

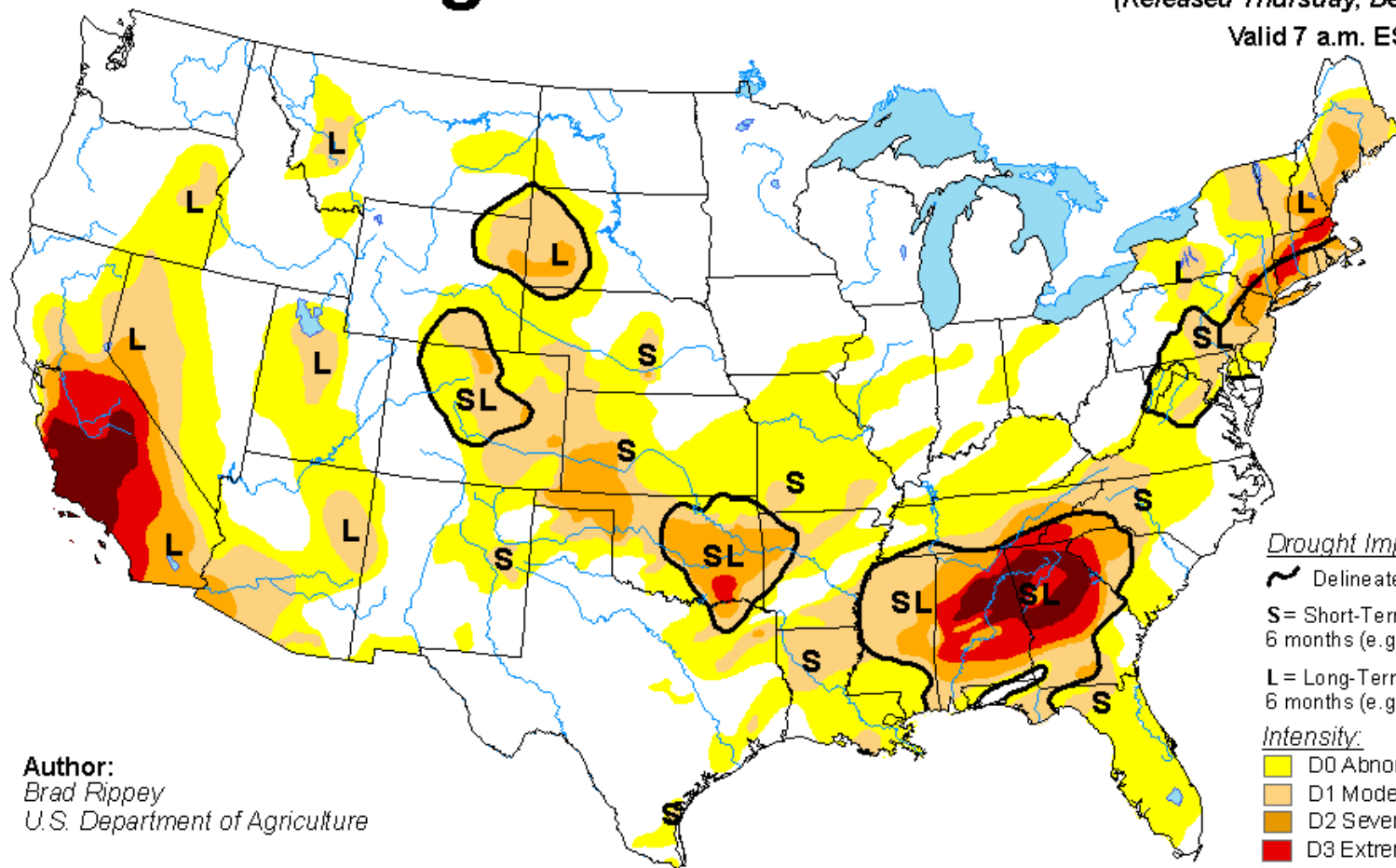
SCOO Weekly Hydrologic Outlook



3 January 2017

U.S. Drought Monitor

December 27, 2016
 (Released Thursday, Dec. 29, 2016)
 Valid 7 a.m. EST



Drought Impact Types:

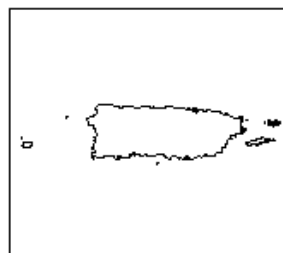
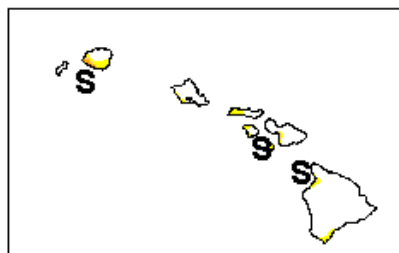
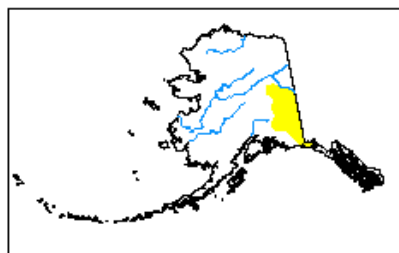
- ~ Delineates dominant impacts
- S= Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L= Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

Author:
 Brad Rippey
 U.S. Department of Agriculture

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

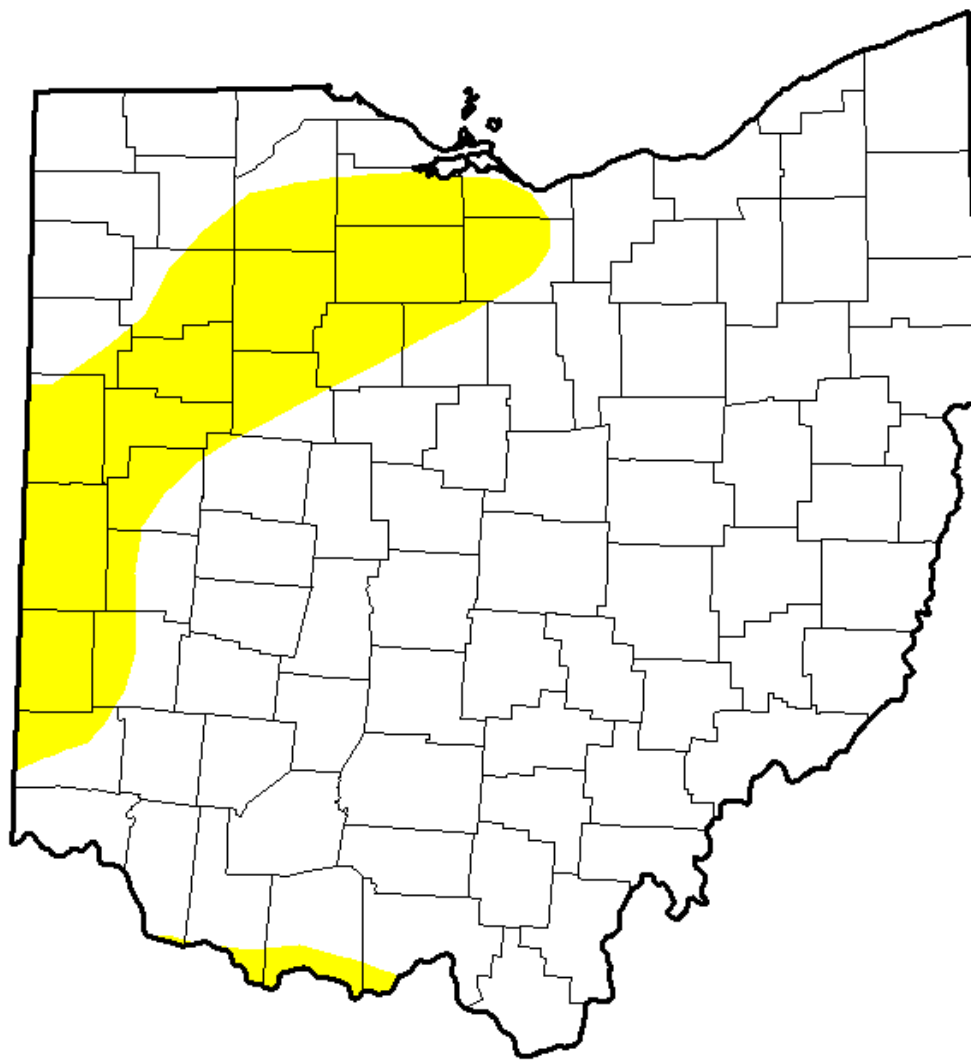


<http://droughtmonitor.unl.edu/>

U.S. Drought Monitor

Ohio

December 27, 2016
 (Released Thursday, Dec. 29, 2016)
 Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	83.13	16.87	0.00	0.00	0.00	0.00
Last Week <i>12/20/2016</i>	82.84	17.16	0.04	0.00	0.00	0.00
3 Months Ago <i>9/27/2016</i>	36.51	63.49	7.94	0.00	0.00	0.00
Start of Calendar Year <i>12/29/2015</i>	49.91	50.09	3.83	0.00	0.00	0.00
Start of Water Year <i>9/27/2016</i>	36.51	63.49	7.94	0.00	0.00	0.00
One Year Ago <i>12/29/2015</i>	49.91	50.09	3.83	0.00	0.00	0.00

Intensity:

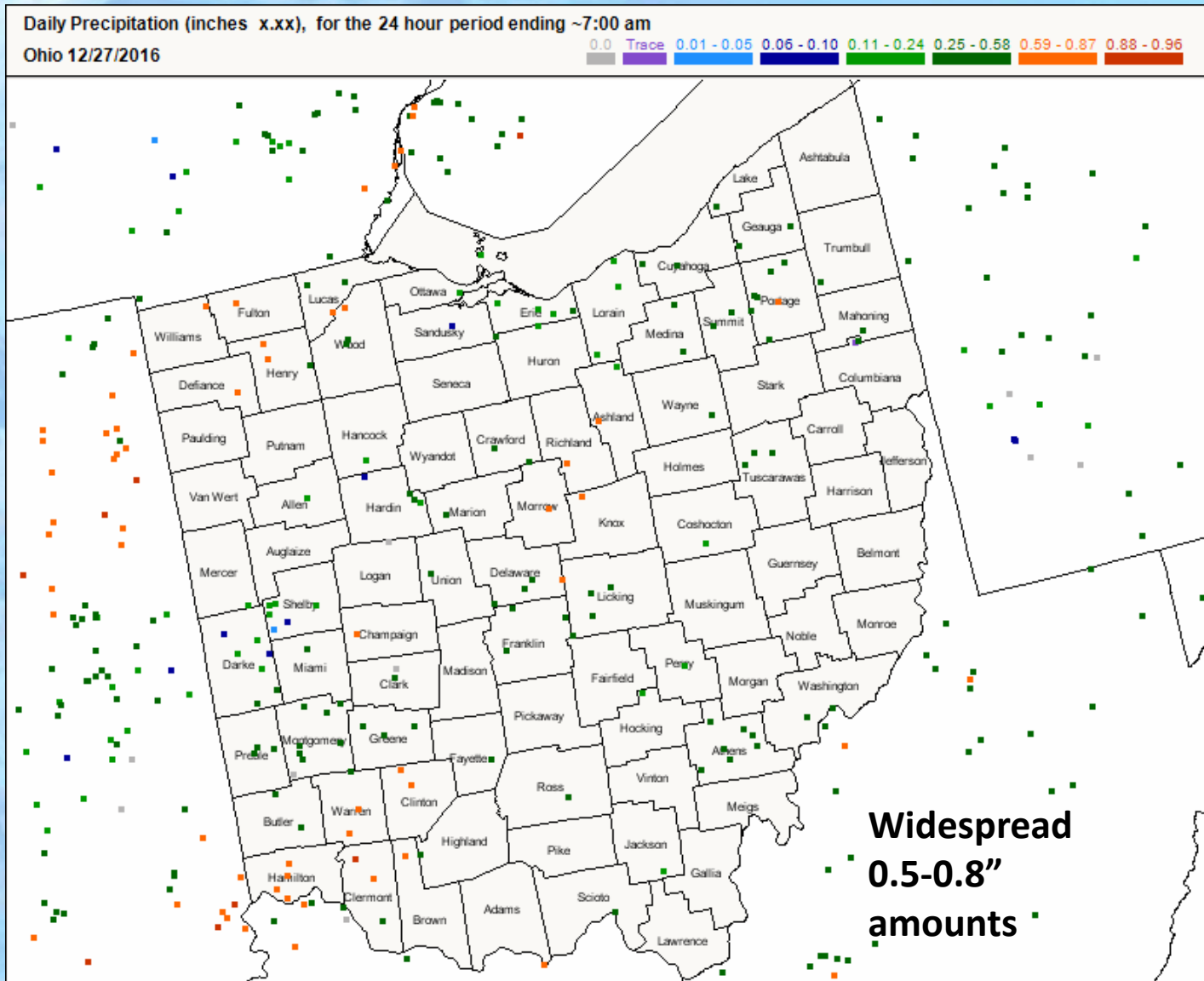
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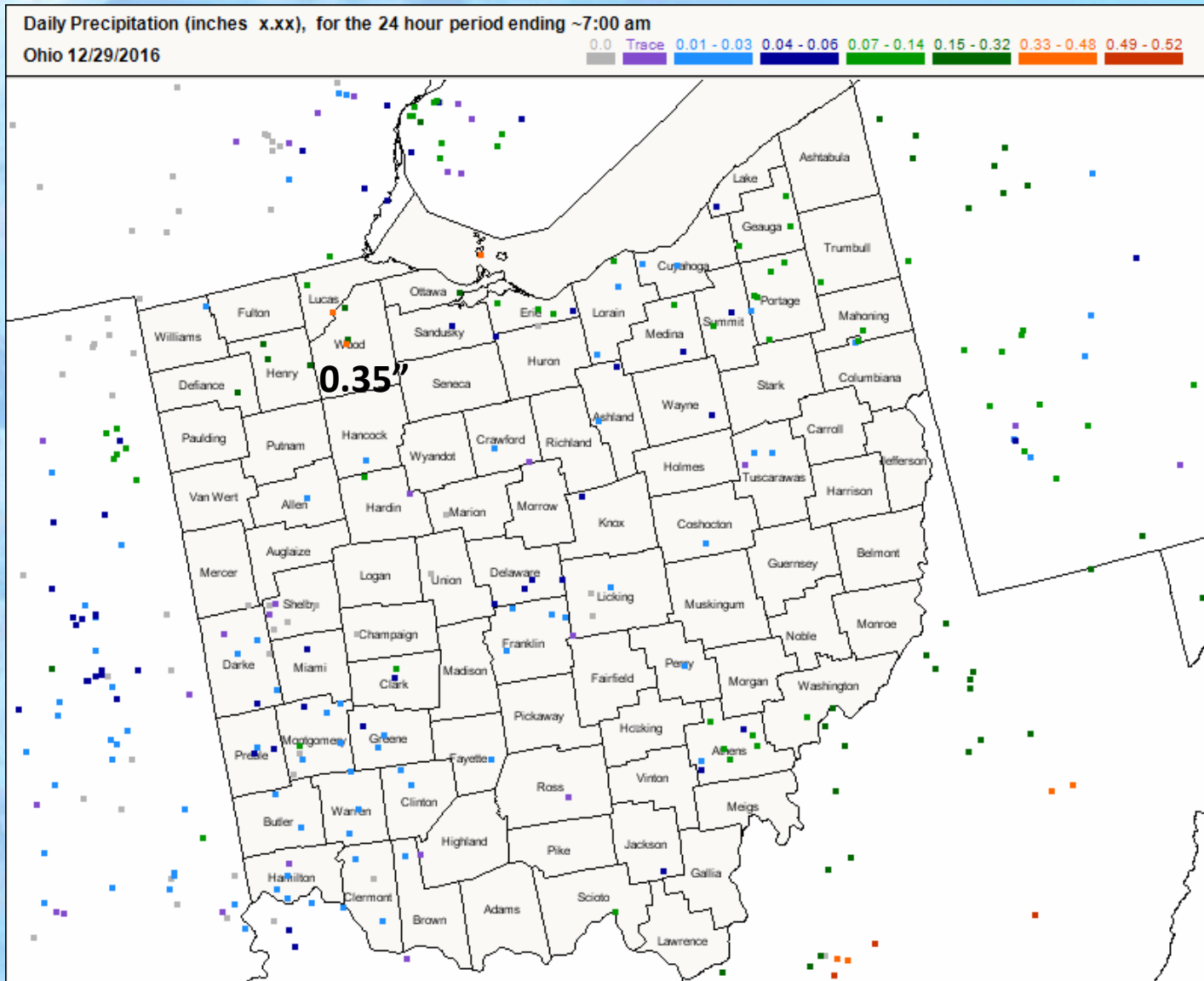
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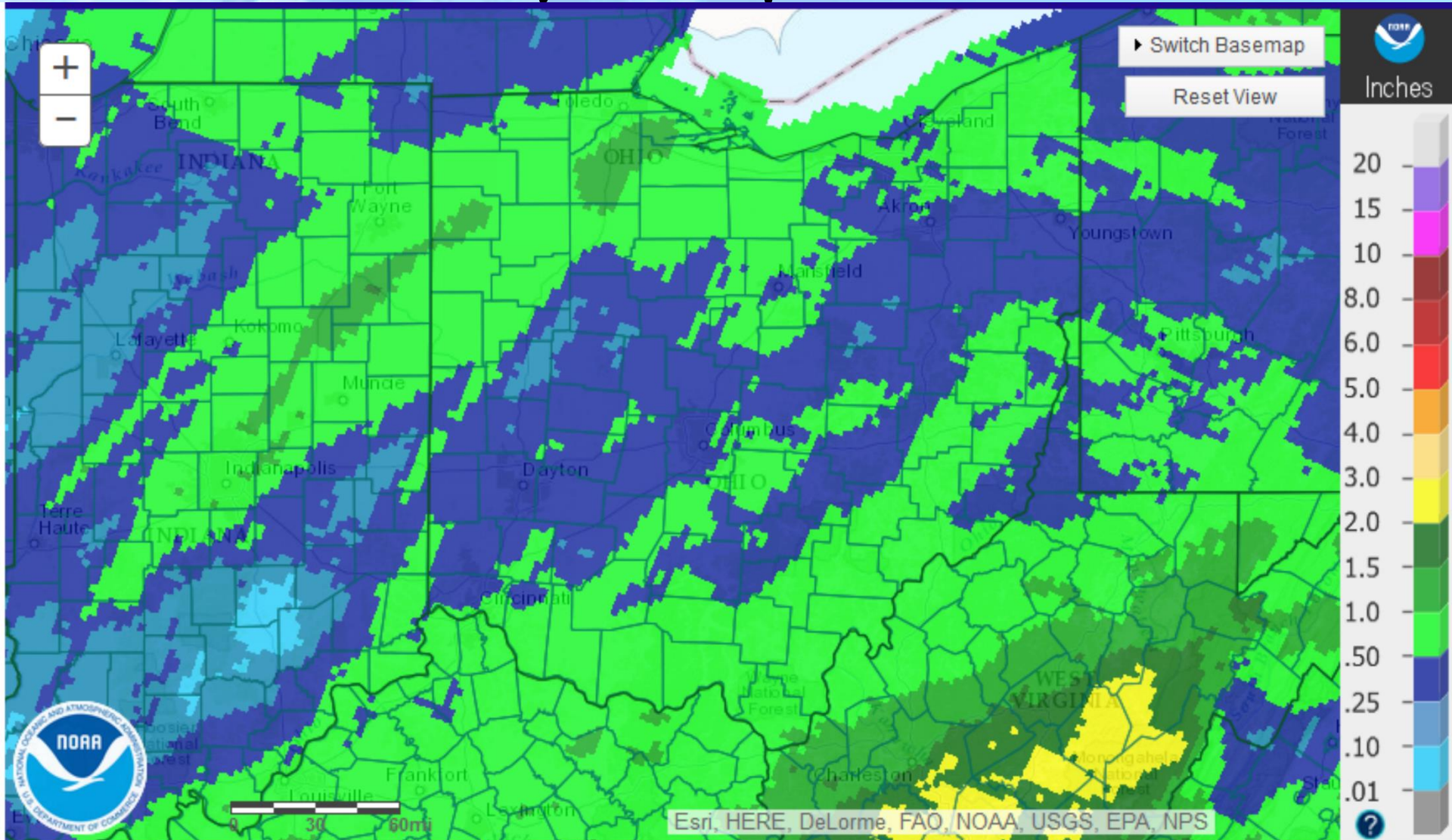
CoCoRaHS: 27 December



CoCoRaHS: 29 December



Previous 7-Day Precipitation Estimates

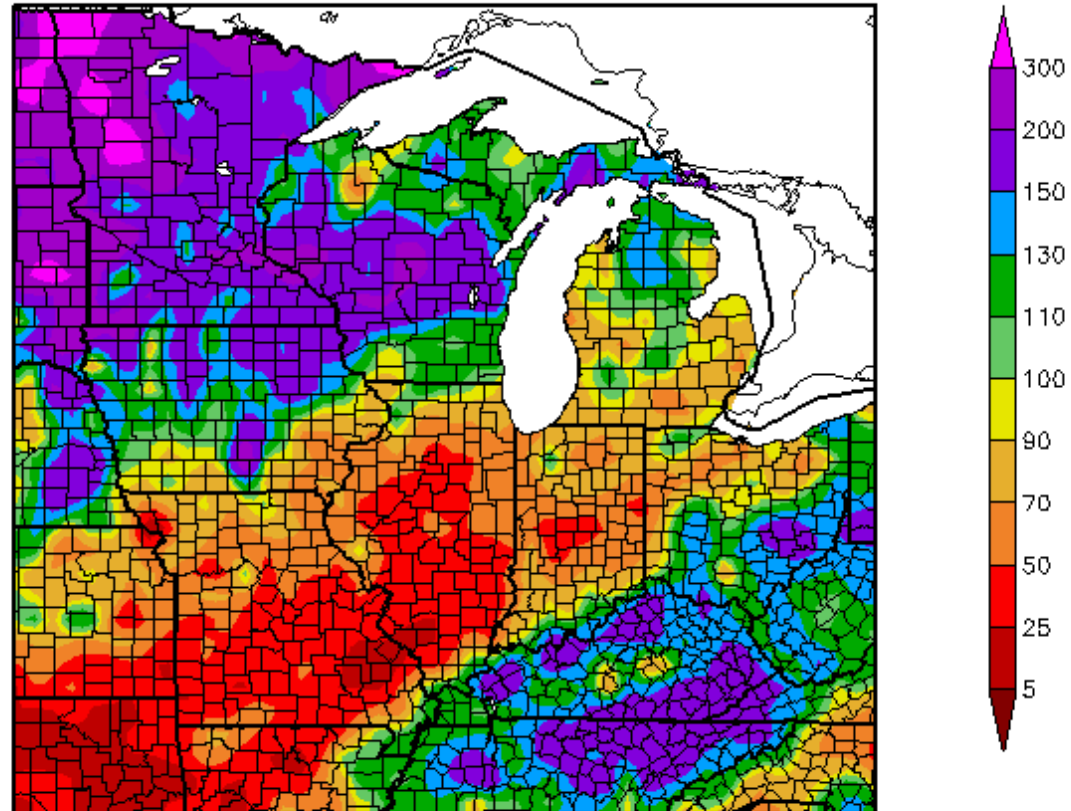


Total Observed



Previous 30-Days

Percent of Normal Precipitation (%)
12/4/2016 – 1/2/2017

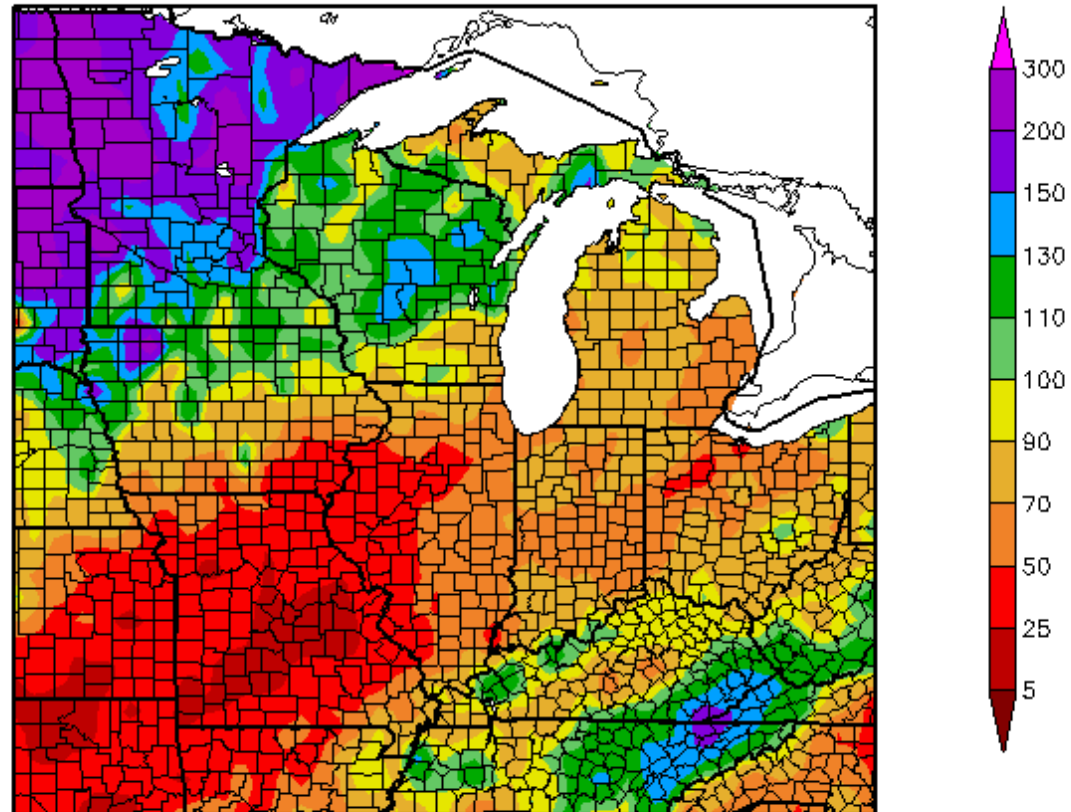


Generated 1/3/2017 at HPRCC using provisional data.

Regional Climate Centers

Previous 60-Days

Percent of Normal Precipitation (%)
11/4/2016 – 1/2/2017



Generated 1/3/2017 at HPRCC using provisional data.

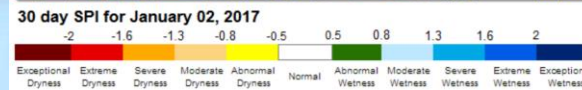
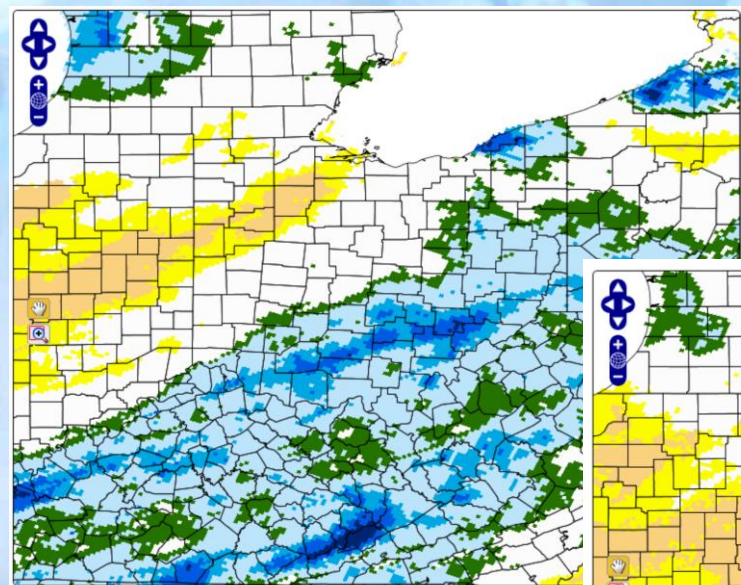
Regional Climate Centers

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.

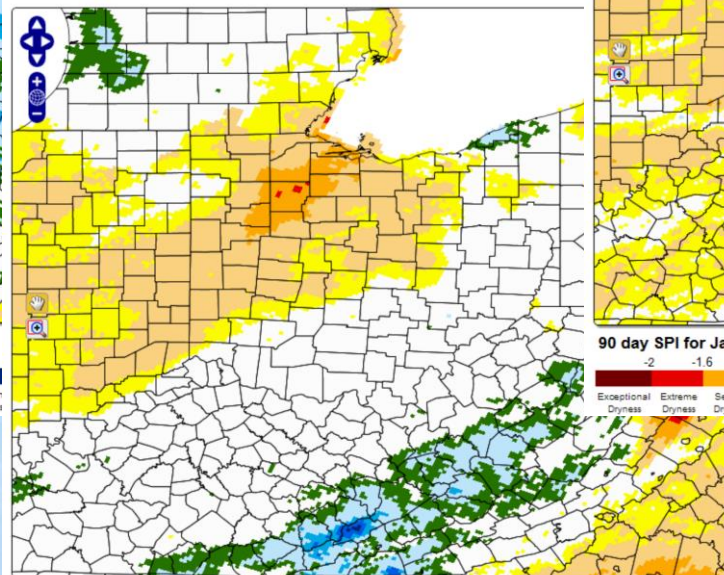
 **State Climate Office of North Carolina**
Email: sco@climate.ncsu.edu
Phone: 919-515-3056

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

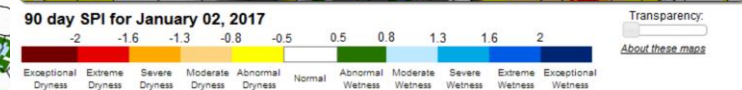
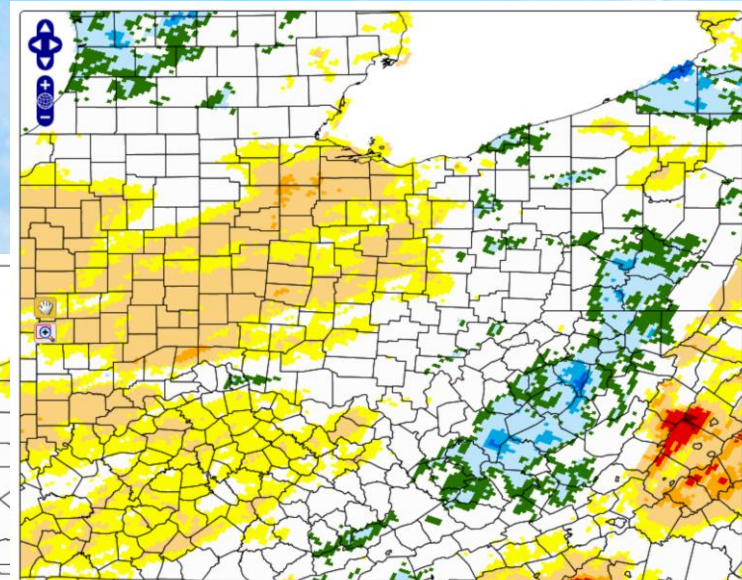
Experimental High Resolution Drought Trigger Tool



30-Day



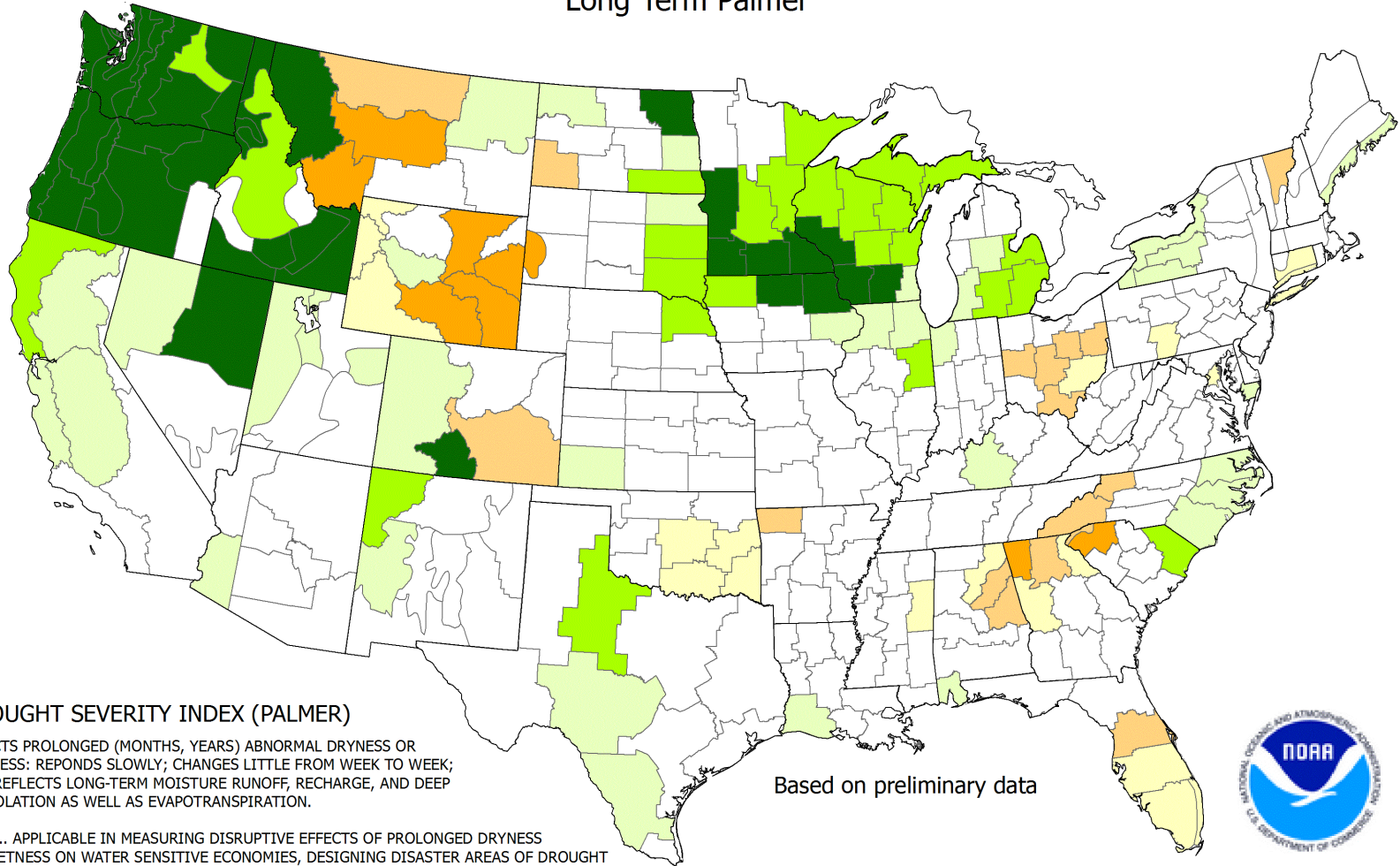
60-Day



90-Day

Drought Severity Index by Division
 Weekly Value for Period Ending Dec 31, 2016
 Long Term Palmer

PDSI



DROUGHT SEVERITY INDEX (PALMER)

DEPICTS PROLONGED (MONTHS, YEARS) ABNORMAL DRYNESS OR WETNESS; RESPONDS 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.

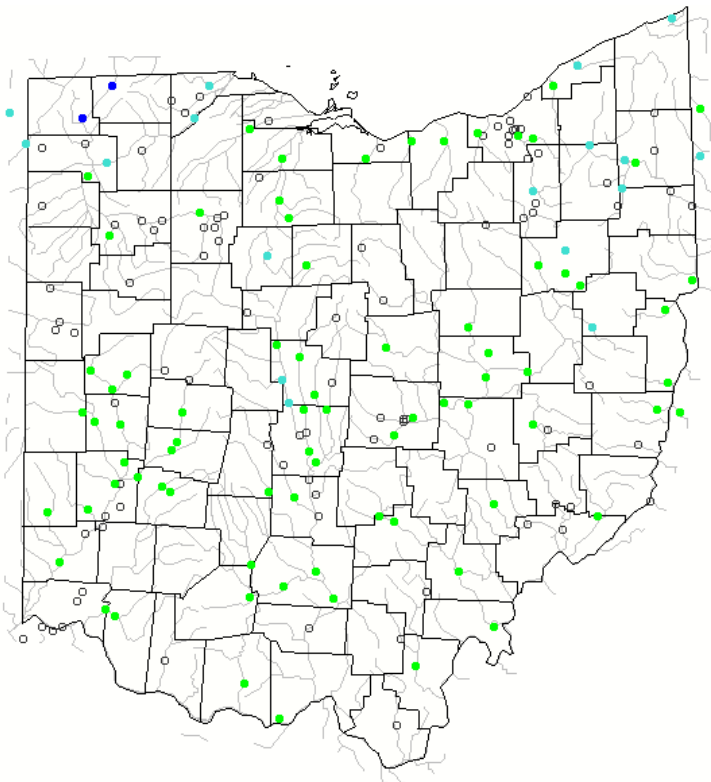
LIMITATIONS... IS NOT GENERALLY INDICATIVE OFFSHORT-TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).

Based on preliminary data



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

7-DAY



USGS

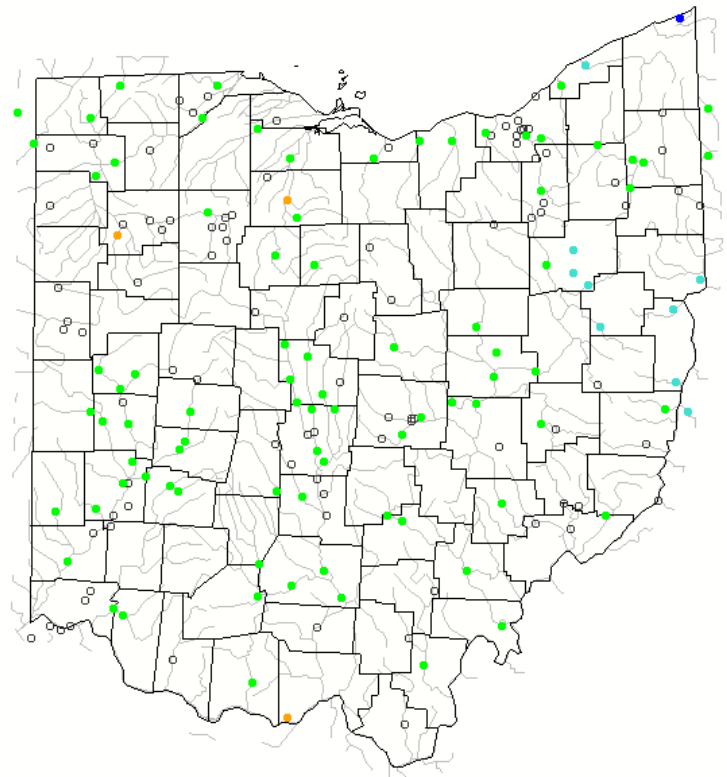
Explanation - Percentile classes

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

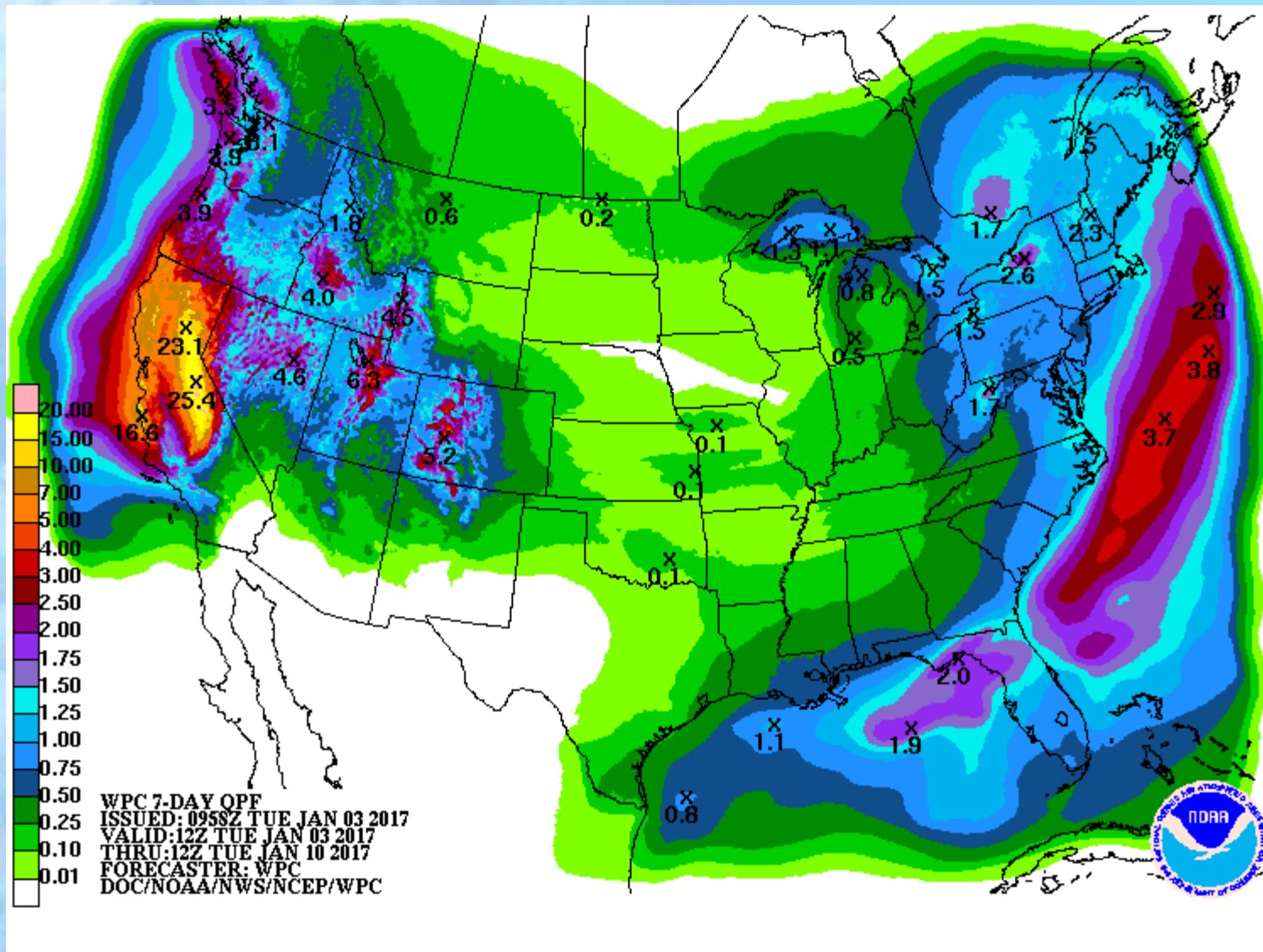
USGS Streamflow

28-DAY

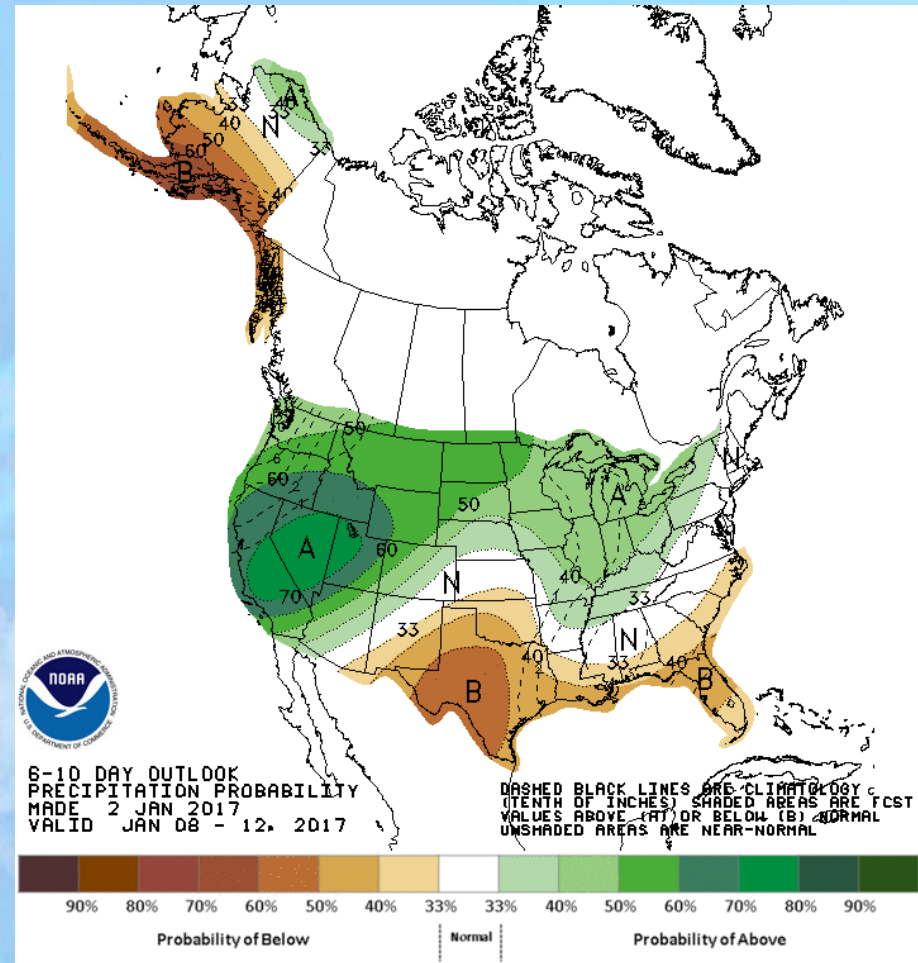
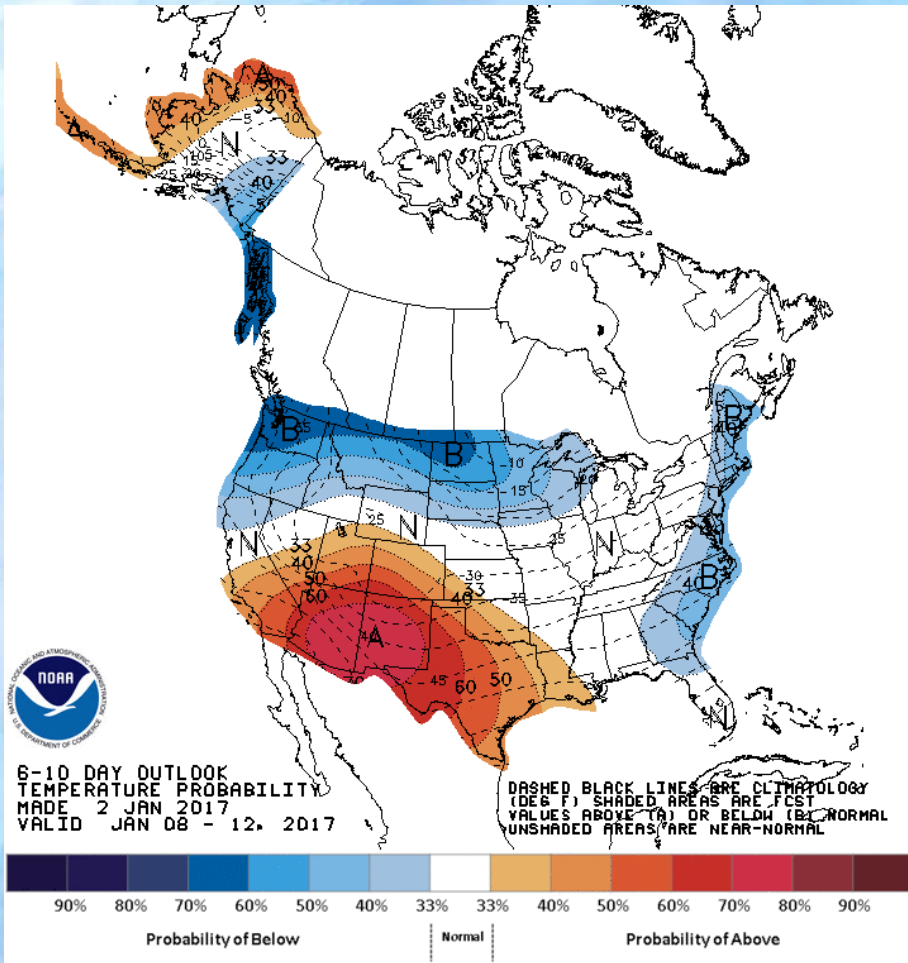


USGS

Weather for the Week Ahead



6-10 Day Outlook





SUMMARY OF CONDITIONS

- **Current**

- Drought Monitor: Removal of D0 across much of the central and southern part of the state in recent weeks
- 30-Day much improved; 30/60-Day dryness still evident across the western/northwestern sections of the state

- Remaining D0 near the Ohio River likely removed this week
- D0 across parts of the NW will remain