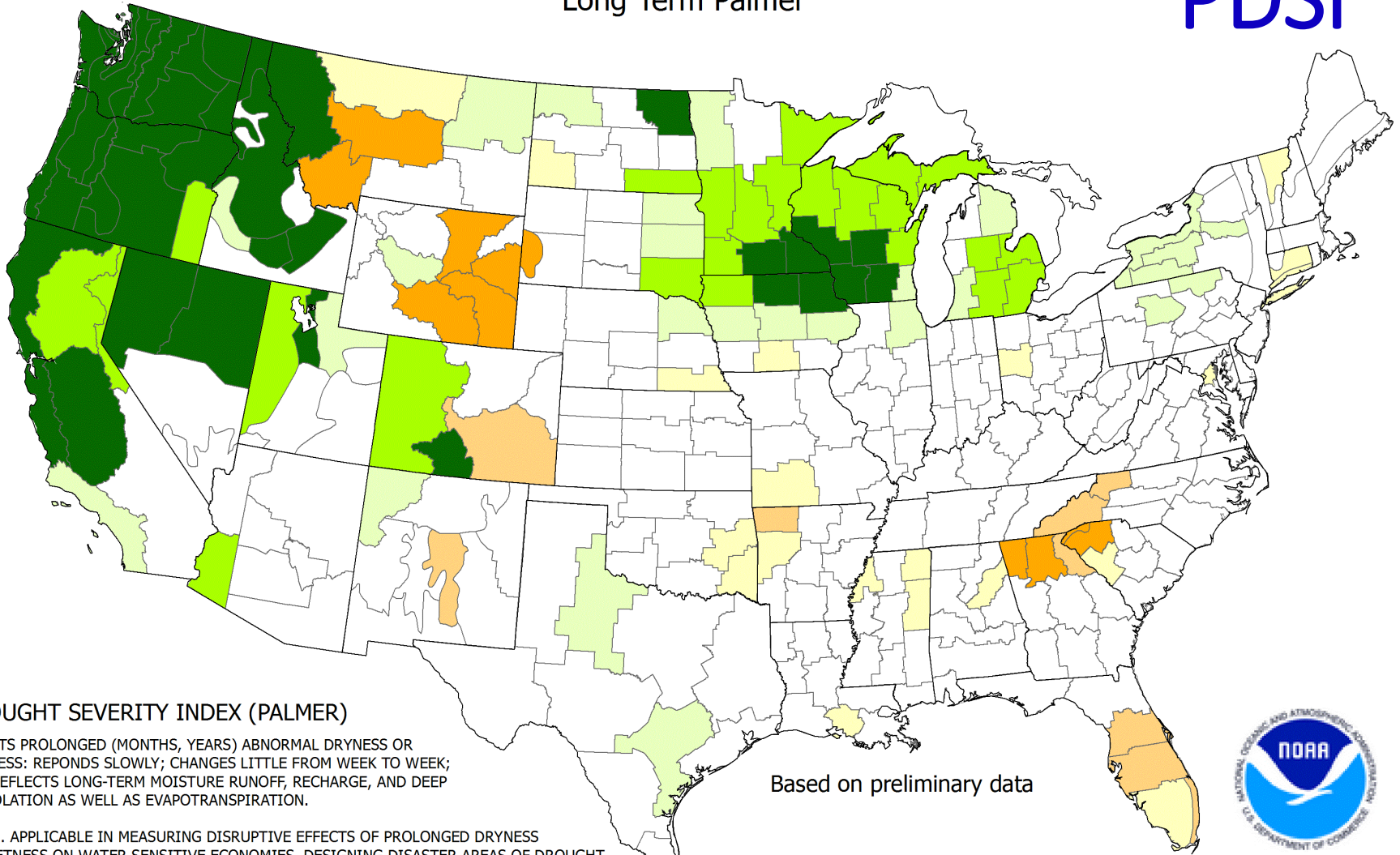
[About these maps](#)

# Drought Severity Index by Division

## Weekly Value for Period Ending Mar 18, 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.

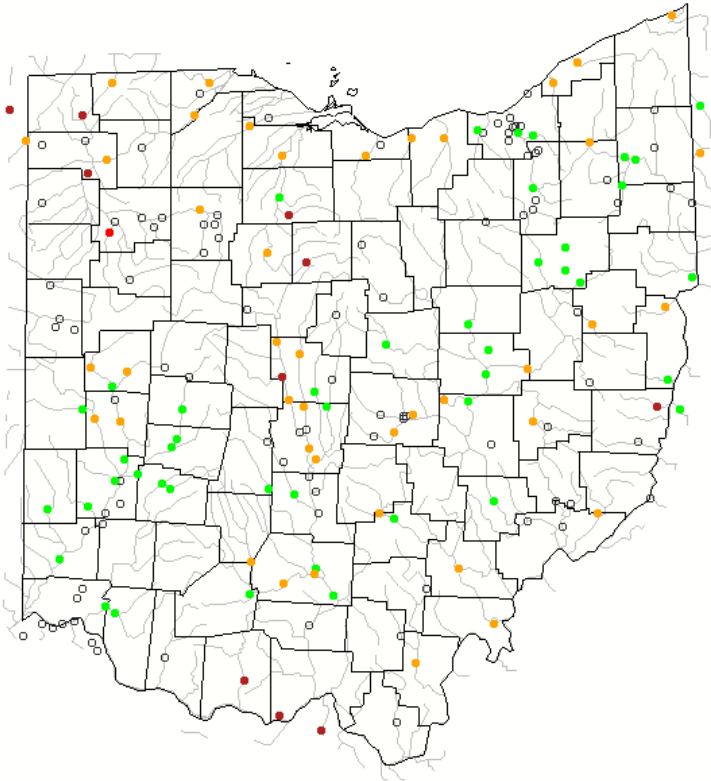
LIMITATIONS... IS NOT GENERALLY INDICATIVE OFFSHORT-TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).

Based on preliminary data



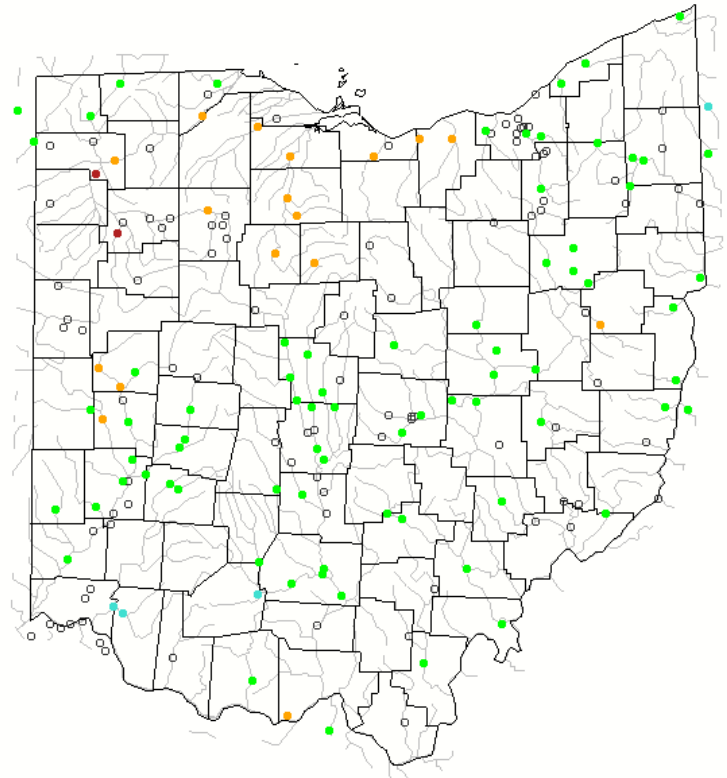
- |  |   |
|--|---|
| <span style="color: #8B4513;">■</span> -4.0 or less (Extreme Drought)  | <span style="color: #90EE90;">■</span> +2.0 to +2.9 (Unusual Moist Spell) |
| <span style="color: #FF8C00;">■</span> -3.0 to -3.9 (Severe Drought)   | <span style="color: #32CD32;">■</span> +3.0 to +3.9 (Very Moist Spell)    |
| <span style="color: #FFD700;">■</span> -2.0 to -2.9 (Moderate Drought) | <span style="color: #006400;">■</span> +4.0 and above (Extremely Moist)   |
| <span style="color: #FFFFFF;">■</span> --1.9 to +1.9 (Near Normal)     |   |

7-DAY



# USGS Streamflow

28-DAY



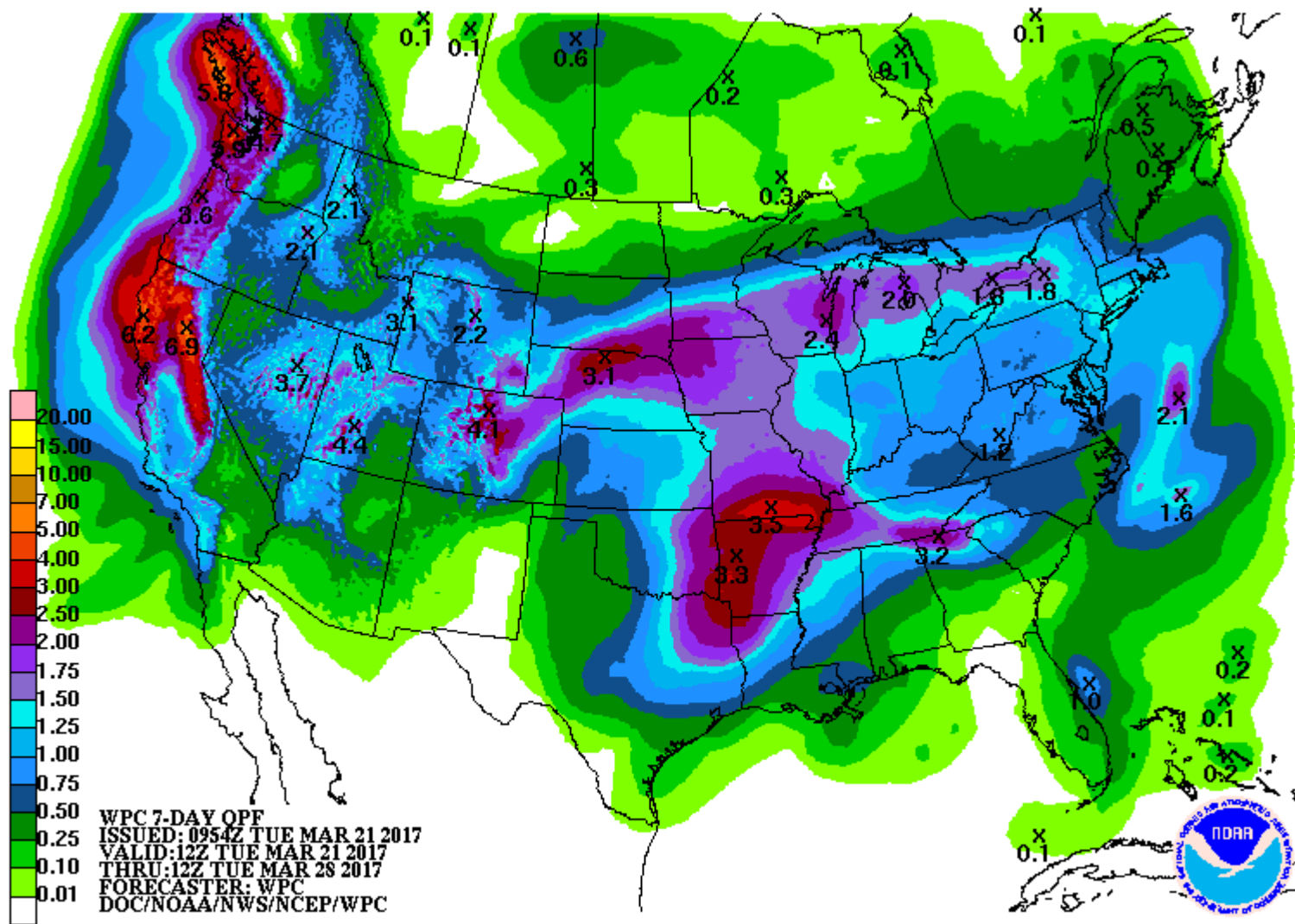
Explanation - Percentile classes

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

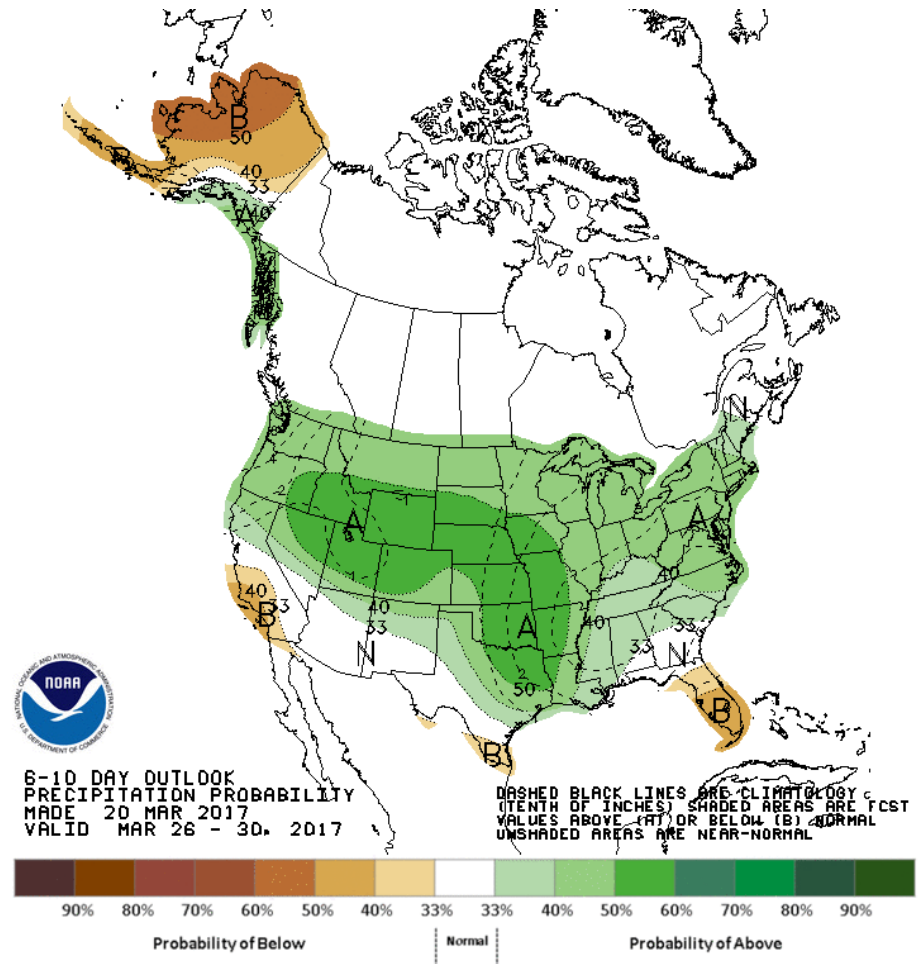
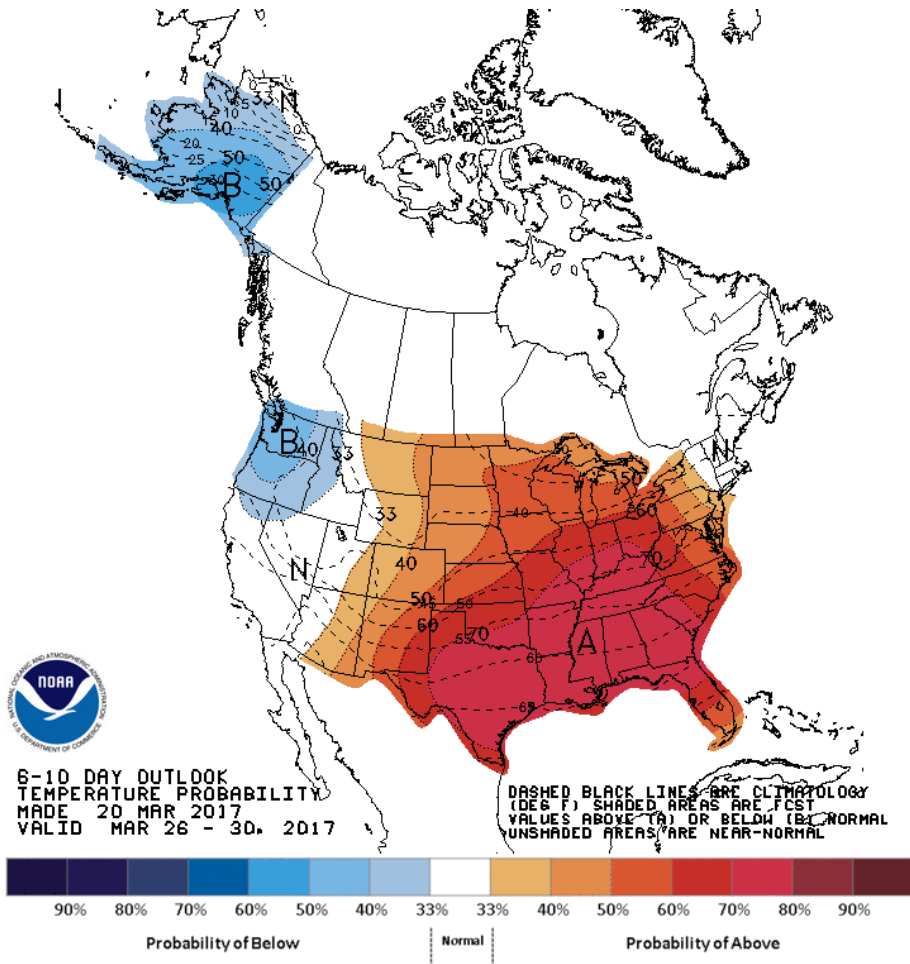
Average streamflow compared to historical streamflow for the day of the year



# Weather for the Week Ahead



# 6-10 Day Outlook



# Summary of Conditions



- **Drought Monitor:** N/A
- **30-Day and 60-Day:** Drying over the short-term; Heavy rain in the W and SW
- **30-Day temperatures:** Still above normal; Spring indices about 20 days ahead of schedule and resuming northward expansion
- **Precipitation:** Opportunities remain above normal through the next 7-days